

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\  
 Data File : VN056751.D  
 Acq On : 16 Jul 2019 7:09  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 7/17/2019 1:31:52 AM

Quant Time: Jul 16 09:17:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:03:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 319030   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 513351   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 464101   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 218028   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 180441   | 51.13 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.26% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 160004   | 50.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.16% |          |
| 50) Toluene-d8              | 10.09 | 98   | 615283   | 49.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.74%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 212859   | 51.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.32% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 140038   | 46.747  | ug/l  | 99     |
| 3) Chloromethane              | 2.06 | 50   | 189262   | 46.992  | ug/l  | 99     |
| 4) Vinyl Chloride             | 2.18 | 62   | 190747   | 49.181  | ug/l  | 100    |
| 5) Bromomethane               | 2.56 | 94   | 113860   | 49.922  | ug/l  | 100    |
| 6) Chloroethane               | 2.70 | 64   | 109450   | 48.428  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 3.01 | 101  | 239553   | 48.136  | ug/l  | 98     |
| 8) Diethyl Ether              | 3.41 | 74   | 98609    | 50.822  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101  | 143903   | 48.129  | ug/l  | 100    |
| 10) Methyl Iodide             | 3.95 | 142  | 184836   | 46.218  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 4.78 | 59   | 136298   | 232.041 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96   | 148430   | 49.492  | ug/l  | 98     |
| 13) Acrolein                  | 3.61 | 56   | 49966    | 249.095 | ug/l  | 100    |
| 14) Allyl chloride            | 4.33 | 41   | 244284   | 47.100  | ug/l  | 100    |
| 15) Acrylonitrile             | 4.99 | 53   | 431668   | 254.478 | ug/l  | 99     |
| 16) Acetone                   | 3.82 | 43   | 331915   | 204.103 | ug/l  | 100    |
| 17) Carbon Disulfide          | 4.05 | 76   | 389856   | 49.192  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.33 | 43   | 186014   | 50.948  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 479983   | 50.230  | ug/l  | 98     |
| 20) Methylene Chloride        | 4.55 | 84   | 176356   | 49.625  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96   | 163018   | 51.422  | ug/l  | 98     |
| 22) Diisopropyl ether         | 5.95 | 45   | 529322   | 51.705  | ug/l  | 98     |
| 23) Vinyl Acetate             | 5.90 | 43   | 2135793  | 257.453 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 299965   | 50.538  | ug/l  | 99     |
| 25) 2-Butanone                | 6.84 | 43   | 562004   | 236.381 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 133108   | 31.102  | ug/l  | 96     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 187002   | 51.264  | ug/l  | 96     |
| 28) Bromochloromethane        | 7.19 | 49   | 142948   | 51.223  | ug/l  | 100    |
| 29) Tetrahydrofuran           | 7.21 | 42   | 390532   | 251.843 | ug/l  | 98     |
| 30) Chloroform                | 7.37 | 83   | 291534   | 49.084  | ug/l  | 99     |
| 31) Cyclohexane               | 7.65 | 56   | 277831   | 49.249  | ug/l  | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 244295   | 52.008  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.80 | 75   | 224237   | 47.204  | ug/l  | 100    |
| 37) Ethyl Acetate             | 6.93 | 43   | 227440   | 48.578  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 7.78 | 117  | 211706   | 47.522  | ug/l  | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 7/17/2019 1:31:52 AM

Quant Time: Jul 16 09:17:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:03:34 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 270145   | 46.056  | ug/l   | 100      |
| 40) Benzene                    | 8.04  | 78   | 692700   | 47.591  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 96541m   | 46.943  | ug/l   |          |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 218782   | 47.560  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 377735   | 51.320  | ug/l   | 98       |
| 44) Trichloroethene            | 8.84  | 130  | 189621   | 47.974  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 187643   | 48.517  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 117622   | 49.076  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 225725   | 49.561  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 181567   | 51.008  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 58501    | 800.958 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1153102  | 241.882 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 428188   | 49.535  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 223514   | 47.038  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 260439   | 47.232  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 171215   | 47.224  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 267935   | 51.361  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 290329   | 49.029  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 627686   | 250.214 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 829096   | 242.380 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 181668   | 50.949  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 182979   | 50.783  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 191164   | 47.744  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 456318   | 48.086  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 171077   | 48.963  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 809728   | 48.553  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 605767   | 97.192  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 291513   | 47.575  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 504838   | 50.961  | ug/l   | 100      |
| 71) Bromoform                  | 12.12 | 173  | 136058   | 51.179  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 771696   | 43.897  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 296041   | 45.217  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 248172   | 48.700  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 215078m  | 45.103  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 212909   | 46.303  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.59 | 91   | 866791   | 44.413  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 522466   | 48.391  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 651922   | 43.754  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 64085    | 41.504  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 519258   | 45.337  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 558065   | 47.990  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 654156   | 44.941  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 740080   | 44.701  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 667500   | 44.505  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 345986   | 45.913  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 338507   | 46.181  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 560760   | 46.416  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 108916   | 44.907  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 347338   | 45.067  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 44549    | 47.258  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

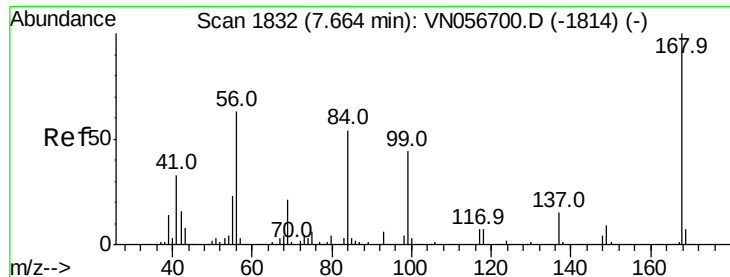
MMDadoda  
7/17/2019 1:31:52 AM

Quant Time: Jul 16 09:17:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 16 07:03:34 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 189560   | 44.925 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 110326   | 45.445 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 509669   | 44.207 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 188709   | 44.996 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 319030

Ion Ratio Lower Upper

168 100

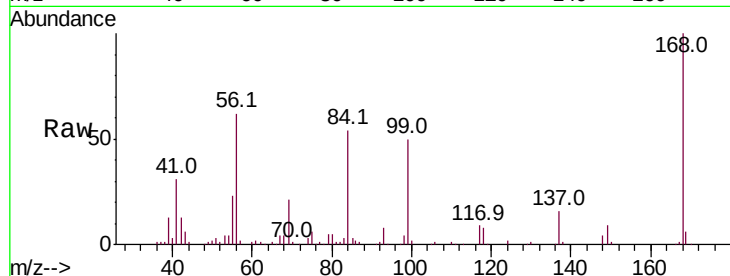
99 49.6 39.4 59.2

Manual Integrations

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7/17/2019 1:31:52 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

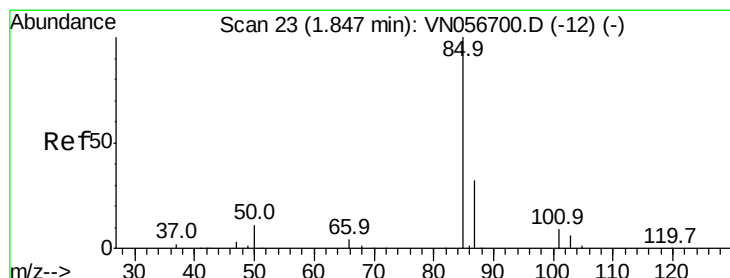
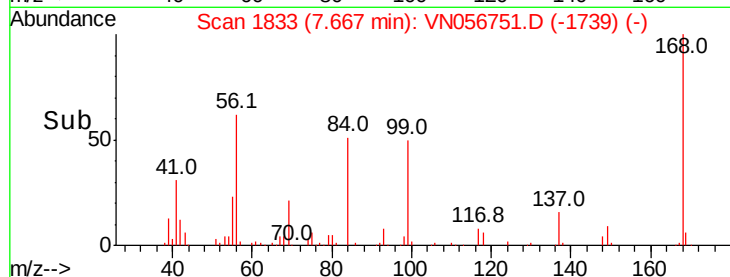
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.747 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056751.D

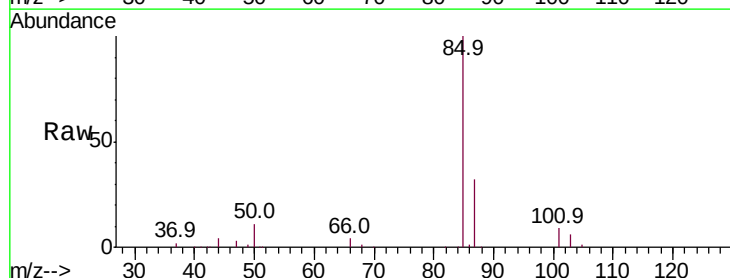
Acq: 16 Jul 2019 7:09

Tgt Ion: 85 Resp: 140038

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

40000

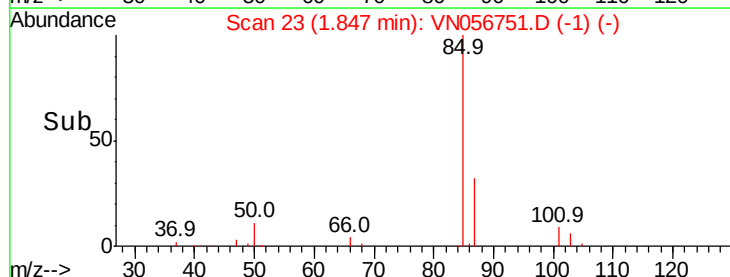
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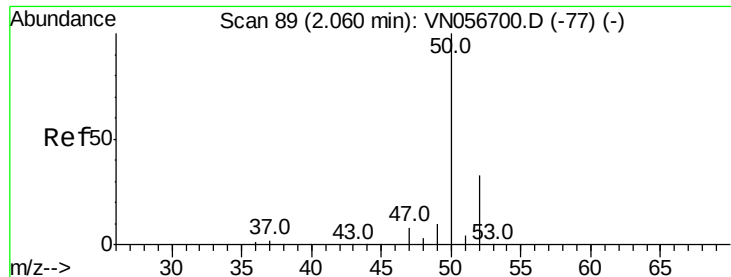
0

1.85

1.80 1.90

Time-->





#3

Chloromethane

Concen: 46.992 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 189262

Ion Ratio Lower Upper

50 100

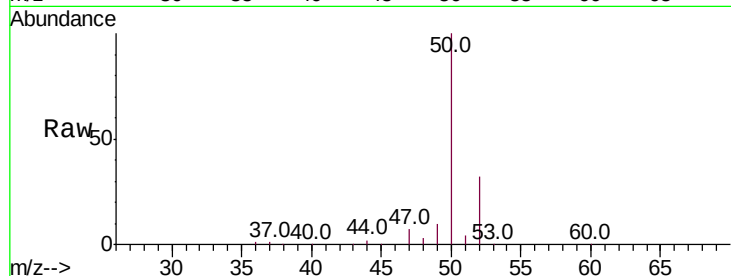
52 32.3 26.5 39.7

Manual Integrations

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MMDadoda

7/17/2019 1:31:52 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

150000

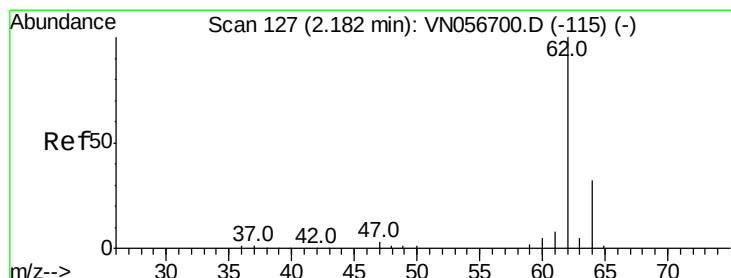
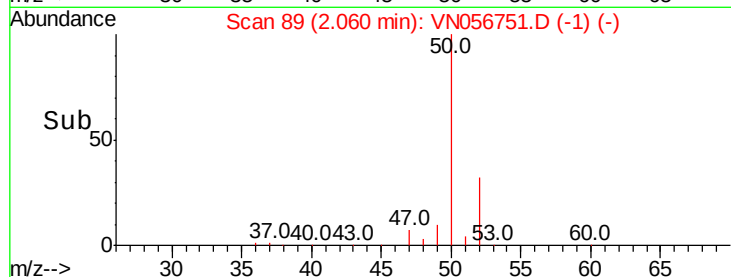
2.06

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.181 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056751.D

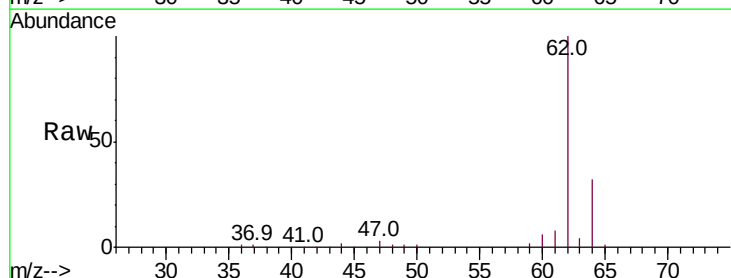
Acq: 16 Jul 2019 7:09

Tgt Ion: 62 Resp: 190747

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

150000

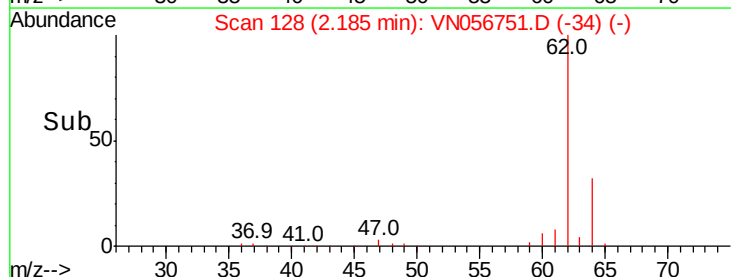
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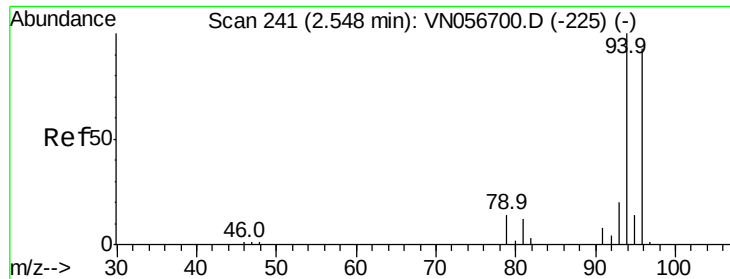
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.922 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 113860

Ion Ratio Lower Upper

94 100

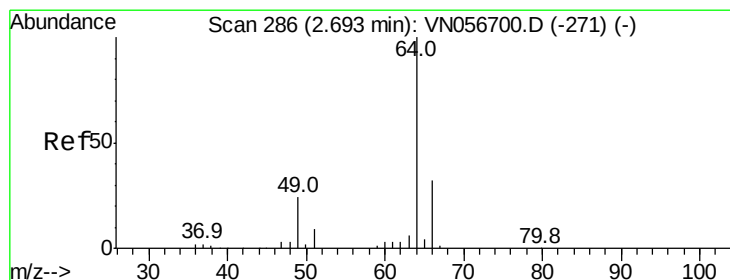
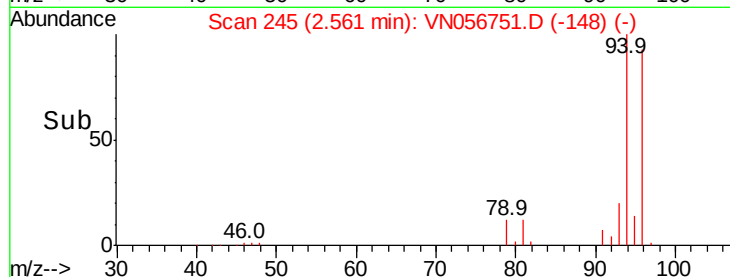
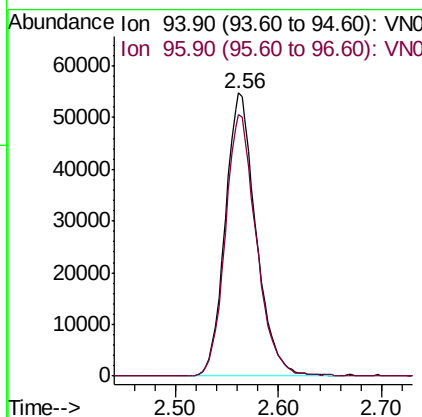
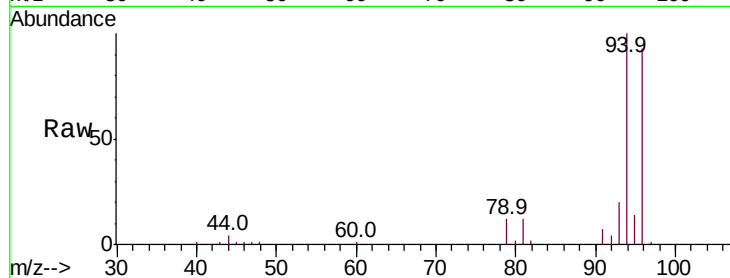
96 92.6 74.0 111.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 1:31:52 AM



#6

Chloroethane

Concen: 48.428 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056751.D

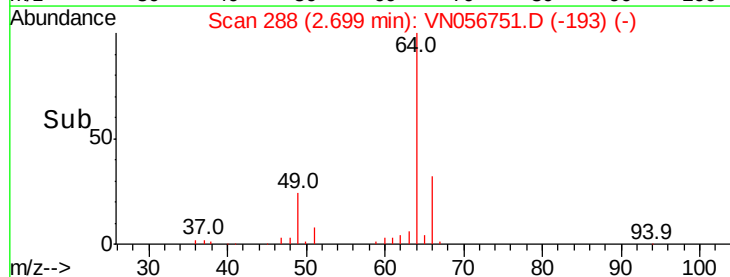
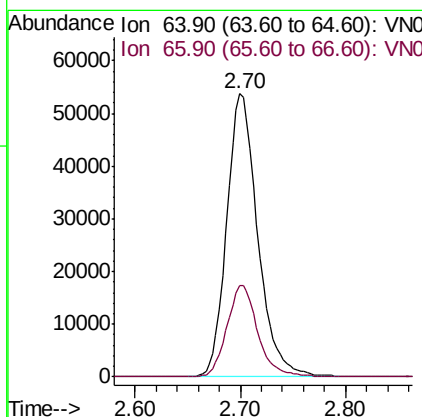
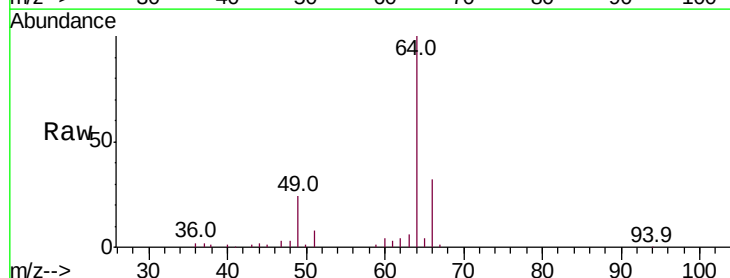
Acq: 16 Jul 2019 7:09

Tgt Ion: 64 Resp: 109450

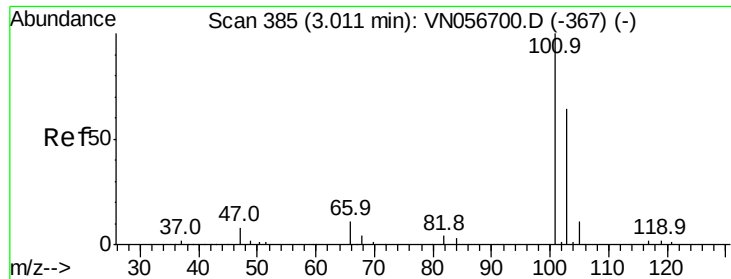
Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8







#7

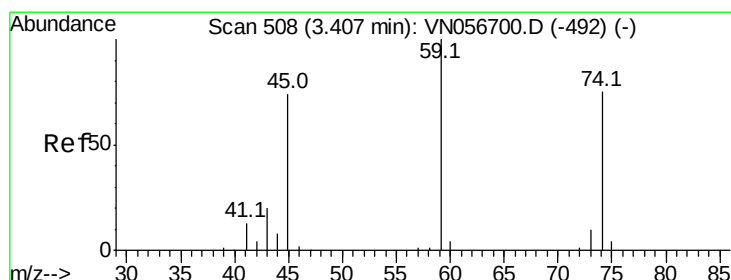
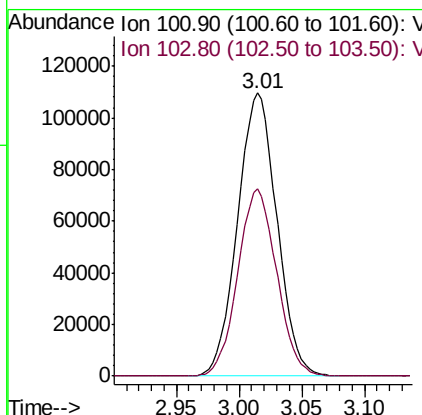
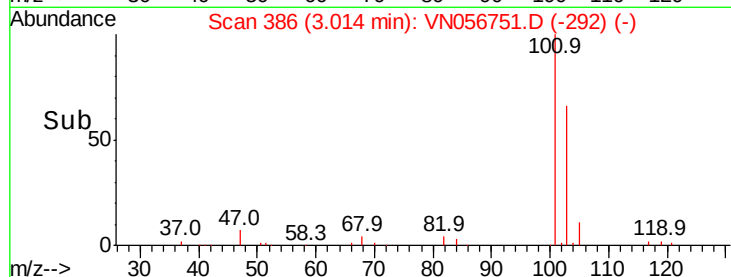
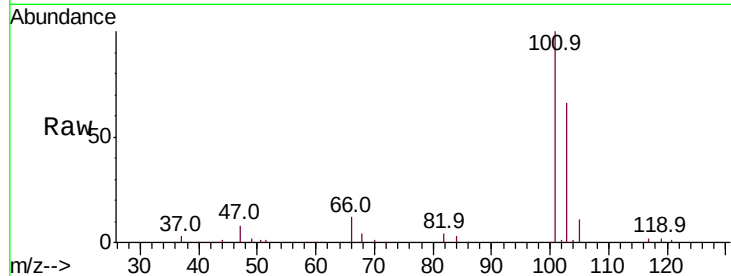
Trichlorofluoromethane  
Concen: 48.136 ug/l  
RT: 3.01 min Scan# 386  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.2  | 51.5  | 77.3  |

Manual Integrations  
APPROVED

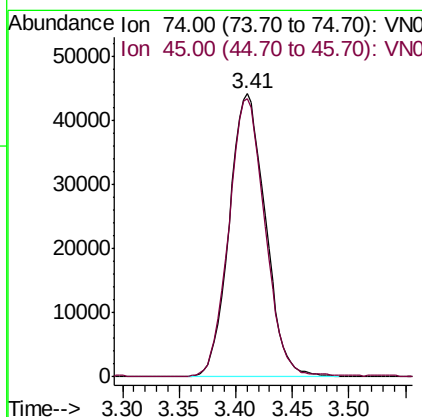
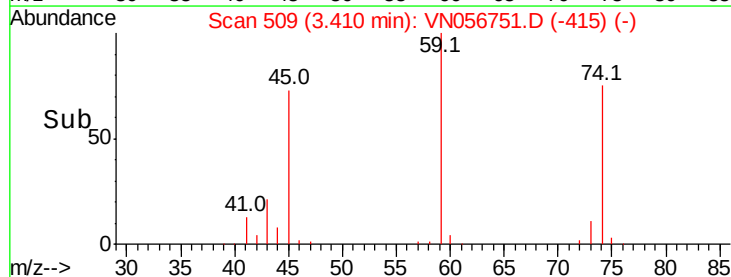
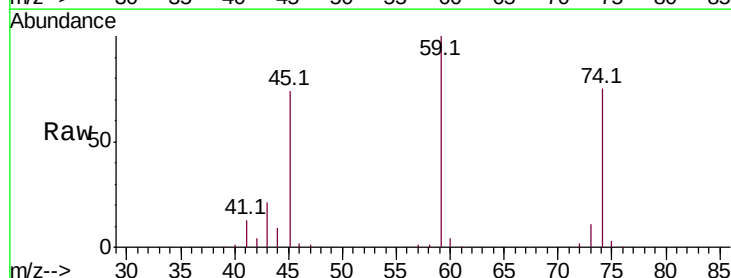
MMDadoda  
7/17/2019 1:31:52 AM



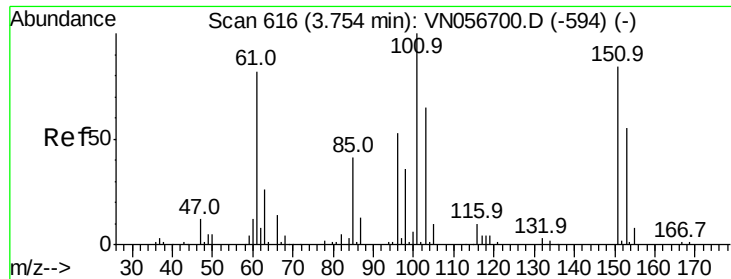
#8

Diethyl Ether  
Concen: 50.822 ug/l  
RT: 3.41 min Scan# 509  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 98.8  | 49.4  | 148.2 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.129 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

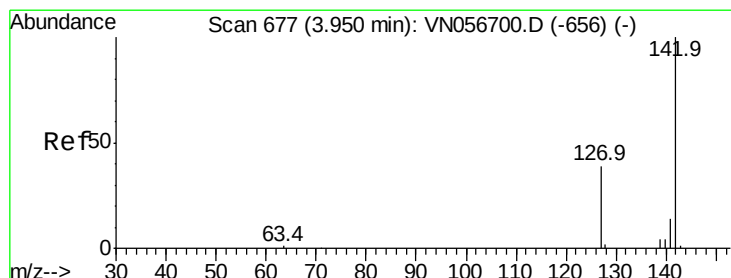
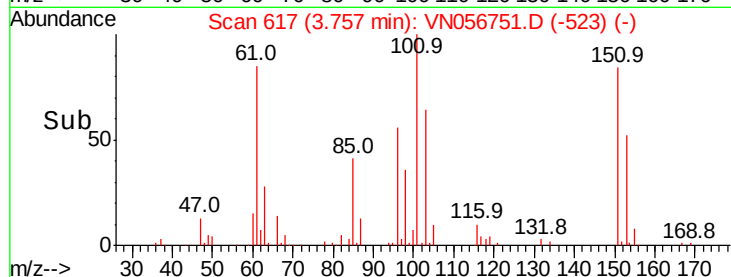
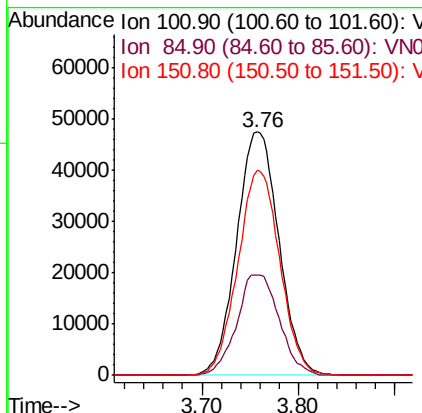
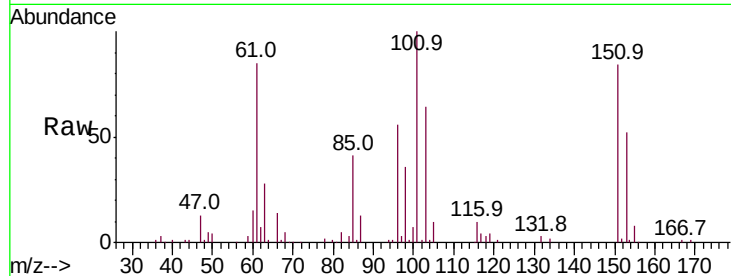
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 143903 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.5  | 33.3  | 49.9   |
| 151       | 83.7  | 67.0  | 100.6  |

Manual Integrations  
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#10

Methyl Iodide

Concen: 46.218 ug/l

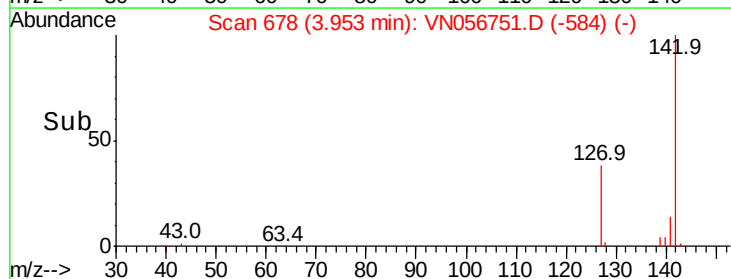
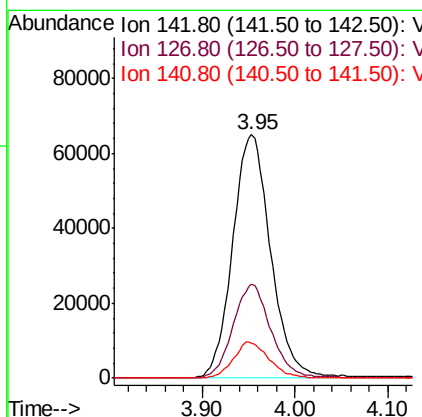
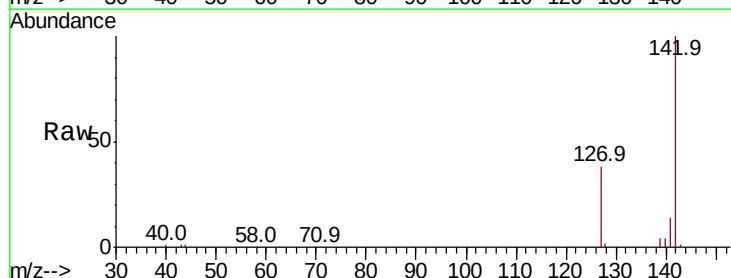
RT: 3.95 min Scan# 678

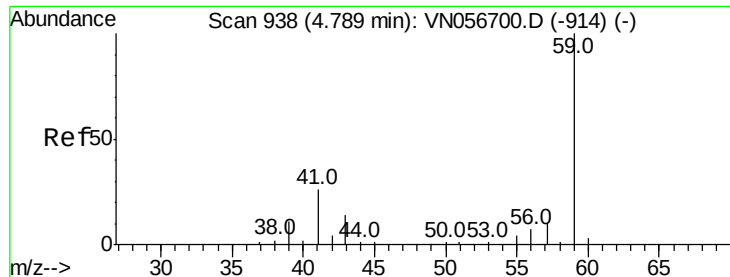
Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 184836 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.3  | 30.7  | 46.1   |
| 141       | 14.0  | 11.3  | 16.9   |





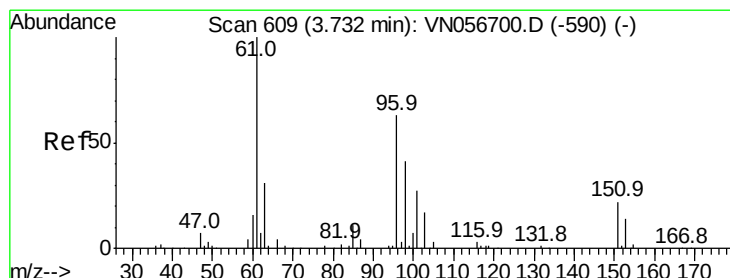
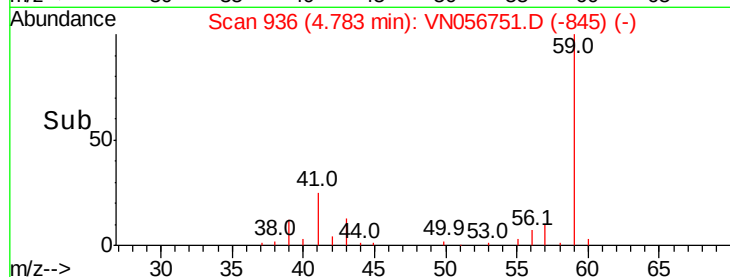
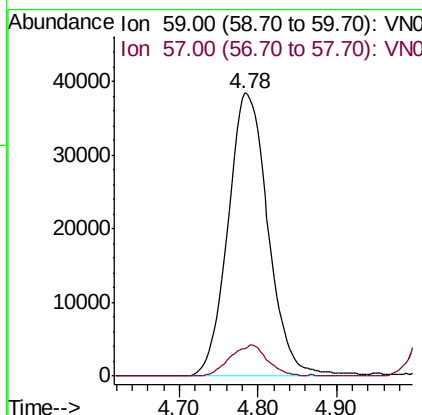
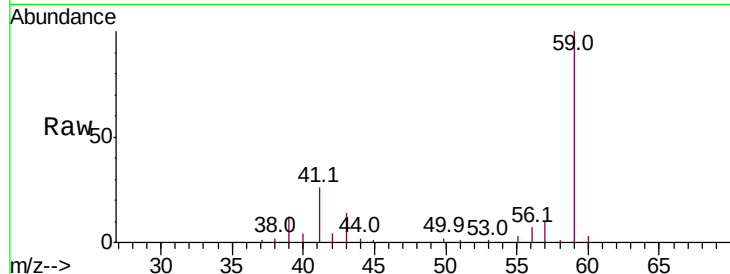
#11  
Tert butyl alcohol  
Concen: 232.041 ug/l  
RT: 4.78 min Scan# 936  
Delta R.T. -0.01 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.3  | 8.0   | 12.0  |

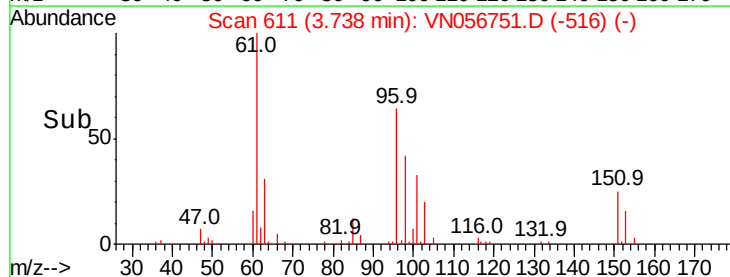
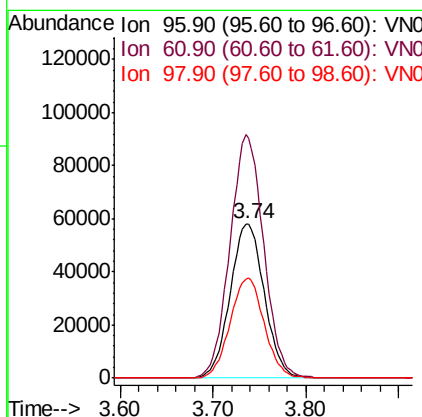
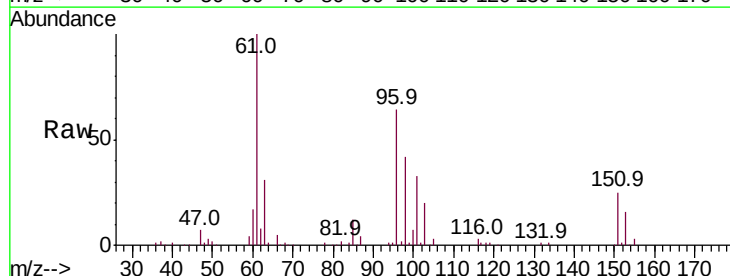
Manual Integrations  
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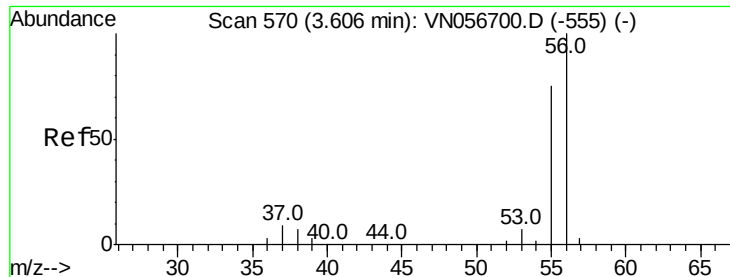
MMDadoda  
7/17/2019 1:31:52 AM



#12  
1,1-Dichloroethene  
Concen: 49.492 ug/l  
RT: 3.74 min Scan# 611  
Delta R.T. 0.01 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.9 | 126.6 | 189.8 |
| 98      | 65.4  | 51.4  | 77.2  |





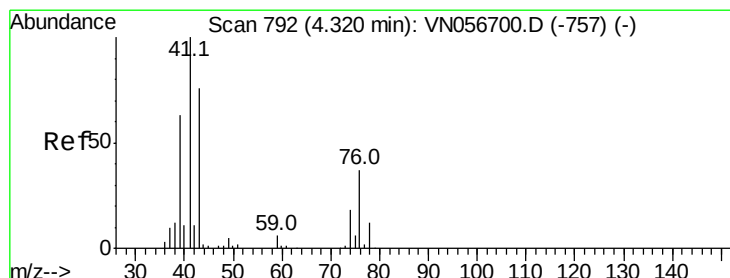
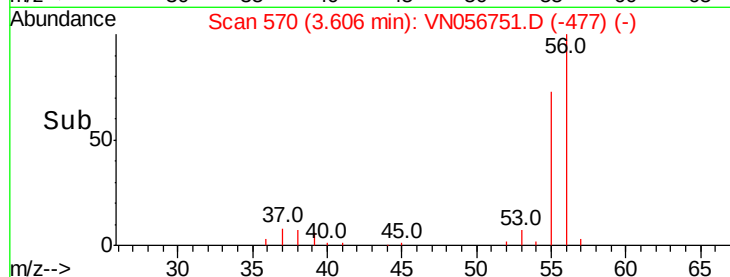
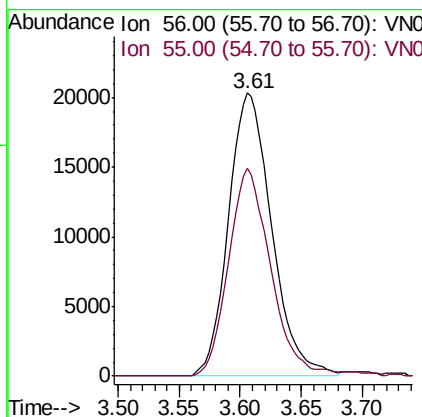
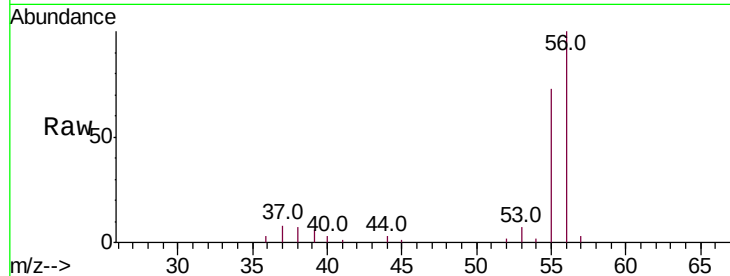
#13  
Acrolein  
Concen: 249.095 ug/l  
RT: 3.61 min Scan# 570  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 56   | Resp  | 49966 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 55        | 72.6 | 58.0  | 87.0  |

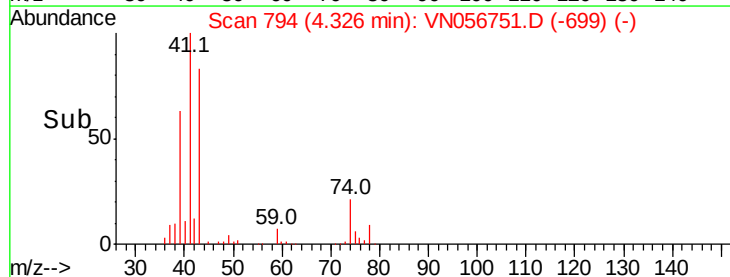
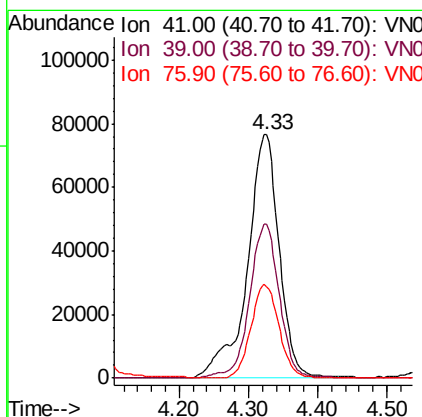
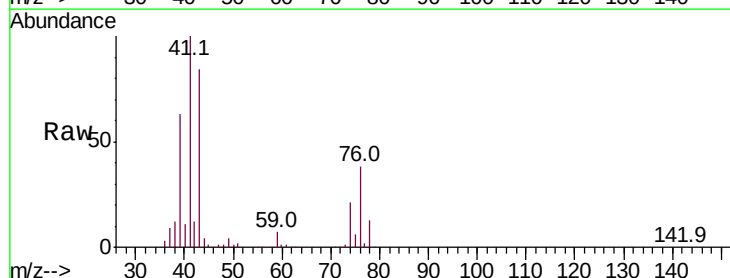
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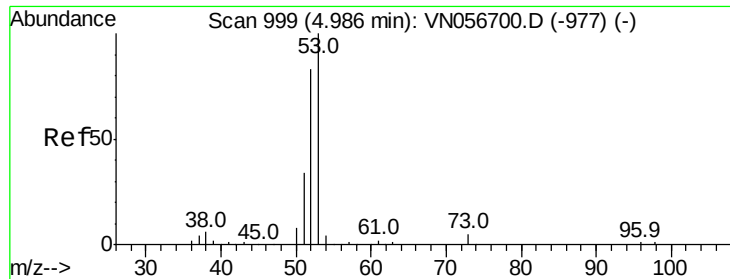
MMDadoda  
7/17/2019 1:31:52 AM



#14  
Allyl chloride  
Concen: 47.100 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.01 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion   | 41   | Resp  | 244284 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 39        | 58.9 | 46.9  | 70.3   |
| 76        | 33.1 | 26.5  | 39.7   |





#15

Acrylonitrile

Concen: 254.478 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

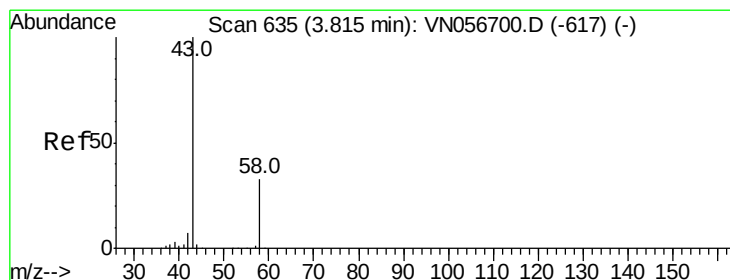
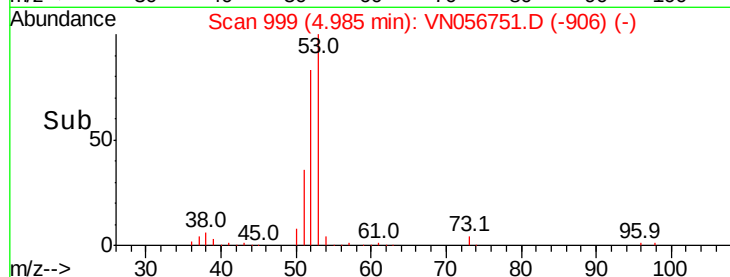
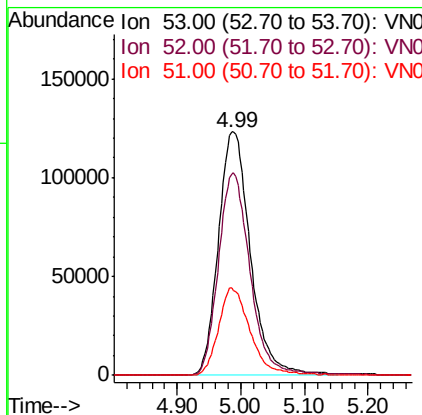
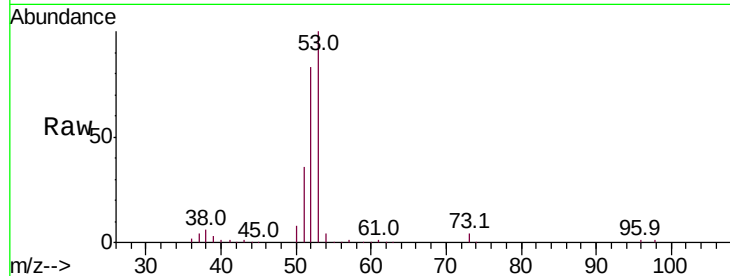
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 431668 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 81.6  | 66.6  | 99.8   |
| 51        | 35.5  | 28.4  | 42.6   |

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#16

Acetone

Concen: 204.103 ug/l

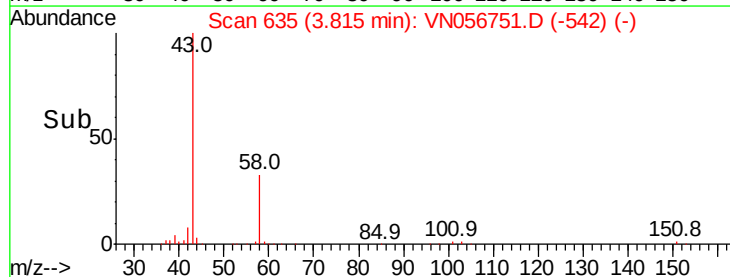
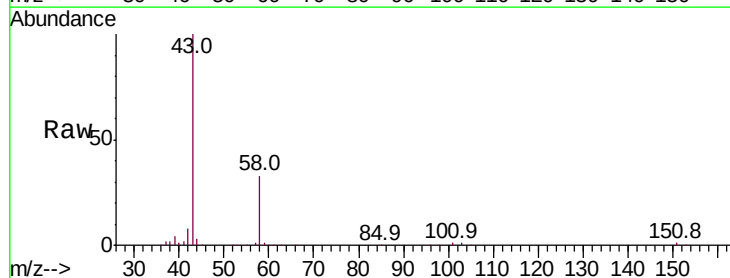
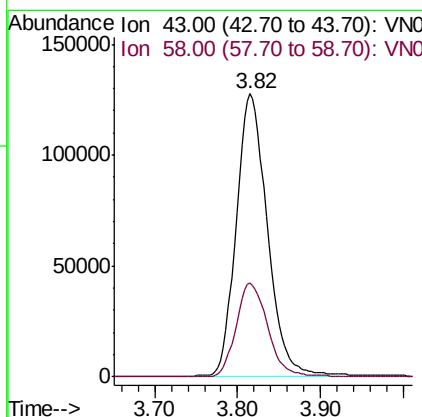
RT: 3.82 min Scan# 635

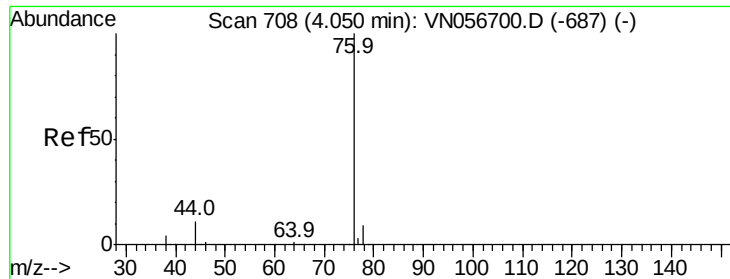
Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 331915 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 33.3  | 26.7  | 40.1   |





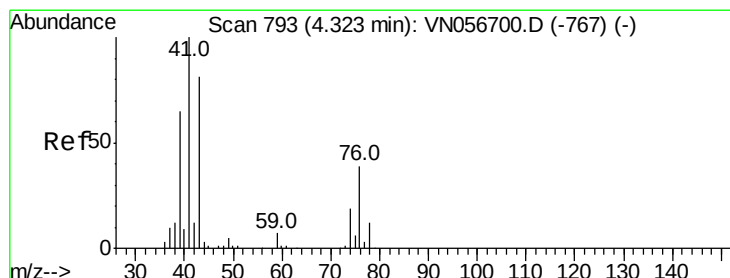
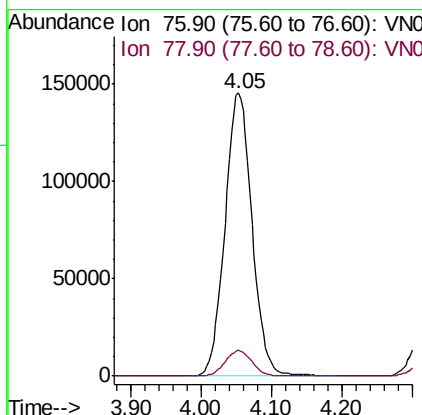
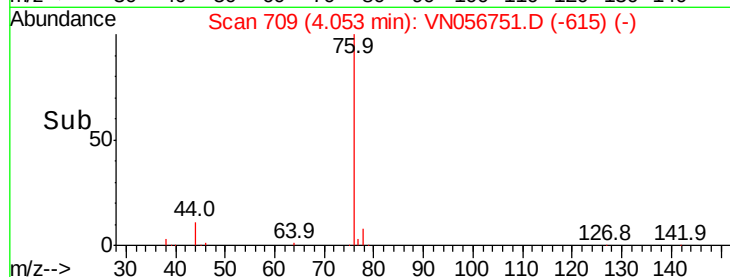
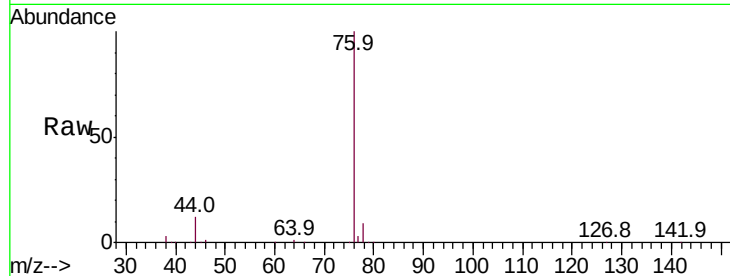
#17  
Carbon Disulfide  
Concen: 49.192 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.1   | 7.4   | 11.0  |

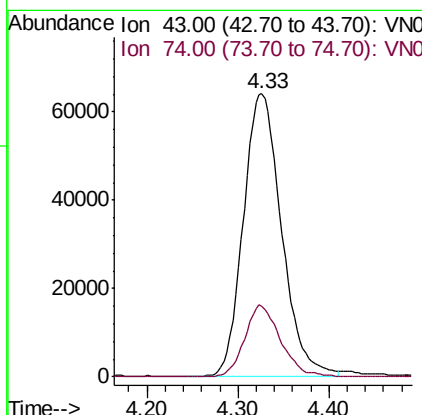
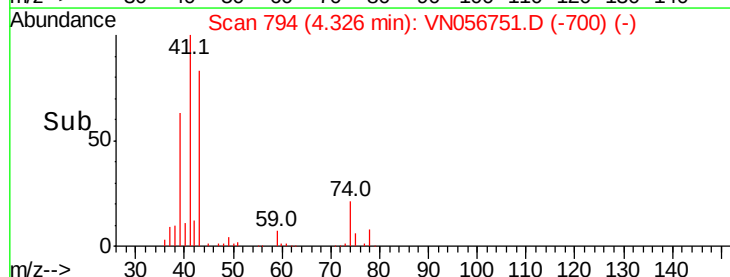
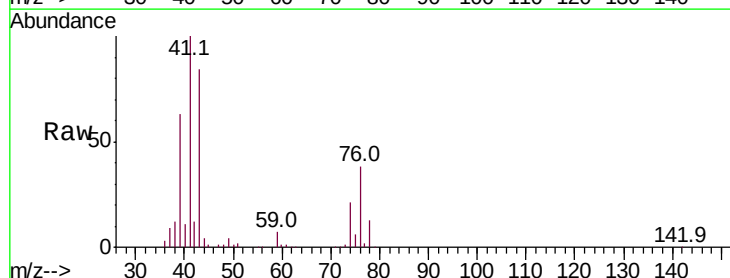
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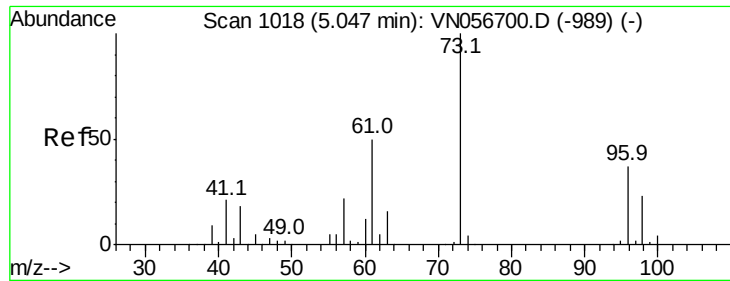
MMDadoda  
7/17/2019 1:31:52 AM



#18  
Methyl Acetate  
Concen: 50.948 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.1  | 18.9  | 28.3  |





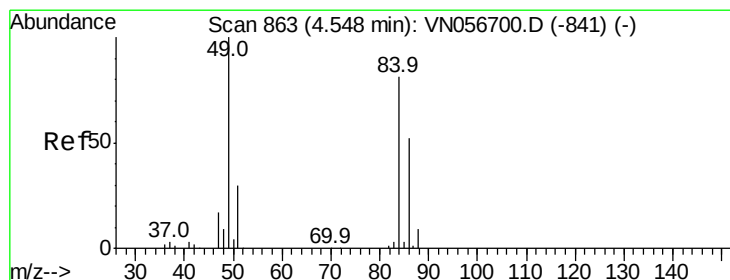
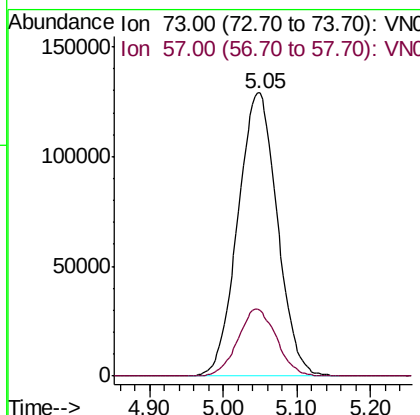
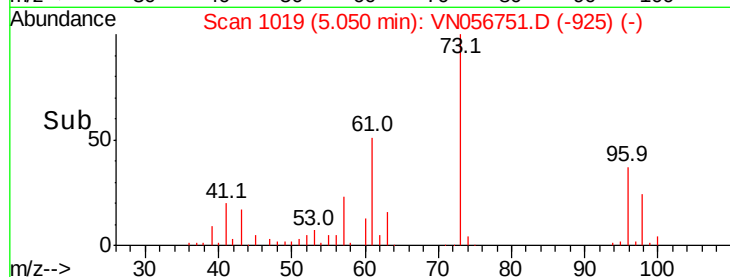
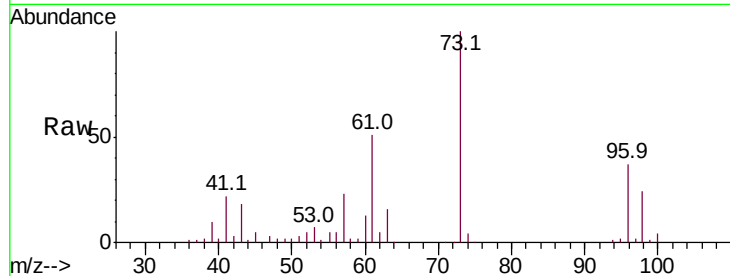
#19  
Methyl tert-butyl Ether  
Concen: 50.230 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 479983  
Ion Ratio Lower Upper  
73 100  
57 23.4 17.9 26.9

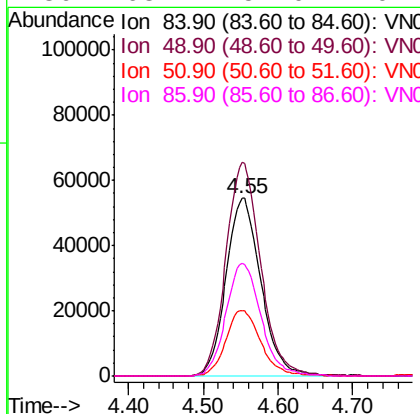
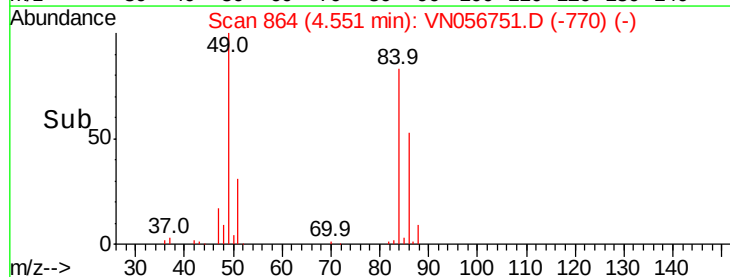
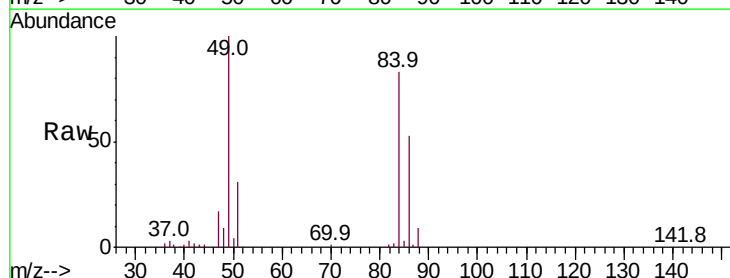
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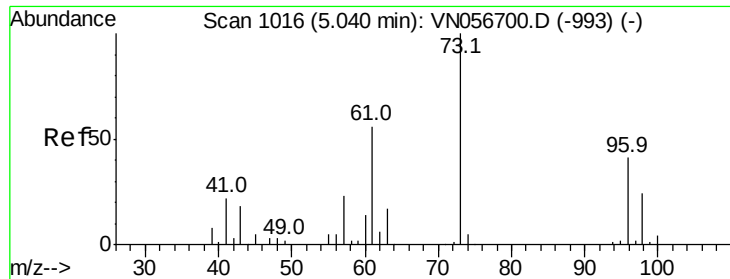
MMDadoda  
7/17/2019 1:31:52 AM



#20  
Methylene Chloride  
Concen: 49.625 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Tgt Ion: 84 Resp: 176356  
Ion Ratio Lower Upper  
84 100  
49 120.4 98.2 147.4  
51 37.1 29.6 44.4  
86 63.4 51.0 76.4





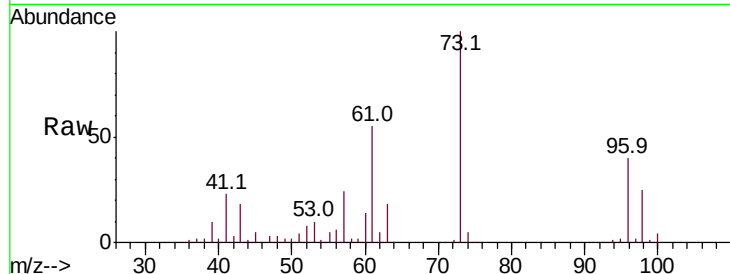
#21  
trans-1,2-Dichloroethene  
Concen: 51.422 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 138.0 | 109.4 | 164.2 |
| 98      | 63.3  | 48.0  | 72.0  |

Manual Integrations  
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7/17/2019 1:31:52 AM

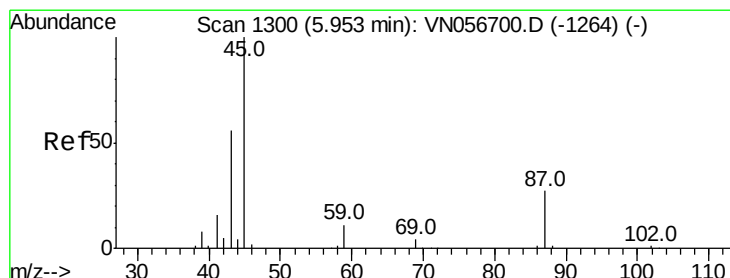
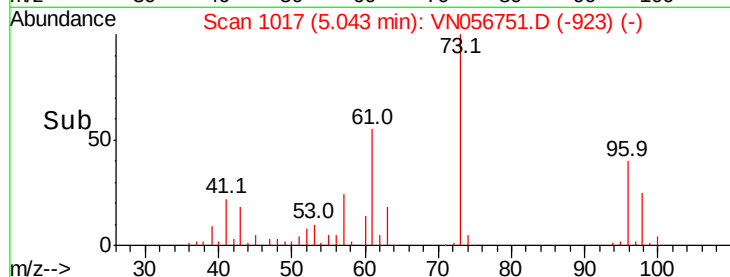
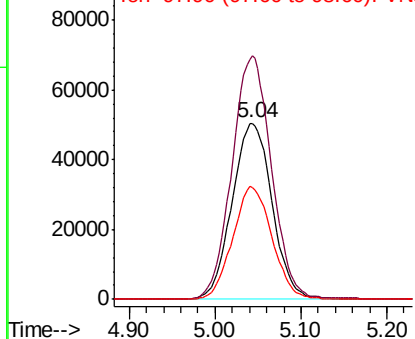


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22  
Diisopropyl ether  
Concen: 51.705 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 59.8  | 45.6  | 68.4  |
| 87      | 27.8  | 22.0  | 33.0  |
| 59      | 11.7  | 9.3   | 13.9  |

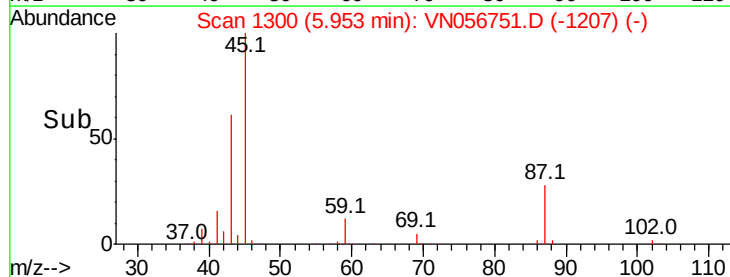
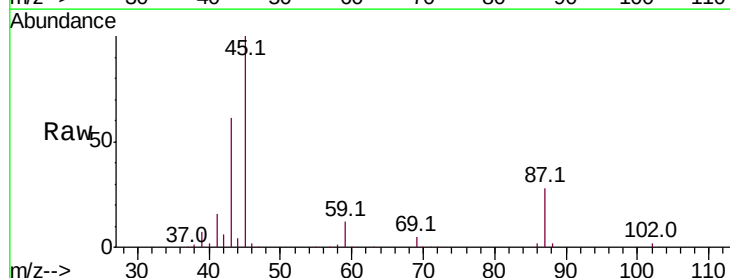
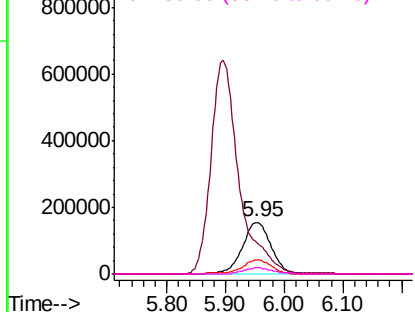
Abundance

Ion 45.00 (44.70 to 45.70): VN0

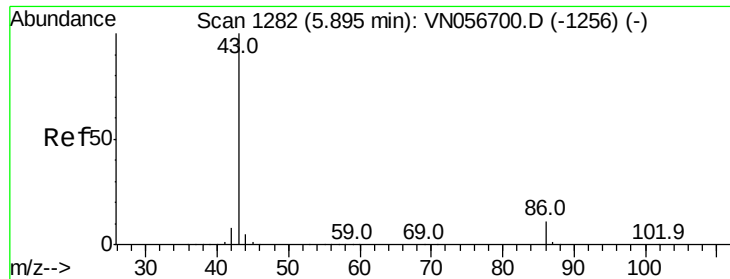
Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0







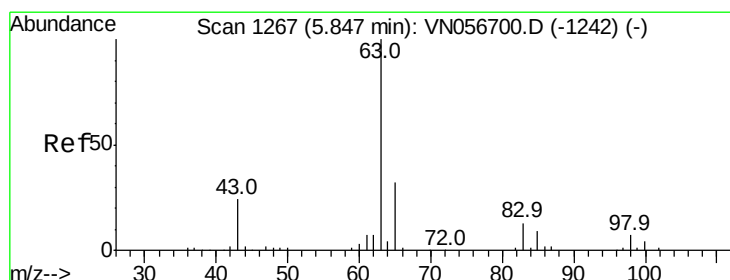
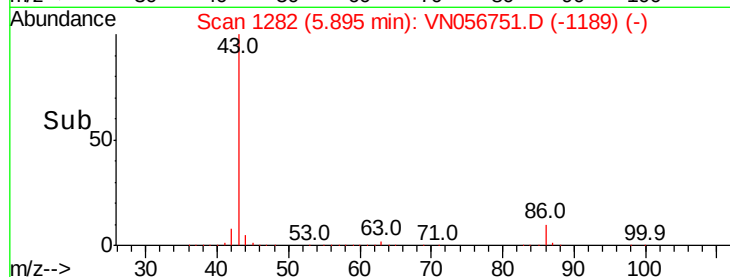
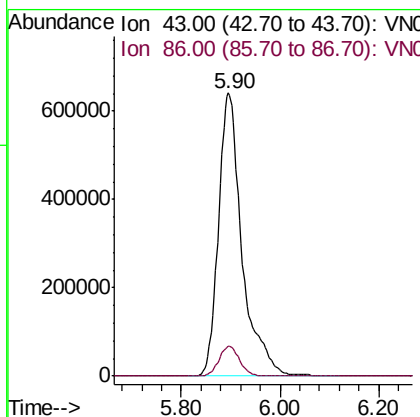
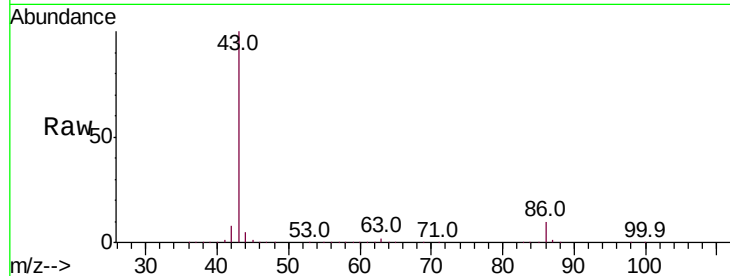
#23  
 Vinyl Acetate  
 Concen: 257.453 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 2135793  
 Ion Ratio Lower Upper  
 43 100  
 86 10.5 8.5 12.7

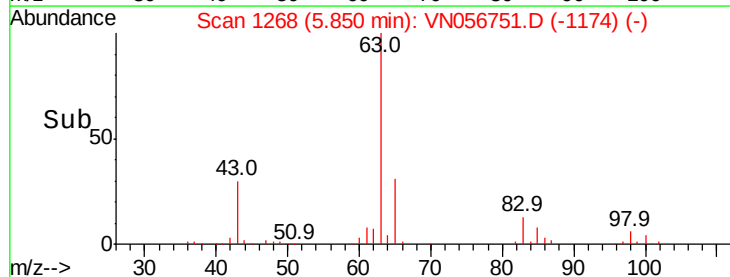
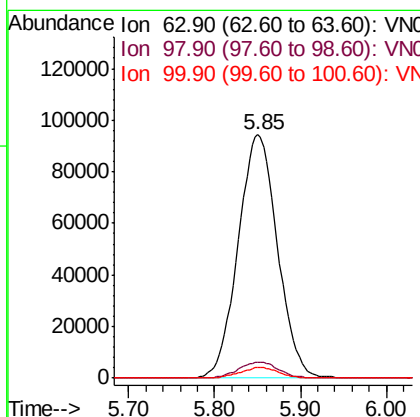
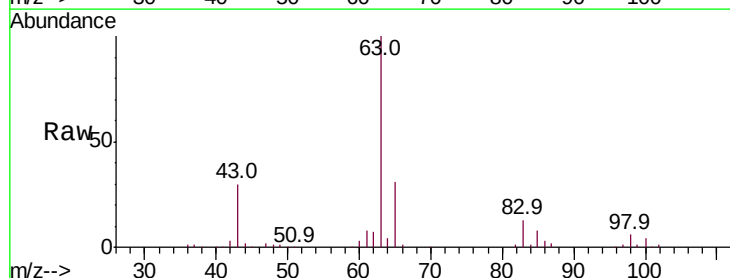
Manual Integrations  
 APPROVED

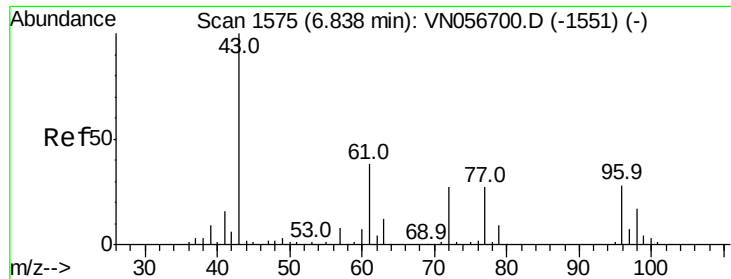
MMDadoda  
 7/17/2019 1:31:52 AM



#24  
 1,1-Dichloroethane  
 Concen: 50.538 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Tgt Ion: 63 Resp: 299965  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.3 9.9  
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 236.381 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 562004

Ion Ratio Lower Upper

43 100

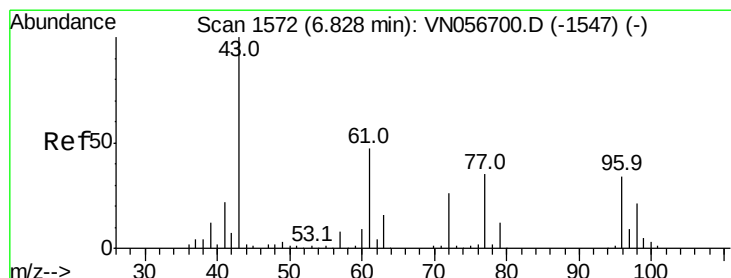
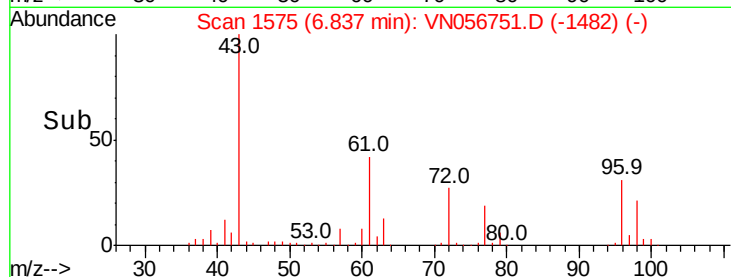
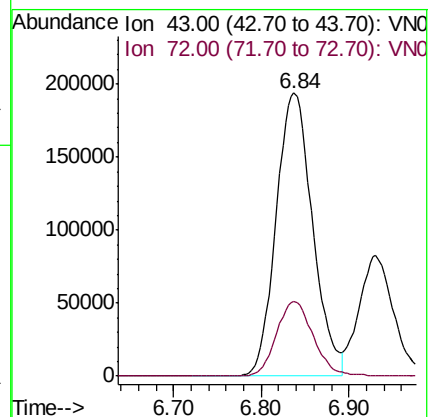
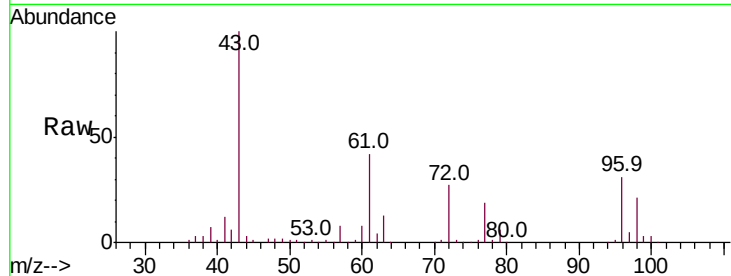
72 26.5 21.2 31.8

Manual Integrations

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7/17/2019 1:31:52 AM



#26

2,2-Dichloropropane

Concen: 31.102 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056751.D

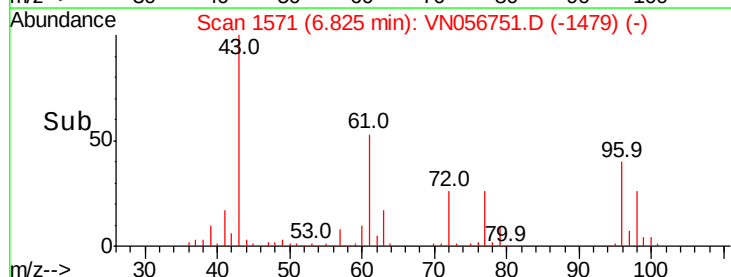
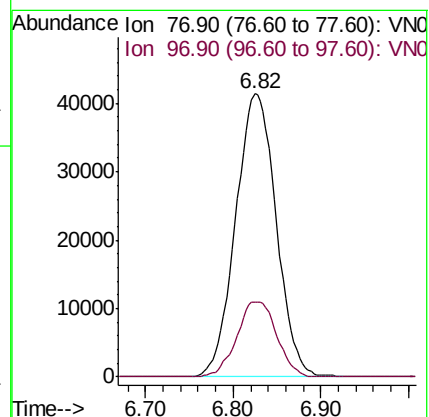
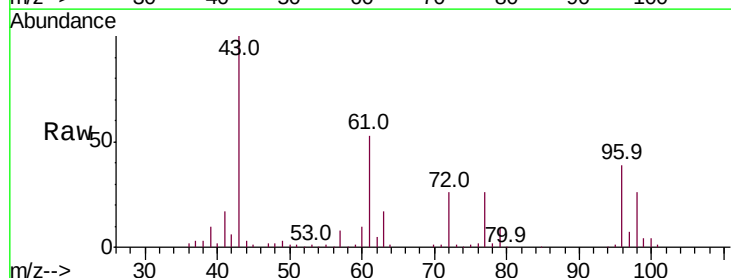
Acq: 16 Jul 2019 7:09

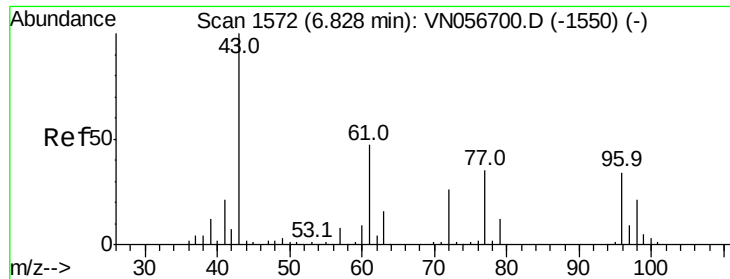
Tgt Ion: 77 Resp: 133108

Ion Ratio Lower Upper

77 100

97 26.2 12.2 36.6





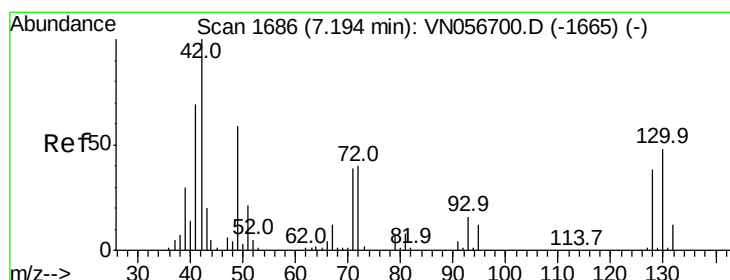
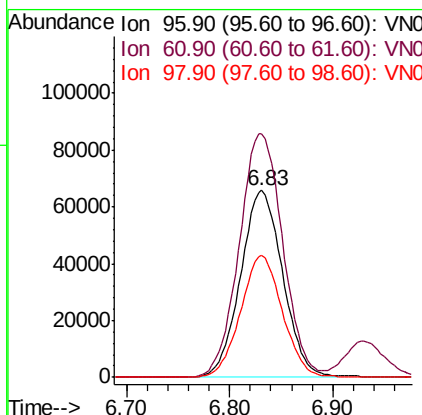
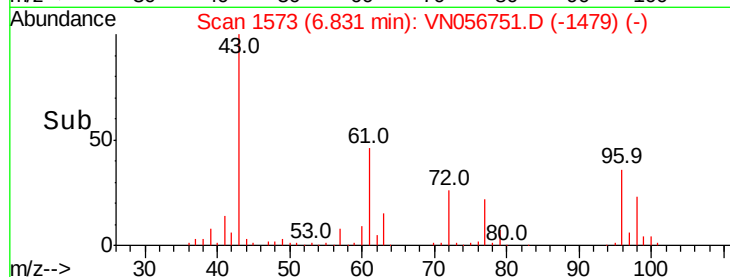
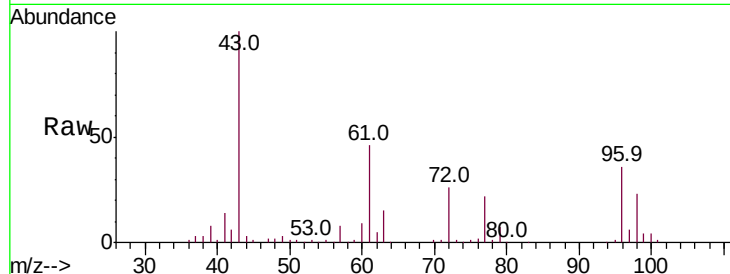
#27  
 cis-1,2-Dichloroethene  
 Concen: 51.264 ug/l  
 RT: 6.83 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 187002 |       |       |
| 61      | 134.2 | 0.0    | 281.4 |       |
| 98      | 65.0  | 0.0    | 127.8 |       |

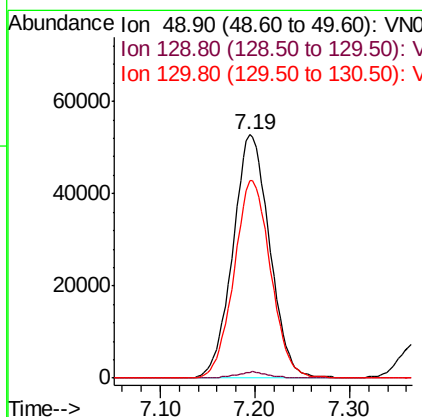
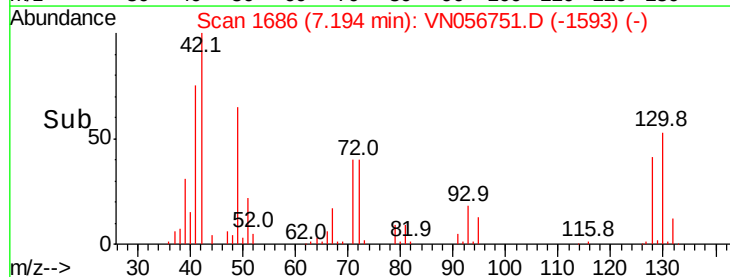
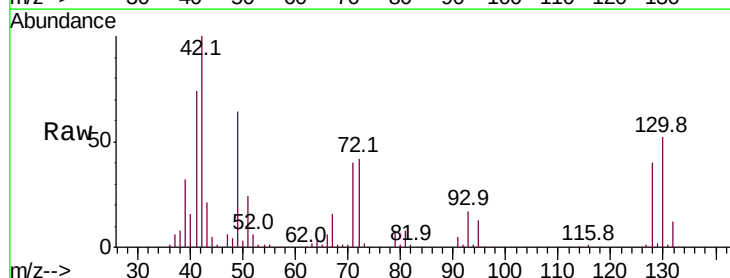
Manual Integrations  
 APPROVED

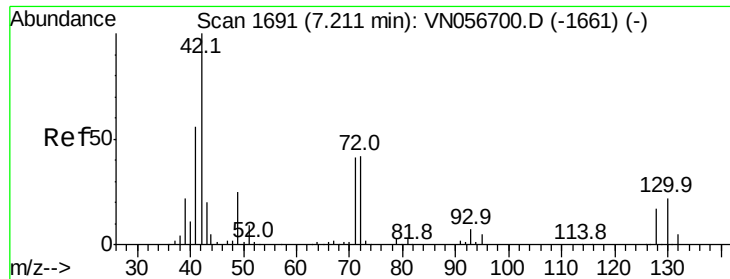
MMDadoda  
 7/17/2019 1:31:52 AM



#28  
 Bromochloromethane  
 Concen: 51.223 ug/l  
 RT: 7.19 min Scan# 1686  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 142948 |       |       |
| 129     | 2.2   | 0.0    | 4.0   |       |
| 130     | 80.7  | 64.7   | 97.1  |       |





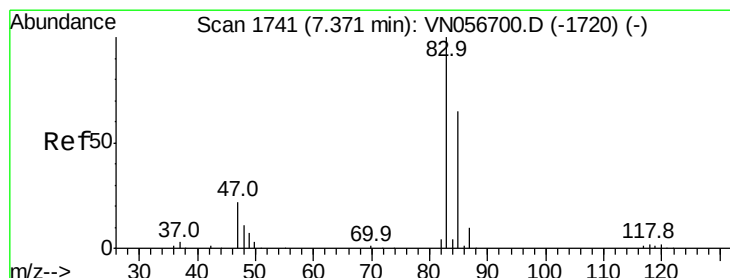
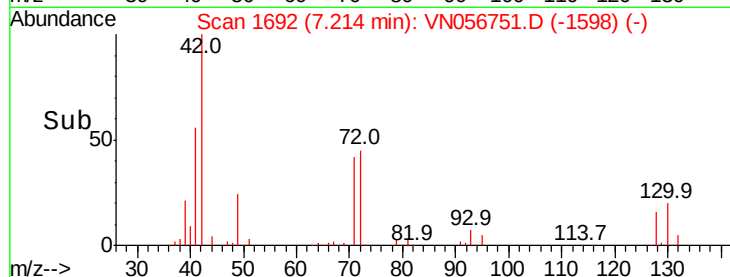
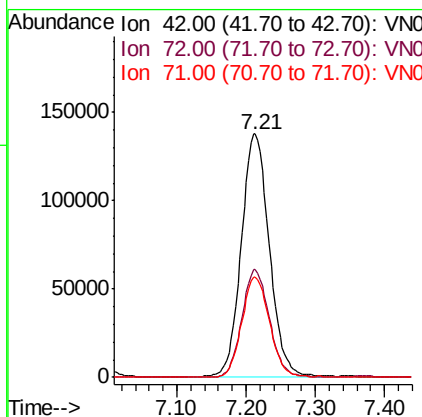
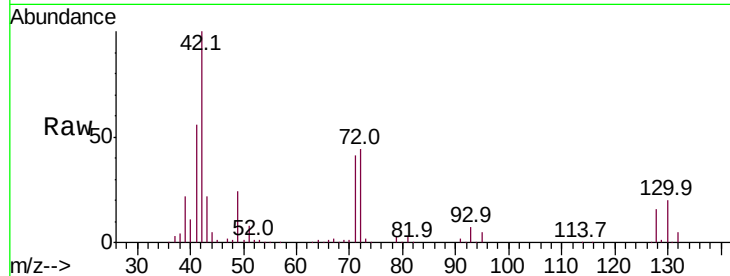
#29  
Tetrahydrofuran  
Concen: 251.843 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 43.1  | 33.5  | 50.3  |
| 71      | 40.5  | 31.8  | 47.8  |

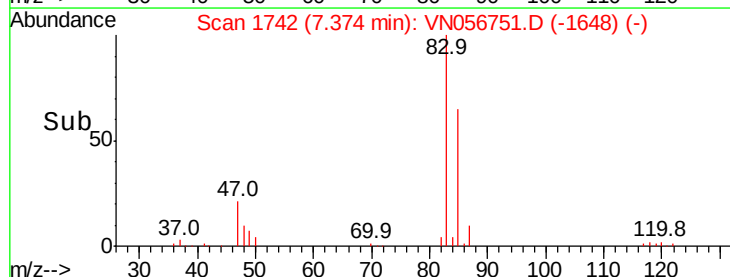
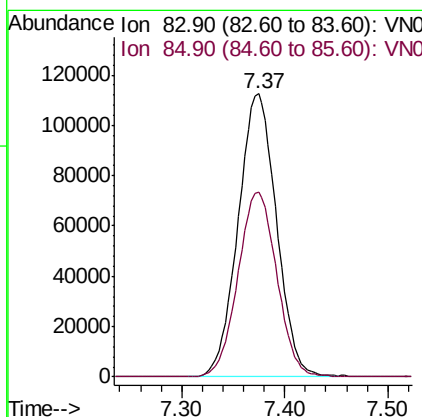
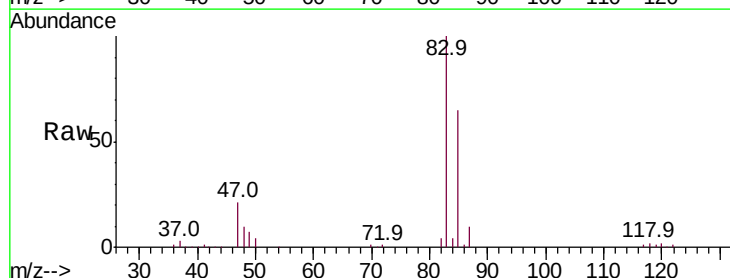
Manual Integrations  
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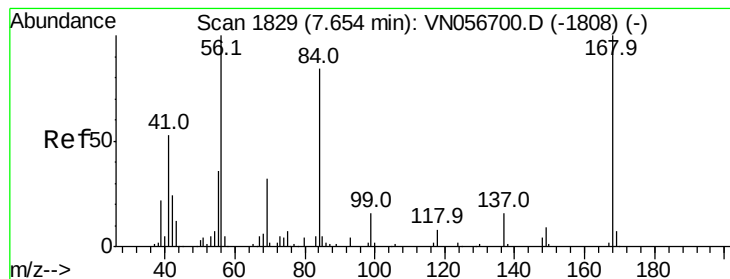
MMDadoda  
7/17/2019 1:31:52 AM



#30  
Chloroform  
Concen: 49.084 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.4  | 51.9  | 77.9  |





#31

Cyclohexane

Concen: 49.249 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 277831

Ion Ratio Lower Upper

56 100

69 32.3 25.8 38.8

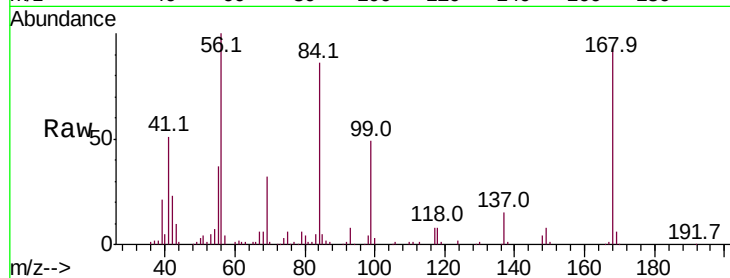
84 84.8 67.4 101.0

Manual Integrations

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MMDadoda

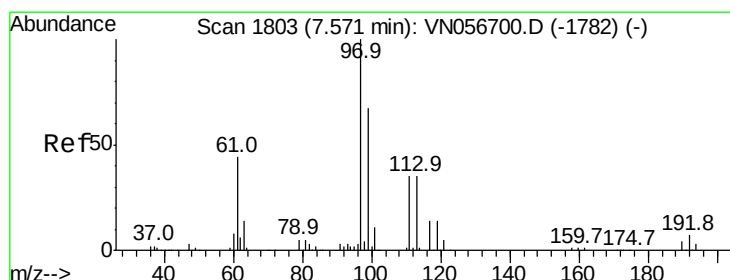
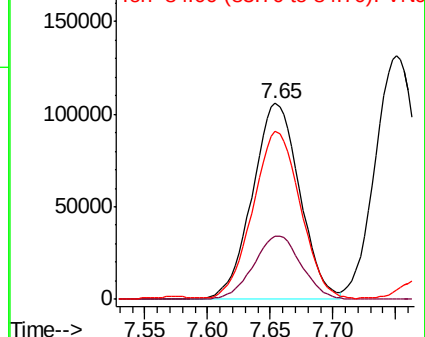
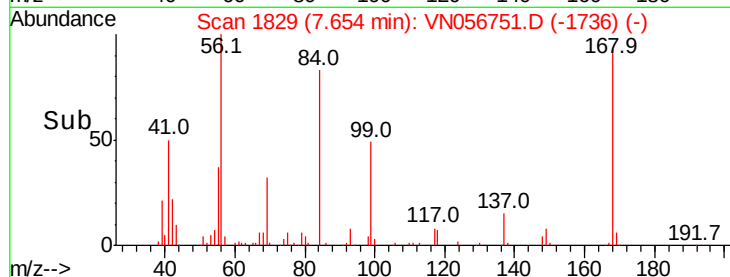
7/17/2019 1:31:52 AM



Abundance Ion 56.00 (55.70 to 56.70): VN056751.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN056751.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN056751.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 52.008 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

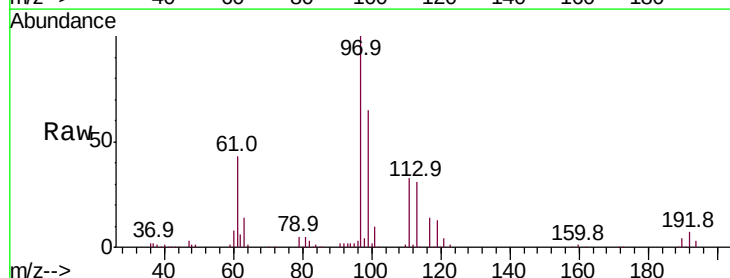
Tgt Ion: 97 Resp: 244295

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

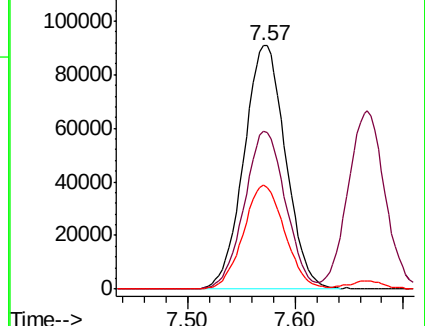
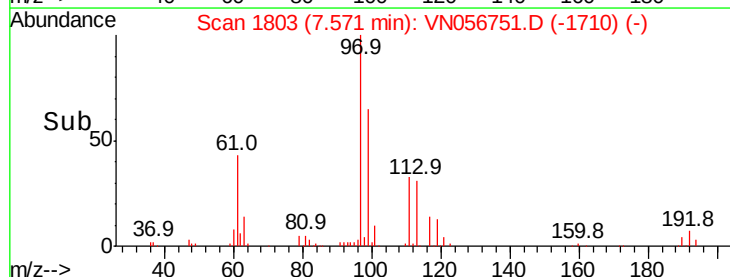
61 42.4 34.3 51.5

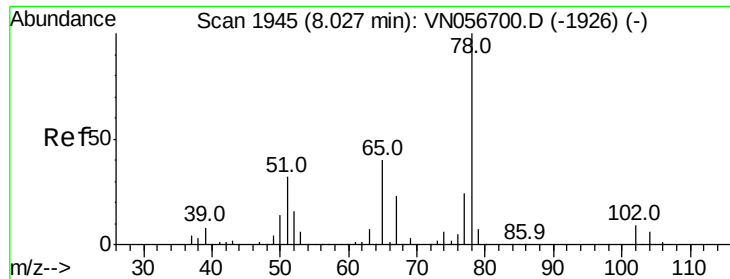


Abundance Ion 96.90 (96.60 to 97.60): VN056751.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN056751.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN056751.D (-1710) (-)





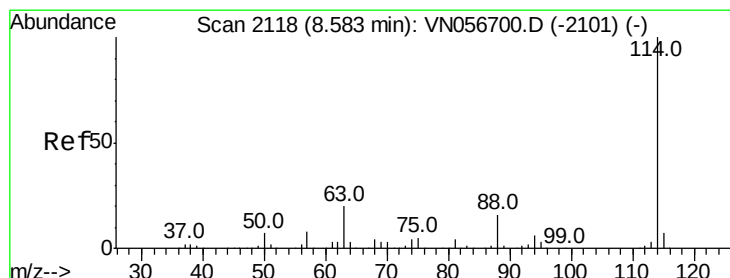
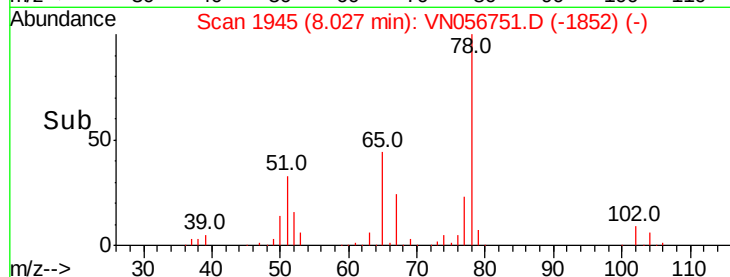
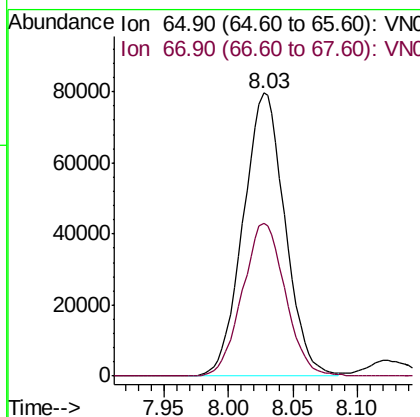
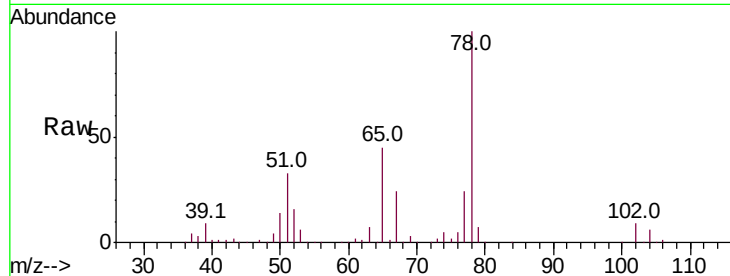
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.132 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 180441 |       |       |
| 67      | 55.3  | 0.0    | 109.0 |       |

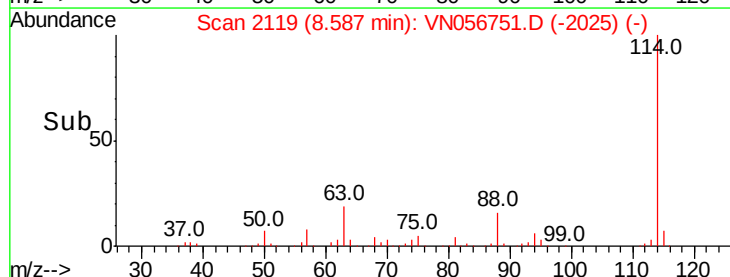
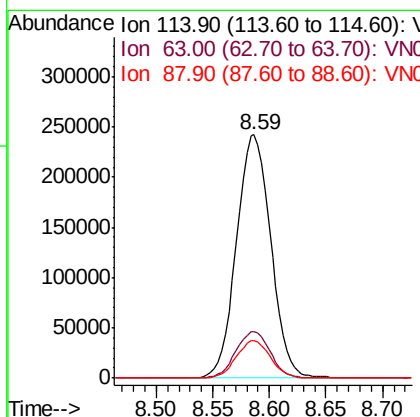
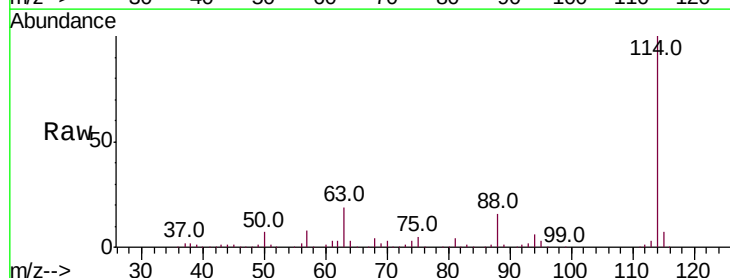
Manual Integrations  
 APPROVED

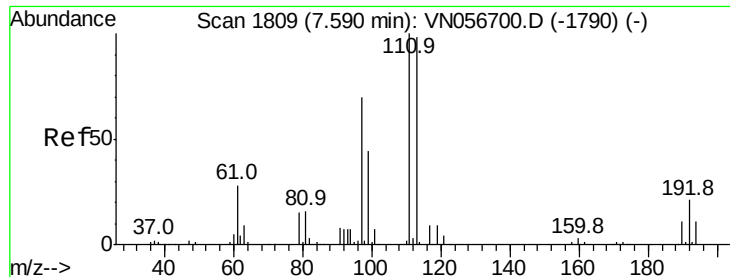
MMDadoda  
 7/17/2019 1:31:52 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 513351 |       |       |
| 63      | 19.3  | 0.0    | 39.4  |       |
| 88      | 15.6  | 0.0    | 31.2  |       |





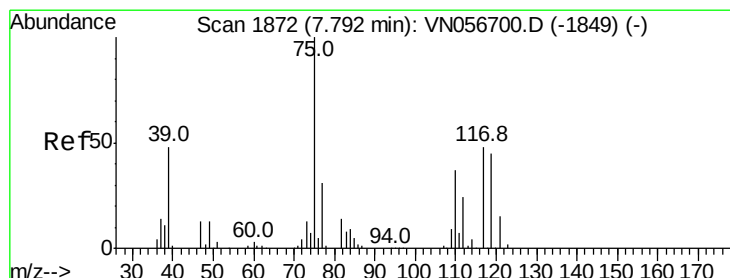
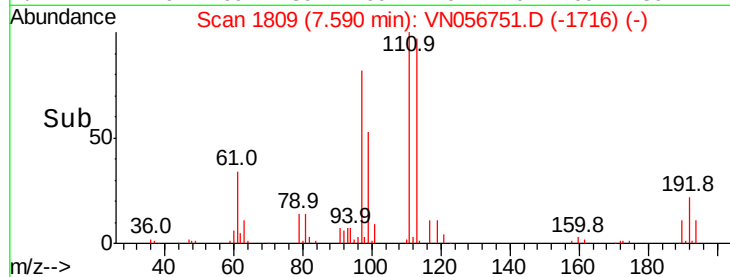
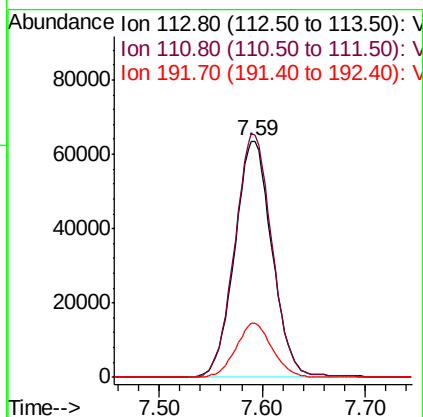
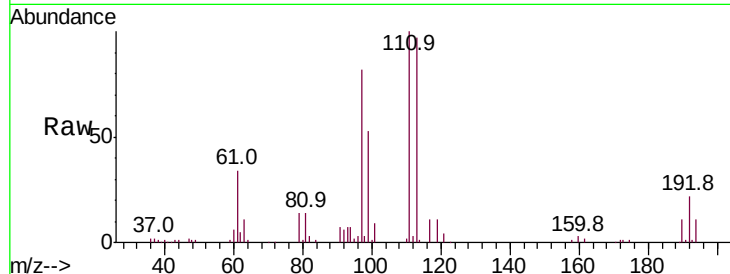
#35  
 Dibromofluoromethane  
 Concen: 50.084 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 81.8  | 122.6 |
| 192     | 22.4  | 17.5  | 26.3  |

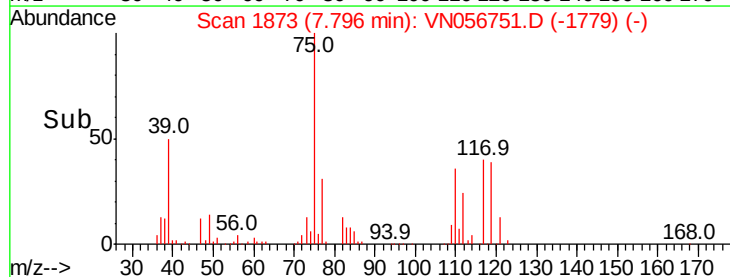
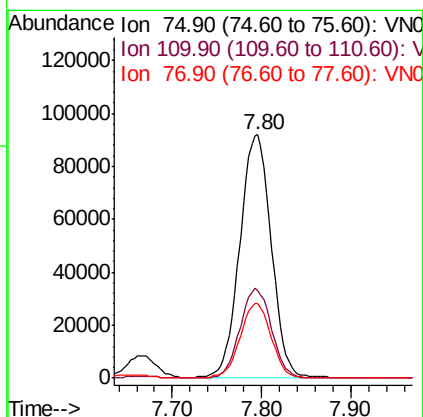
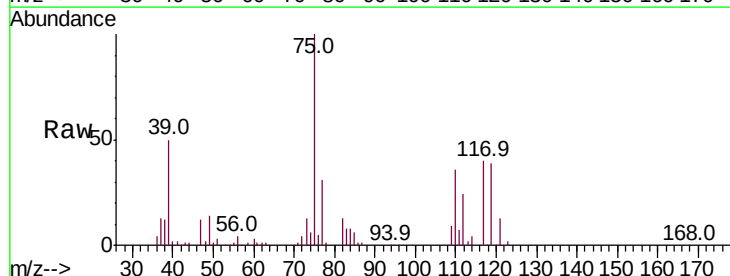
Manual Integrations  
 APPROVED

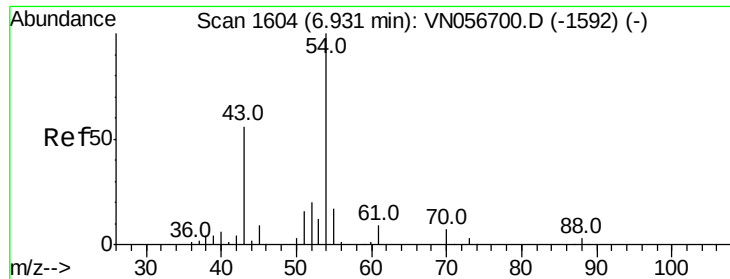
MMDadoda  
 7/17/2019 1:31:52 AM



#36  
 1,1-Dichloropropene  
 Concen: 47.204 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.9  | 18.4  | 55.4  |
| 77      | 30.6  | 24.6  | 36.8  |





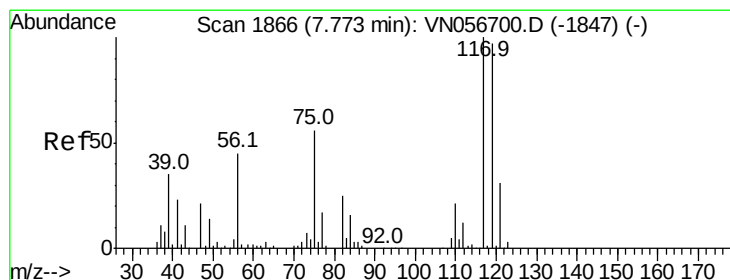
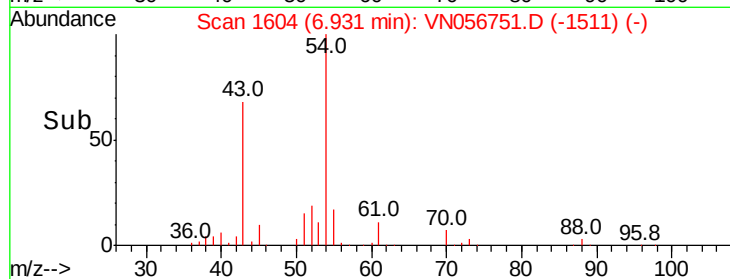
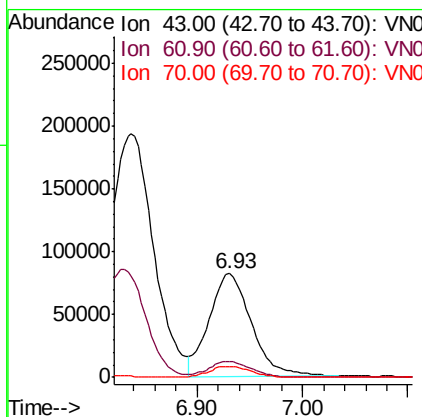
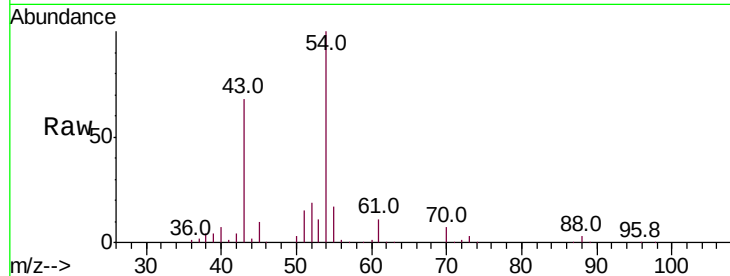
#37  
Ethyl Acetate  
Concen: 48.578 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43  | 61   | 70   |
|-----------|-----|------|------|
| Ion Ratio | 100 | 15.4 | 10.7 |
| Lower     |     | 11.3 | 8.5  |
| Upper     |     | 16.9 | 12.7 |

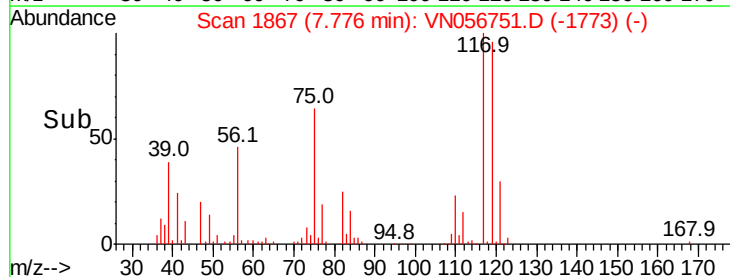
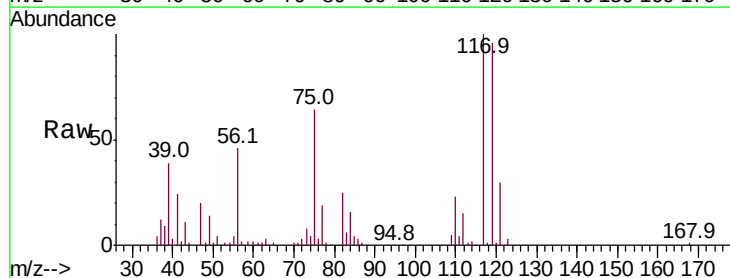
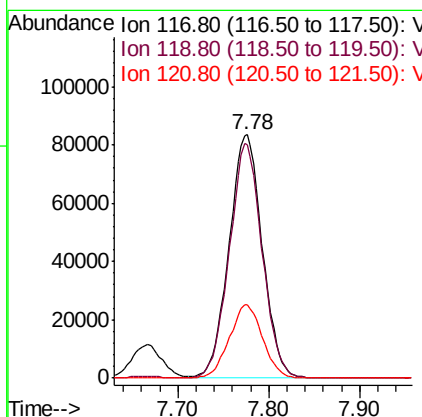
Manual Integrations  
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7/17/2019 1:31:52 AM

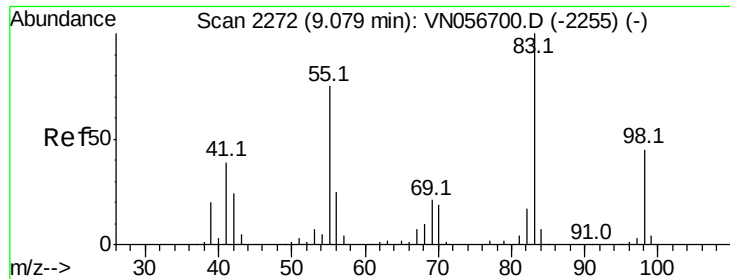


#38  
Carbon Tetrachloride  
Concen: 47.522 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion   | 117 | 119   | 121  |
|-----------|-----|-------|------|
| Ion Ratio | 100 | 96.0  | 30.1 |
| Lower     |     | 77.5  | 24.7 |
| Upper     |     | 116.3 | 37.1 |







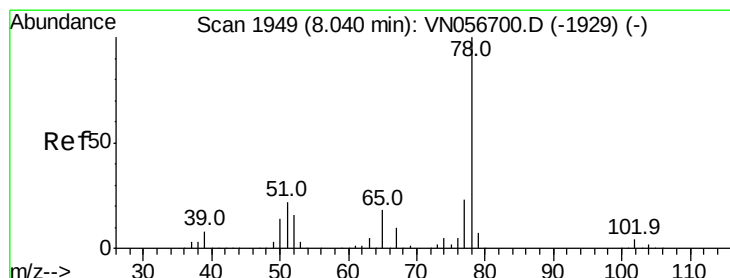
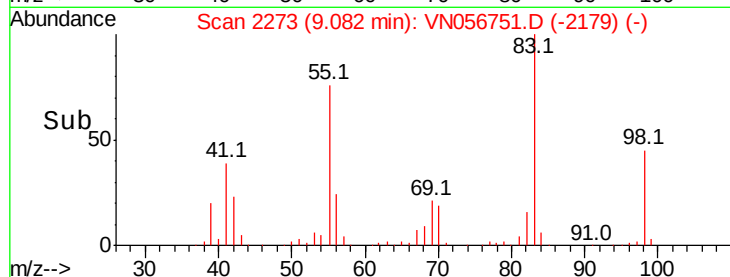
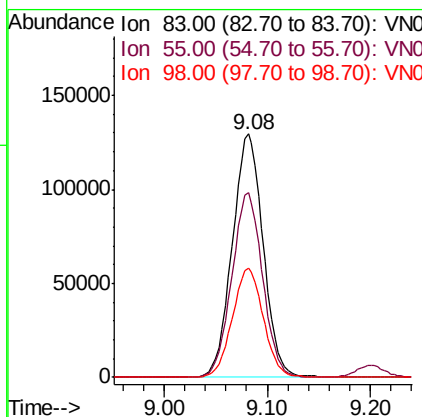
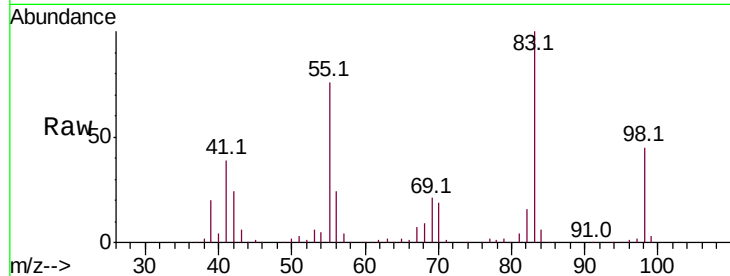
#39  
Methylvlcyclohexane  
Concen: 46.056 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.7  | 60.4  | 90.6  |
| 98      | 44.9  | 35.8  | 53.8  |

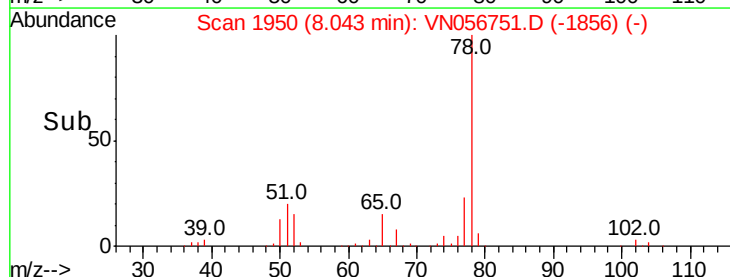
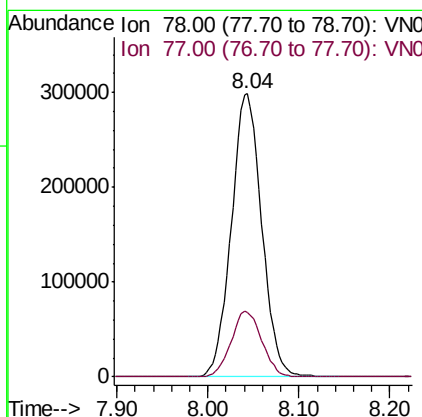
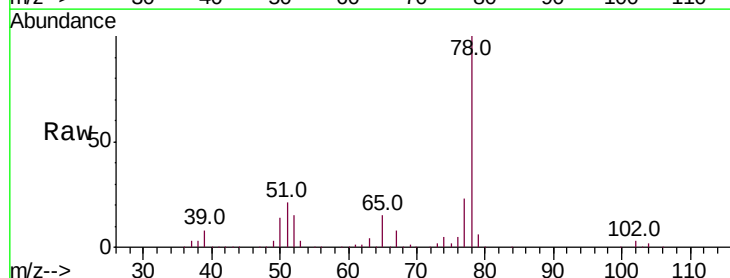
Manual Integrations  
APPROVED

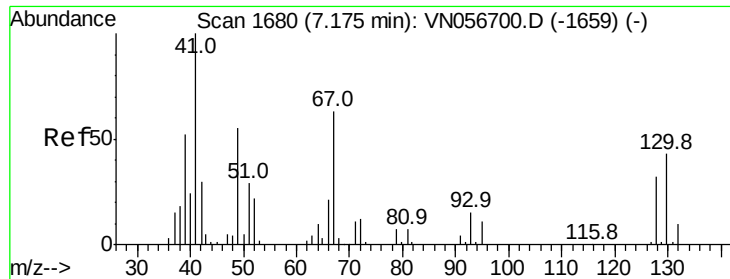
MMDadoda  
7/17/2019 1:31:52 AM



#40  
Benzene  
Concen: 47.591 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.0  | 18.6  | 27.8  |





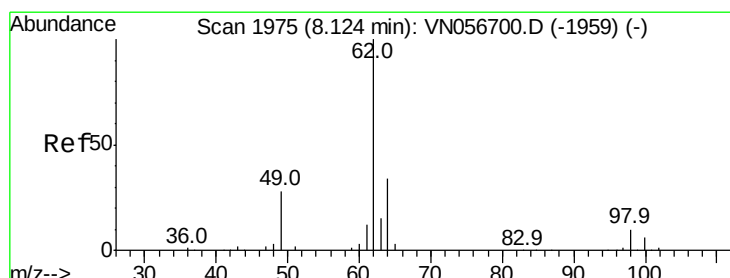
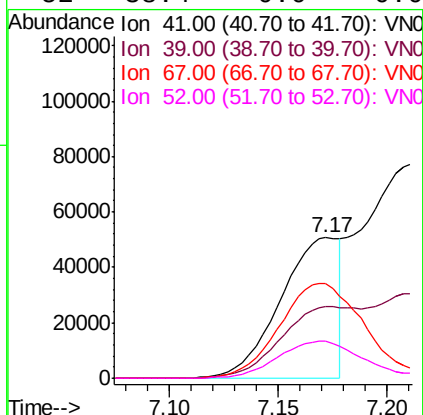
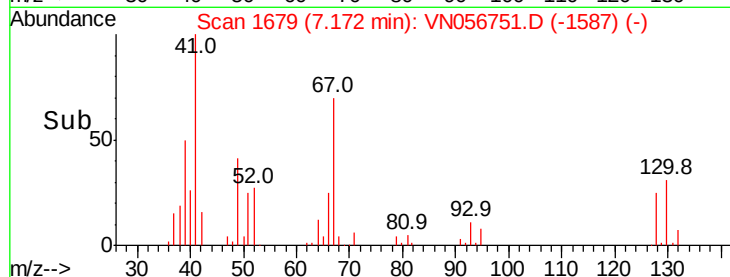
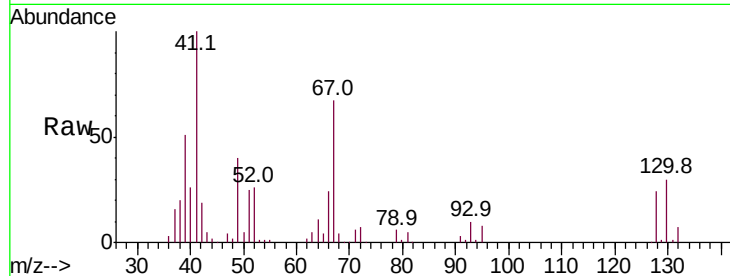
#41  
Methacrylonitrile  
Concen: 46.943 ug/l m  
RT: 7.17 min Scan# 1679  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 66.0  | 0.0   | 0.0#  |
| 67      | 97.1  | 0.0   | 0.0#  |
| 52      | 38.4  | 0.0   | 0.0#  |

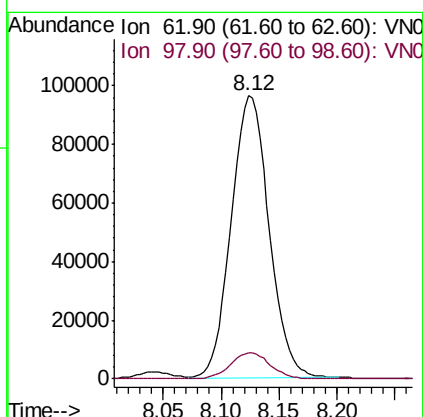
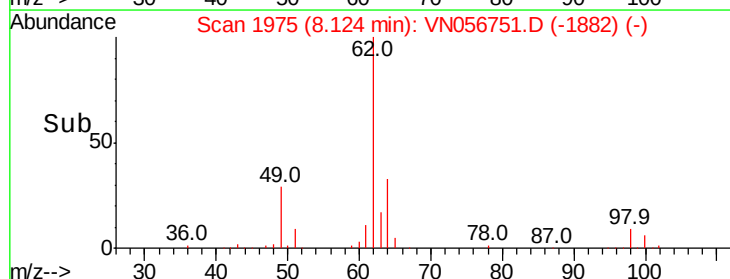
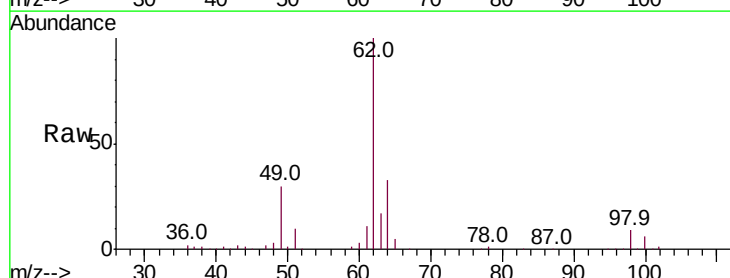
Manual Integrations  
APPROVED

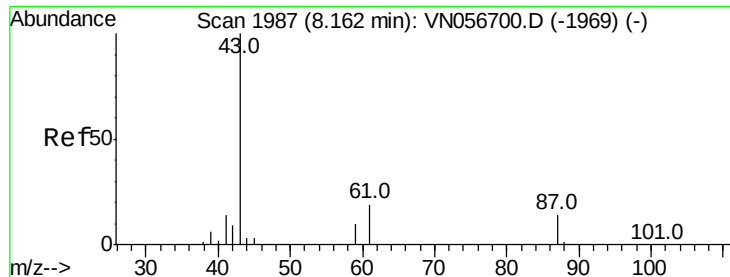
MMDadoda  
7/17/2019 1:31:52 AM



#42  
1,2-Dichloroethane  
Concen: 47.560 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 9.7   | 0.0   | 19.8  |





#43

Isopropyl Acetate

Concen: 51.320 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

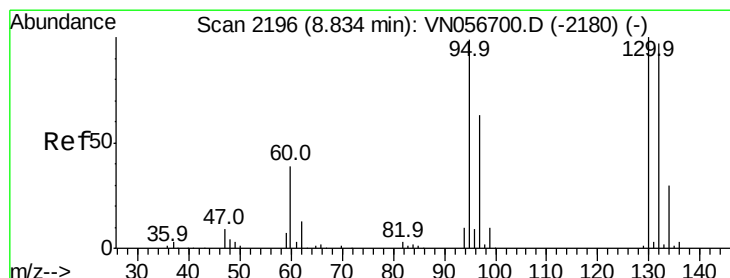
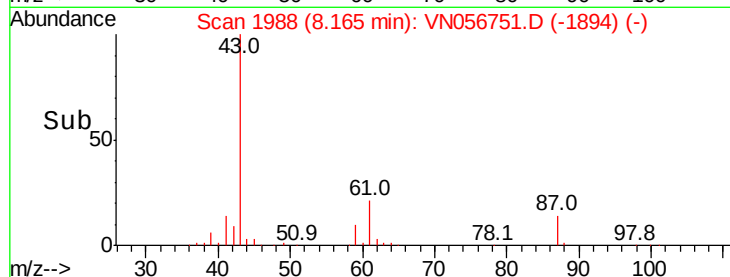
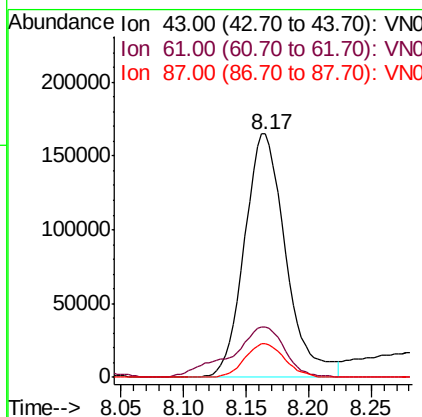
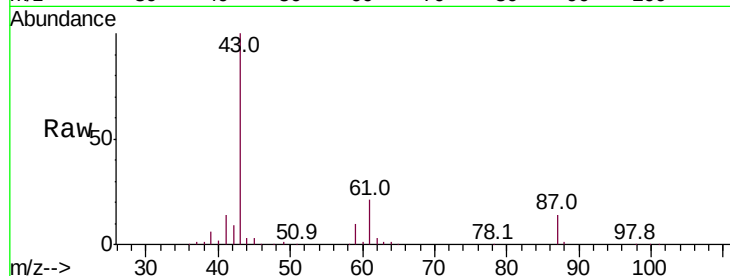
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 377735 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 26.5  | 22.3  | 33.5   |
| 87        | 13.3  | 11.1  | 16.7   |

Manual Integrations  
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#44

Trichloroethene

Concen: 47.974 ug/l

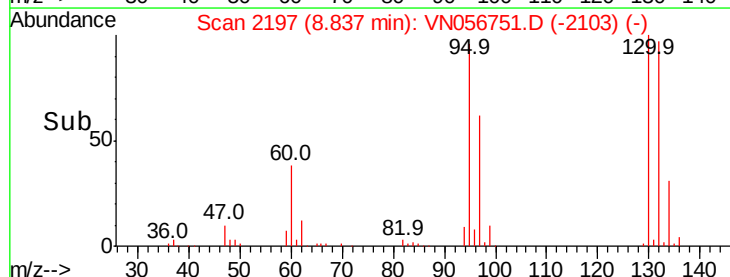
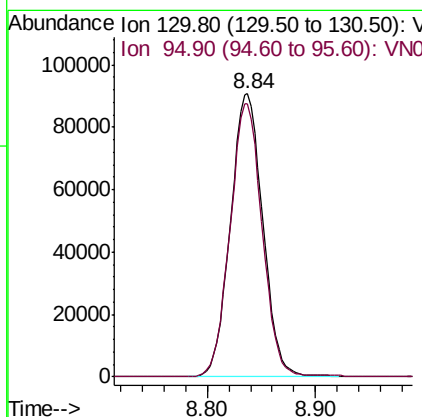
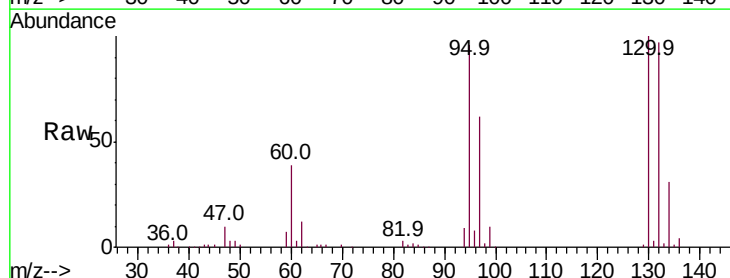
RT: 8.84 min Scan# 2197

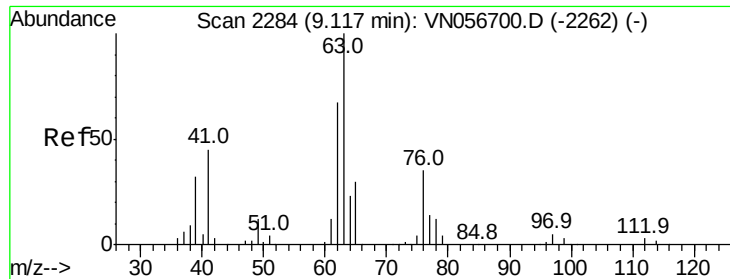
Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 189621 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 96.3  | 0.0   | 197.2  |





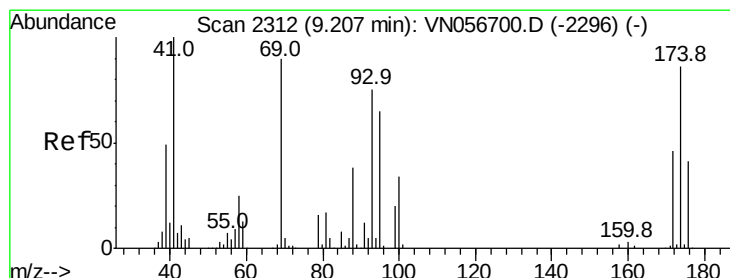
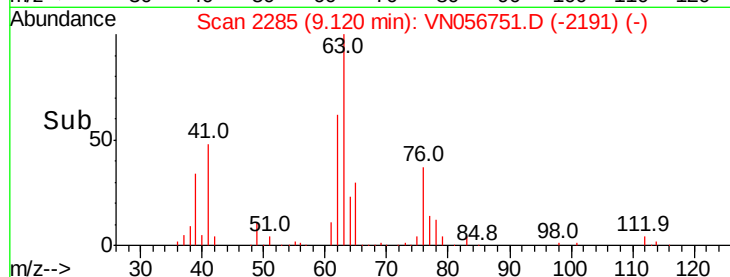
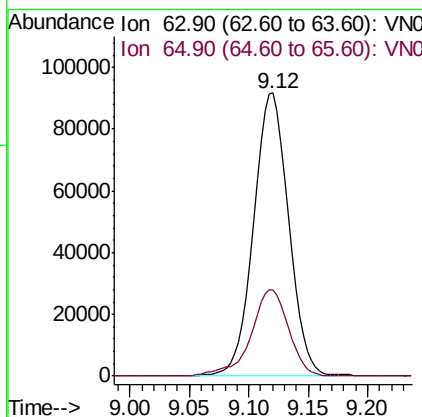
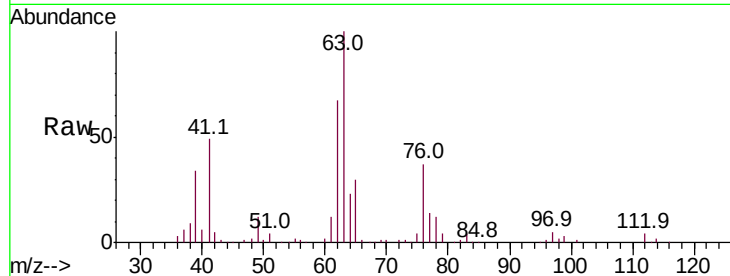
#45  
 1,2-Dichloropropane  
 Concen: 48.517 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 187643  
 Ion Ratio Lower Upper  
 63 100  
 65 30.4 24.0 36.0

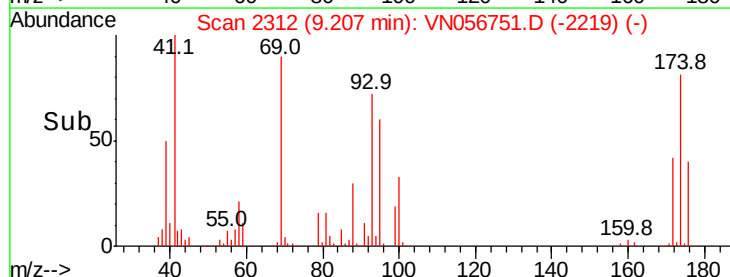
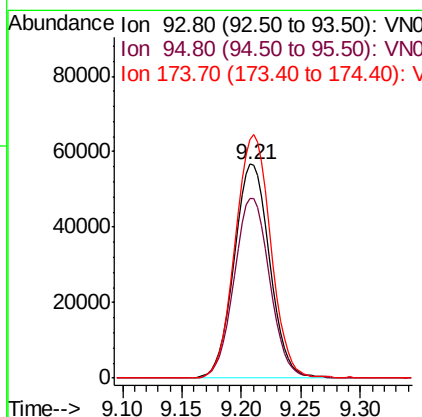
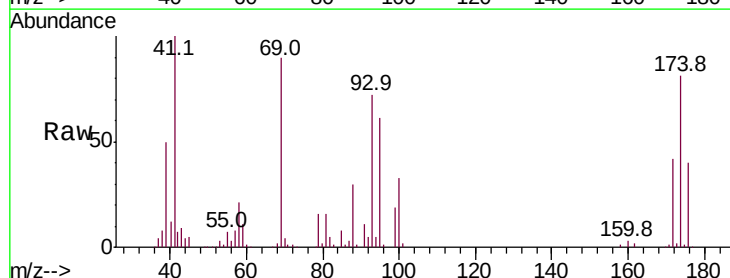
Manual Integrations  
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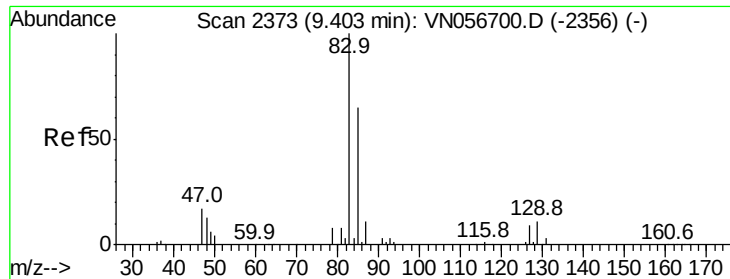
MMDadoda  
 7/17/2019 1:31:52 AM



#46  
 Dibromomethane  
 Concen: 49.076 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Tgt Ion: 93 Resp: 117622  
 Ion Ratio Lower Upper  
 93 100  
 95 84.4 67.4 101.0  
 174 114.1 90.3 135.5





#47

Bromodichloromethane

Concen: 49.561 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 225725

Ion Ratio Lower Upper

83 100

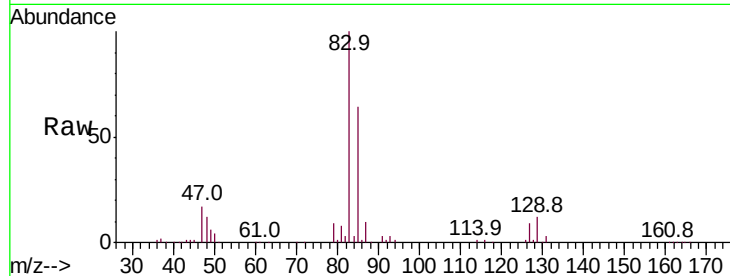
85 64.2 52.3 78.5

127 8.7 7.6 11.4

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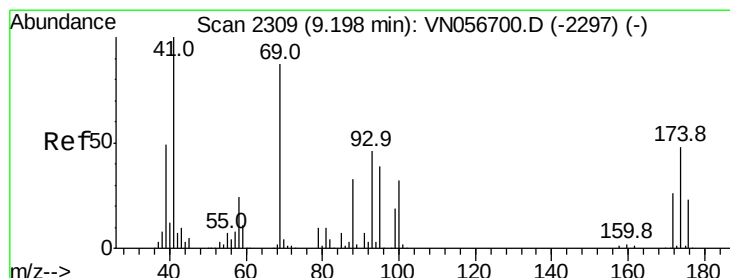
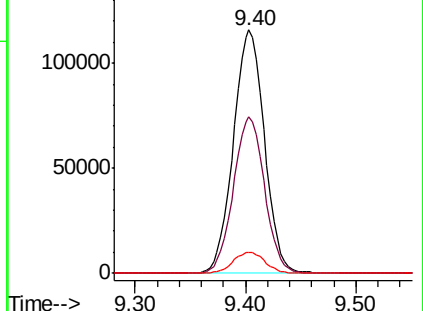
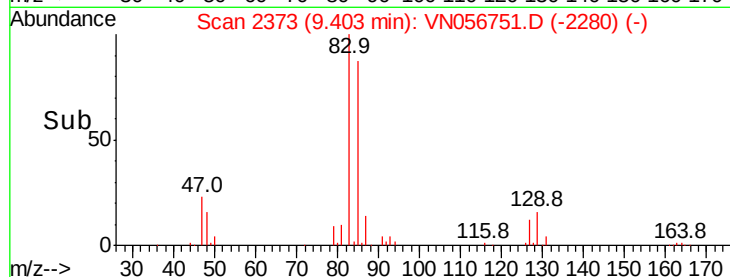
7/17/2019 1:31:52 AM



Abundance Ion 82.90 (82.60 to 83.60): VN056751.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056751.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056751.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.008 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

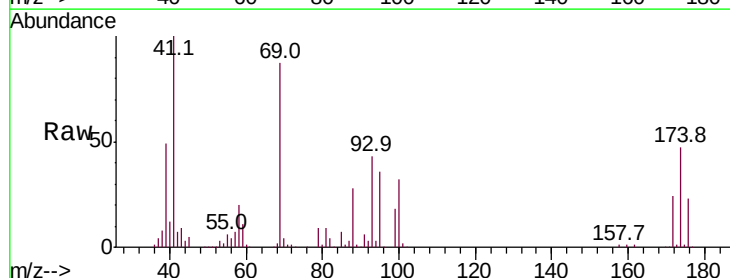
Tgt Ion: 41 Resp: 181567

Ion Ratio Lower Upper

41 100

69 89.6 71.4 107.0

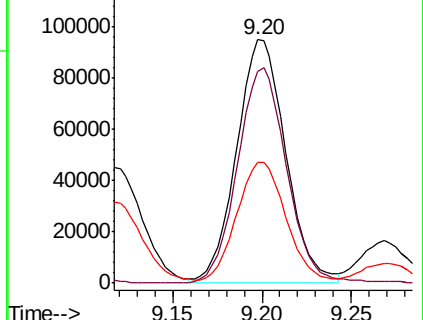
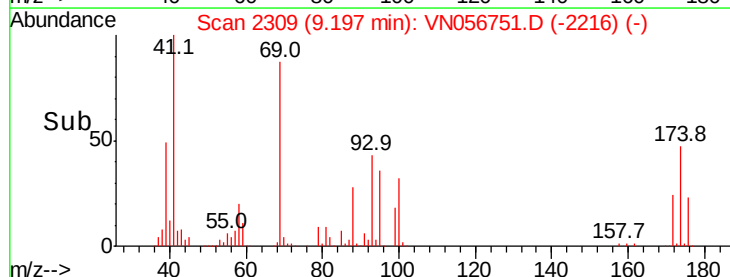
39 50.3 41.2 61.8

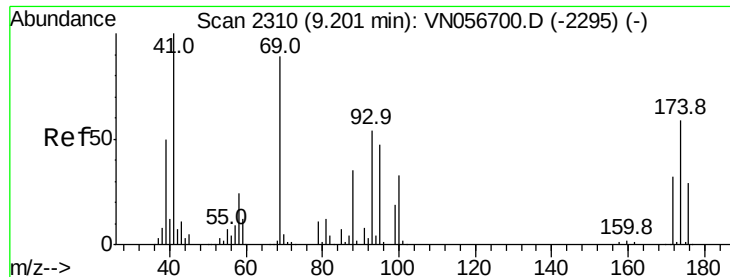


Abundance Ion 41.00 (40.70 to 41.70): VN056751.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056751.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056751.D (-2216) (-)





#49

1,4-Dioxane

Concen: 800.958 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

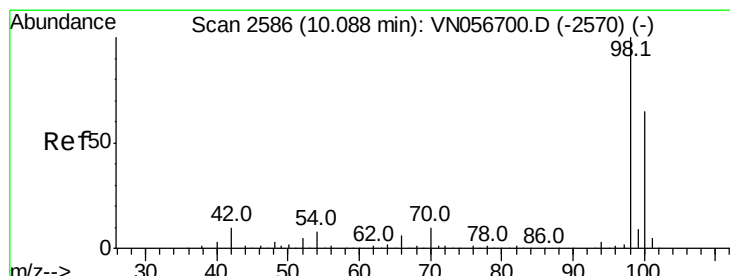
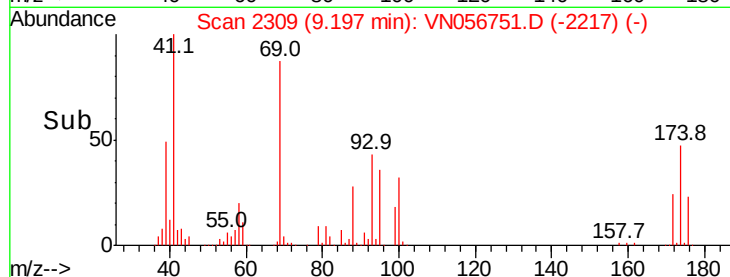
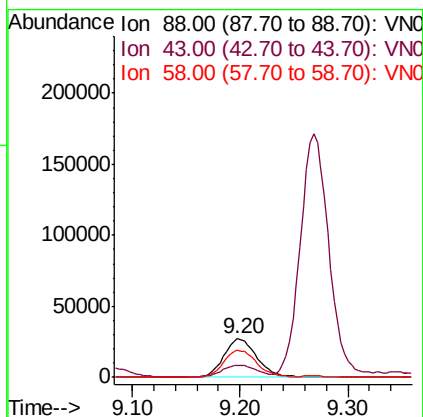
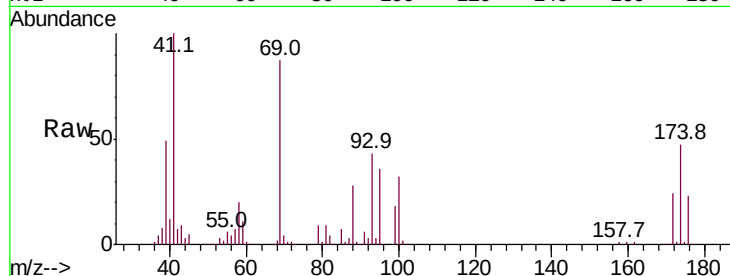
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 58501 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 29.3  | 23.7  | 35.5  |
| 58       | 69.9  | 55.6  | 83.4  |

Manual Integrations  
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#50

Toluene-d8

Concen: 49.866 ug/l

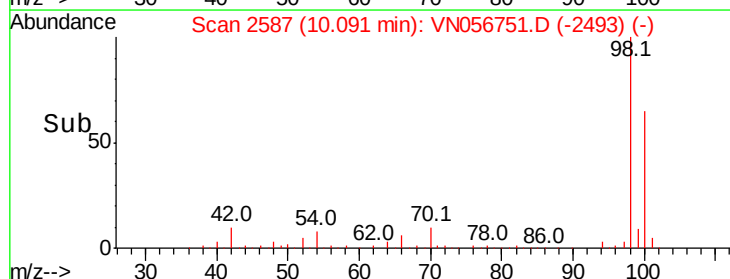
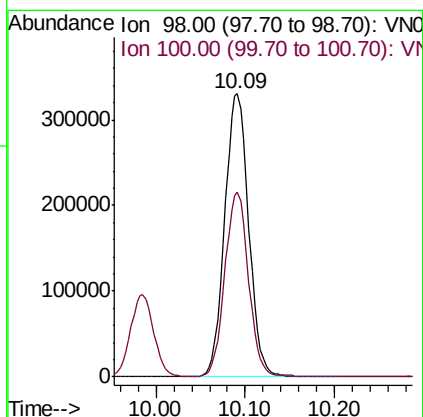
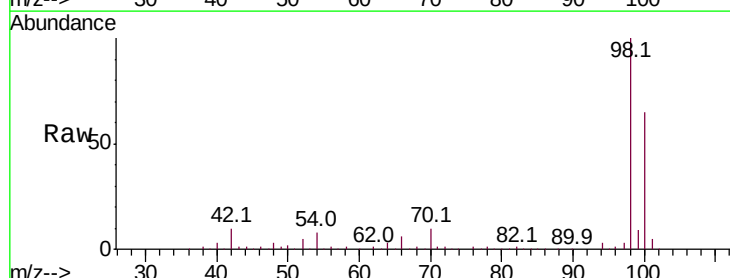
RT: 10.09 min Scan# 2587

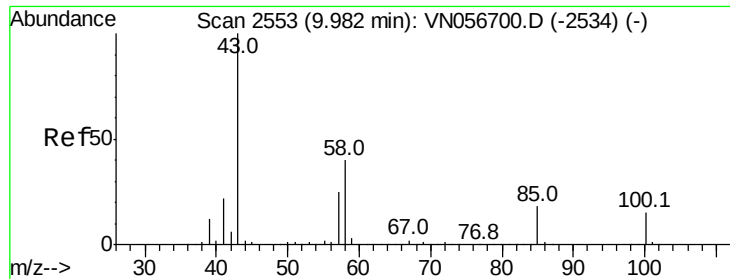
Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 615283 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.0  | 52.0  | 78.0   |





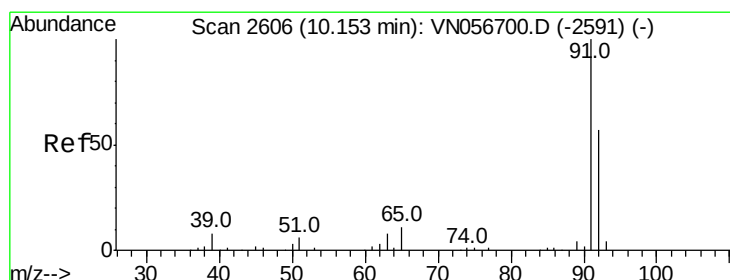
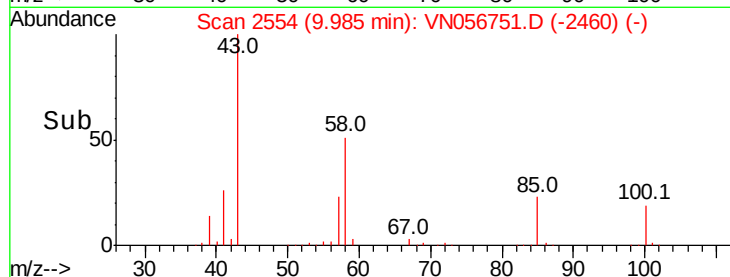
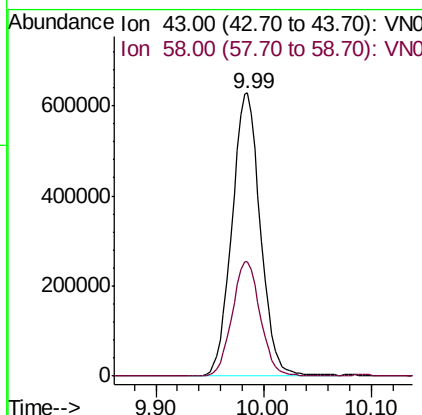
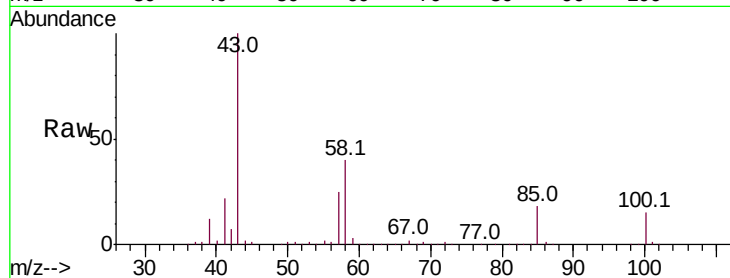
#51  
4-Methyl-2-Pentanone  
Concen: 241.882 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1153102  
Ion Ratio Lower Upper  
43 100  
58 40.2 32.0 48.0

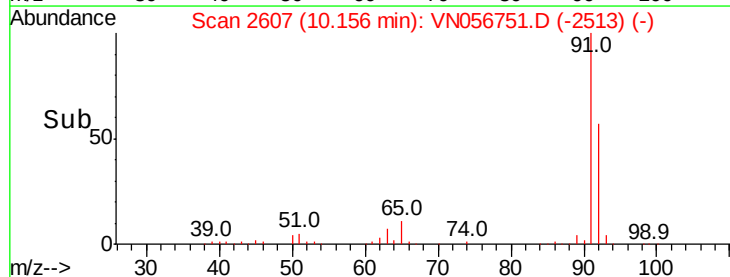
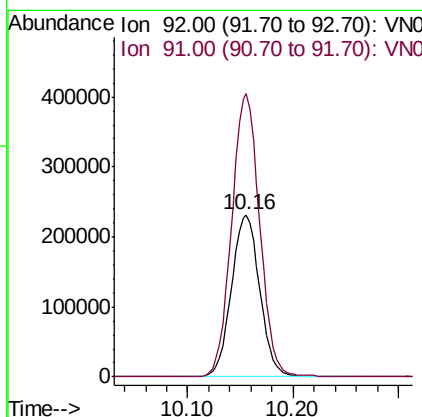
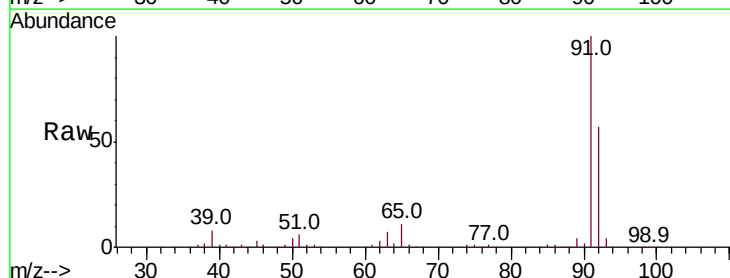
Manual Integrations  
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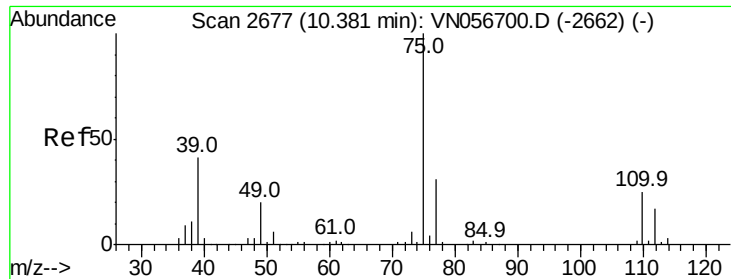
MMDadoda  
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#52  
Toluene  
Concen: 49.535 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Tgt Ion: 92 Resp: 428188  
Ion Ratio Lower Upper  
92 100  
91 173.8 139.9 209.9





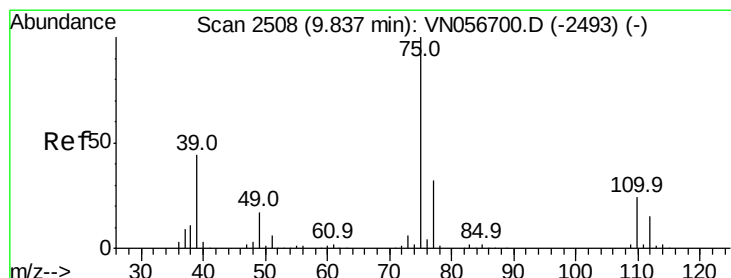
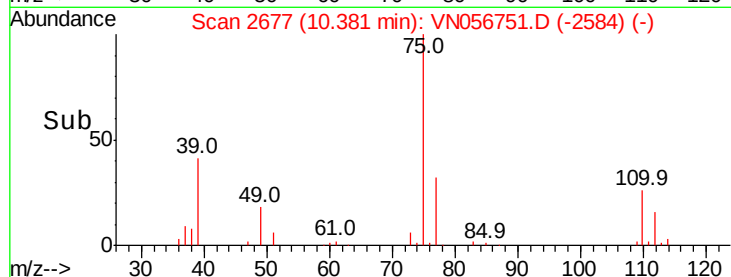
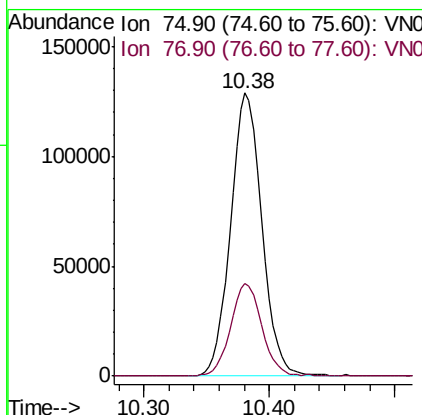
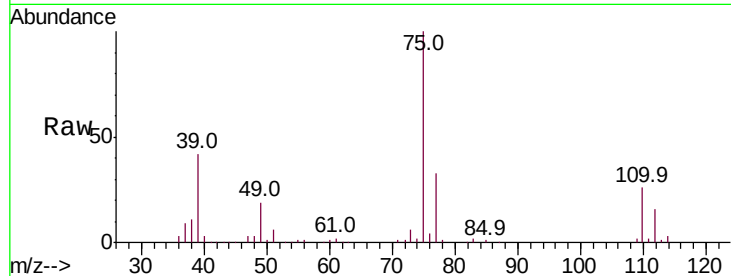
#53  
t-1,3-Dichloropropene  
Concen: 47.038 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 223514 |       |       |
| 77      | 32.5  | 25.0   | 37.6  |       |

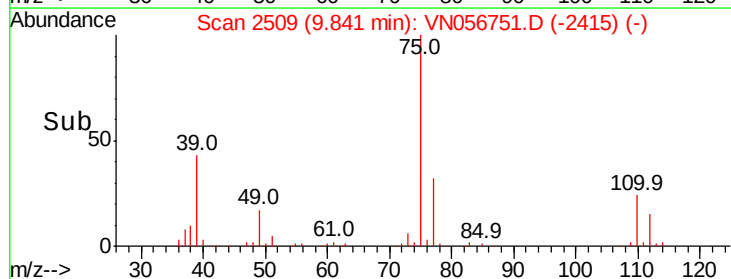
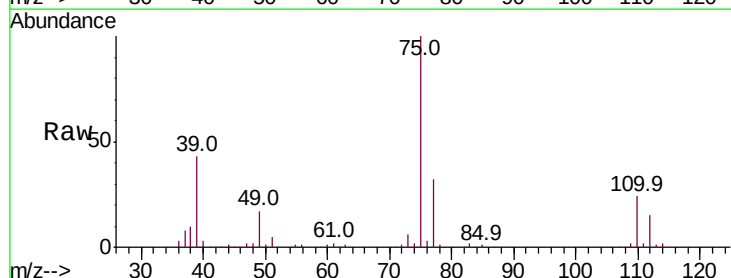
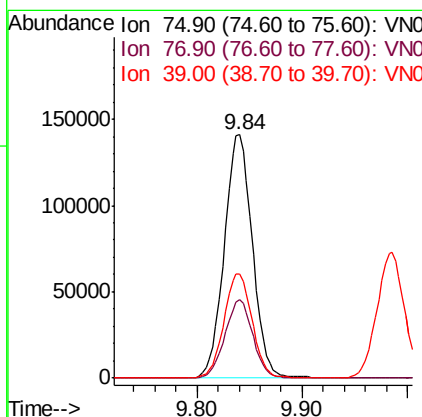
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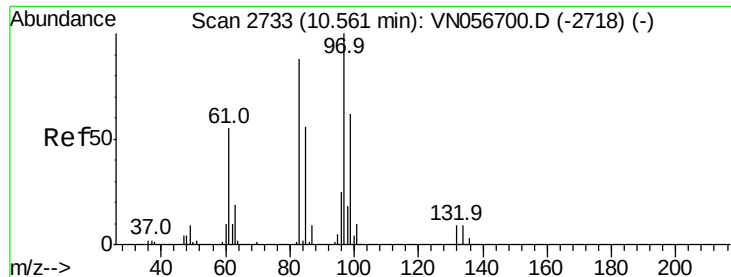


#54  
cis-1,3-Dichloropropene  
Concen: 47.232 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 260439 |       |       |
| 77      | 32.2  | 26.0   | 39.0  |       |
| 39      | 42.6  | 35.1   | 52.7  |       |







#55

1,1,2-Trichloroethane

Concen: 47.224 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

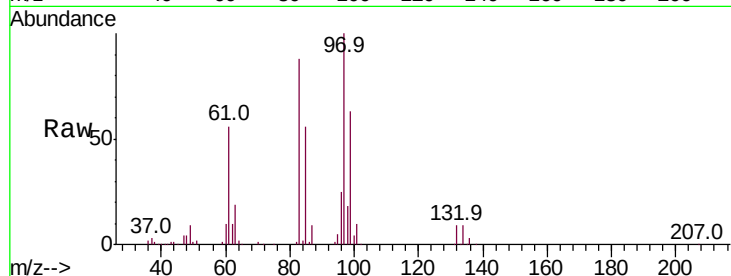
ClientSampleId :

VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 87.7  | 70.3  | 105.5 |
| 85      | 56.2  | 44.8  | 67.2  |
| 99      | 63.3  | 49.6  | 74.4  |

Manual Integrations  
APPROVED

MMDadoda  
7/17/2019 1:31:52 AM



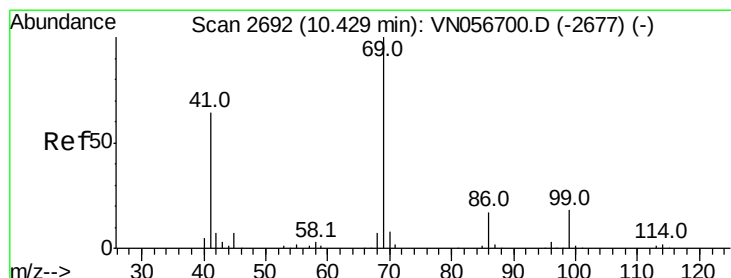
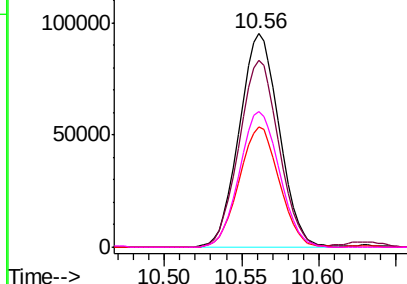
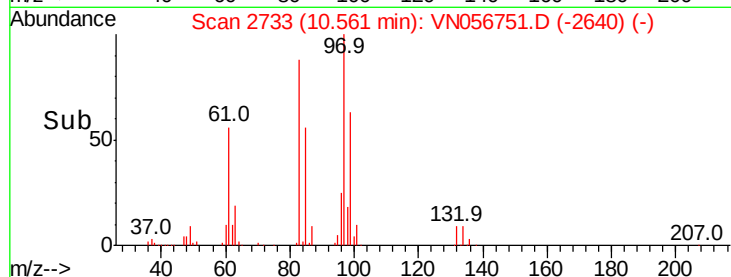
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 51.361 ug/l

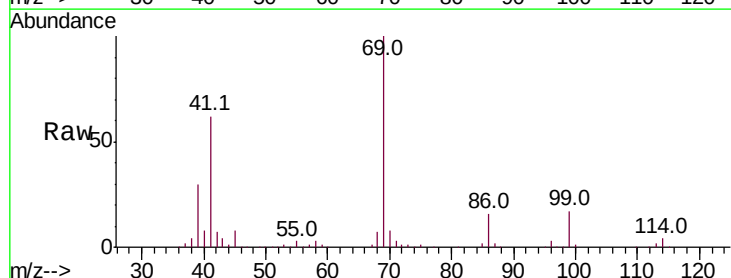
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 63.0  | 51.0  | 76.4  |
| 39      | 29.7  | 24.6  | 36.8  |

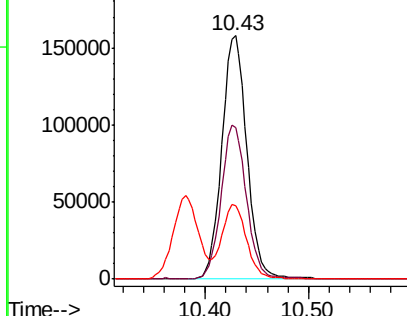
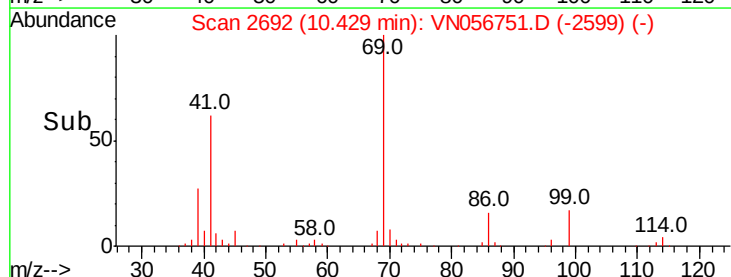


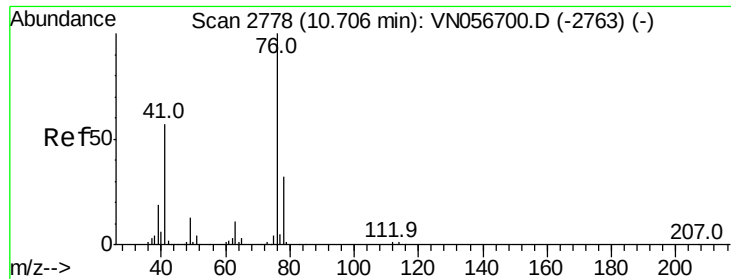
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





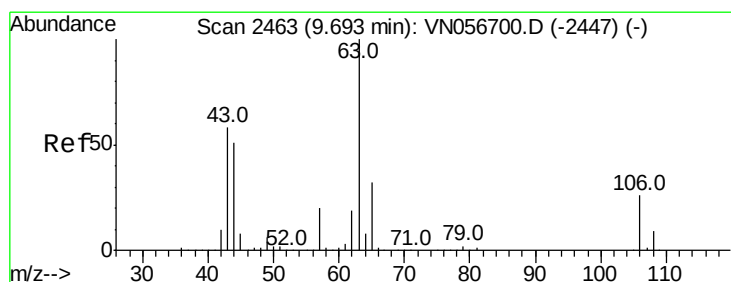
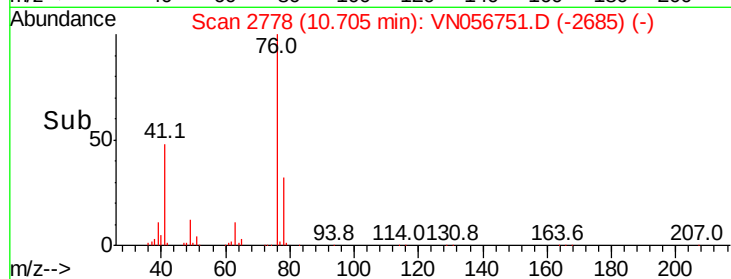
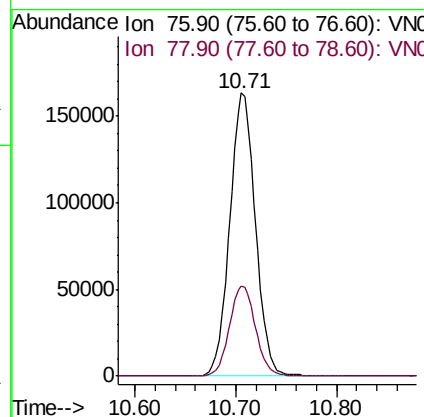
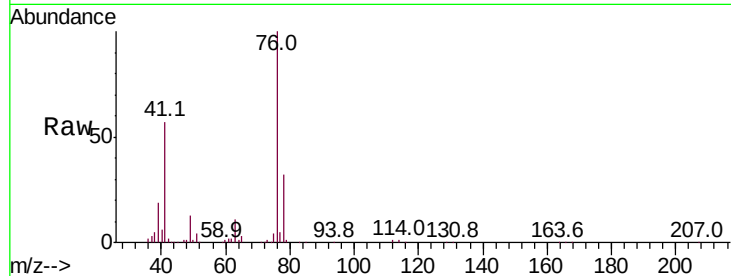
#57  
 1,3-Dichloropropane  
 Concen: 49.029 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.3  | 26.0  | 39.0  |

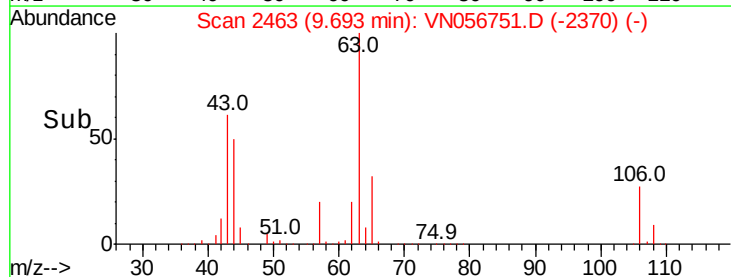
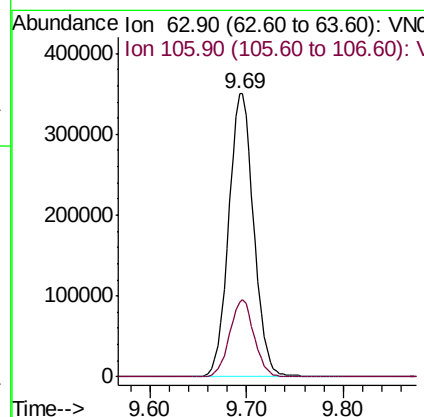
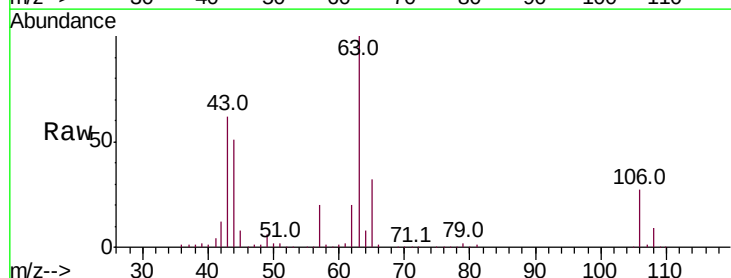
Manual Integrations  
 APPROVED

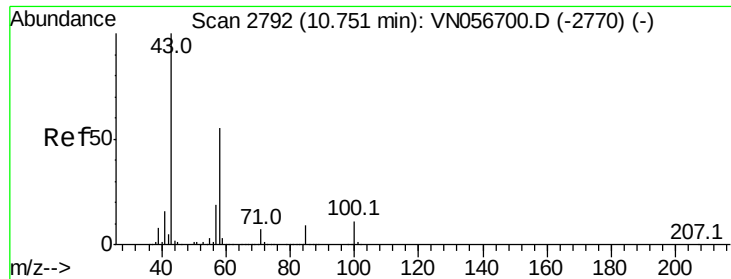
MMDadoda  
 7/17/2019 1:31:52 AM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 250.214 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 26.7  | 21.2  | 31.8  |





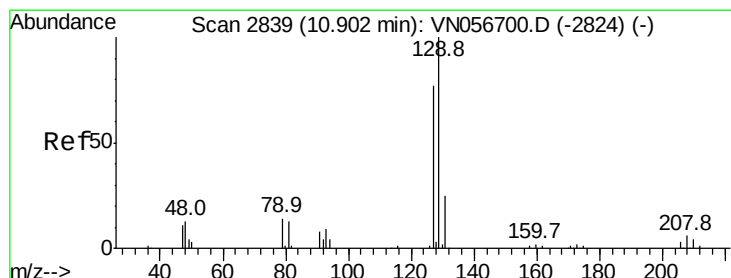
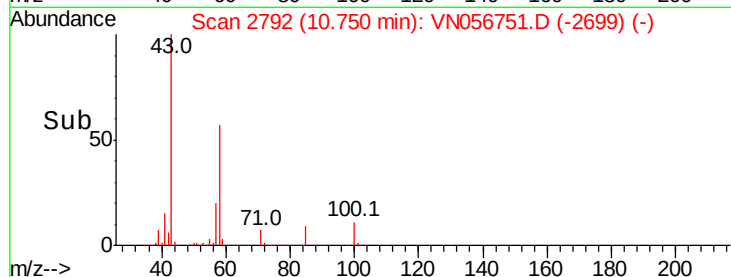
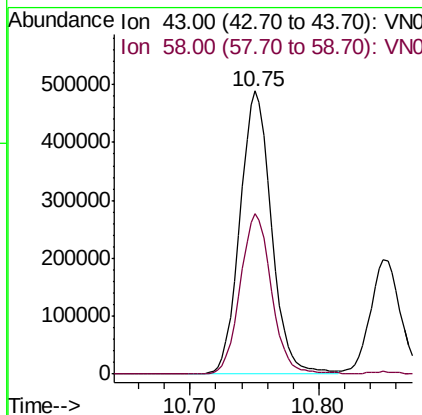
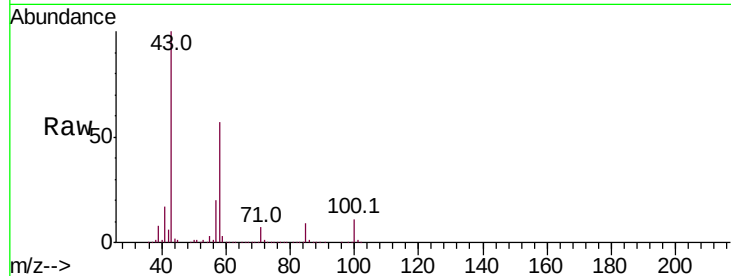
#59  
2-Hexanone  
Concen: 242.380 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43   | Resp  | 829096 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 58        | 56.5 | 27.9  | 83.6   |

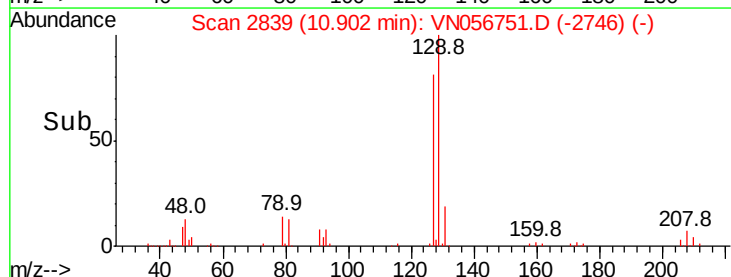
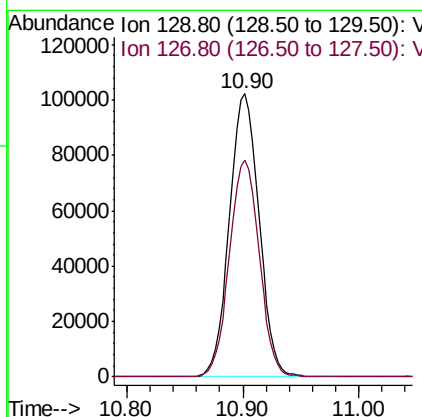
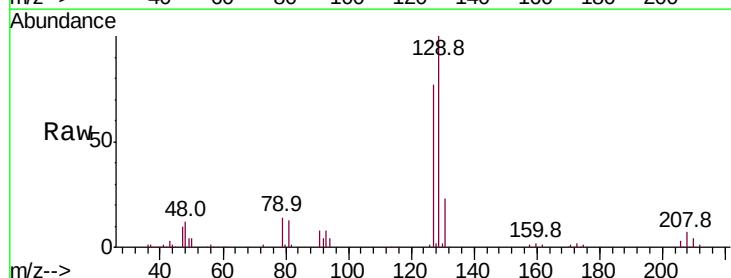
Manual Integrations  
APPROVED

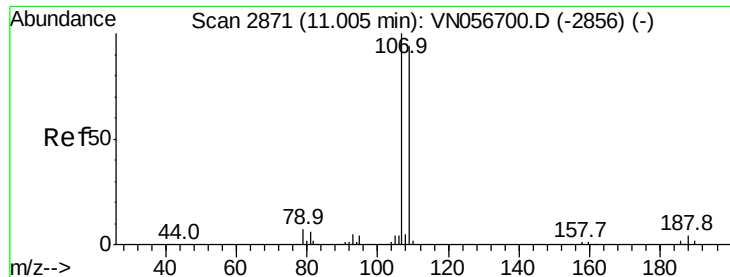
MMDadoda  
7/17/2019 1:31:52 AM



#60  
Dibromochloromethane  
Concen: 50.949 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion   | 129  | Resp  | 181668 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 127       | 77.1 | 38.2  | 114.6  |





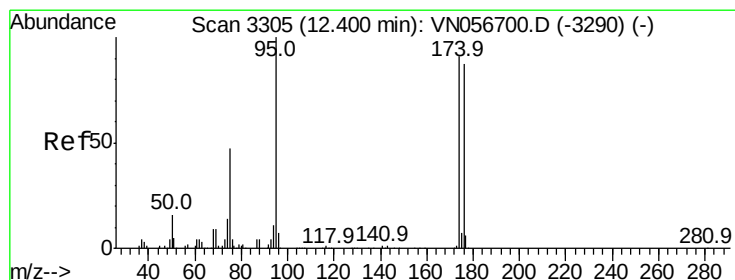
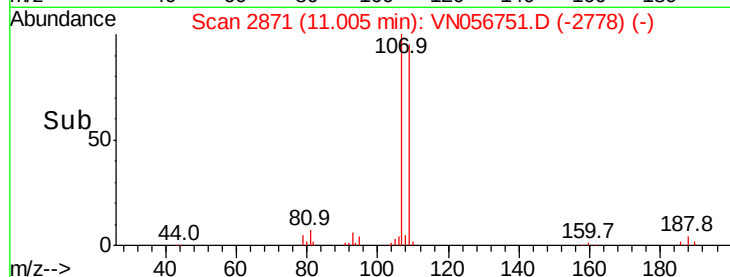
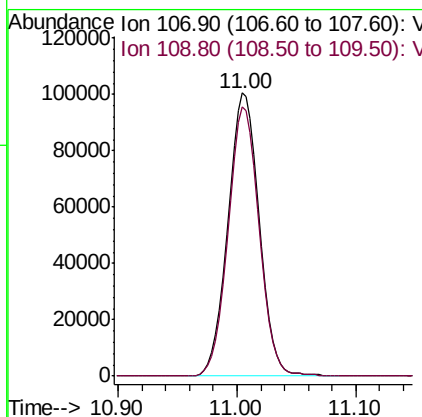
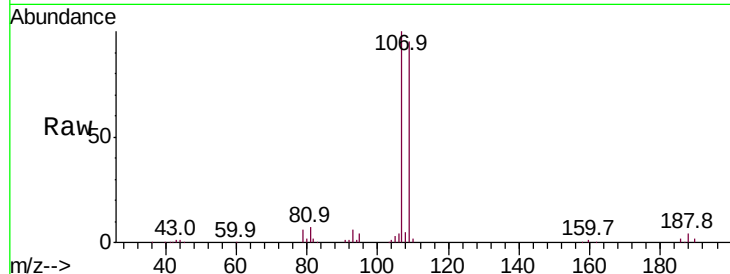
#61  
 1,2-Dibromoethane  
 Concen: 50.783 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.4  | 76.2  | 114.4 |

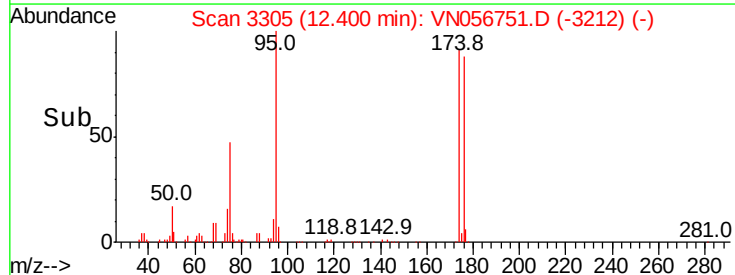
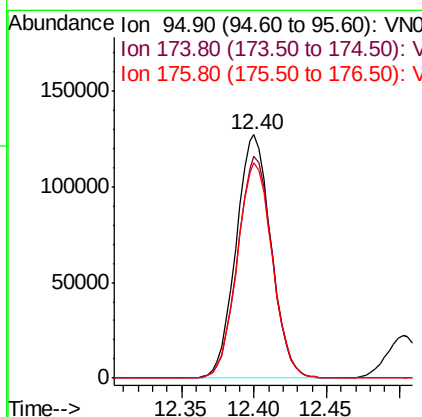
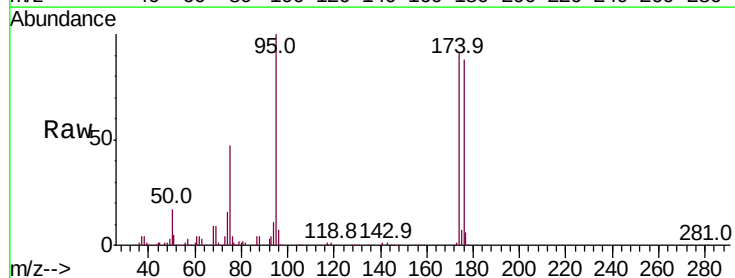
Manual Integrations  
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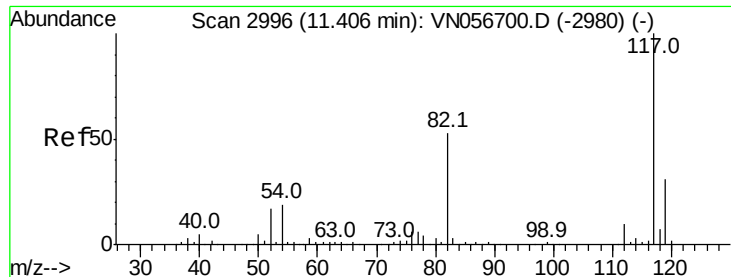
MMDadoda  
 7/17/2019 1:31:52 AM



#62  
 4-Bromofluorobenzene  
 Concen: 51.156 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 90.9  | 0.0   | 180.0 |
| 176     | 88.9  | 0.0   | 173.2 |





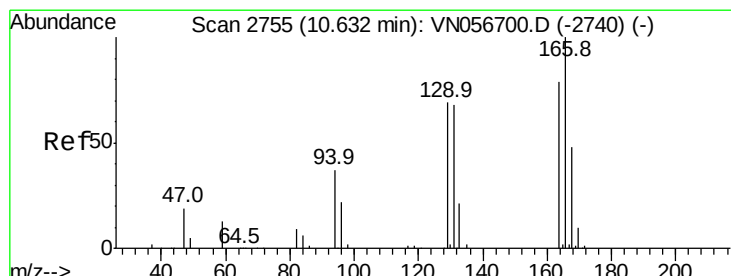
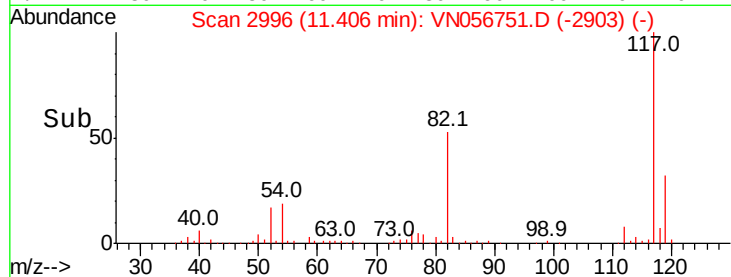
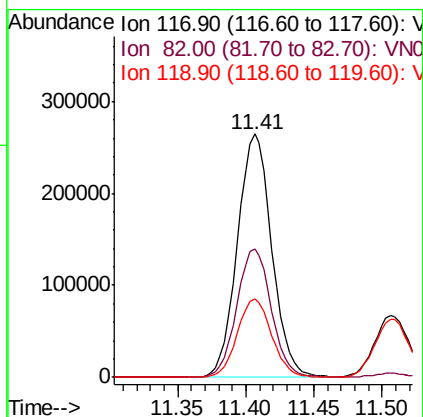
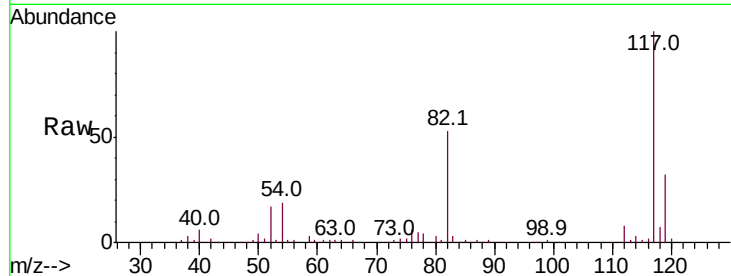
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.8  | 42.2  | 63.2  |
| 119     | 32.0  | 25.2  | 37.8  |

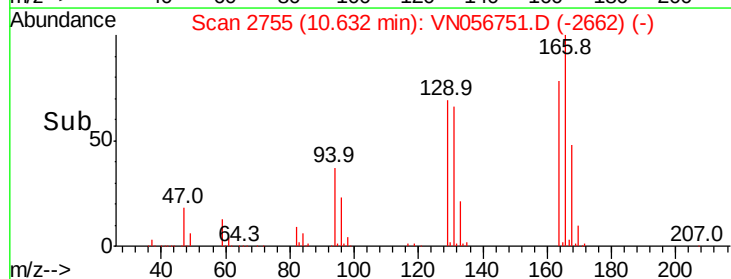
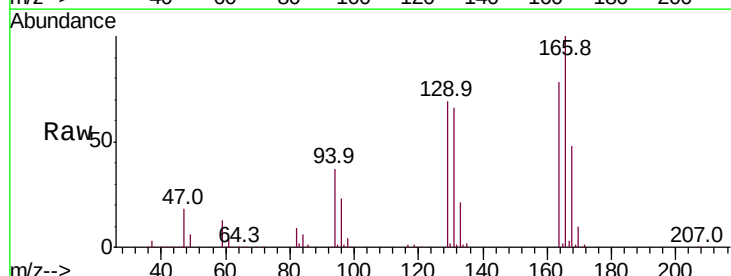
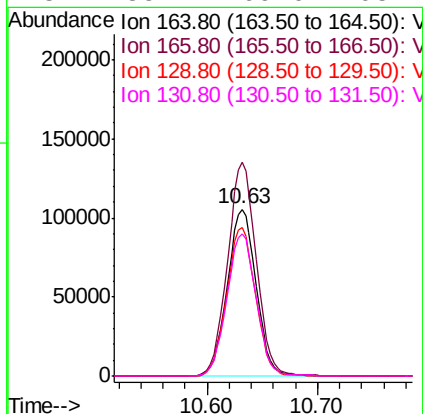
Manual Integrations  
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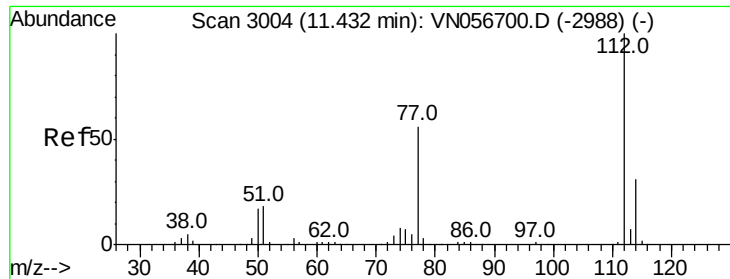
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 47.744 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.3 | 101.4 | 152.2 |
| 129     | 89.0  | 69.6  | 104.4 |
| 131     | 85.1  | 69.0  | 103.4 |





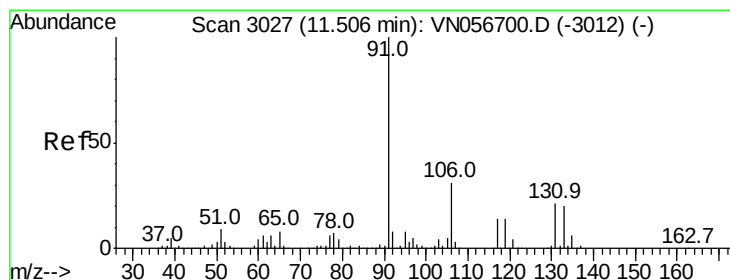
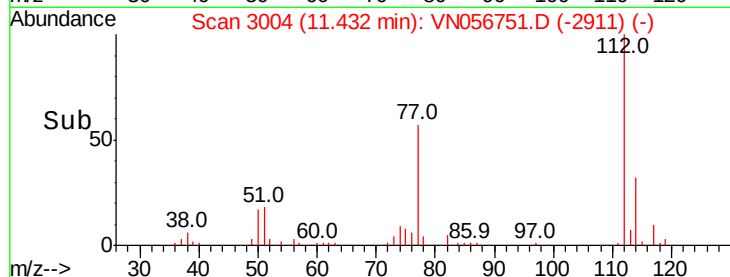
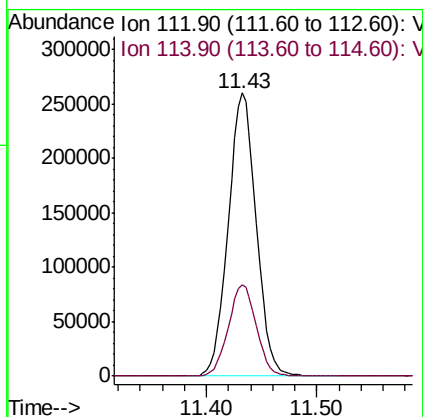
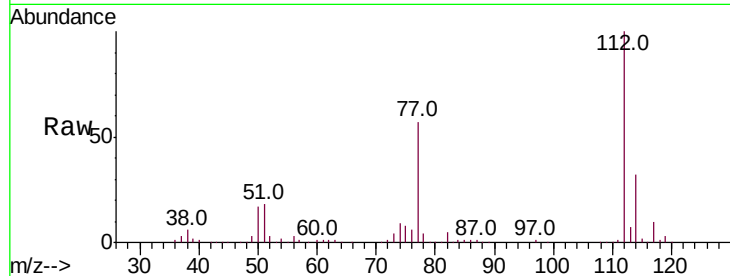
#65  
Chlorobenzene  
Concen: 48.086 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 456318  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.2 37.8

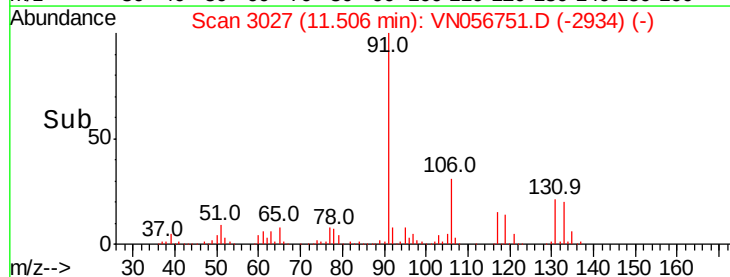
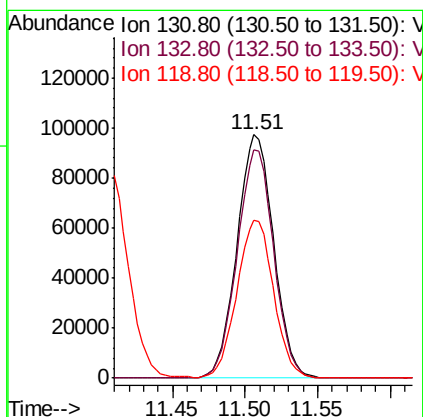
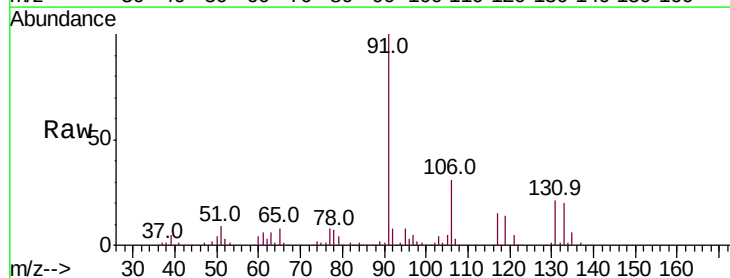
Manual Integrations  
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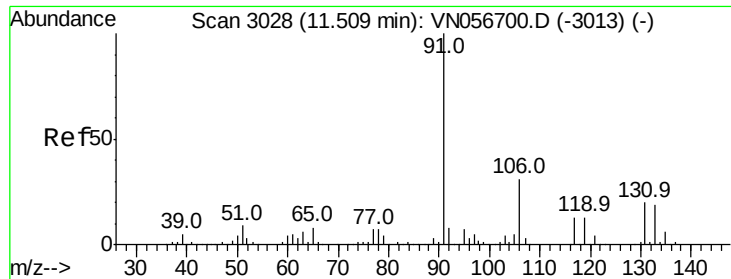
MMDadoda  
7/17/2019 1:31:52 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.963 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Tgt Ion:131 Resp: 171077  
Ion Ratio Lower Upper  
131 100  
133 93.5 46.9 140.7  
119 64.9 32.8 98.3





#67

Ethyl Benzene

Concen: 48.553 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 809728

Ion Ratio Lower Upper

91 100

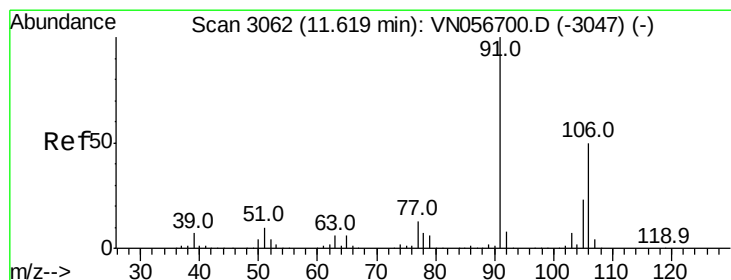
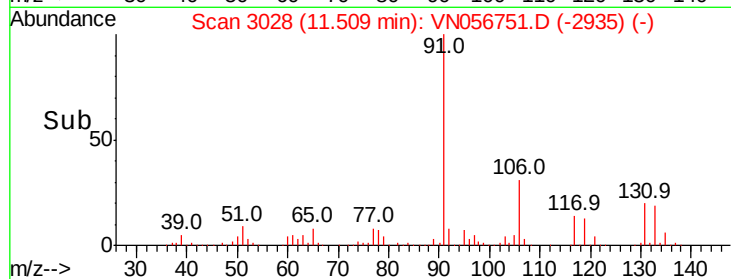
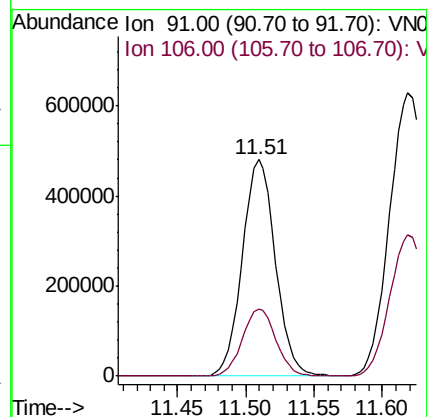
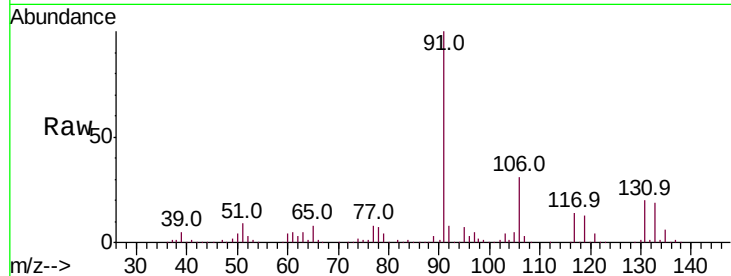
106 31.0 24.8 37.2

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#68

m/p-Xylenes

Concen: 97.192 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN056751.D

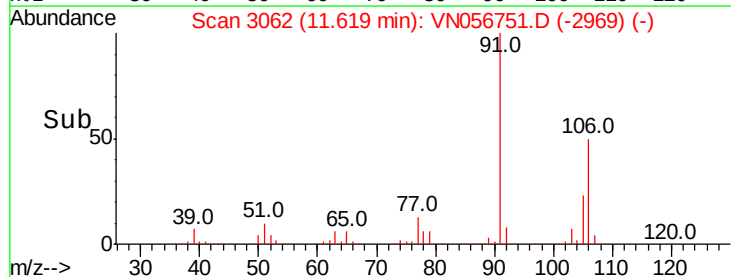
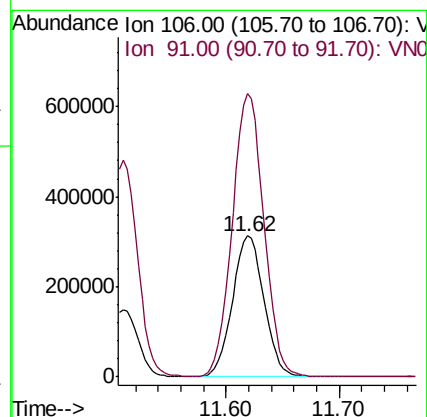
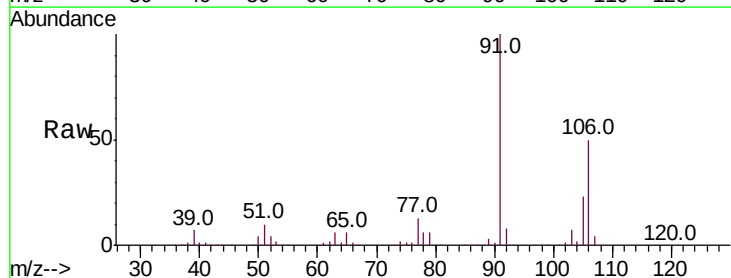
Acq: 16 Jul 2019 7:09

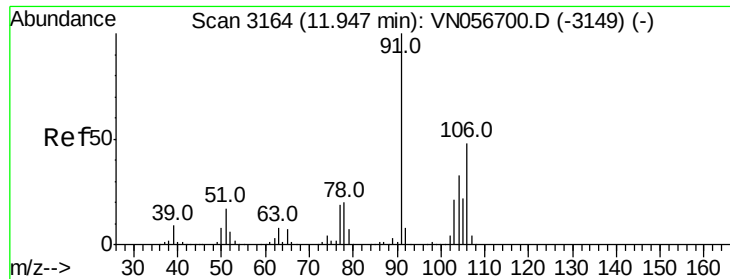
Tgt Ion: 106 Resp: 605767

Ion Ratio Lower Upper

106 100

91 201.6 160.5 240.7





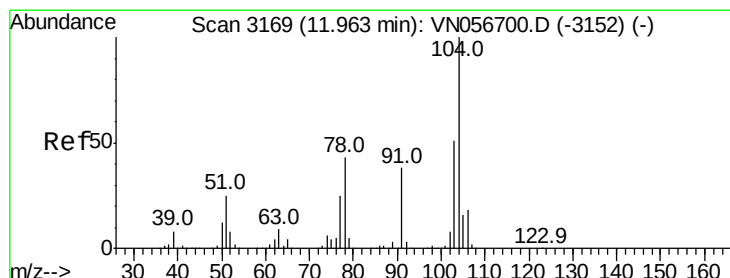
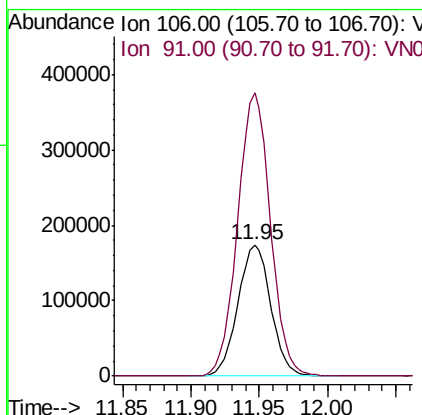
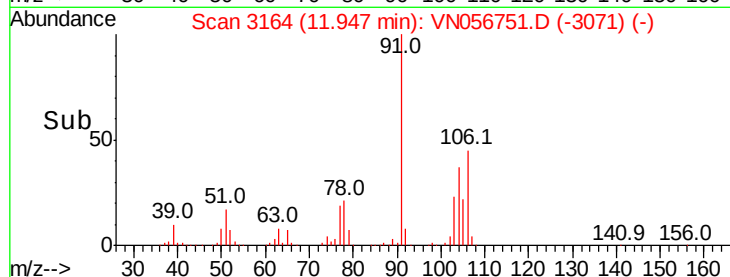
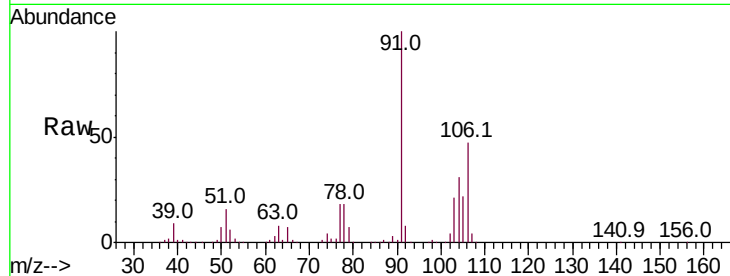
#69  
o-Xylene  
Concen: 47.575 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 291513  
Ion Ratio Lower Upper  
106 100  
91 214.7 105.6 316.8

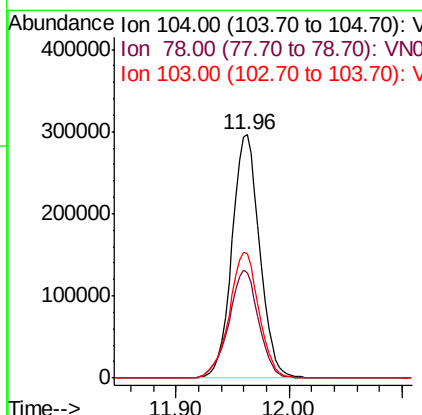
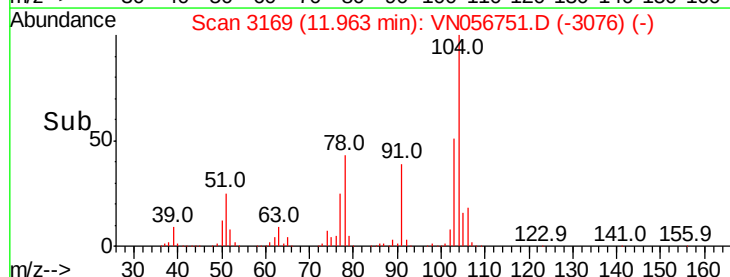
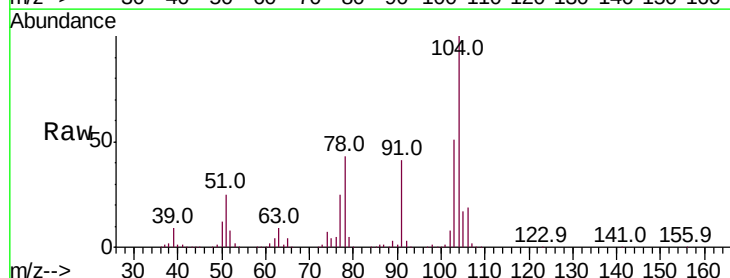
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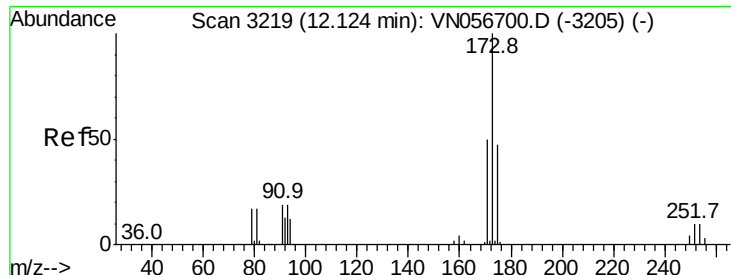


#70  
Styrene  
Concen: 50.961 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Tgt Ion:104 Resp: 504838  
Ion Ratio Lower Upper  
104 100  
78 47.7 38.6 57.8  
103 55.4 44.2 66.4







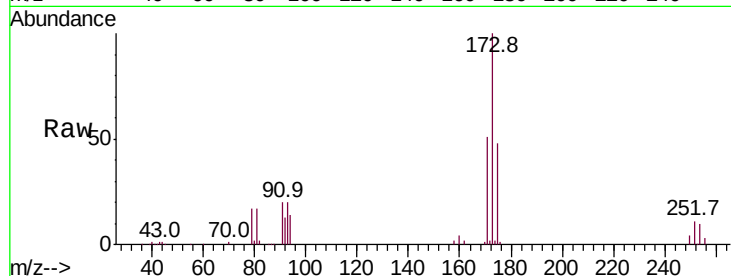
#71  
Bromoform  
Concen: 51.179 ug/l  
RT: 12.12 min Scan# 3219  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.1  | 23.8  | 71.4  |
| 254     | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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MMDadoda  
7/17/2019 1:31:52 AM

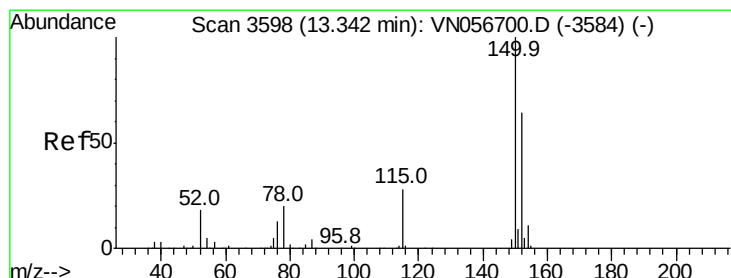
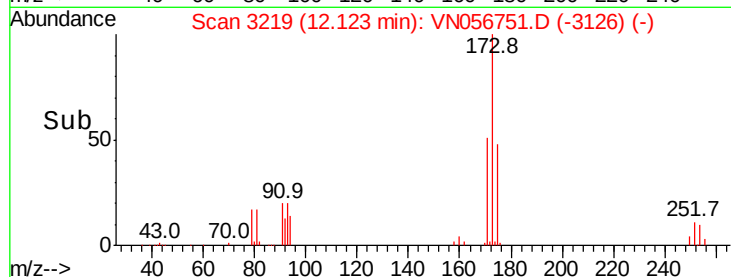
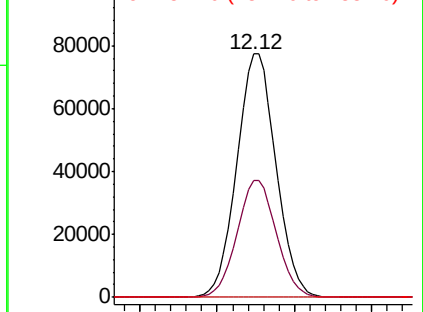


Abundance

Ion 172.70 (172.40 to 173.40): V

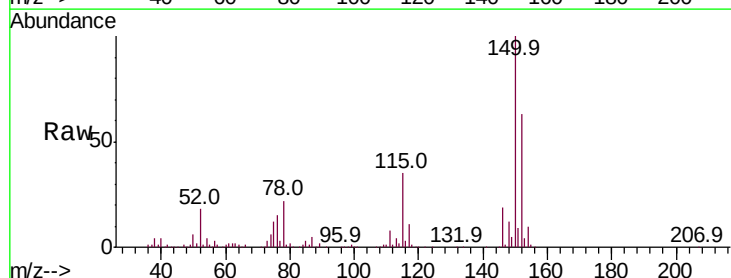
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.4  | 28.2  | 84.7  |
| 150     | 174.5 | 0.0   | 345.8 |

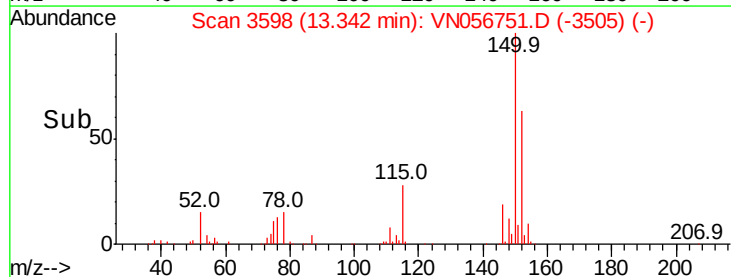
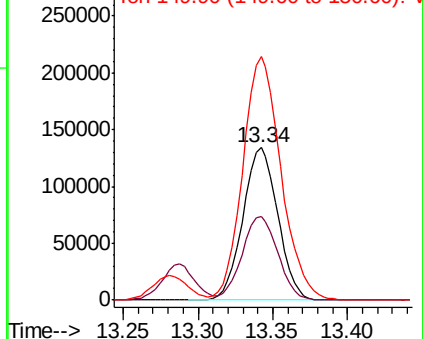


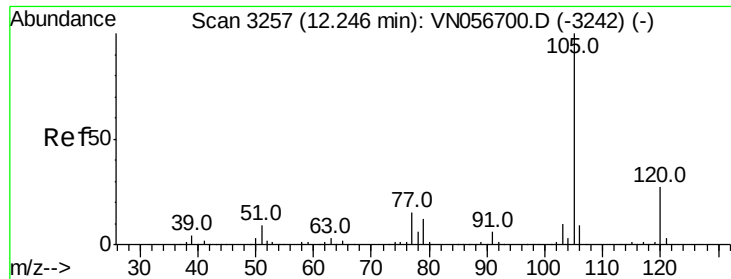
Abundance

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: 43.897 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 771696

Ion Ratio Lower Upper

105 100

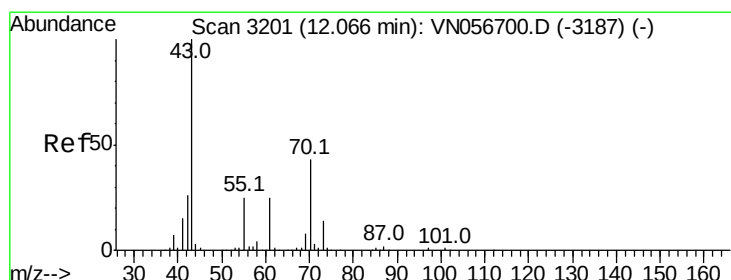
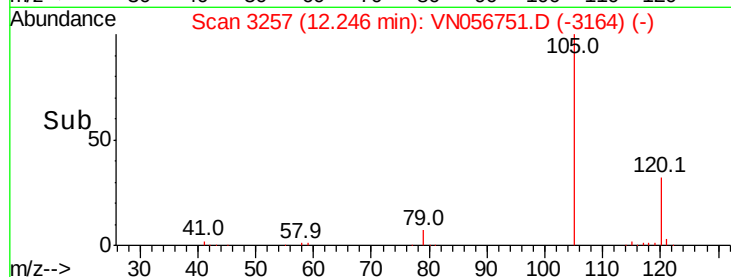
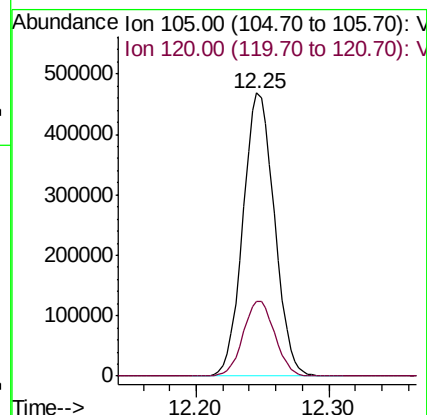
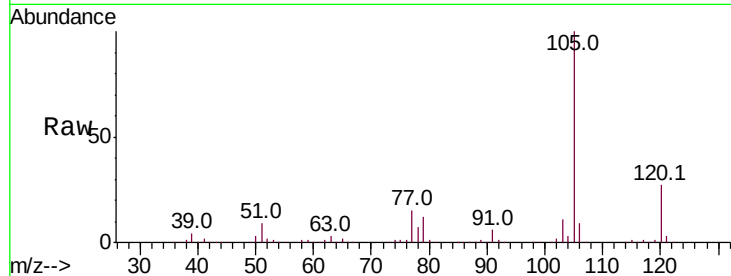
120 26.6 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.217 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Tgt Ion: 43 Resp: 296041

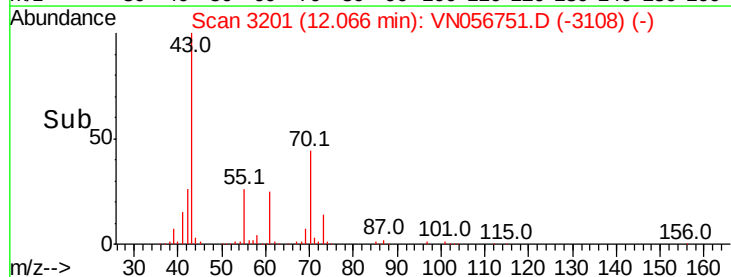
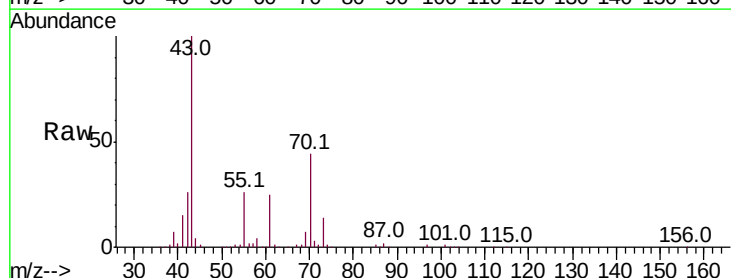
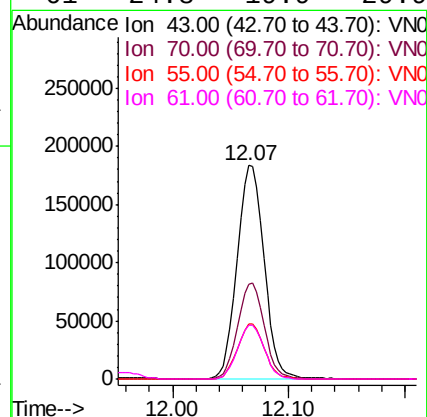
Ion Ratio Lower Upper

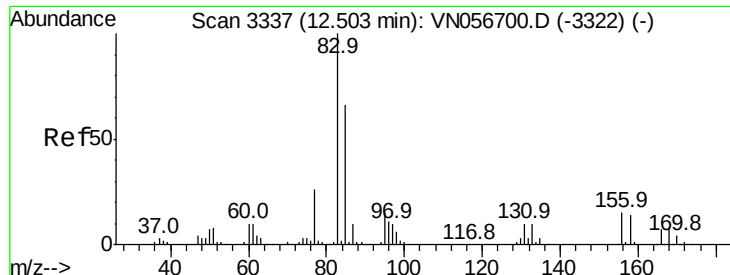
43 100

70 43.9 34.5 51.7

55 25.6 20.2 30.2

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.700 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 248172

Ion Ratio Lower Upper

83 100

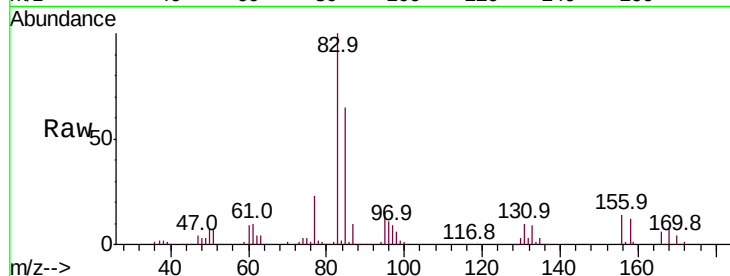
131 10.5 5.3 15.8

85 64.5 32.6 97.8

Manual Integrations  
APPROVED

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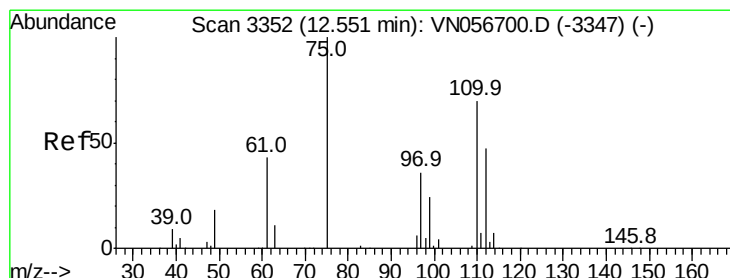
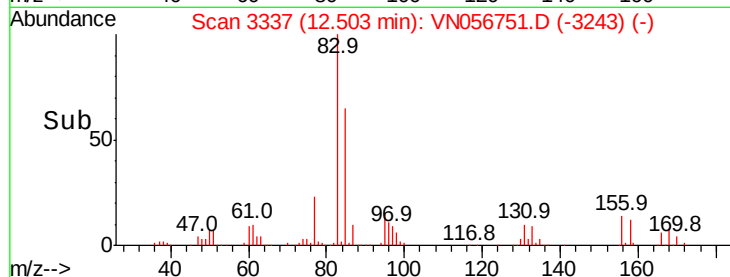
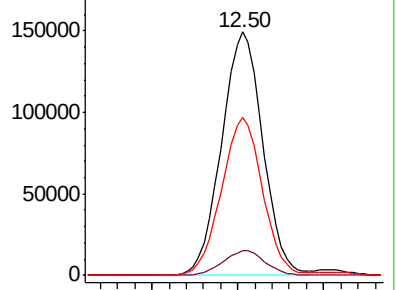
7/17/2019 1:31:52 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 45.103 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056751.D

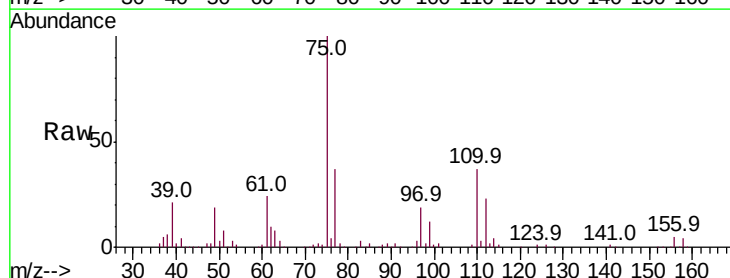
Acq: 16 Jul 2019 7:09

Tgt Ion: 75 Resp: 215078

Ion Ratio Lower Upper

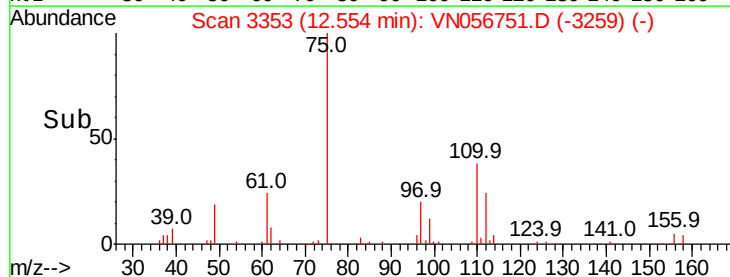
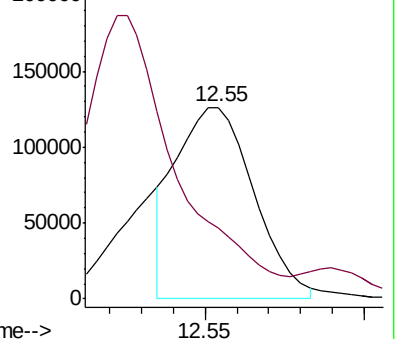
75 100

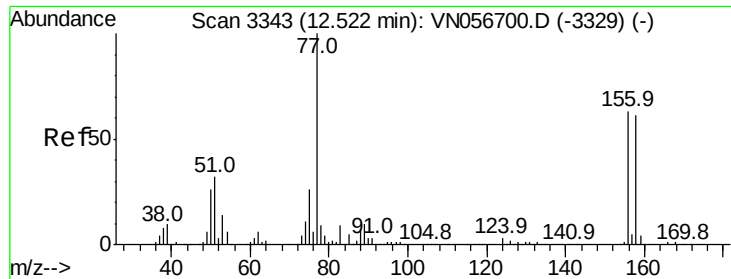
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.303 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 212909

Ion Ratio Lower Upper

156 100

77 184.5 97.2 291.6

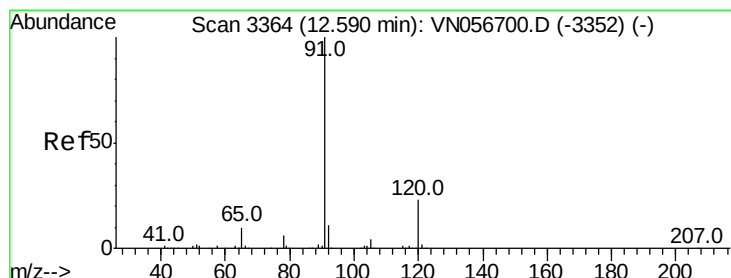
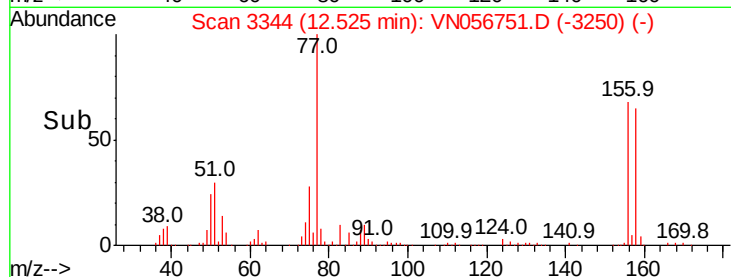
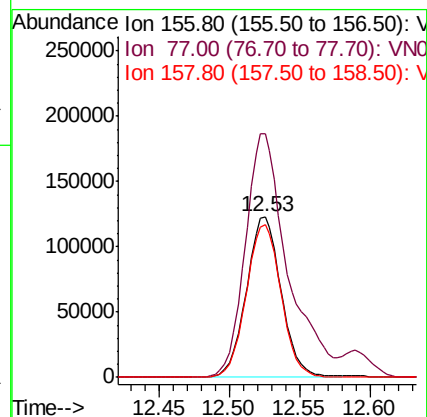
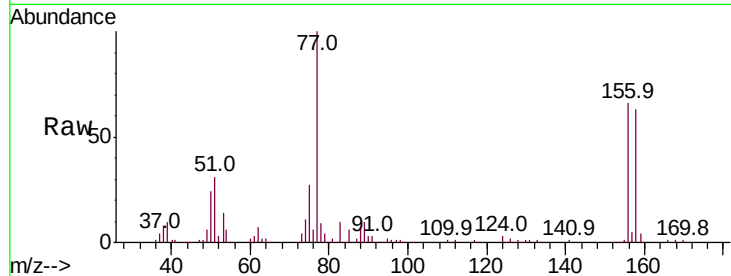
158 94.8 48.9 146.8

Manual Integrations

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#78

n-propylbenzene

Concen: 44.413 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056751.D

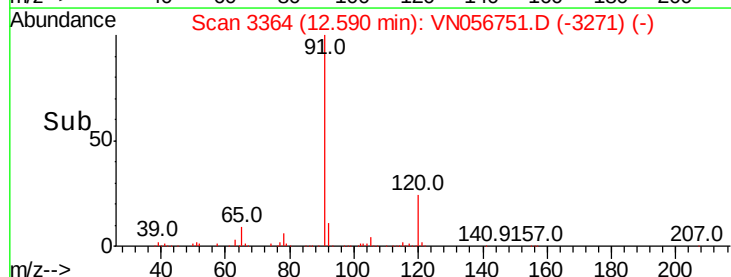
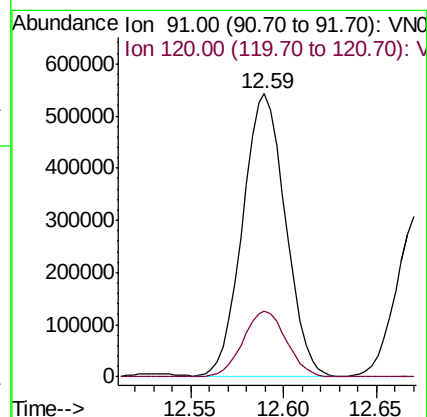
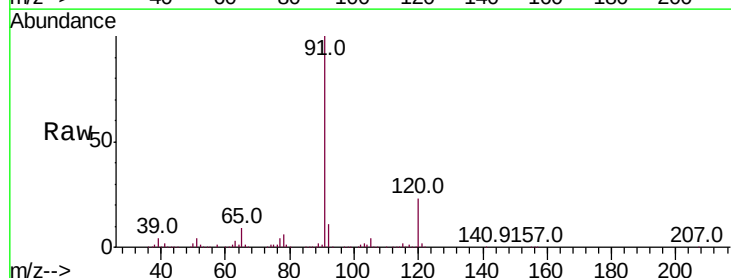
Acq: 16 Jul 2019 7:09

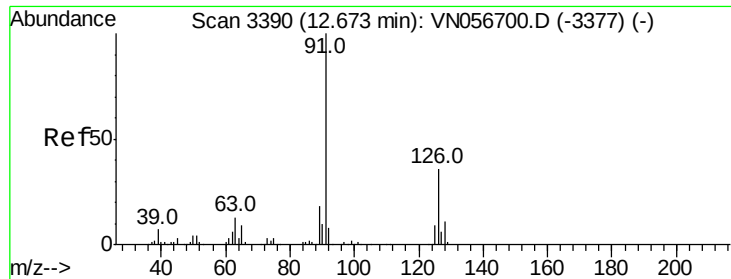
Tgt Ion: 91 Resp: 866791

Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.3





#79

2-Chlorotoluene

Concen: 48.391 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 522466

Ion Ratio Lower Upper

91 100

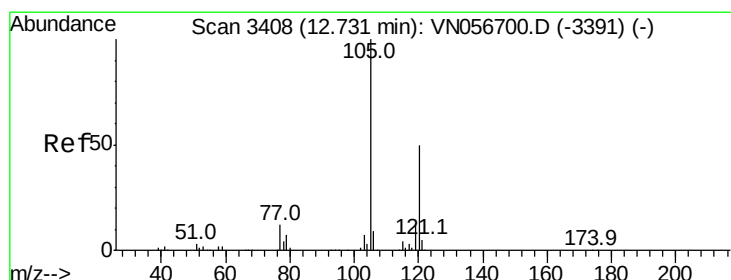
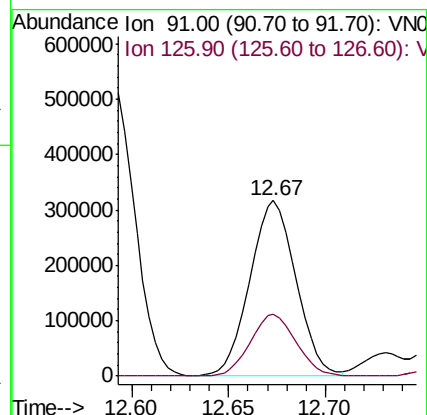
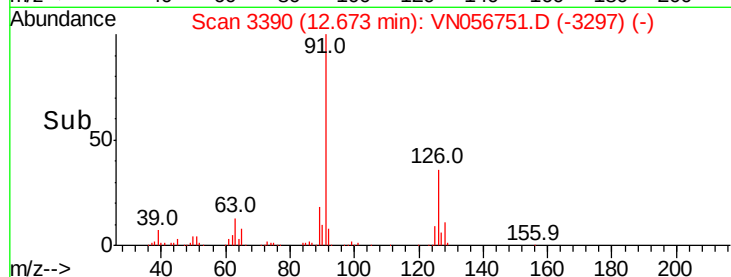
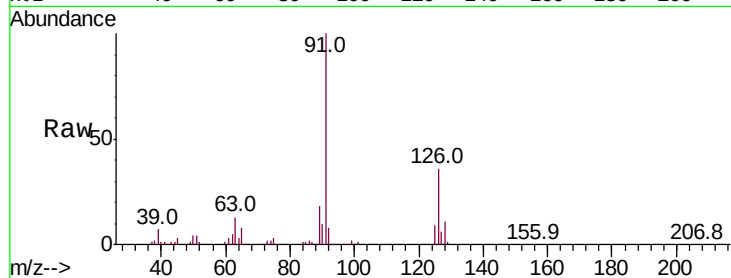
126 35.4 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 43.754 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056751.D

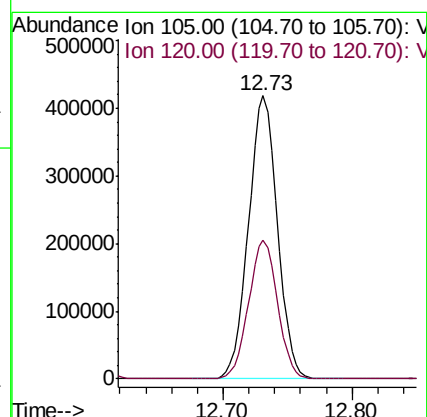
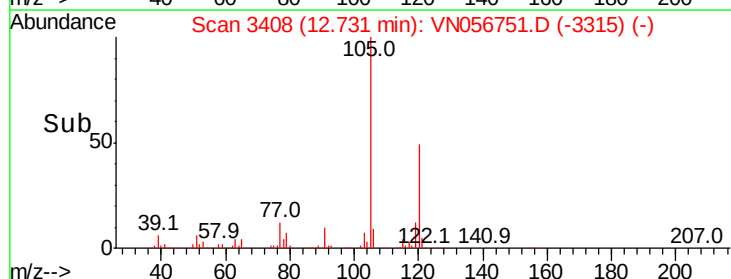
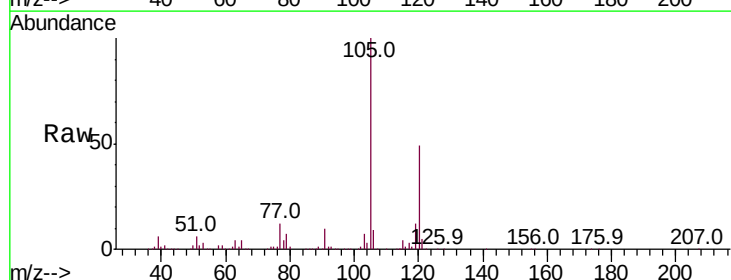
Acq: 16 Jul 2019 7:09

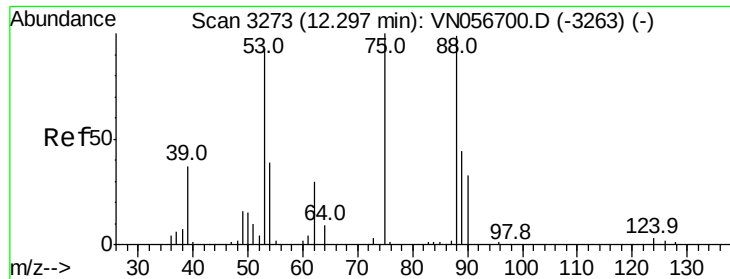
Tgt Ion: 105 Resp: 651922

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 41.504 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 64085

Ion Ratio Lower Upper

75 100

53 89.8 73.7 110.5

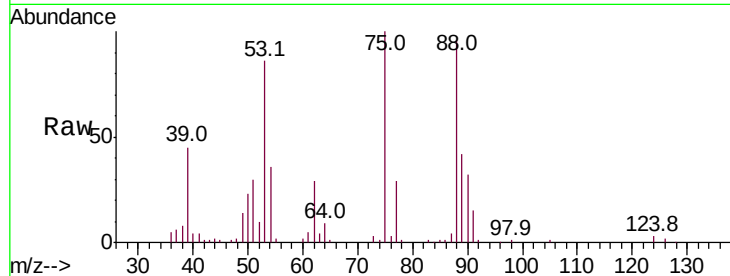
89 43.4 36.2 54.2

Manual Integrations

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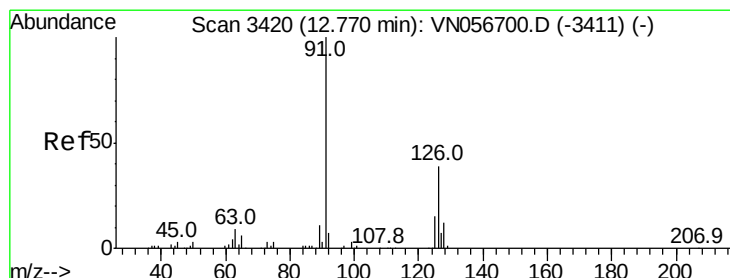
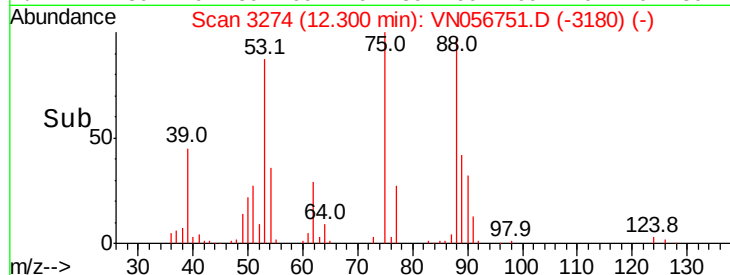
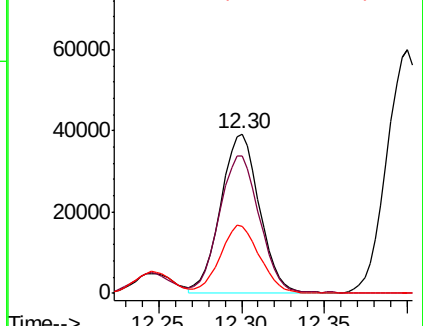
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Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 45.337 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056751.D

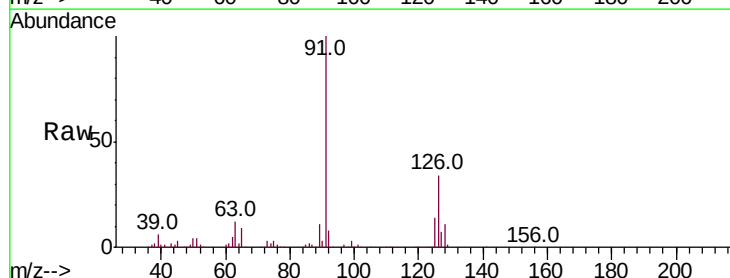
Acq: 16 Jul 2019 7:09

Tgt Ion: 91 Resp: 519258

Ion Ratio Lower Upper

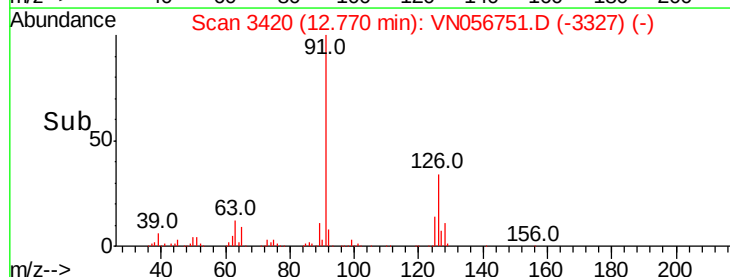
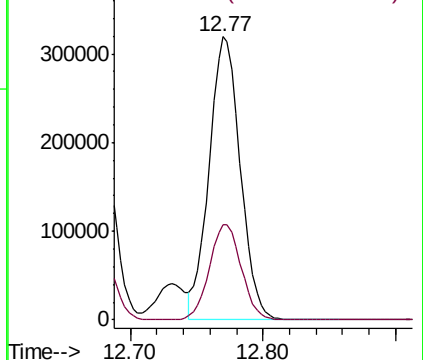
91 100

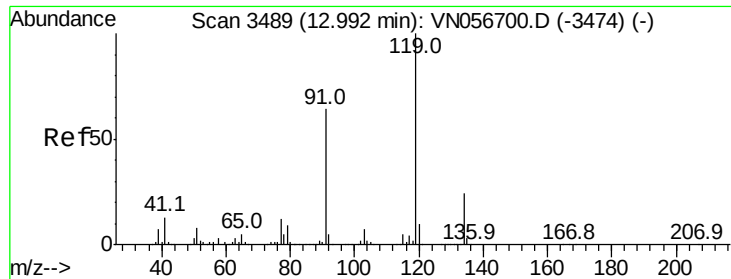
126 34.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): V





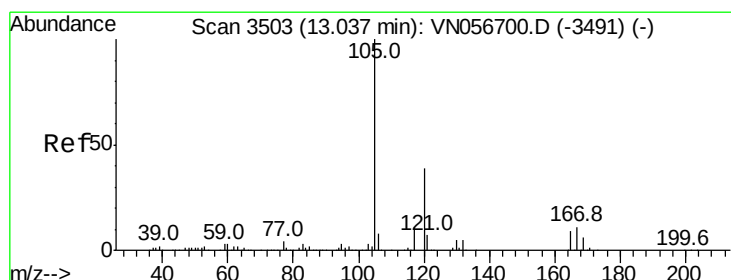
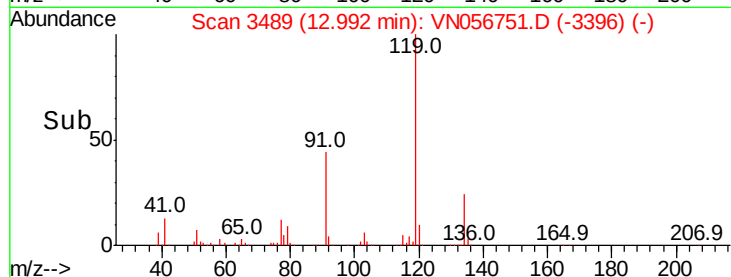
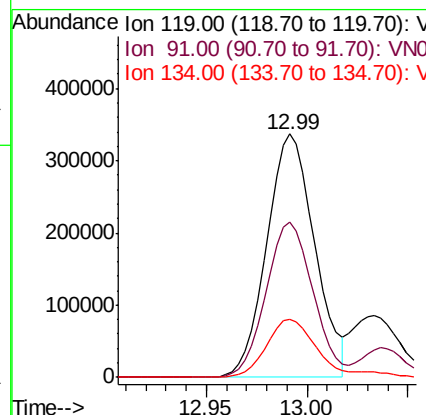
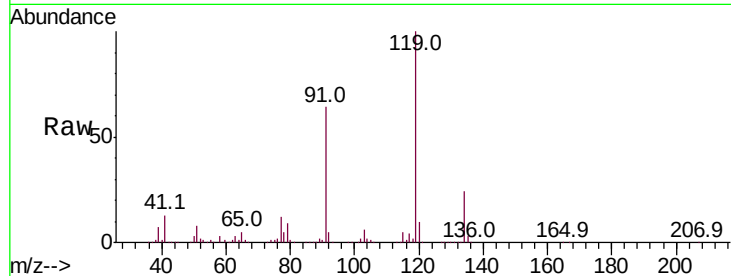
#83  
tert-Butylbenzene  
Concen: 47.990 ug/l  
RT: 12.99 min Scan# 3489  
Delta R.T. 0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.7  | 31.8  | 95.4  |
| 134     | 25.9  | 13.0  | 38.9  |

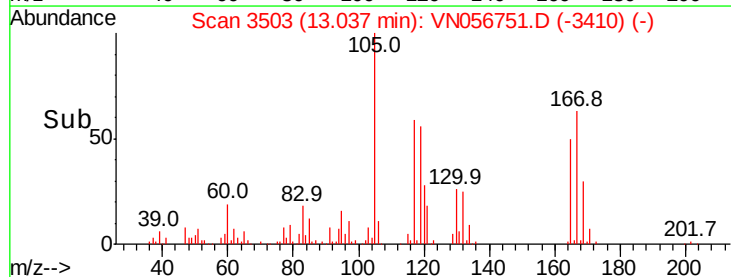
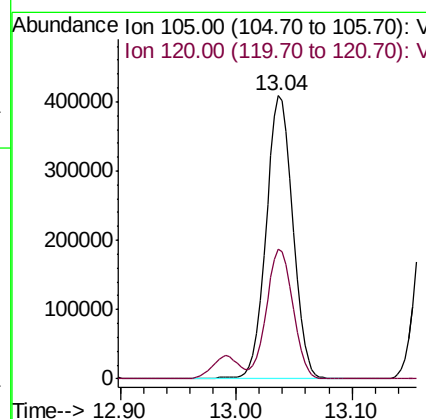
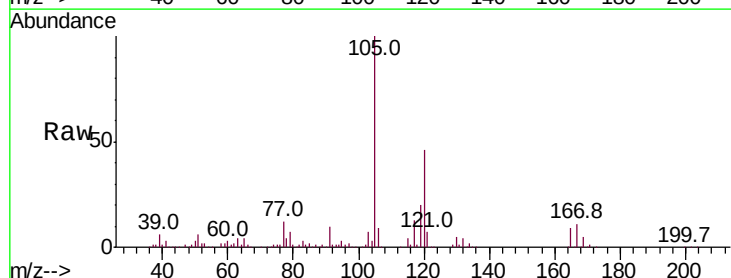
Manual Integrations  
APPROVED

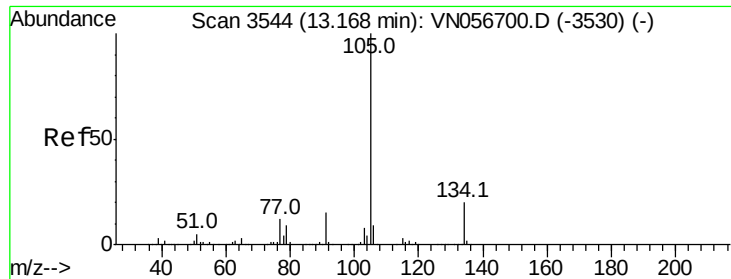
MMDadoda  
7/17/2019 1:31:52 AM



#84  
1,2,4-Trimethylbenzene  
Concen: 44.941 ug/l  
RT: 13.04 min Scan# 3503  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.4  | 22.9  | 68.8  |





#85

sec-Butylbenzene

Concen: 44.701 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 740080

Ion Ratio Lower Upper

105 100

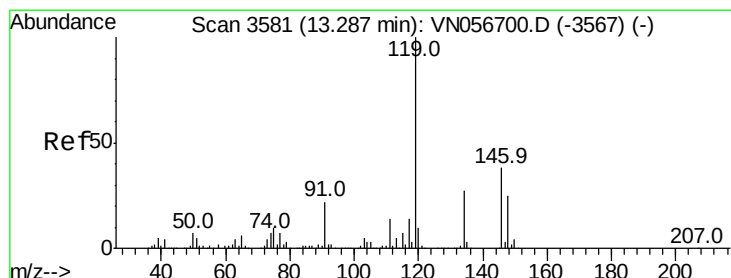
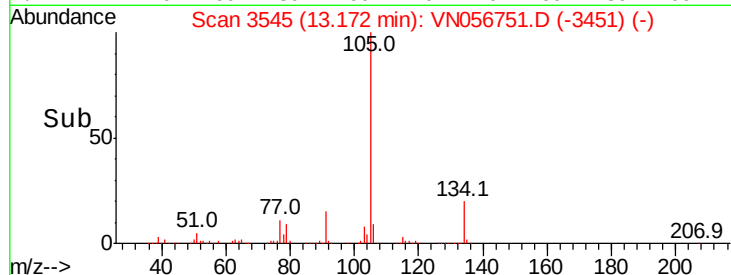
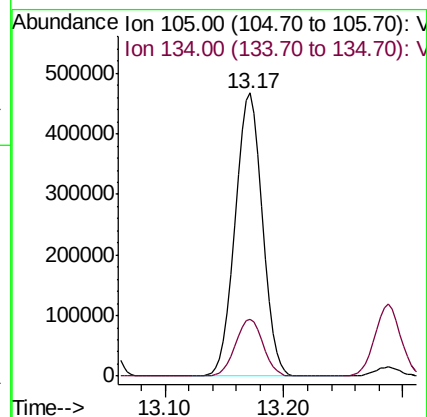
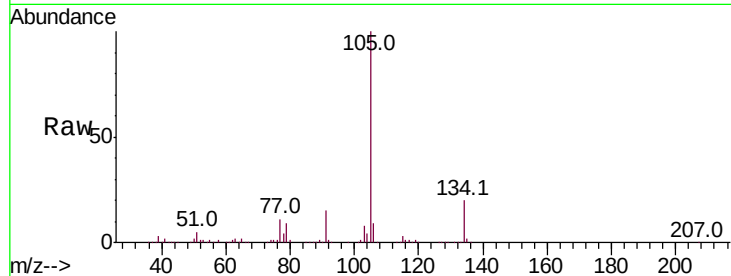
134 20.3 10.1 30.1

Manual Integrations

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7/17/2019 1:31:52 AM



#86

p-Isopropyltoluene

Concen: 44.505 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

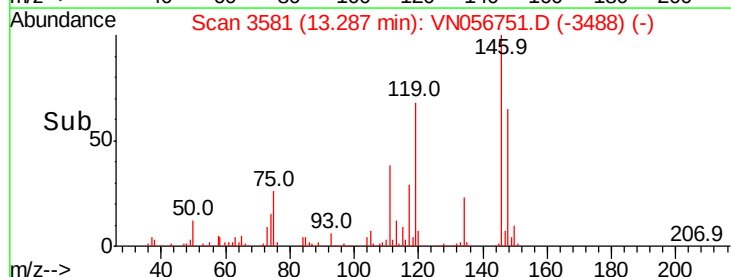
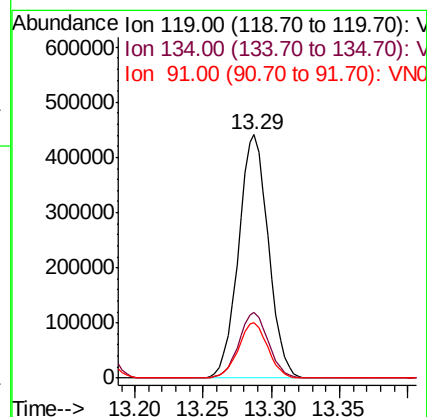
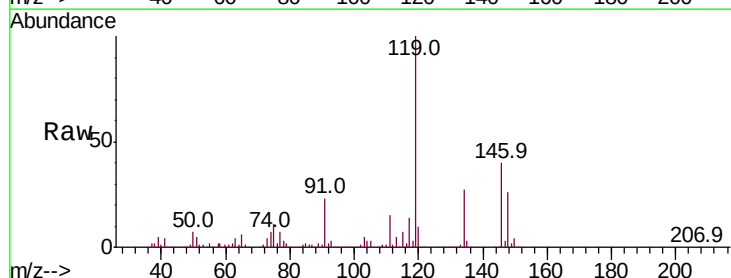
Tgt Ion:119 Resp: 667500

Ion Ratio Lower Upper

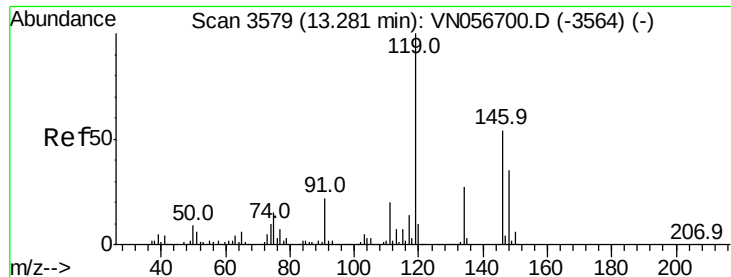
119 100

134 26.8 13.6 40.7

91 22.4 11.2 33.5







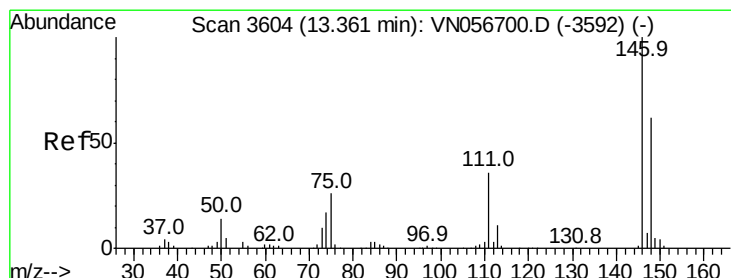
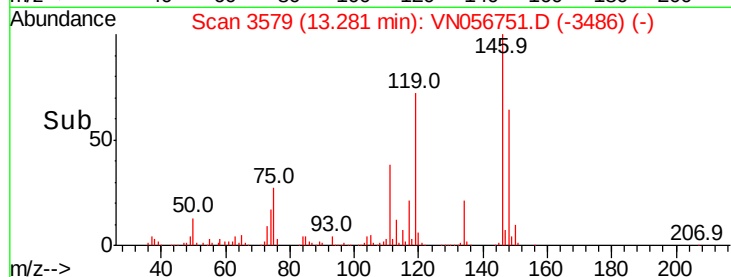
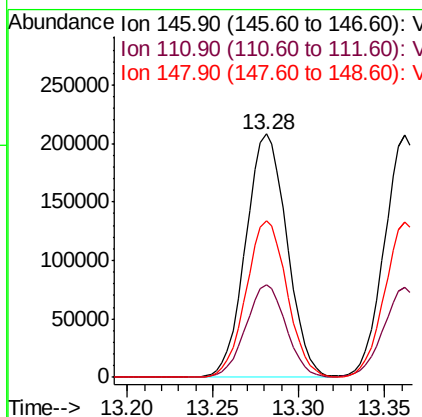
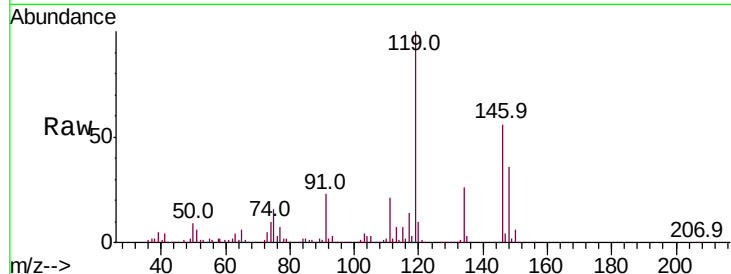
#87  
 1,3-Dichlorobenzene  
 Concen: 45.913 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.2  | 18.8  | 56.3  |
| 148     | 63.9  | 32.3  | 96.8  |

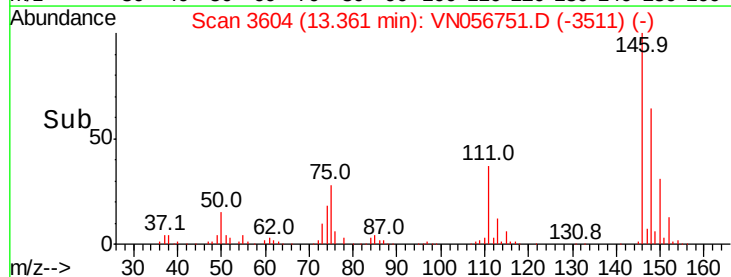
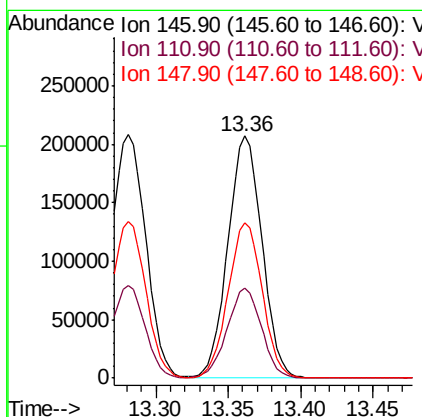
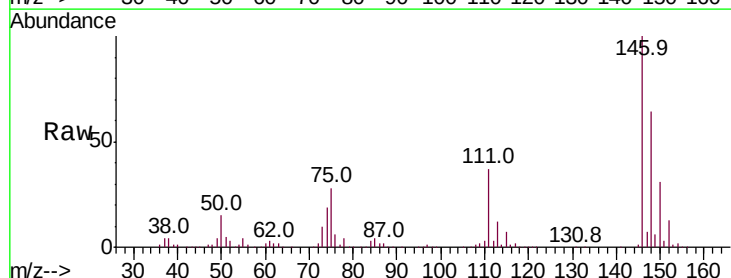
Manual Integrations  
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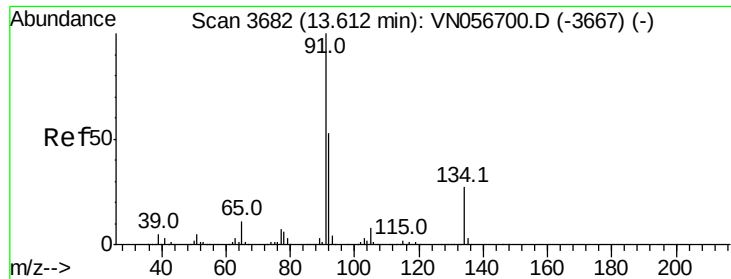
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 46.181 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.6  | 55.8  |
| 148     | 64.2  | 31.9  | 95.7  |





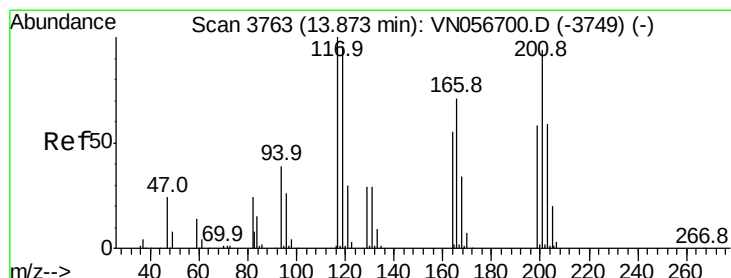
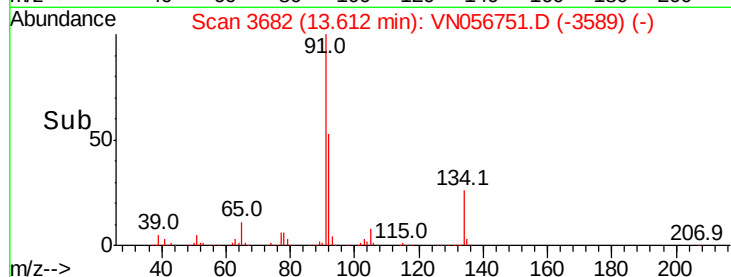
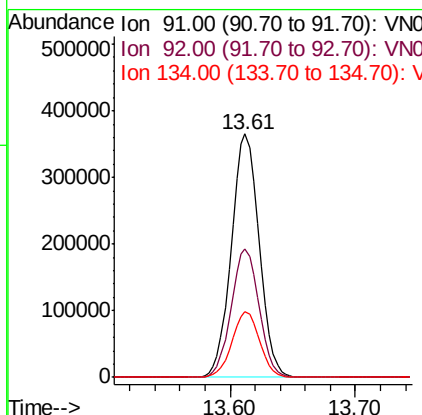
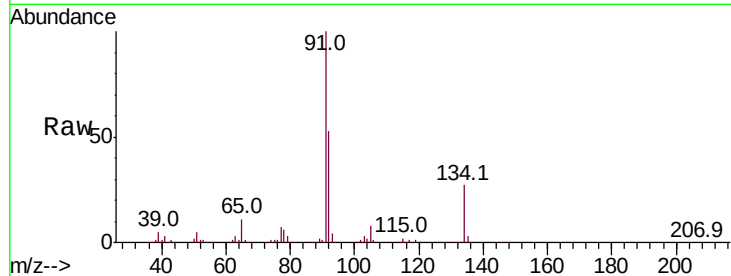
#89  
n-Butylbenzene  
Concen: 46.416 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.7  | 26.0  | 78.0  |
| 134     | 26.8  | 13.4  | 40.2  |

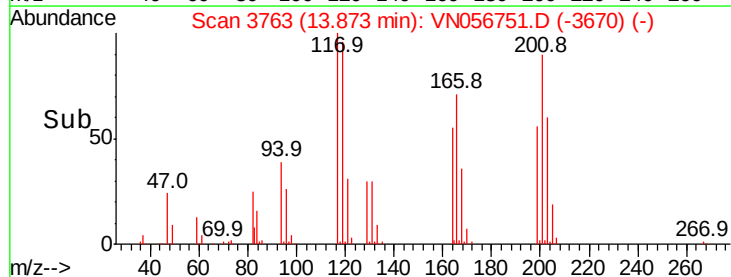
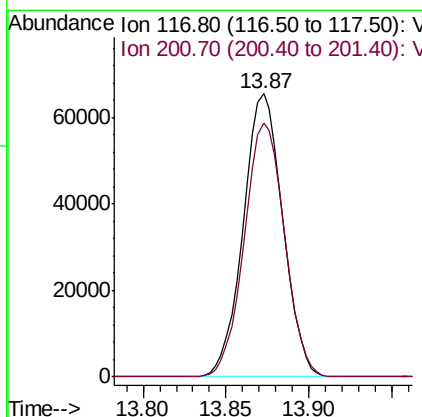
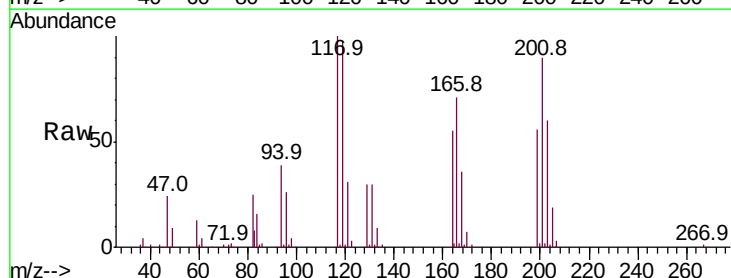
Manual Integrations  
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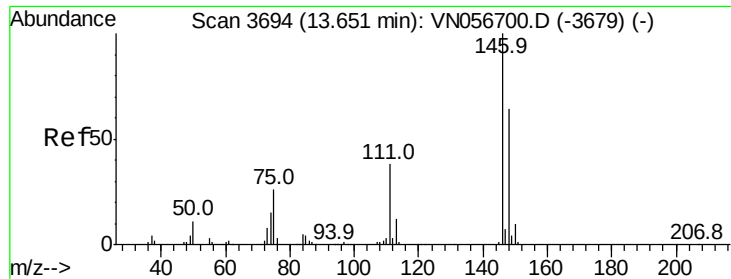
MMDadoda  
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#90  
Hexachloroethane  
Concen: 44.907 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN056751.D  
Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 91.3  | 46.5  | 139.5 |





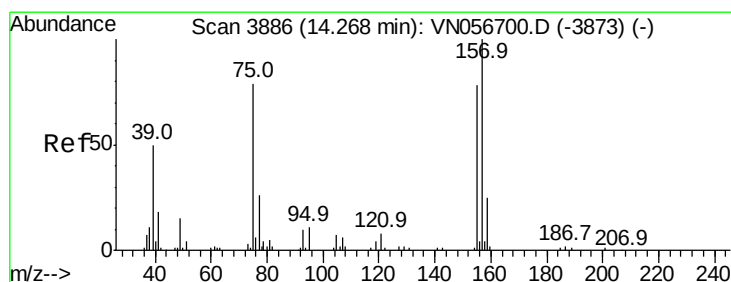
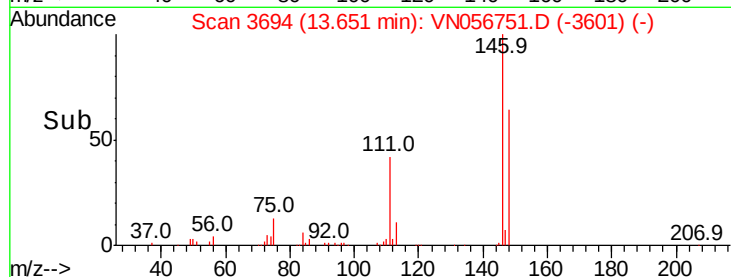
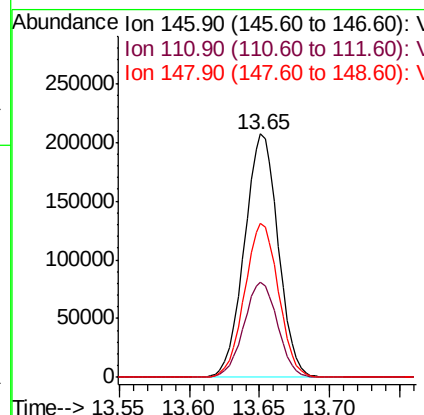
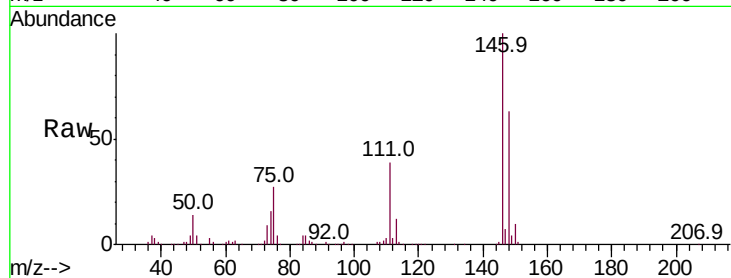
#91  
 1,2-Dichlorobenzene  
 Concen: 45.067 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.0  | 19.1  | 57.1  |
| 148     | 63.4  | 31.7  | 95.1  |

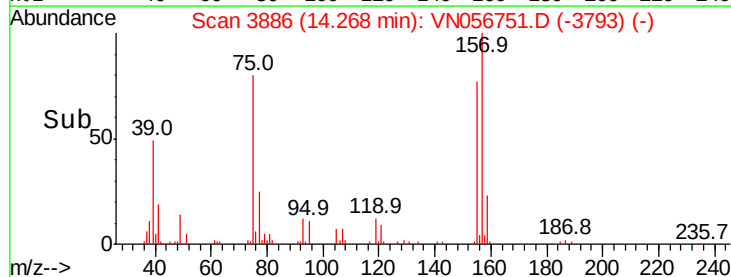
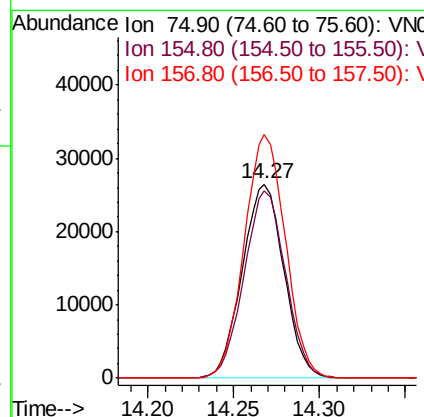
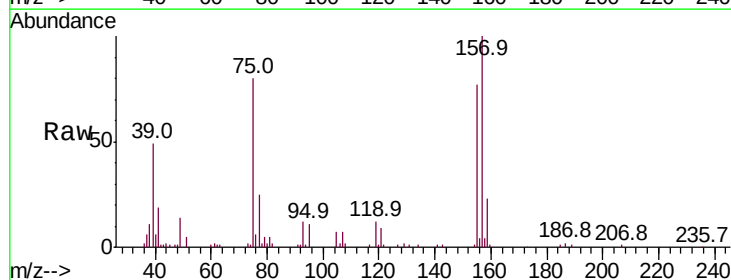
Manual Integrations  
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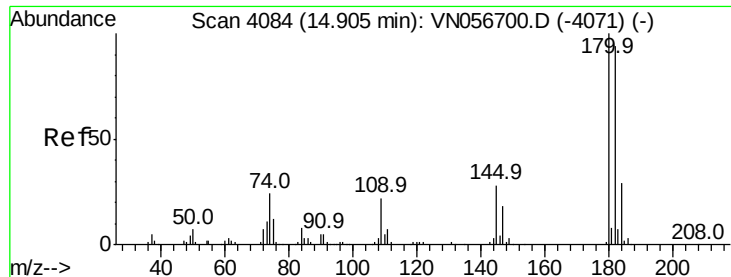
MMDadoda  
 7/17/2019 1:31:52 AM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 47.258 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. -0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.0  | 49.3  | 147.9 |
| 157     | 123.7 | 62.4  | 187.1 |





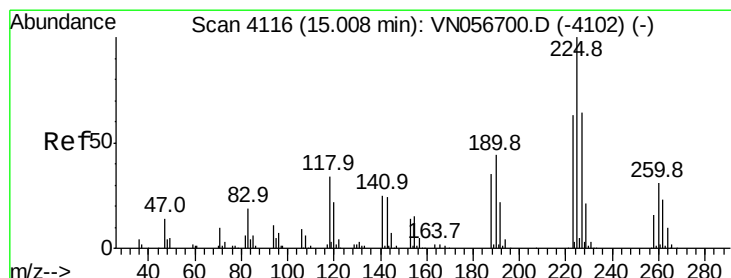
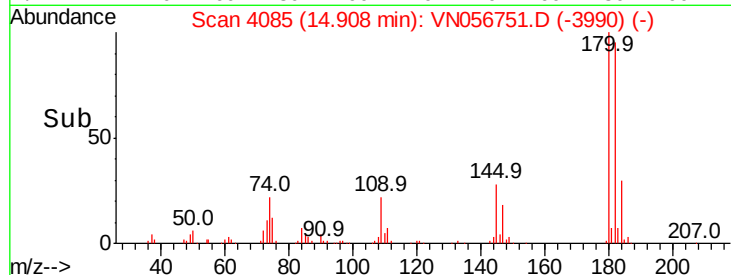
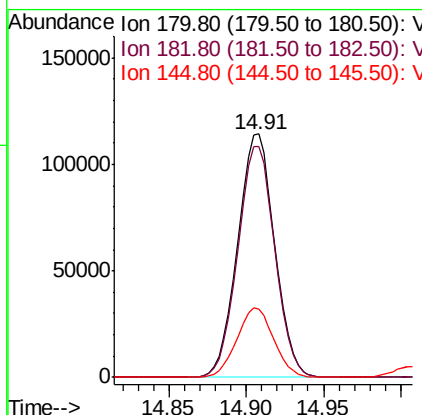
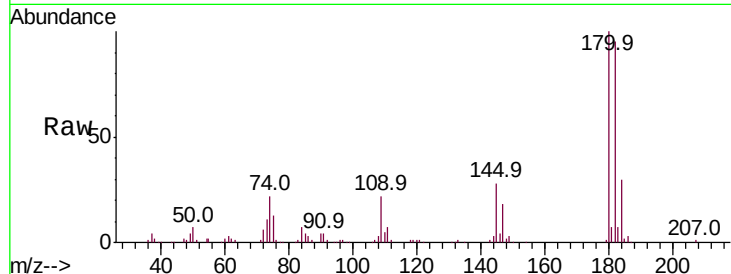
#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.925 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 95.2  | 47.2 | 141.6 |       |
| 145     | 28.3  | 14.2 | 42.8  |       |

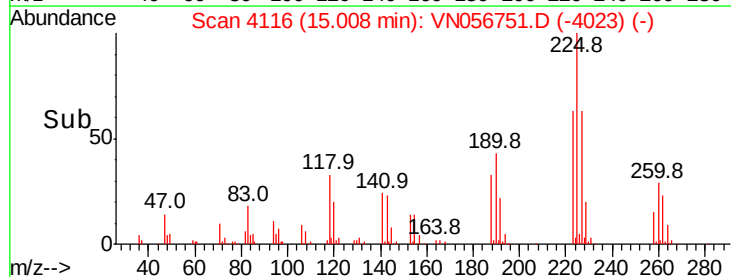
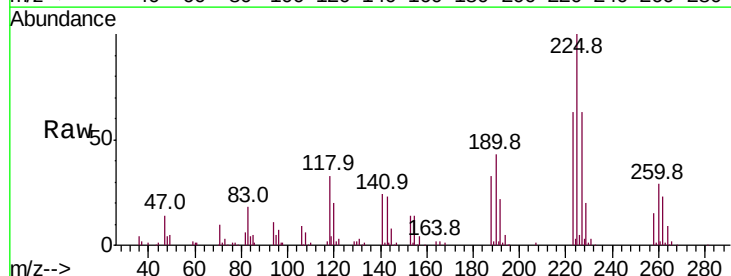
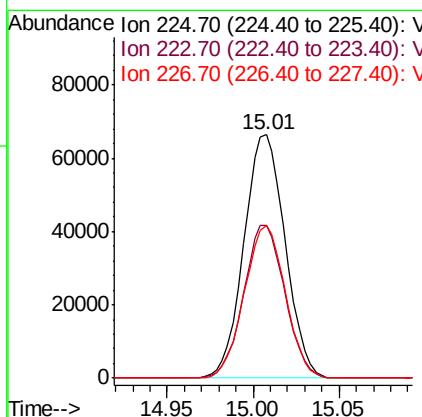
Manual Integrations  
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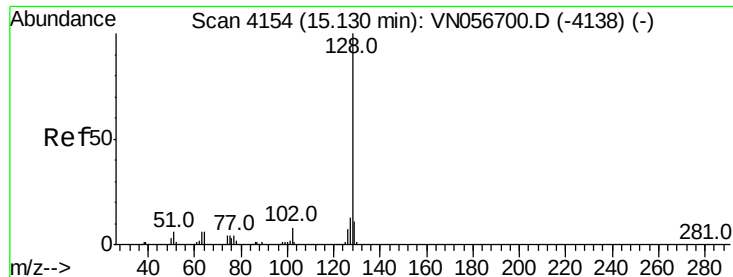
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 45.445 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN056751.D  
 Acq: 16 Jul 2019 7:09

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.8  | 31.5 | 94.5  |       |
| 227     | 62.3  | 32.0 | 96.2  |       |





#95

Naphthalene

Concen: 44.207 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

Instrument :

MSVOA\_N

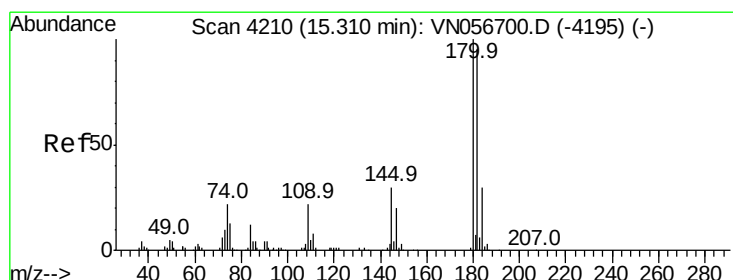
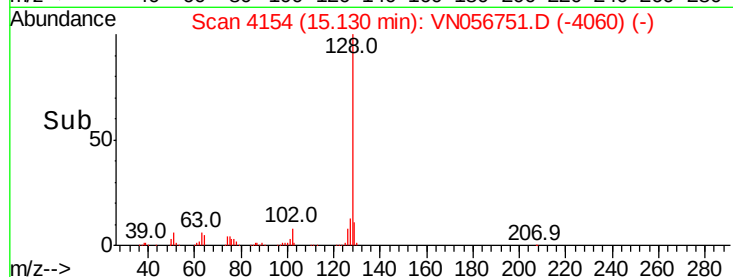
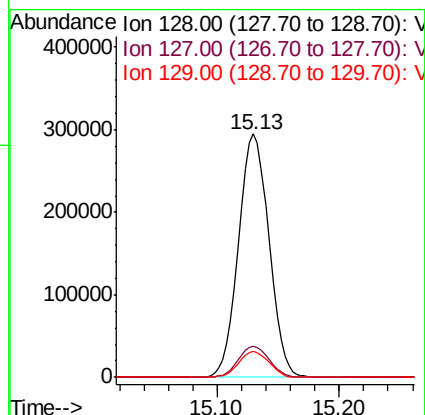
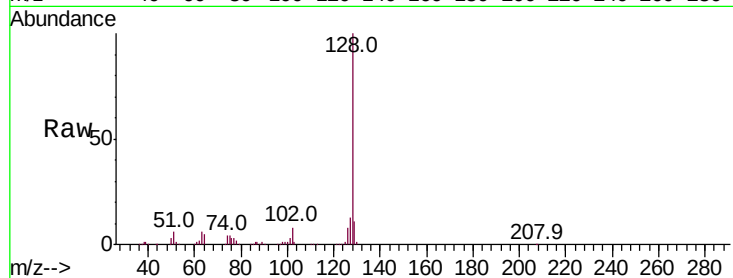
ClientSampleId :

VSTDCCC050EC

|             |       |        |
|-------------|-------|--------|
| Tot Ion:128 | Resp: | 509669 |
| Ion Ratio   | Lower | Upper  |
| 128 100     |       |        |
| 127 13.0    | 10.3  | 15.5   |
| 129 10.6    | 8.7   | 13.1   |

Manual Integrations  
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7/17/2019 1:31:52 AM



#96

1,2,3-Trichlorobenzene

Concen: 44.996 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056751.D

Acq: 16 Jul 2019 7:09

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:180 | Resp: | 188709 |
| Ion Ratio   | Lower | Upper  |
| 180 100     |       |        |
| 182 96.0    | 47.1  | 141.3  |
| 145 30.4    | 15.0  | 45.1   |

