

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\  
 Data File : VN055633.D  
 Acq On : 18 May 2019 00:14  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/20/2019 9:09:26 AM

Quant Time: May 18 04:29:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 23:54:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 338548   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 517579   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 449866   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 206061   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 184165   | 49.62 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.24%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 165905   | 50.46 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.92% |      |
| 50) Toluene-d8            | 10.09  | 98  | 618552   | 49.75 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.50%  |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 213389   | 49.71 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.42%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 117114  | 44.961  | ug/l | 98     |
| 3) Chloromethane              | 2.06 | 50  | 152844  | 43.992  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 176901  | 47.021  | ug/l | 98     |
| 5) Bromomethane               | 2.56 | 94  | 116591  | 48.627  | ug/l | 97     |
| 6) Chloroethane               | 2.71 | 64  | 100815  | 48.262  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.03 | 101 | 231436  | 48.004  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 94815   | 48.956  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 138864  | 47.246  | ug/l | 99     |
| 10) Methyl Iodide             | 3.96 | 142 | 202985  | 47.904  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.77 | 59  | 180268  | 260.477 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 145692  | 47.122  | ug/l | 100    |
| 13) Acrolein                  | 3.61 | 56  | 83819   | 237.504 | ug/l | 100    |
| 14) Allyl chloride            | 4.33 | 41  | 236590  | 47.400  | ug/l | 99     |
| 15) Acrylonitrile             | 4.99 | 53  | 391489  | 254.258 | ug/l | 100    |
| 16) Acetone                   | 3.81 | 43  | 319487  | 210.951 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.06 | 76  | 396031  | 46.076  | ug/l | 99     |
| 18) Methyl Acetate            | 4.32 | 43  | 163456  | 50.342  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.04 | 73  | 496759  | 48.566  | ug/l | 98     |
| 20) Methylene Chloride        | 4.56 | 84  | 161853  | 46.828  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 157676  | 47.873  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.95 | 45  | 475454  | 48.071  | ug/l | 97     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2060389 | 245.508 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 279043  | 48.117  | ug/l | 99     |
| 25) 2-Butanone                | 6.83 | 43  | 521954  | 246.483 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 185493  | 36.039  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 185377  | 48.334  | ug/l | 95     |
| 28) Bromochloromethane        | 7.20 | 49  | 126529  | 50.150  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 350680  | 249.961 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 283660  | 47.651  | ug/l | 99     |
| 31) Cyclohexane               | 7.66 | 56  | 251676  | 45.726  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 250036  | 46.829  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 214523  | 46.489  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 215888  | 51.846  | ug/l | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 227708  | 46.178  | ug/l | 99     |

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 Sample : VSTDCCC050  
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 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/20/2019 9:09:26 AM

Quant Time: May 18 04:29:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 23:54:12 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units | Dev(Min) |
|--------------------------------|-------|------|----------|----------|-------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 247638   | 44.517   | ug/l  | 99       |
| 40) Benzene                    | 8.04  | 78   | 654558   | 48.226   | ug/l  | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 91271m   | 51.268   | ug/l  |          |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 214514   | 48.807   | ug/l  | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 355138   | 49.030   | ug/l  | 100      |
| 44) Trichloroethene            | 8.84  | 130  | 190658   | 49.782   | ug/l  | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 170805   | 47.769   | ug/l  | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 114130   | 48.769   | ug/l  | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 234003   | 47.709   | ug/l  | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 161465   | 49.873   | ug/l  | 97       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 68790    | 1069.295 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1053528  | 247.958  | ug/l  | 100      |
| 52) Toluene                    | 10.16 | 92   | 410166   | 48.181   | ug/l  | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 251766   | 47.692   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 273181   | 47.237   | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 168576   | 48.100   | ug/l  | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 260790   | 47.668   | ug/l  | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 272906   | 49.166   | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 566367   | 243.641  | ug/l  | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 746151   | 249.433  | ug/l  | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 199640   | 50.261   | ug/l  | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 175294   | 49.989   | ug/l  | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 175977   | 49.595   | ug/l  | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 440104   | 48.368   | ug/l  | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 177352   | 48.450   | ug/l  | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 766988   | 47.318   | ug/l  | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 580915   | 94.902   | ug/l  | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 283142   | 47.293   | ug/l  | 98       |
| 70) Styrene                    | 11.96 | 104  | 488986   | 49.121   | ug/l  | 99       |
| 71) Bromoform                  | 12.13 | 173  | 158506   | 51.097   | ug/l  | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 747312   | 51.766   | ug/l  | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 286026   | 49.433   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 235004   | 51.997   | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 195025m  | 46.382   | ug/l  |          |
| 77) Bromobenzene               | 12.53 | 156  | 201099   | 47.520   | ug/l  | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 817154   | 44.656   | ug/l  | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 487470   | 49.769   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 617334   | 49.973   | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 73378    | 44.860   | ug/l  | 97       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 491787   | 45.613   | ug/l  | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 535195   | 51.094   | ug/l  | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 617161   | 50.038   | ug/l  | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 690001   | 50.090   | ug/l  | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 634884   | 49.480   | ug/l  | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 332372   | 47.501   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 326709   | 48.901   | ug/l  | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 511734   | 45.257   | ug/l  | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 127066   | 51.935   | ug/l  | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 324887   | 46.578   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 45540    | 48.698   | ug/l  | 96       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Fri May 17 23:54:12 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 190658   | 53.700 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 105676   | 49.272 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 543071   | 50.658 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 191963   | 51.710 | ug/l  | 99       |

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

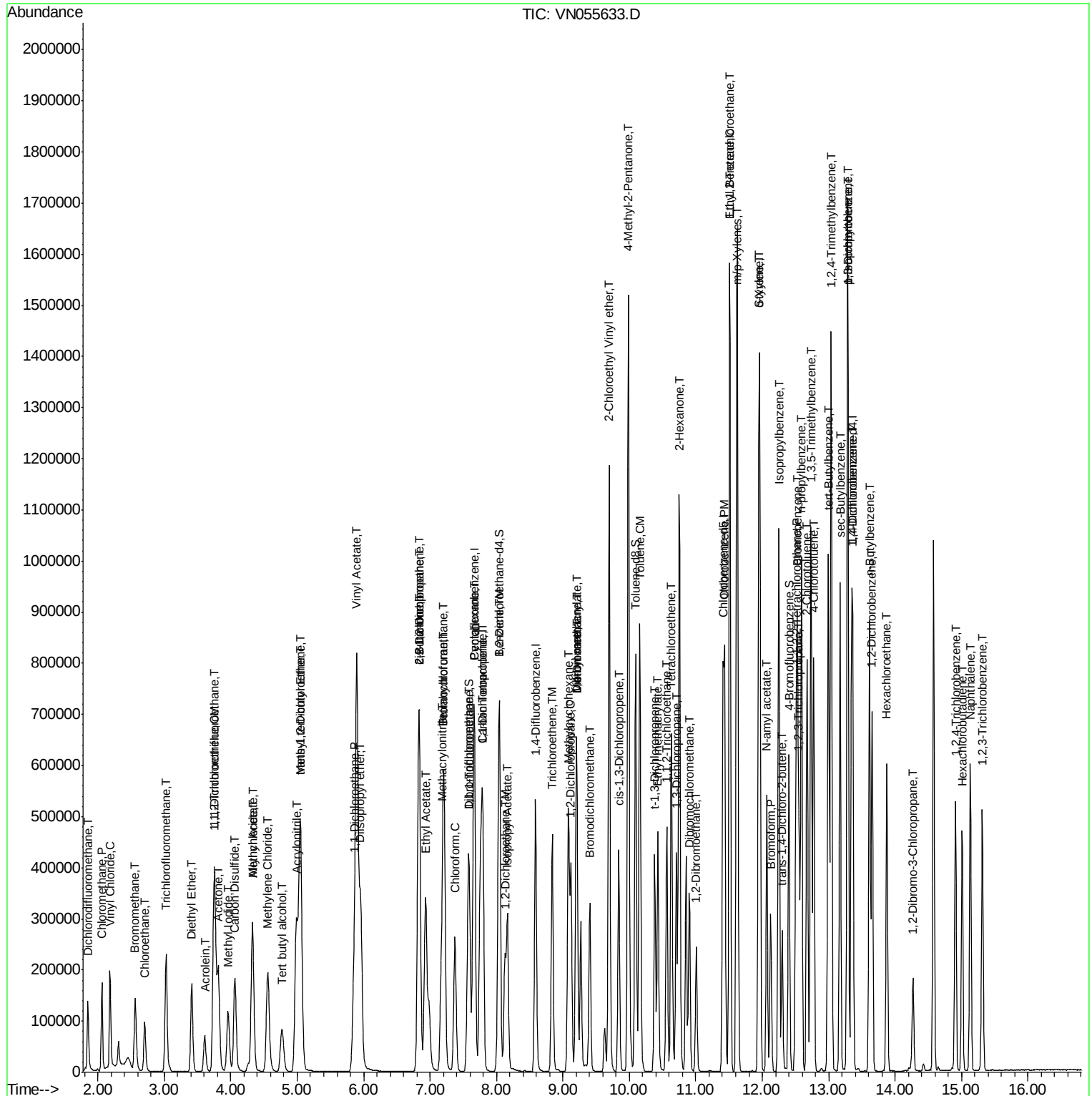
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Data File : VN055633.D  
Acq On : 18 May 2019 00:14  
Operator : JC/SP  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 38 Sample Multiplier: 1

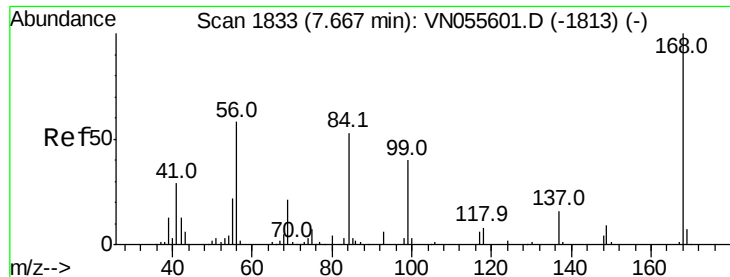
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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Quant Title : SW846 8260  
QLast Update : Fri May 17 23:54:12 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 338548

Ion Ratio Lower Upper

168 100

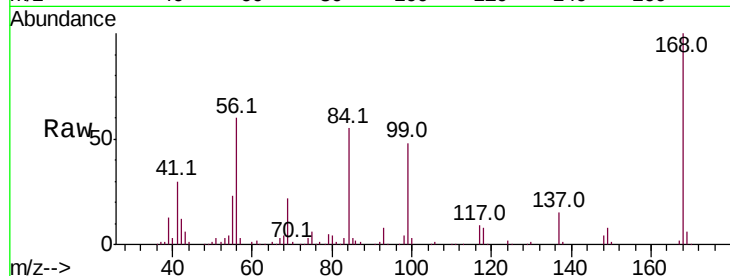
99 47.9 40.2 60.2

Manual Integrations

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5/20/2019 9:09:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

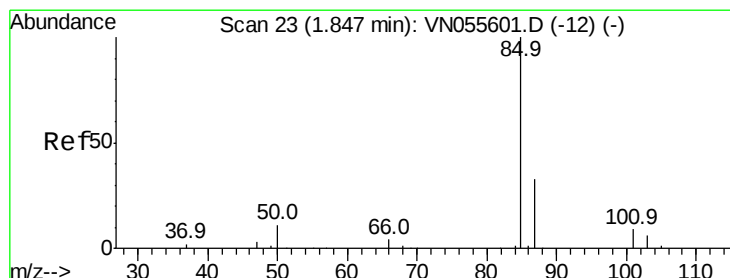
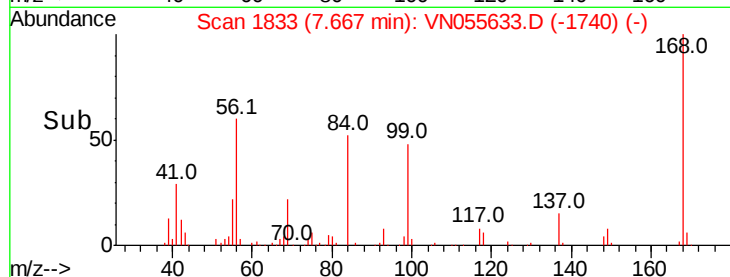
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.961 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055633.D

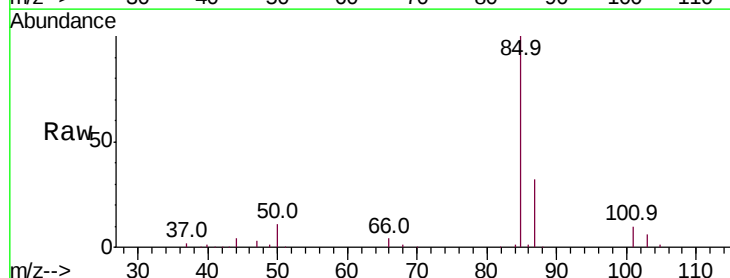
Acq: 18 May 2019 00:14

Tgt Ion: 85 Resp: 117114

Ion Ratio Lower Upper

85 100

87 32.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

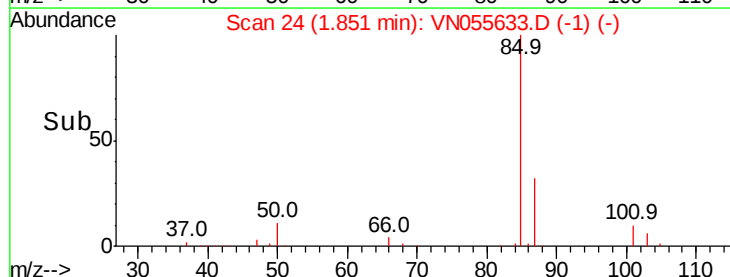
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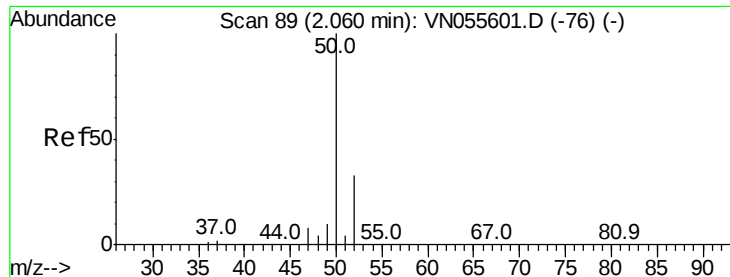
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.992 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 152844

Ion Ratio Lower Upper

50 100

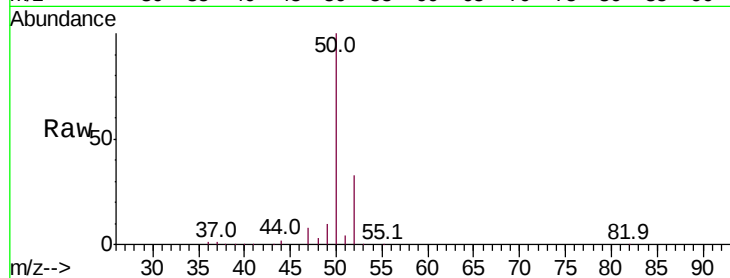
52 32.8 26.7 40.1

Manual Integrations

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5/20/2019 9:09:26 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

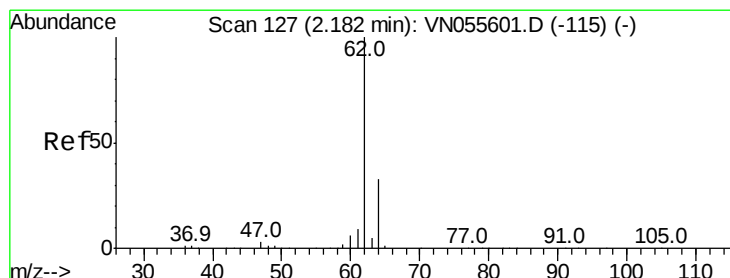
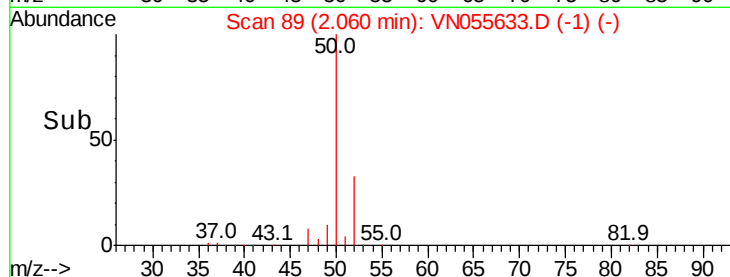
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 47.021 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055633.D

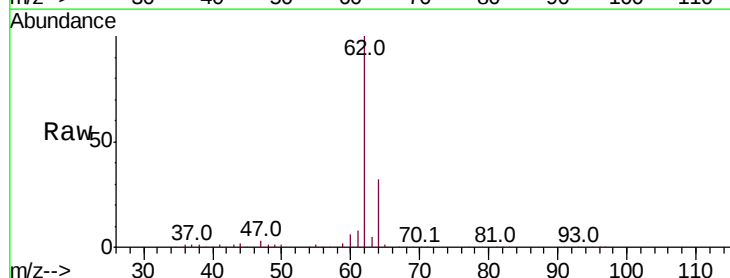
Acq: 18 May 2019 00:14

Tgt Ion: 62 Resp: 176901

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

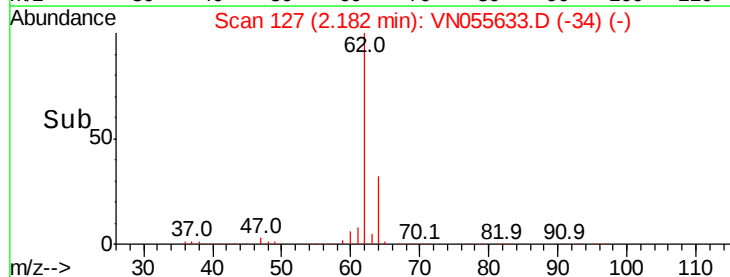
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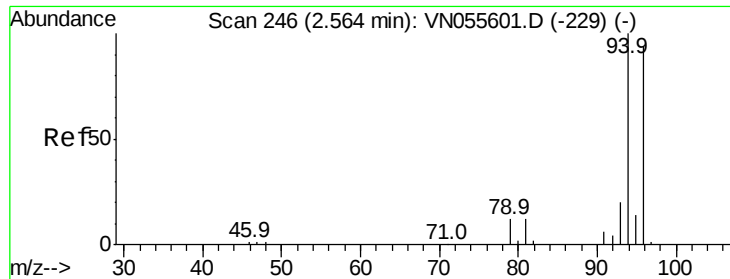
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Time-->





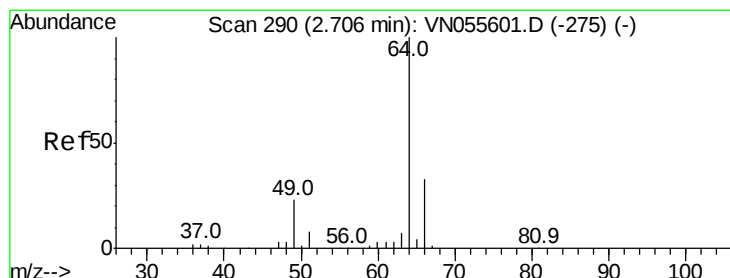
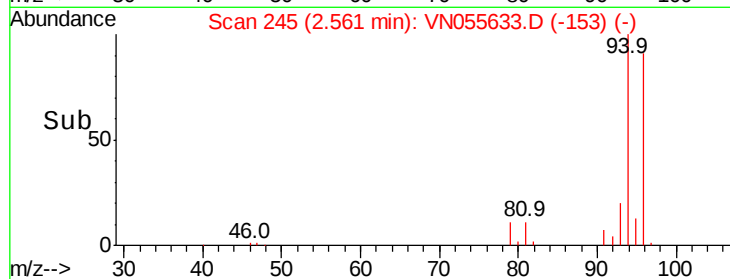
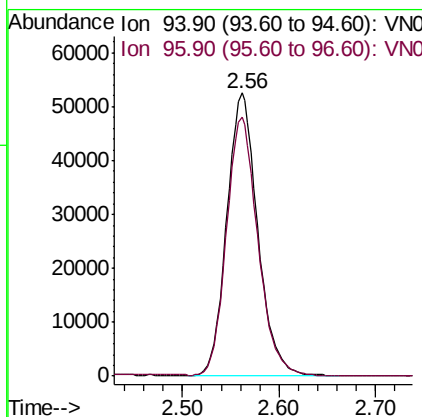
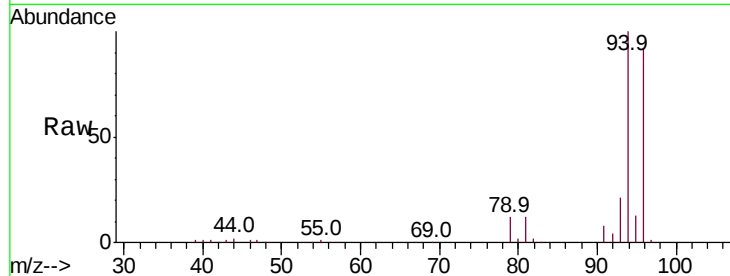
#5  
Bromomethane  
Concen: 48.627 ug/l  
RT: 2.56 min Scan# 245  
Delta R.T. -0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
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ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 96      | 91.4  | 75.2  | 112.8 |

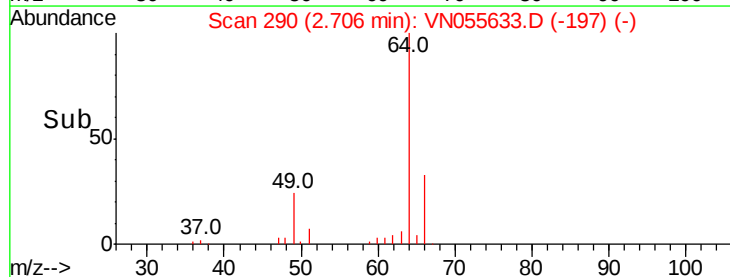
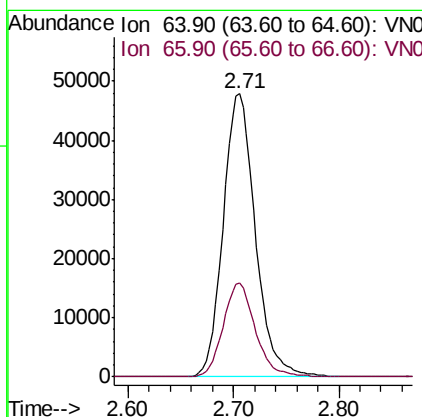
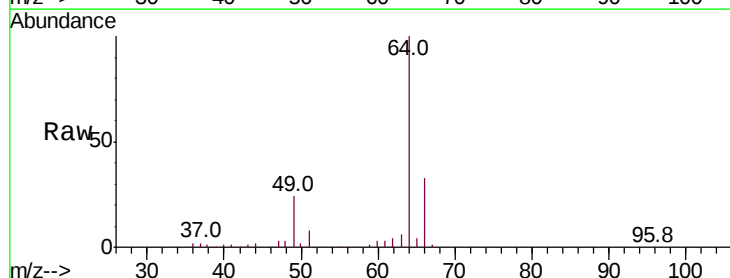
Manual Integrations  
APPROVED

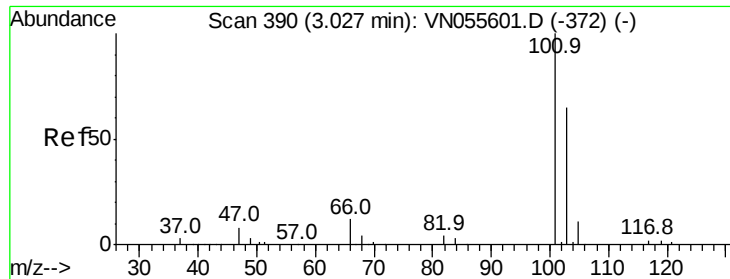
MMDadoda  
5/20/2019 9:09:26 AM



#6  
Chloroethane  
Concen: 48.262 ug/l  
RT: 2.71 min Scan# 290  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 64      | 100   |       |       |
| 66      | 33.0  | 26.2  | 39.4  |





#7

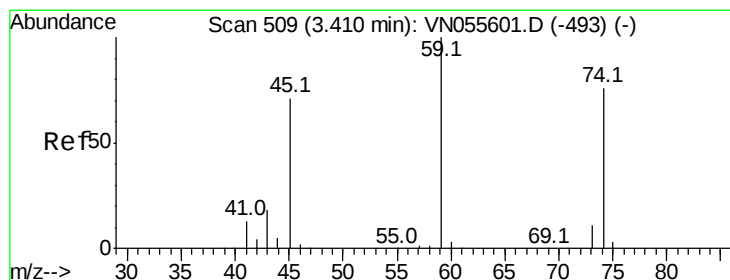
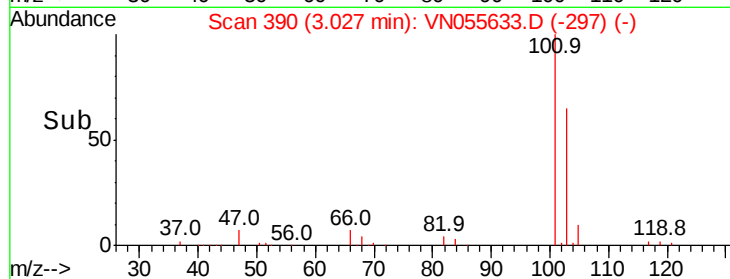
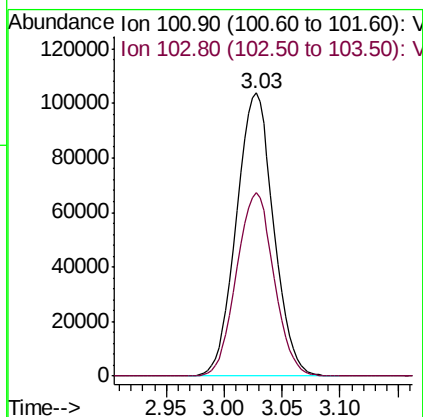
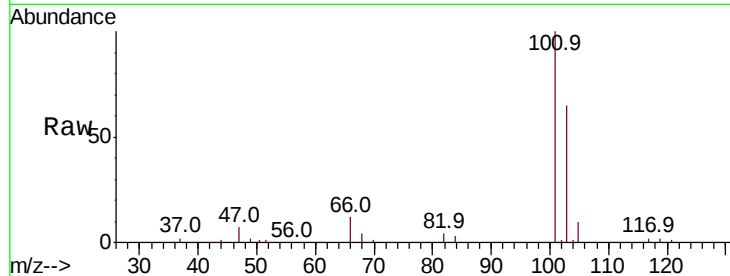
Trichlorofluoromethane  
 Concen: 48.004 ug/l  
 RT: 3.03 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.7  | 52.3  | 78.5  |

Manual Integrations  
 APPROVED

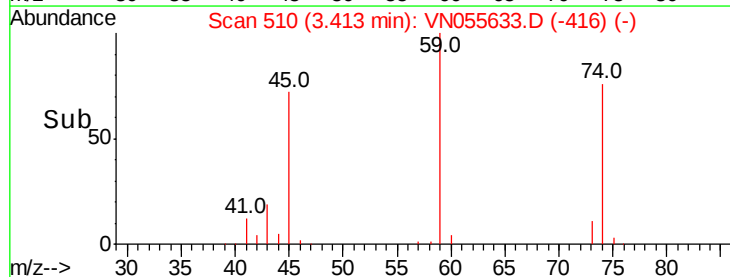
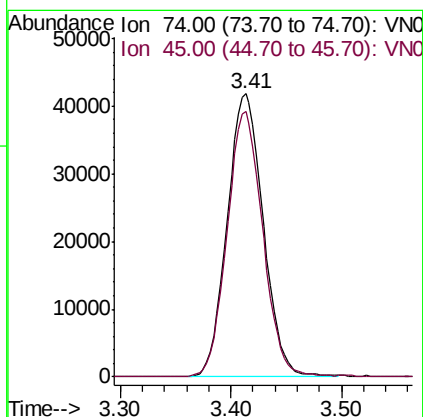
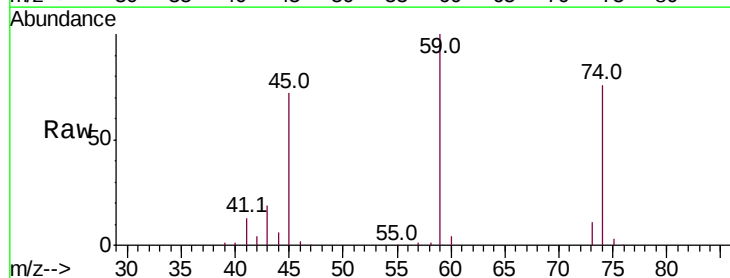
MMDadoda  
 5/20/2019 9:09:26 AM

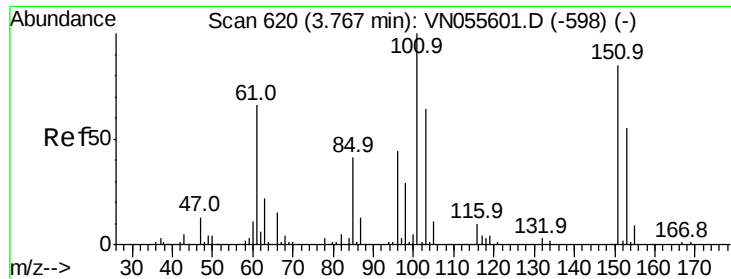


#8

Diethyl Ether  
 Concen: 48.956 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 92.7  | 46.4  | 139.2 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.246 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

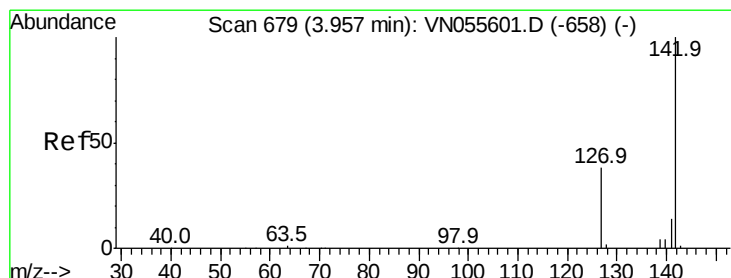
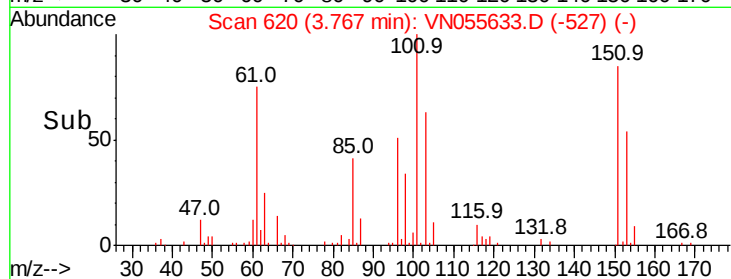
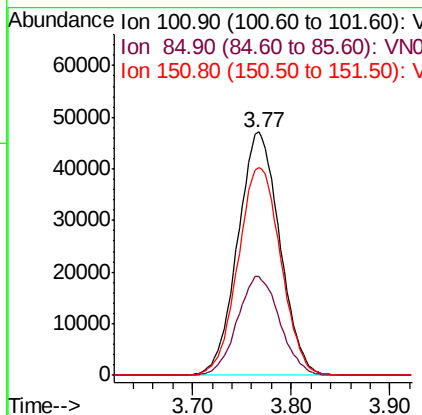
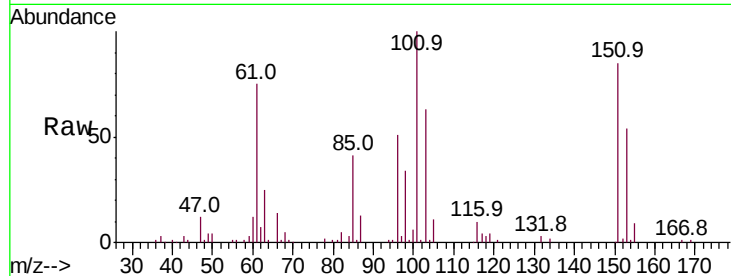
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 138864 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.0  | 33.4  | 50.0   |
| 151       | 87.0  | 69.3  | 103.9  |

Manual Integrations  
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MMDadoda  
5/20/2019 9:09:26 AM



#10

Methyl Iodide

Concen: 47.904 ug/l

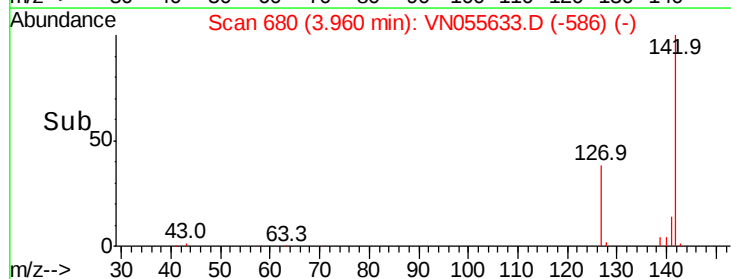
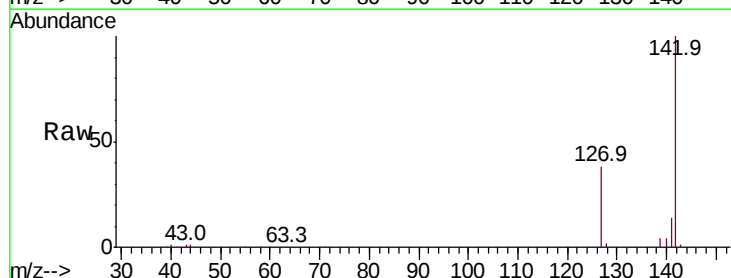
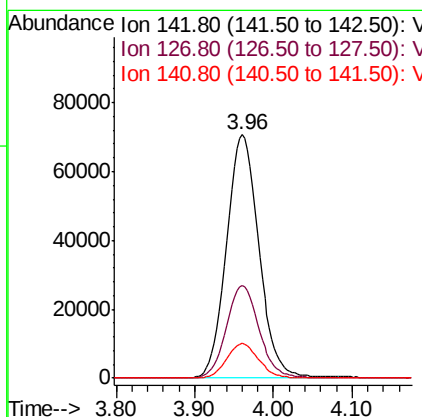
RT: 3.96 min Scan# 680

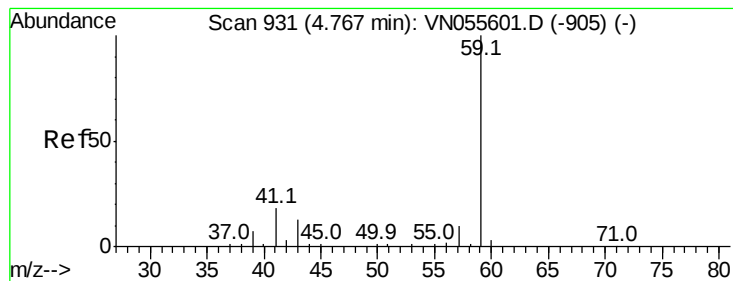
Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 202985 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.1  | 31.0  | 46.4   |
| 141       | 13.9  | 11.5  | 17.3   |





#11

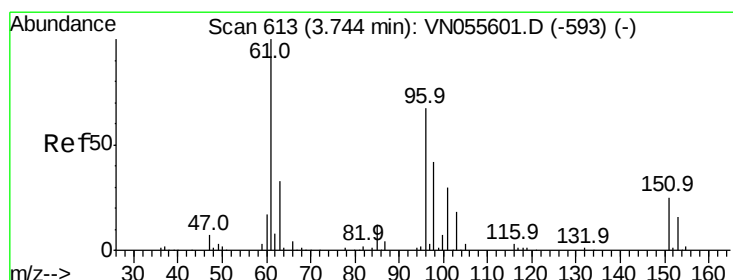
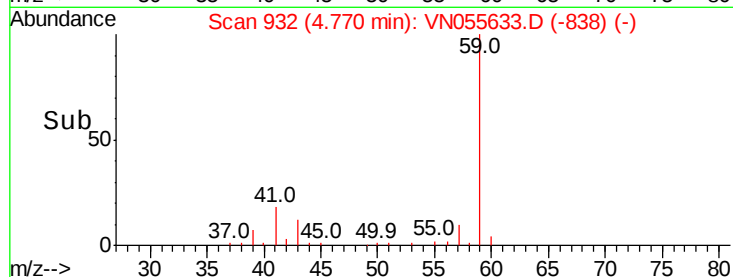
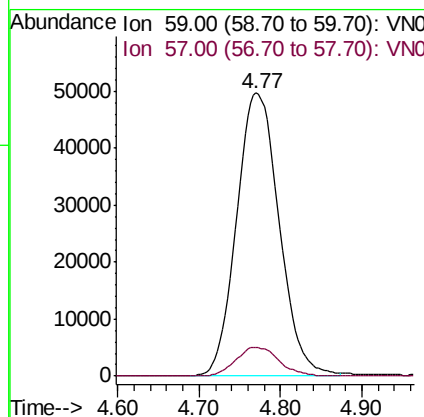
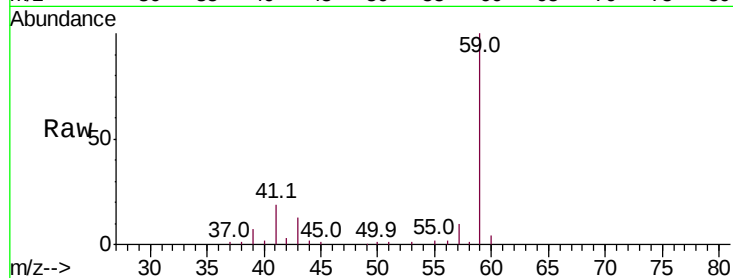
Tert butyl alcohol  
Concen: 260.477 ug/l  
RT: 4.77 min Scan# 932  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 59 | 57 | Ratio | 100 | 10.3 | Resp | 180268 | Lower | Upper |
|---------|----|----|-------|-----|------|------|--------|-------|-------|
|         |    |    |       |     |      |      |        |       |       |

Manual Integrations  
APPROVED

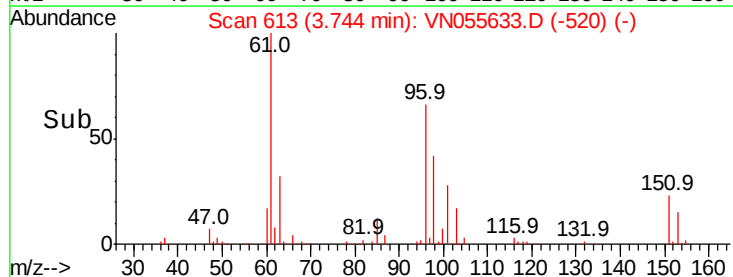
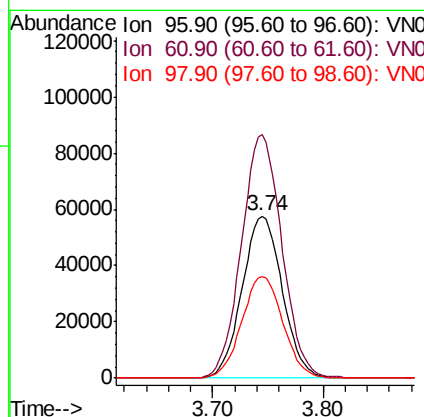
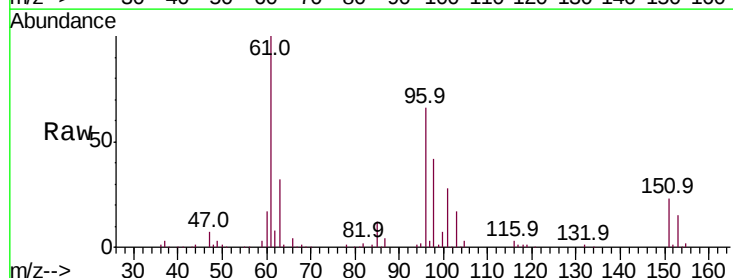
MMDadoda  
5/20/2019 9:09:26 AM

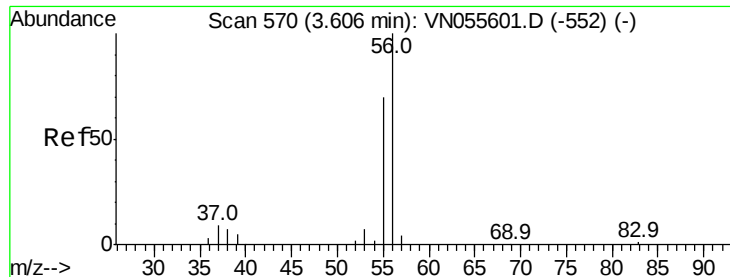


#12

1,1-Dichloroethene  
Concen: 47.122 ug/l  
RT: 3.74 min Scan# 613  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | 96 | 61 | 98 | Ratio | 100 | 150.5 | 62.6 | Resp | 145692 | Lower | Upper |
|---------|----|----|----|-------|-----|-------|------|------|--------|-------|-------|
|         |    |    |    |       |     |       |      |      |        |       |       |





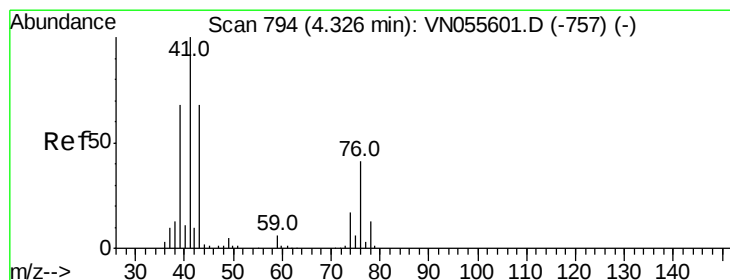
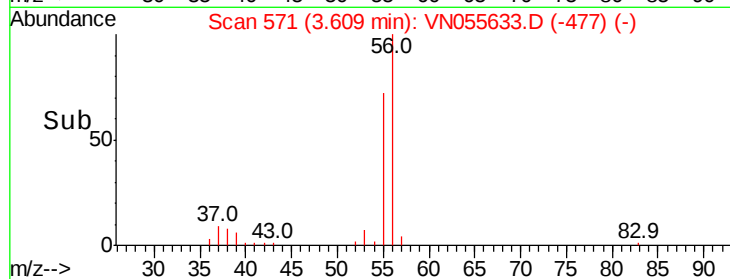
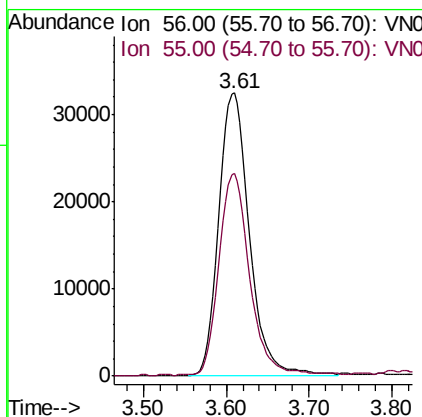
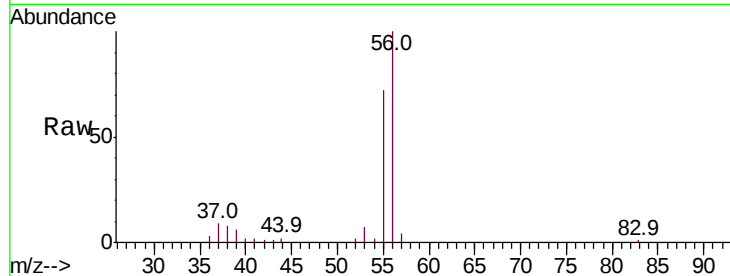
#13  
Acrolein  
Concen: 237.504 ug/l  
RT: 3.61 min Scan# 571  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 56 Resp: 83819  
Ion Ratio Lower Upper  
56 100  
55 70.2 56.5 84.7

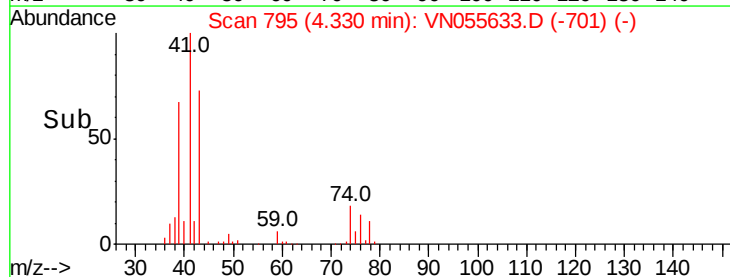
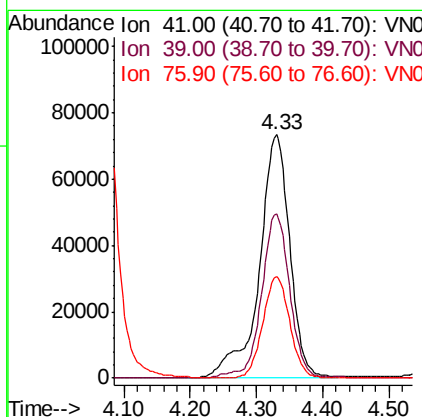
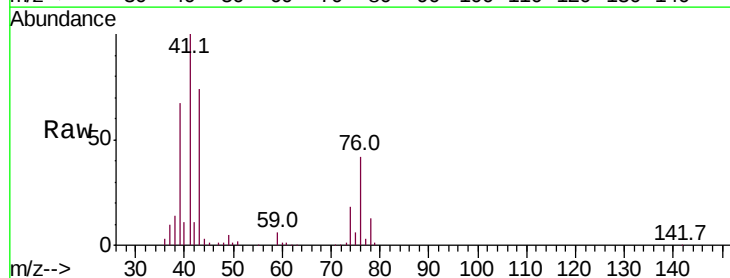
Manual Integrations  
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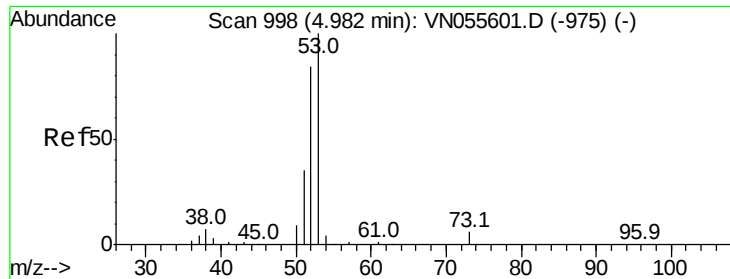
MMDadoda  
5/20/2019 9:09:26 AM



#14  
Allyl chloride  
Concen: 47.400 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Tgt Ion: 41 Resp: 236590  
Ion Ratio Lower Upper  
41 100  
39 62.2 50.5 75.7  
76 36.7 29.2 43.8





#15

Acrylonitrile

Concen: 254.258 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

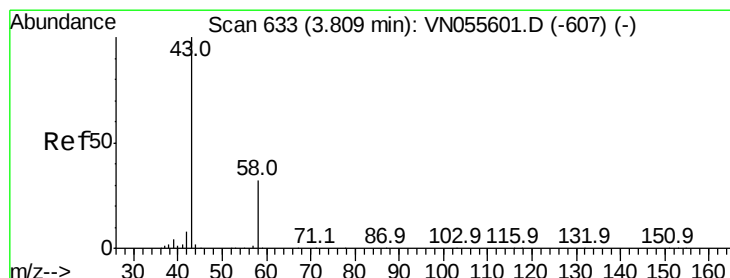
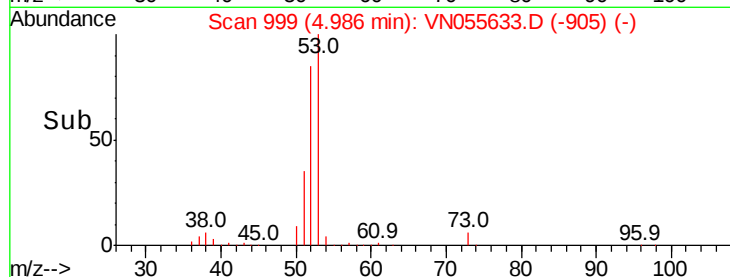
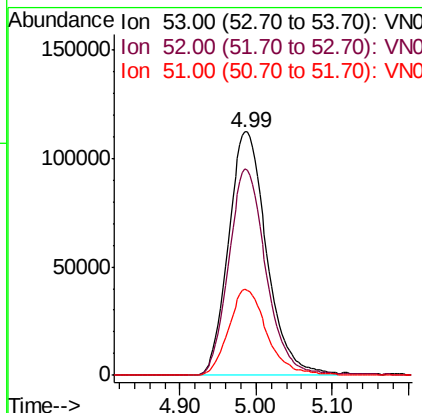
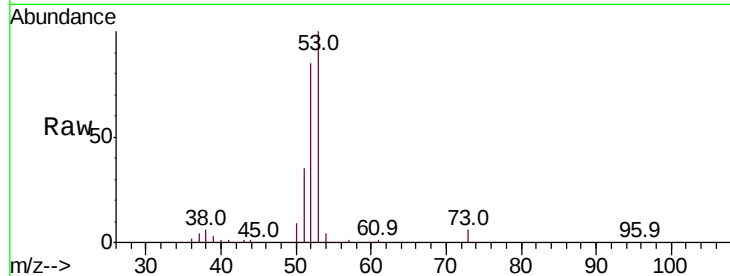
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 391489 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 83.2  | 66.2  | 99.4   |
| 51        | 35.5  | 28.5  | 42.7   |

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#16

Acetone

Concen: 210.951 ug/l

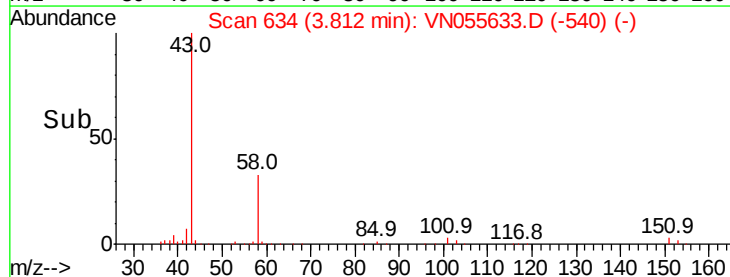
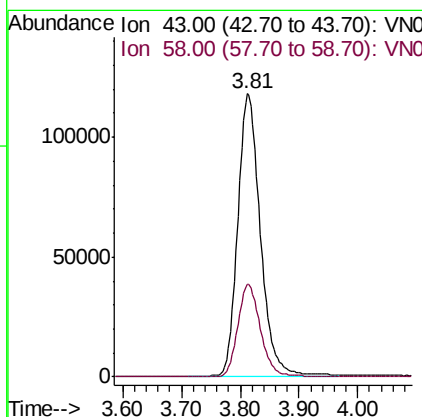
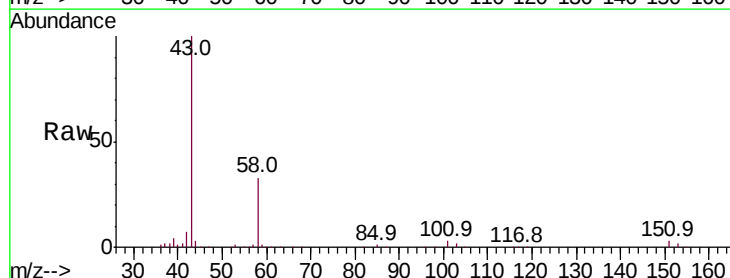
RT: 3.81 min Scan# 634

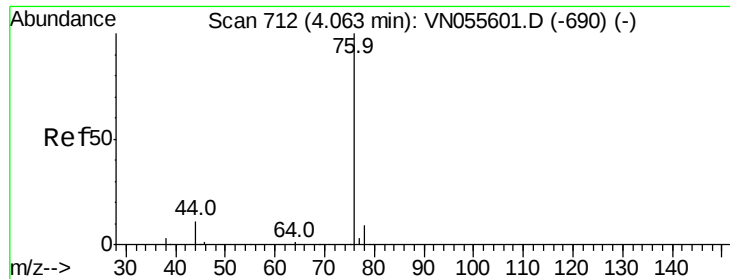
Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 319487 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.8  | 26.0  | 39.0   |





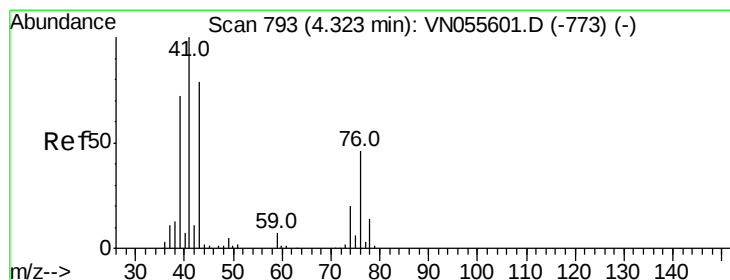
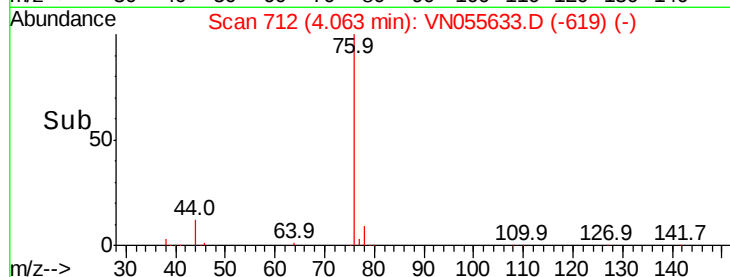
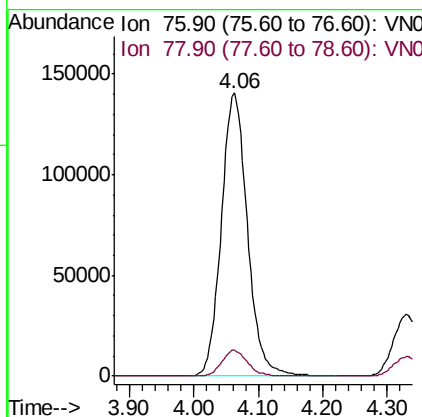
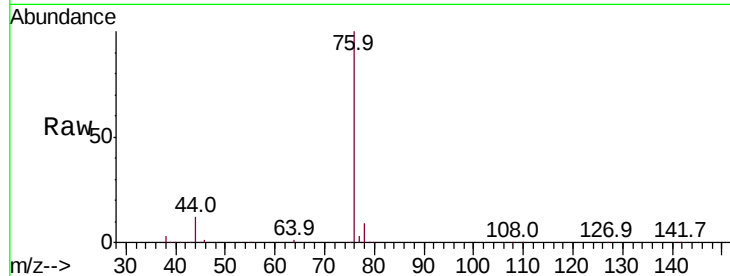
#17  
Carbon Disulfide  
Concen: 46.076 ug/l  
RT: 4.06 min Scan# 712  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.3   | 7.3   | 10.9  |

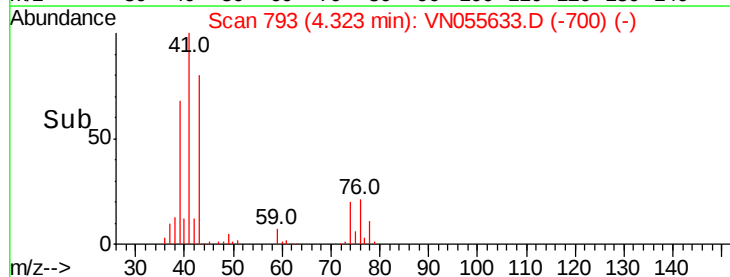
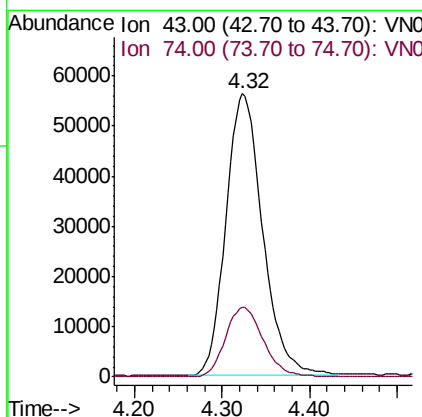
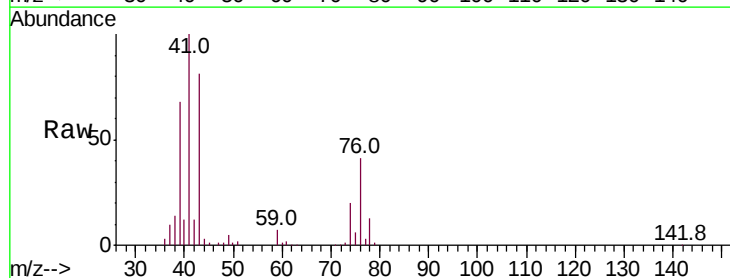
Manual Integrations  
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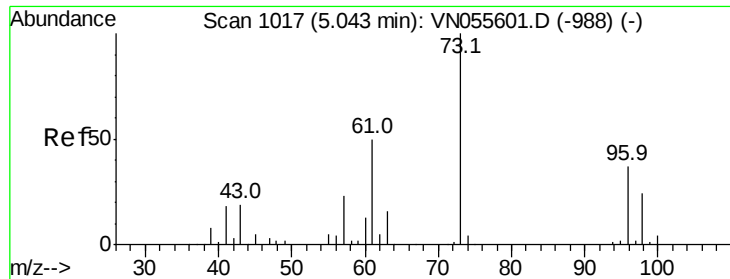
MMDadoda  
5/20/2019 9:09:26 AM



#18  
Methyl Acetate  
Concen: 50.342 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.6  | 19.9  | 29.9  |





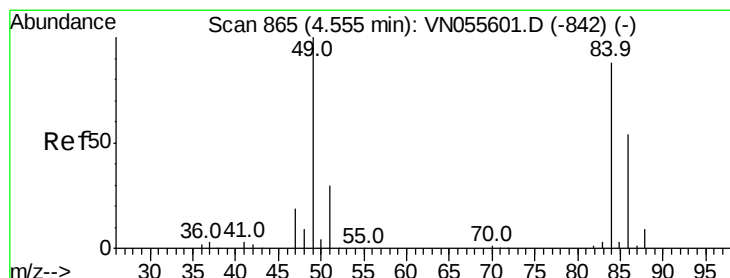
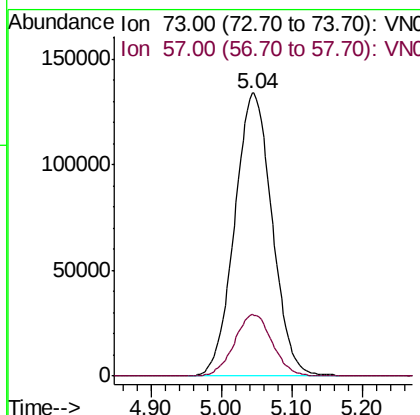
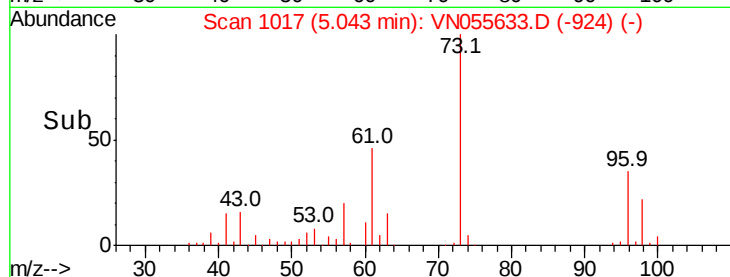
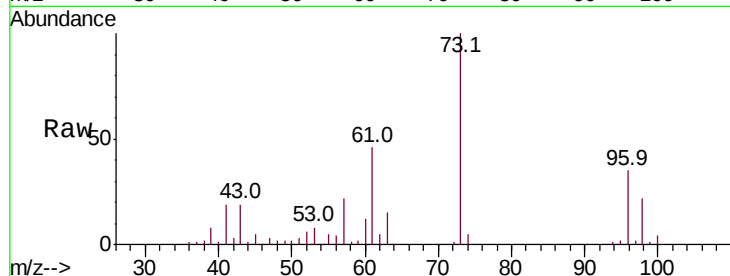
#19  
Methvl tert-butvl Ether  
Concen: 48.566 ug/l  
RT: 5.04 min Scan# 1017  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 496759  
Ion Ratio Lower Upper  
73 100  
57 21.7 18.2 27.2

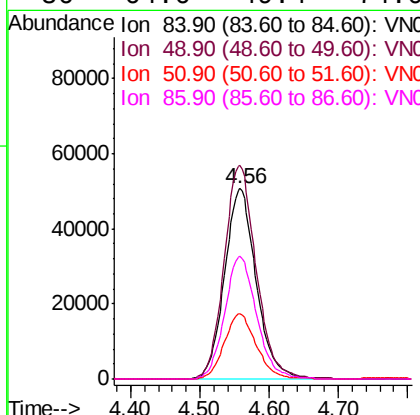
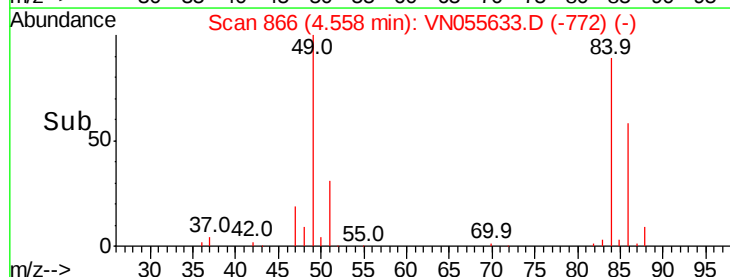
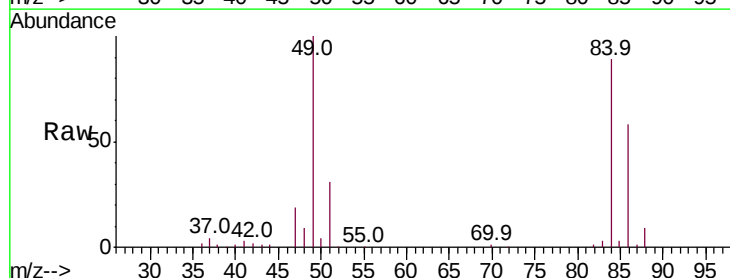
Manual Integrations  
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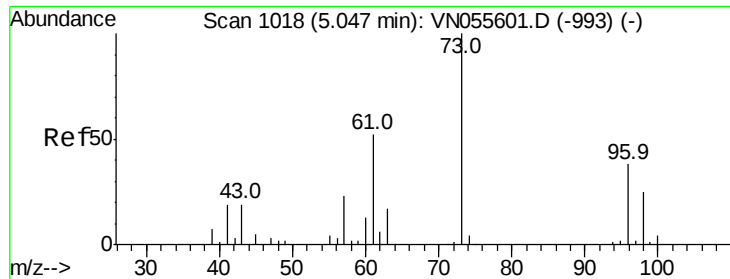
MMDadoda  
5/20/2019 9:09:26 AM



#20  
Methylene Chloride  
Concen: 46.828 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Tgt Ion: 84 Resp: 161853  
Ion Ratio Lower Upper  
84 100  
49 112.1 91.0 136.4  
51 34.4 27.5 41.3  
86 64.6 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.873 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055633.D

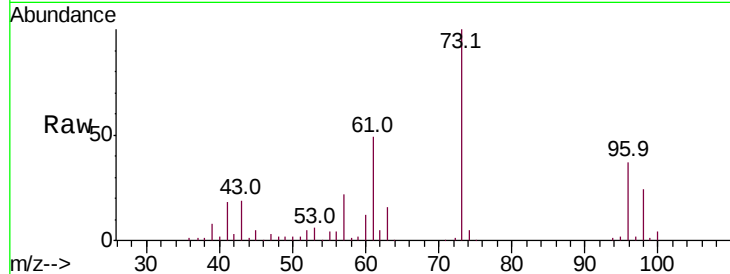
Acq: 18 May 2019 00:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 157676 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 133.3 | 108.6 | 162.8  |
| 98       | 63.9  | 51.4  | 77.0   |

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
5/20/2019 9:09:26 AM



Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC

80000

60000

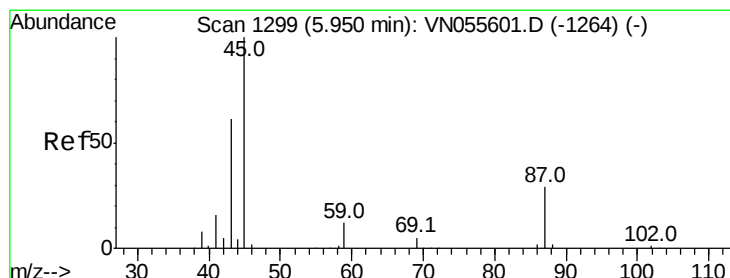
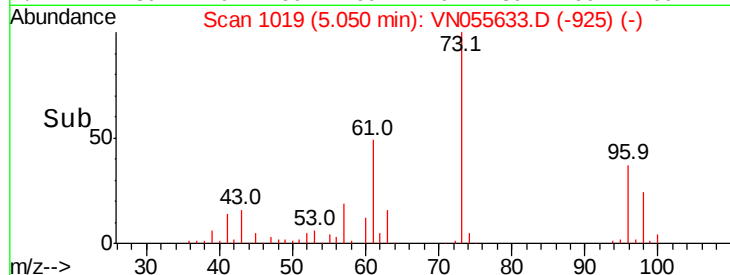
40000

20000

0

5.05

Time-->



#22

Diisopropyl ether

Concen: 48.071 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 475454 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 59.3  | 50.4  | 75.6   |
| 87       | 29.5  | 23.8  | 35.6   |
| 59       | 11.8  | 9.5   | 14.3   |

Abundance

Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC

800000

600000

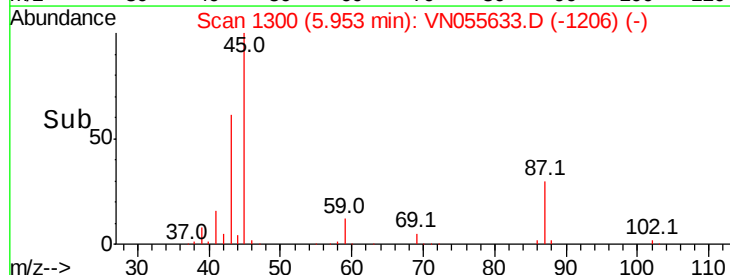
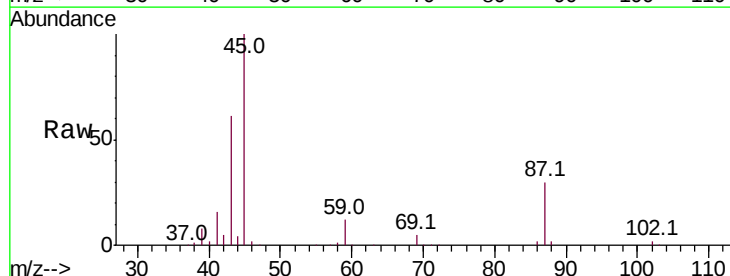
400000

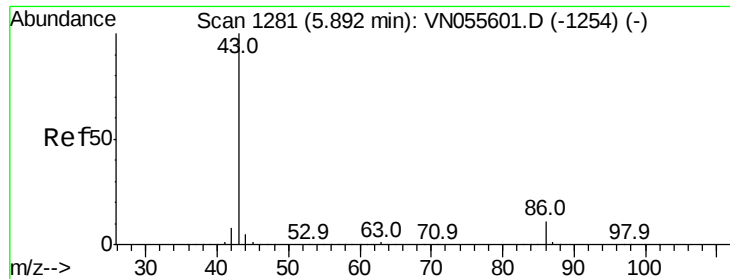
200000

0

5.95

Time-->





#23

Vinyl Acetate

Concen: 245.508 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2060389

Ion Ratio Lower Upper

43 100

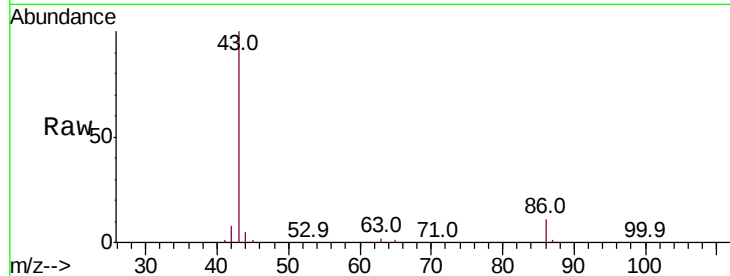
86 11.3 8.7 13.1

Manual Integrations

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5/20/2019 9:09:26 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

600000

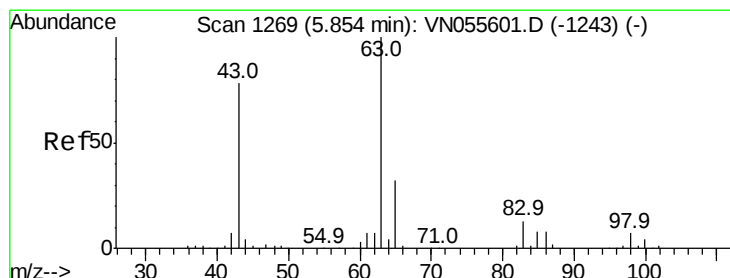
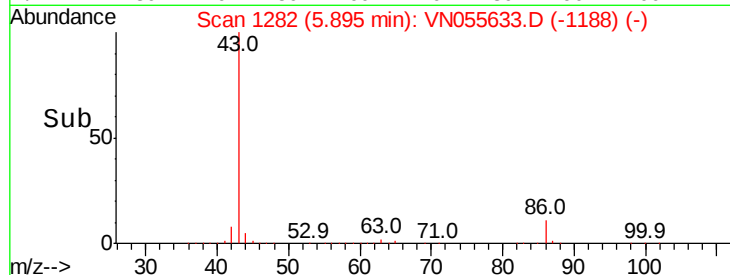
400000

200000

0

5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.117 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

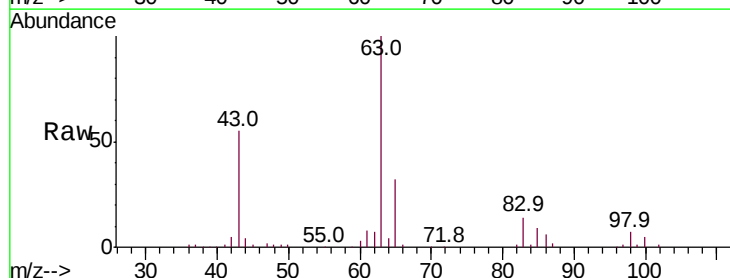
Tgt Ion: 63 Resp: 279043

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.8 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO

120000

100000

80000

60000

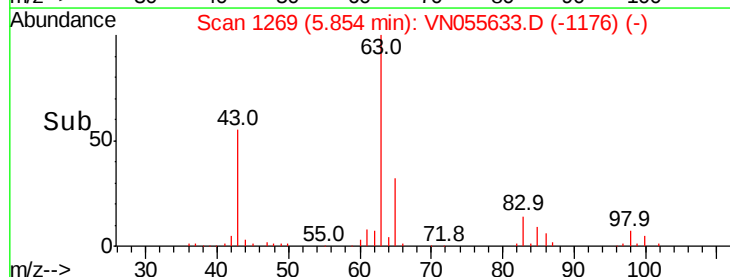
40000

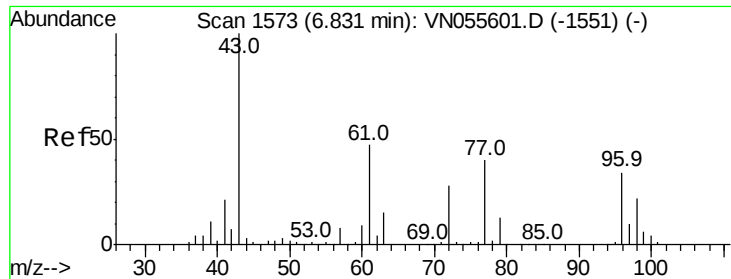
20000

0

5.70 5.80 5.90 6.00

Time-->





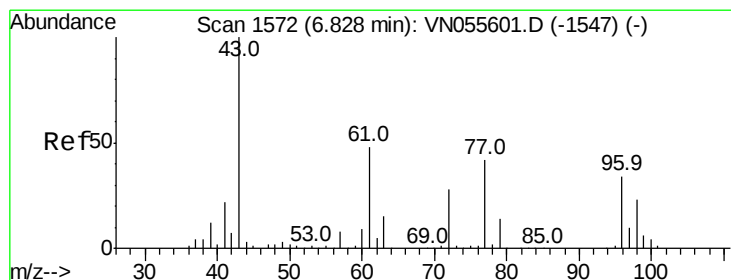
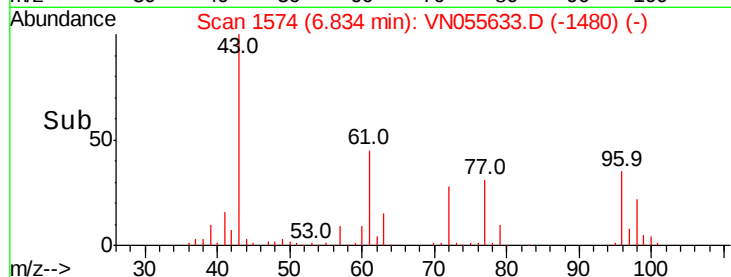
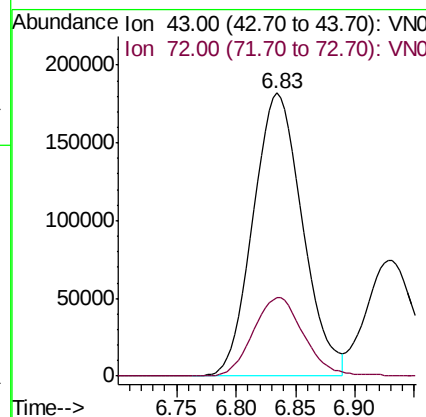
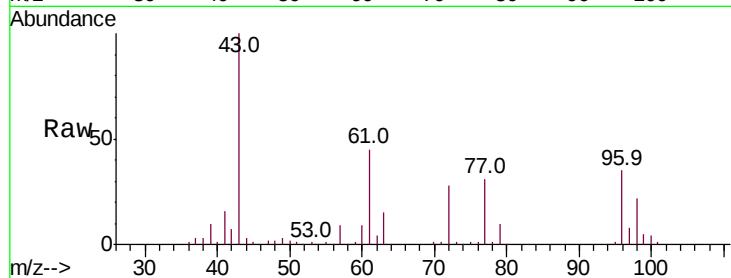
#25  
2-Butanone  
Concen: 246.483 ug/l  
RT: 6.83 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 521954  
Ion Ratio Lower Upper  
43 100  
72 27.6 22.3 33.5

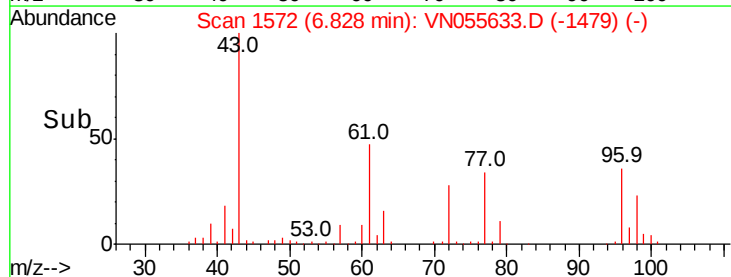
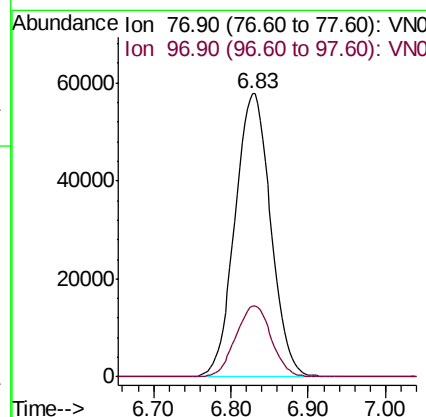
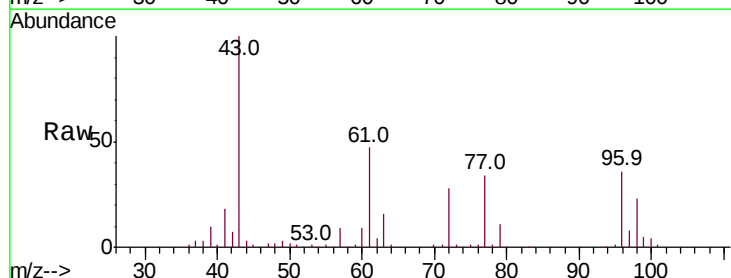
Manual Integrations  
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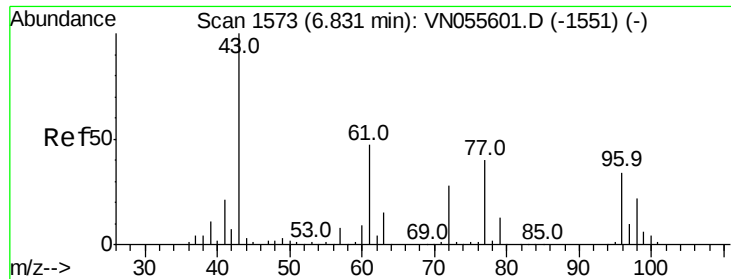
MMDadoda  
5/20/2019 9:09:26 AM



#26  
2,2-Dichloropropane  
Concen: 36.039 ug/l  
RT: 6.83 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Tgt Ion: 77 Resp: 185493  
Ion Ratio Lower Upper  
77 100  
97 25.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 48.334 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

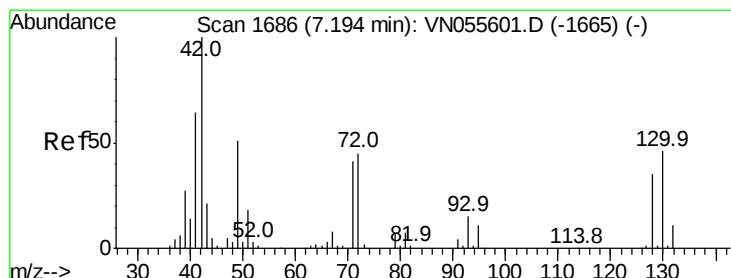
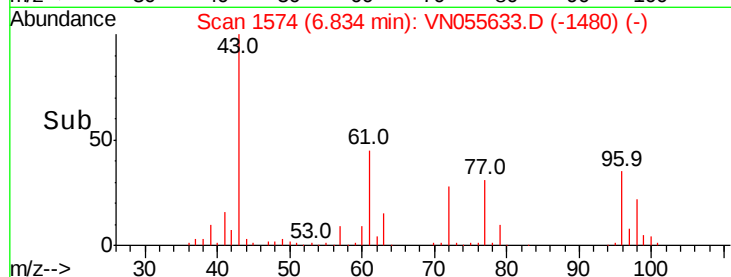
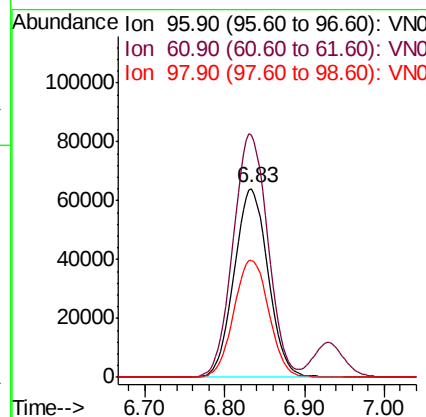
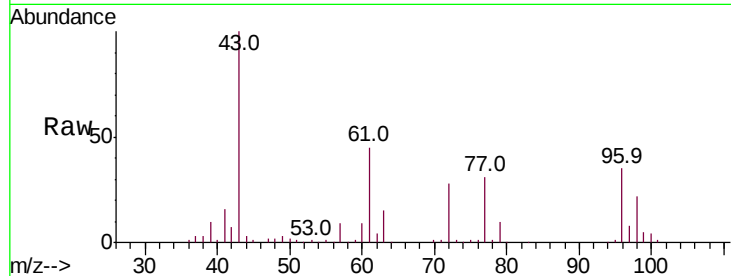
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 185377 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 131.7 | 0.0   | 279.0  |
| 98       | 64.0  | 0.0   | 131.6  |

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5/20/2019 9:09:26 AM



#28

Bromochloromethane

Concen: 50.150 ug/l

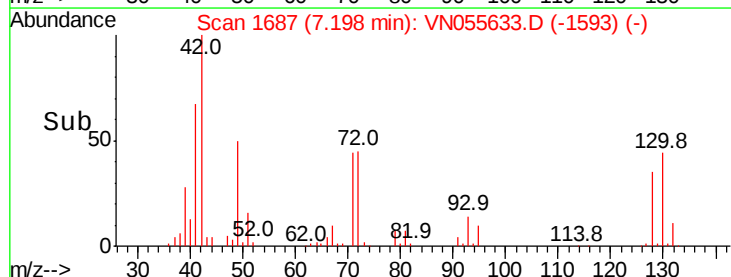
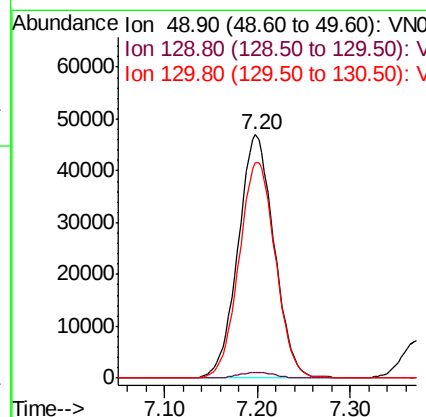
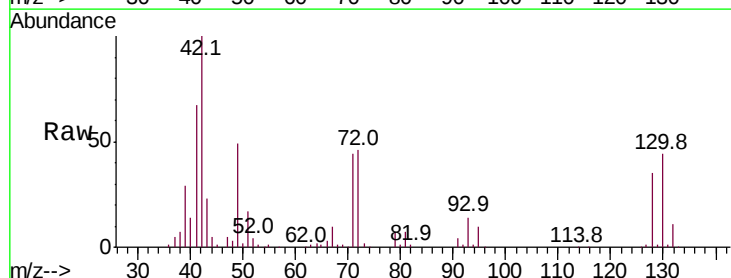
RT: 7.20 min Scan# 1687

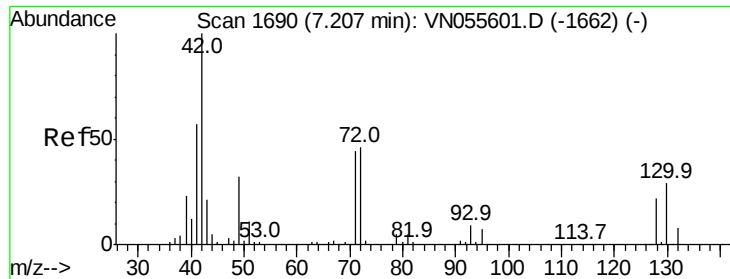
Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 126529 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.3   | 0.0   | 4.4    |
| 130      | 89.6  | 71.0  | 106.6  |





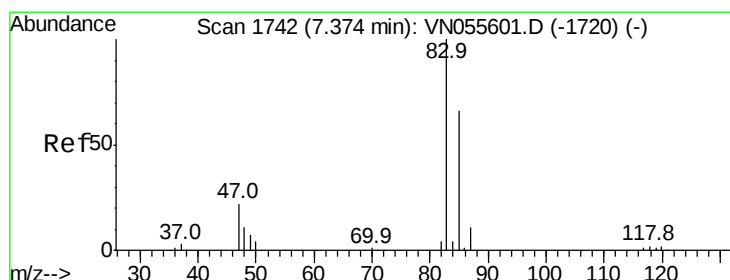
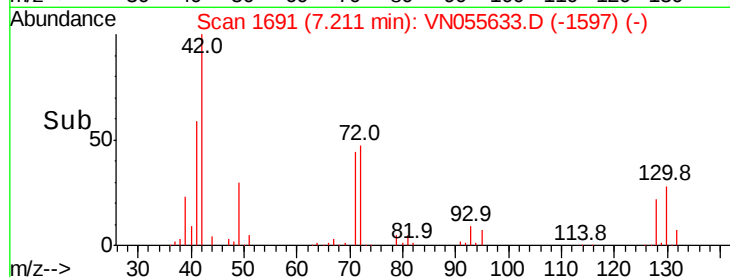
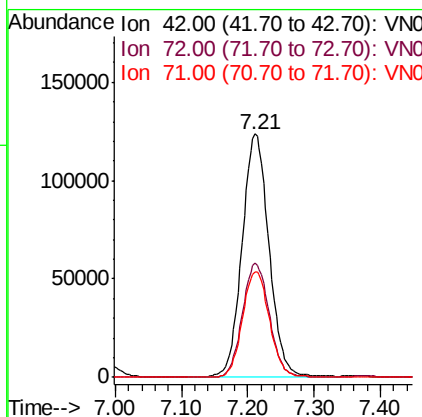
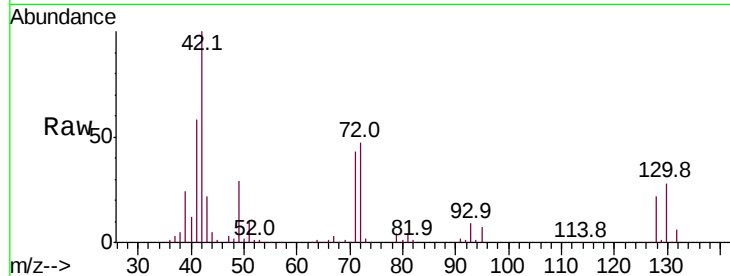
#29  
Tetrahydrofuran  
Concen: 249.961 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.6  | 36.5  | 54.7  |
| 71      | 43.5  | 34.9  | 52.3  |

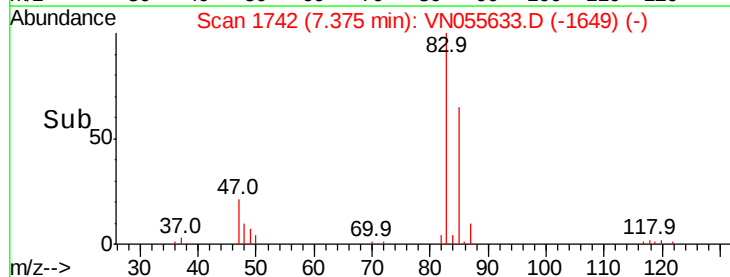
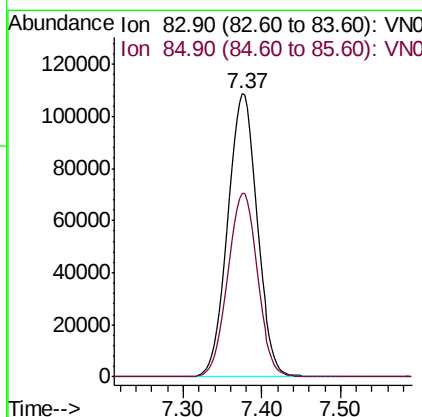
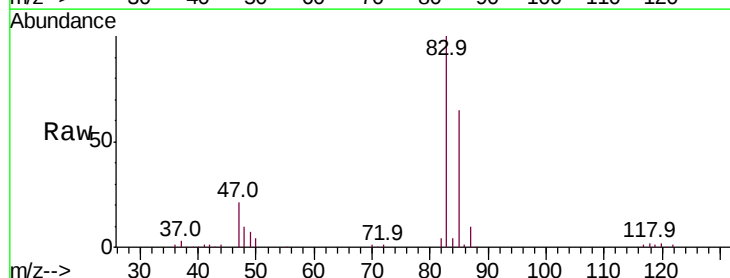
Manual Integrations  
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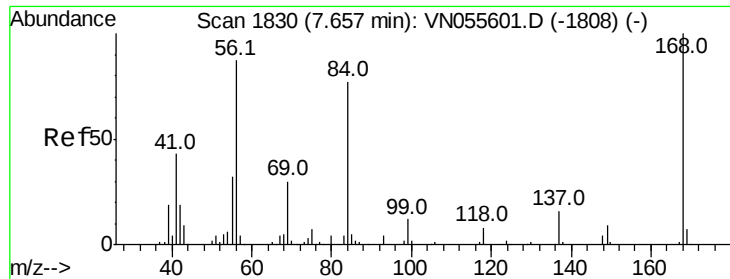
MMDadoda  
5/20/2019 9:09:26 AM



#30  
Chloroform  
Concen: 47.651 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.1  | 52.6  | 78.8  |





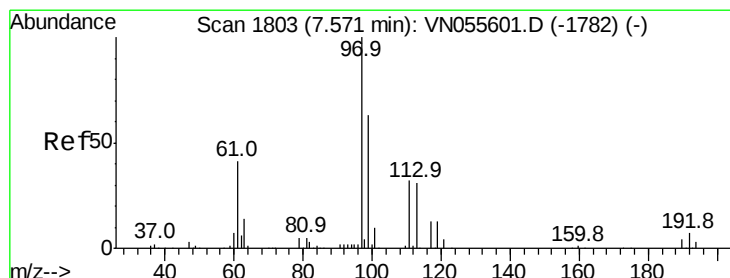
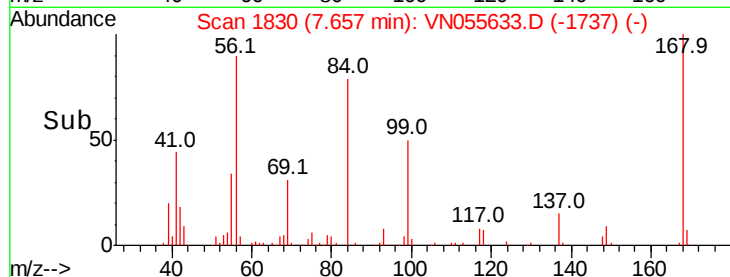
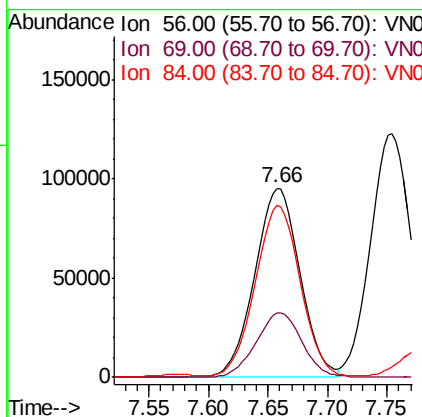
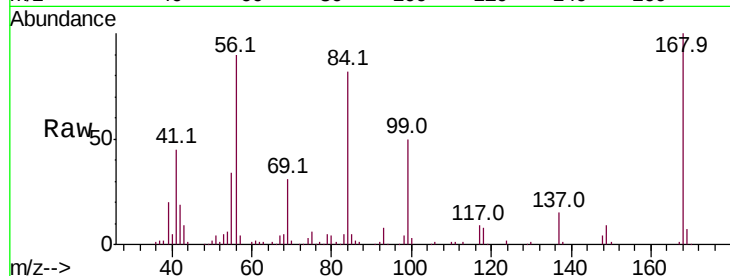
#31  
Cyclohexane  
Concen: 45.726 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 33.9  | 27.2  | 40.8  |
| 84      | 89.8  | 71.3  | 106.9 |

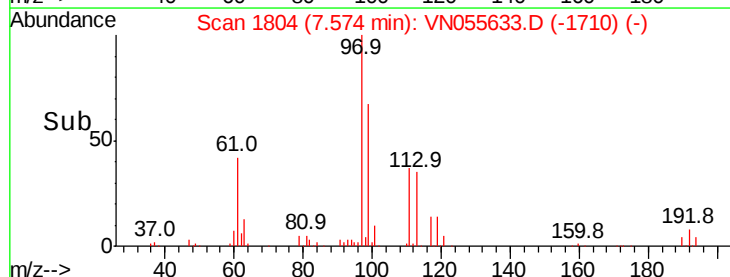
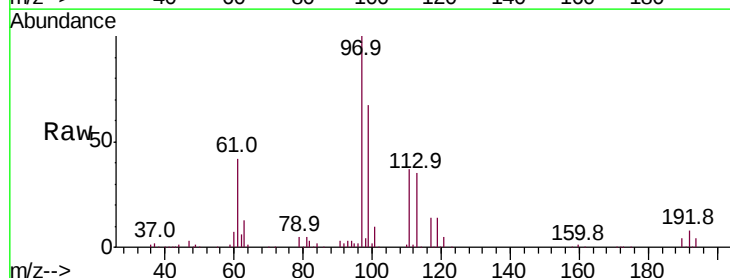
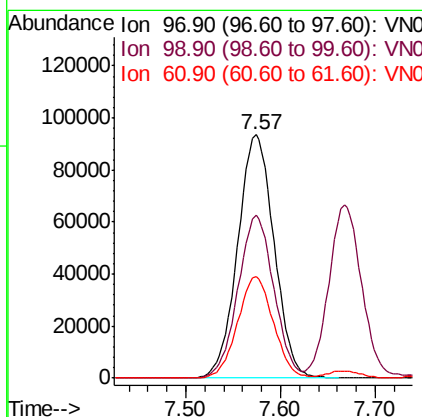
Manual Integrations  
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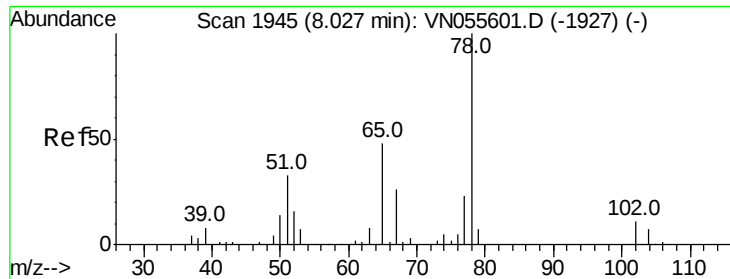
MMDadoda  
5/20/2019 9:09:26 AM



#32  
1,1,1-Trichloroethane  
Concen: 46.829 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 65.8  | 51.4  | 77.2  |
| 61      | 41.1  | 32.9  | 49.3  |





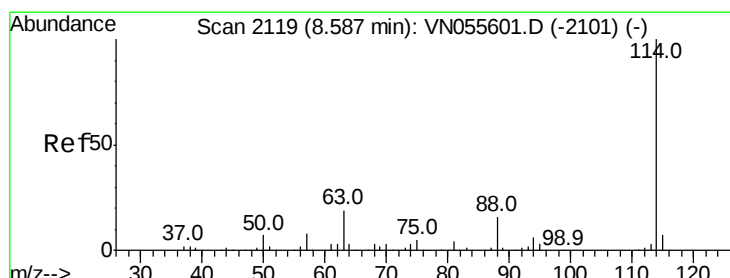
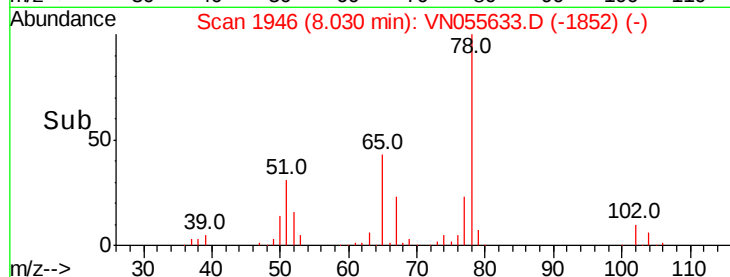
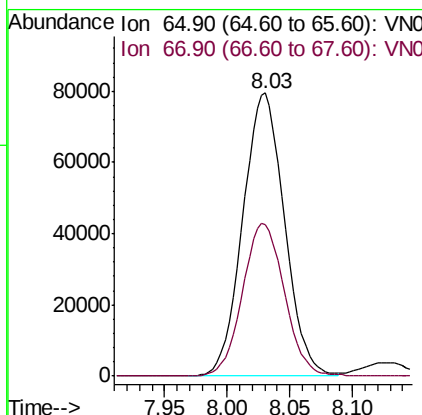
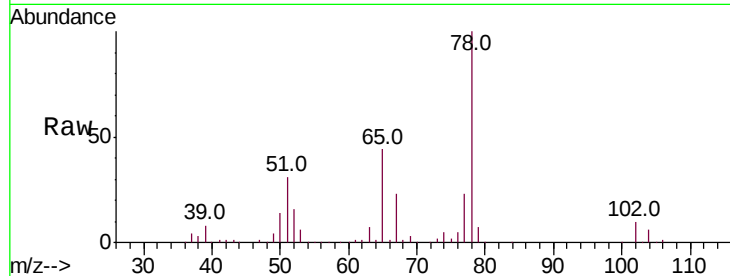
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.624 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 184165 |       |       |
| 67      | 54.0  | 0.0    | 108.6 |       |

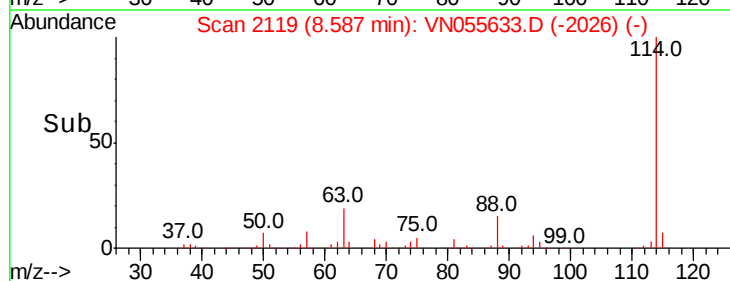
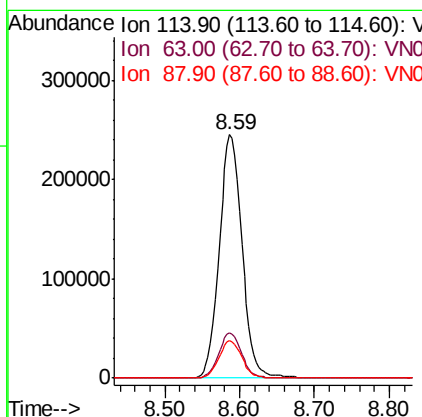
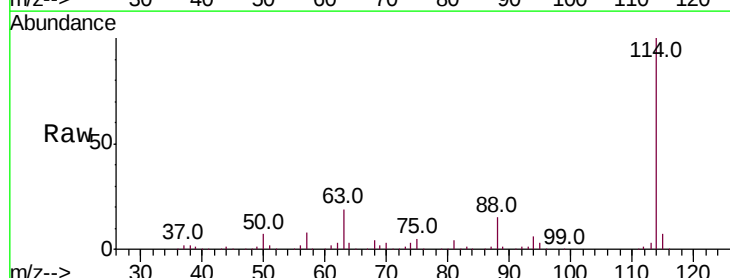
Manual Integrations  
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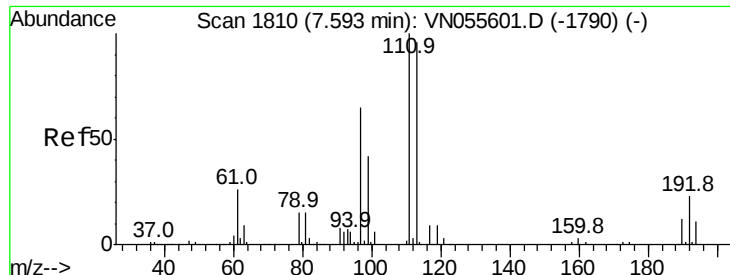
MMDadoda  
 5/20/2019 9:09:26 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 517579 |       |       |
| 63      | 18.5  | 0.0    | 38.2  |       |
| 88      | 15.3  | 0.0    | 31.0  |       |





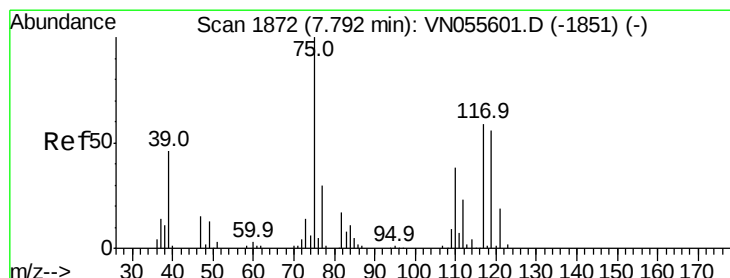
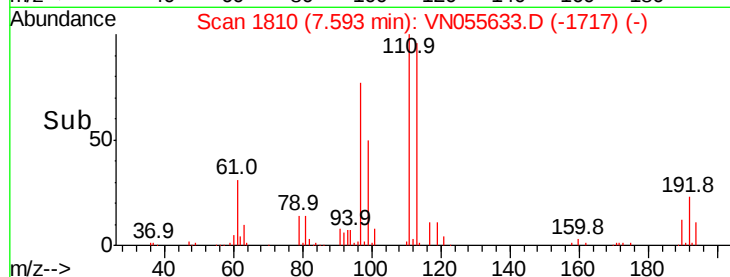
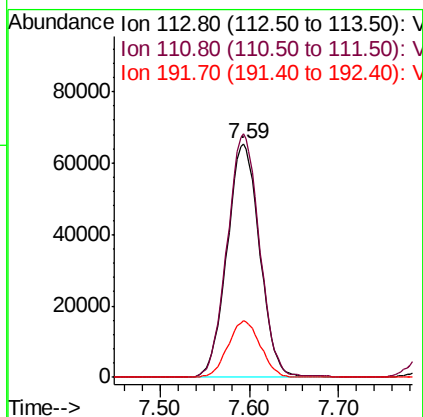
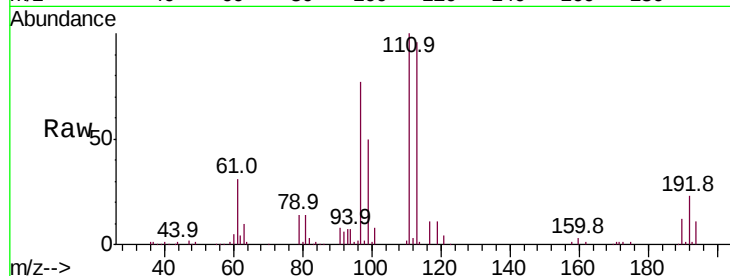
#35  
 Dibromofluoromethane  
 Concen: 50.459 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 165905 |       |       |
| 111     | 103.5 | 82.5   | 123.7 |       |
| 192     | 24.1  | 18.7   | 28.1  |       |

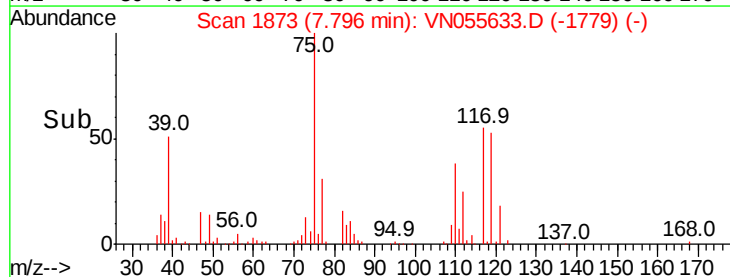
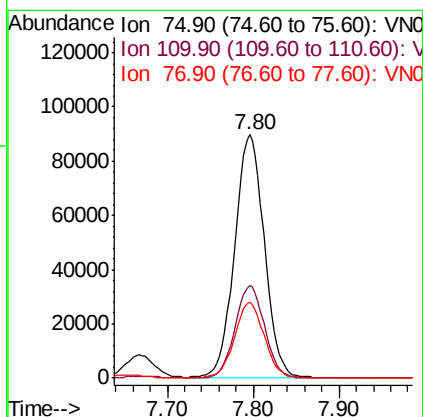
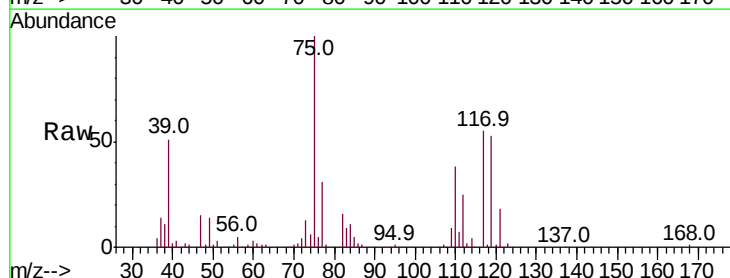
Manual Integrations  
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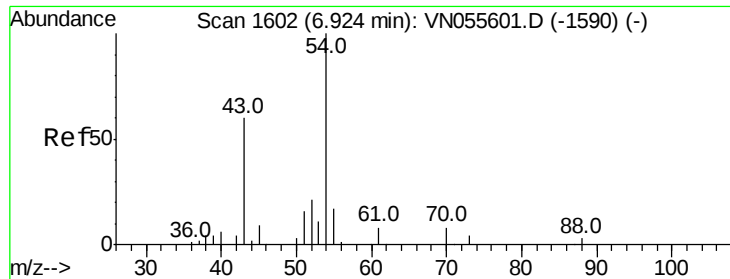
MMDadoda  
 5/20/2019 9:09:26 AM



#36  
 1,1-Dichloropropene  
 Concen: 46.489 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 214523 |       |       |
| 110     | 38.0  | 18.6   | 55.6  |       |
| 77      | 31.4  | 24.9   | 37.3  |       |





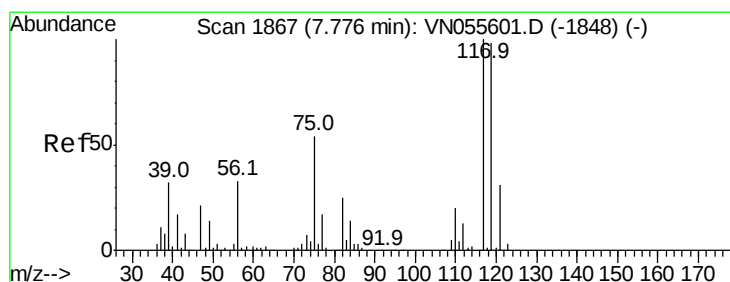
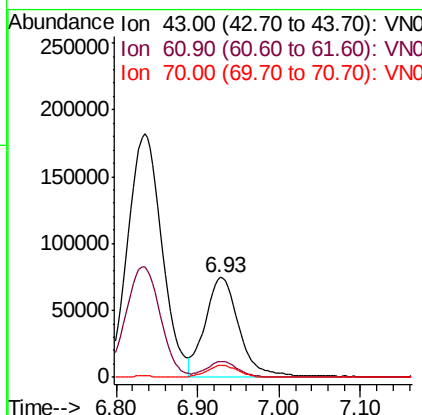
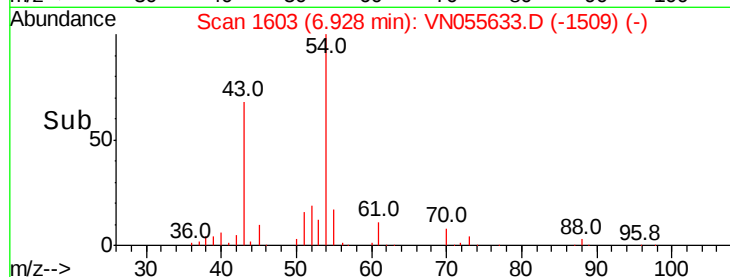
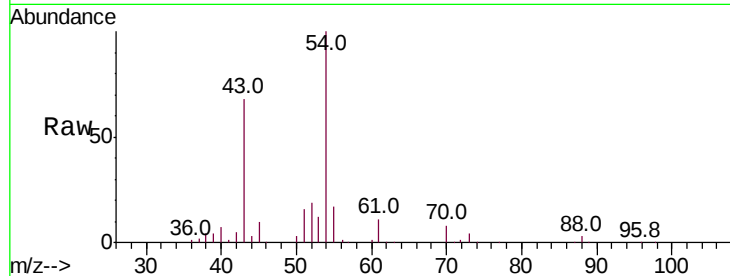
#37  
Ethyl Acetate  
Concen: 51.846 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.7  | 11.4  | 17.0  |
| 70      | 11.0  | 9.2   | 13.8  |

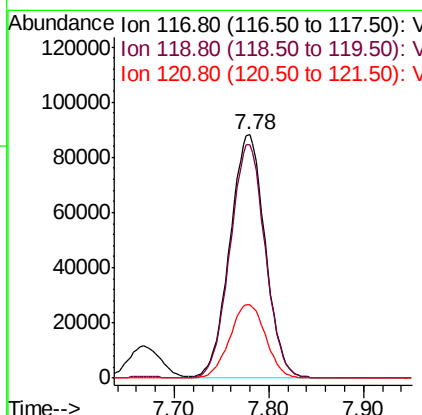
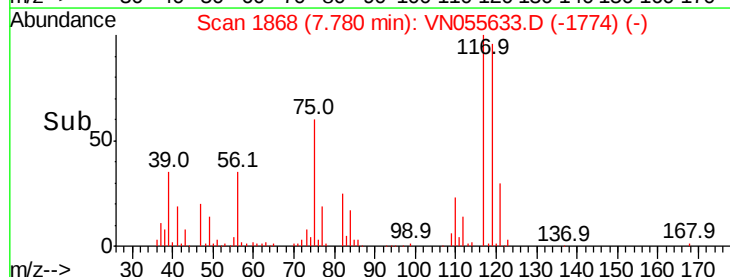
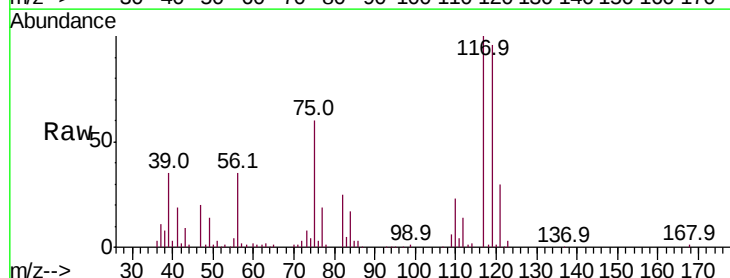
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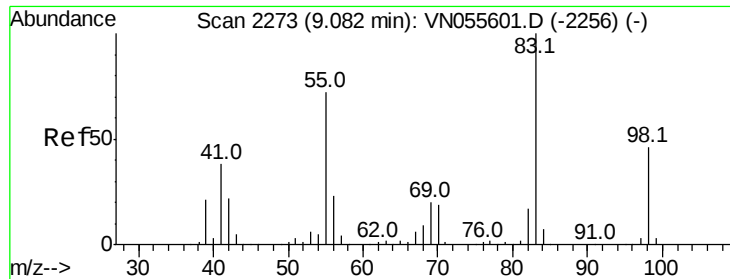
MMDadoda  
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#38  
Carbon Tetrachloride  
Concen: 46.178 ug/l  
RT: 7.78 min Scan# 1868  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.3  | 77.8  | 116.8 |
| 121     | 30.2  | 24.6  | 37.0  |





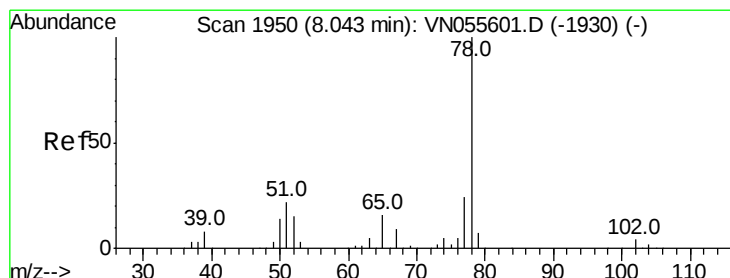
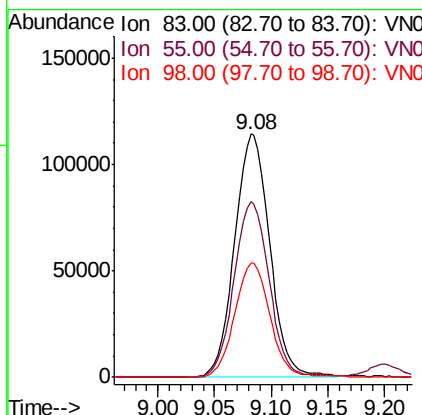
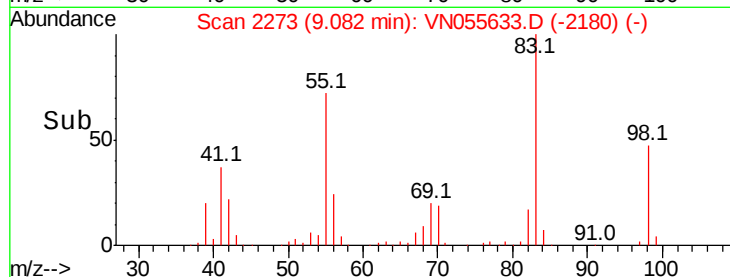
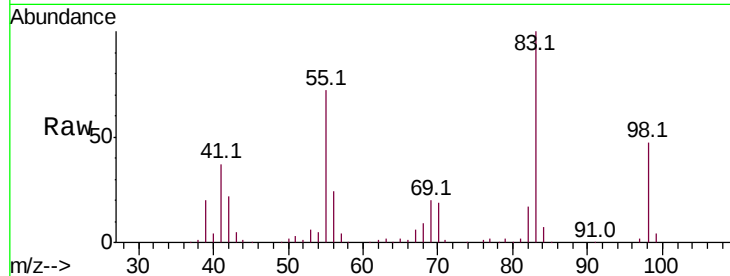
#39  
Methvlcvclohexane  
Concen: 44.517 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83   | Resp  | 247638 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 71.8 | 57.8  | 86.6   |
| 98        | 46.9 | 36.7  | 55.1   |

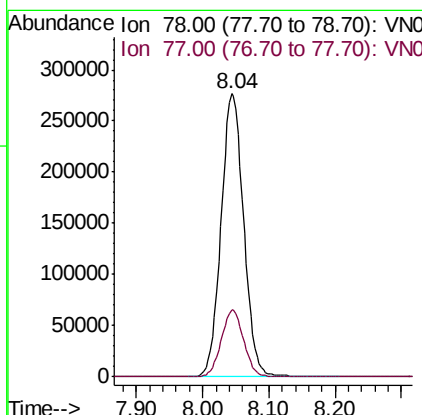
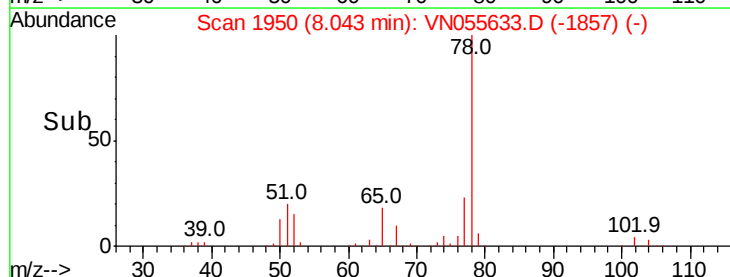
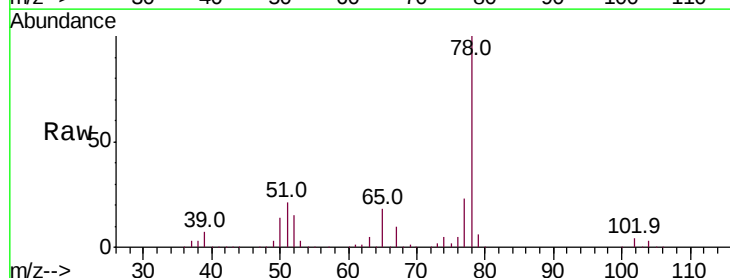
Manual Integrations  
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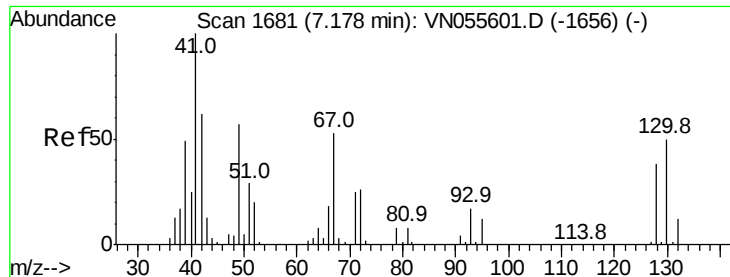
MMDadoda  
5/20/2019 9:09:26 AM



#40  
Benzene  
Concen: 48.226 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion   | 78   | Resp  | 654558 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.5 | 18.9  | 28.3   |





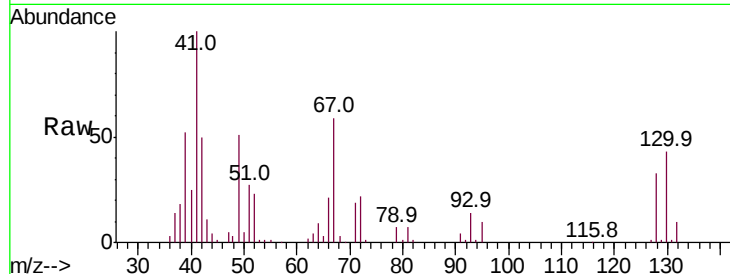
#41  
Methacrylonitrile  
Concen: 51.268 ug/l m  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

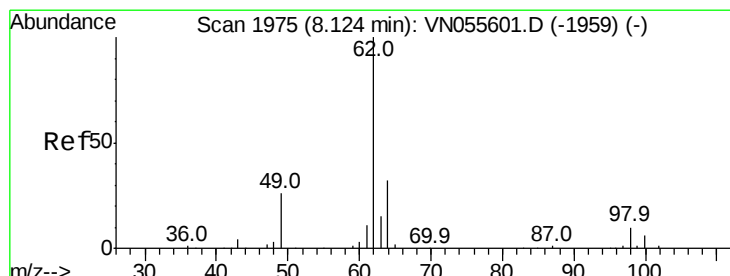
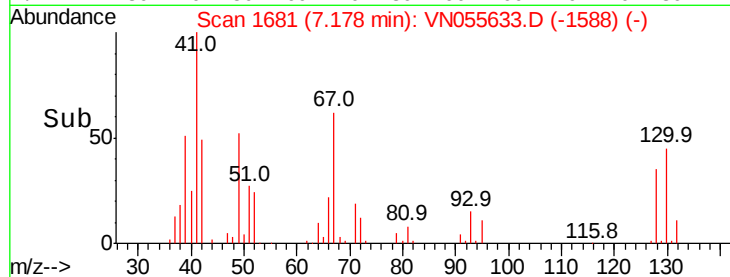
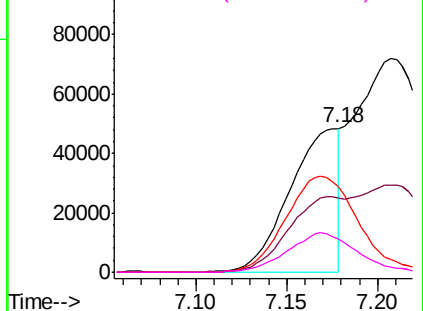
| Tot Ion   | 41  | Resp  | 91271 |
|-----------|-----|-------|-------|
| Ion Ratio | 100 | Lower | Upper |
| 41        | 100 |       |       |
| 39        | 0.0 | 0.0   | 0.0   |
| 67        | 0.0 | 0.0   | 0.0   |
| 52        | 0.0 | 0.0   | 0.0   |

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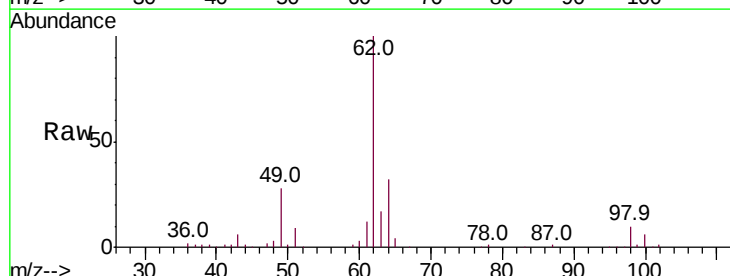


Abundance Ion 41.00 (40.70 to 41.70): VNC  
Ion 39.00 (38.70 to 39.70): VNC  
Ion 67.00 (66.70 to 67.70): VNC  
Ion 52.00 (51.70 to 52.70): VNC

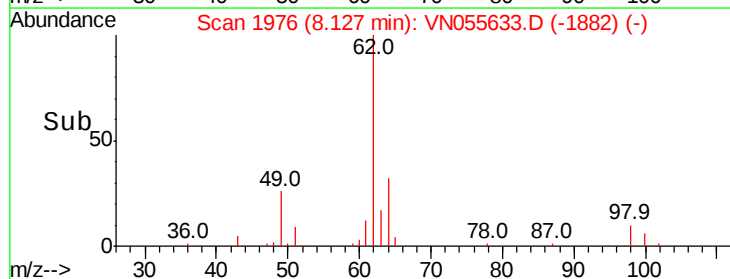
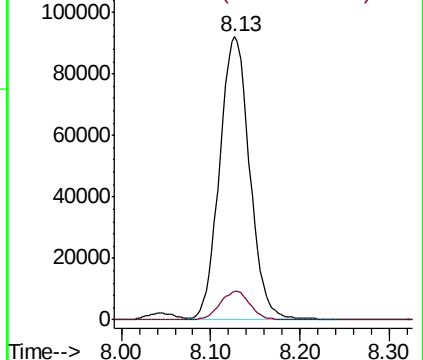


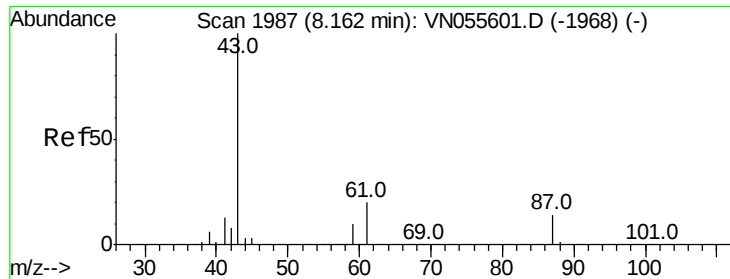
#42  
1,2-Dichloroethane  
Concen: 48.807 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion   | 62   | Resp  | 214514 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 62        | 100  |       |        |
| 98        | 10.1 | 0.0   | 20.2   |



Abundance Ion 61.90 (61.60 to 62.60): VNC  
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 49.030 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

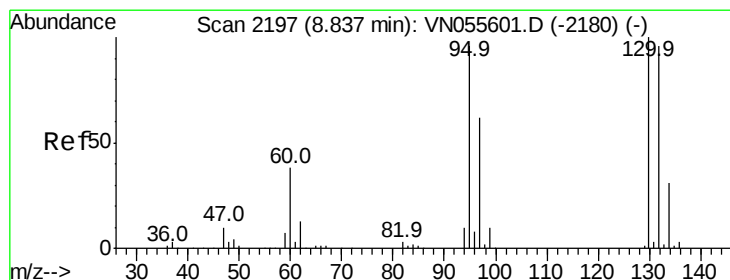
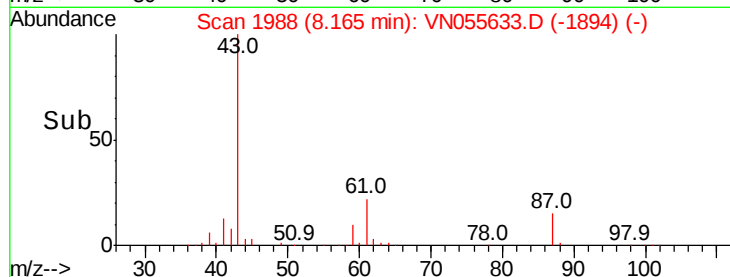
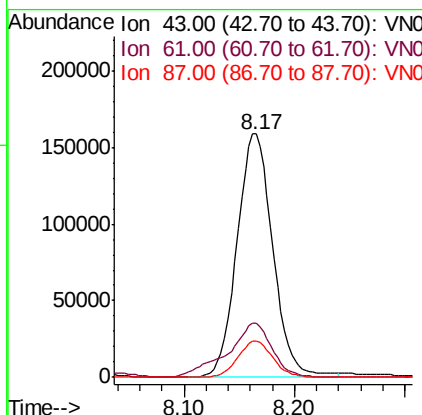
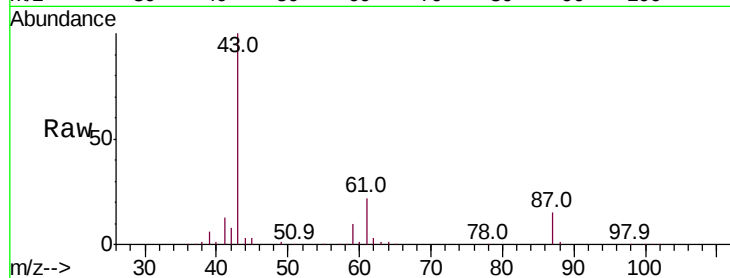
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 355138 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 27.9  | 22.1  | 33.1   |
| 87        | 14.8  | 11.8  | 17.6   |

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#44

Trichloroethene

Concen: 49.782 ug/l

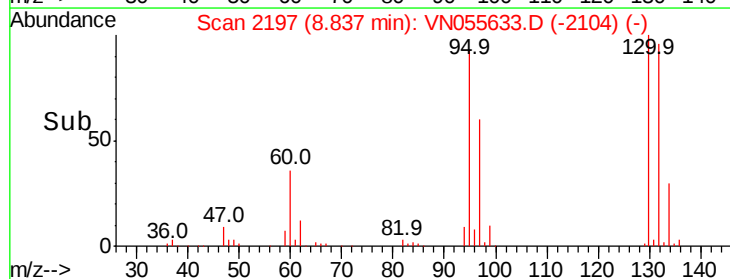
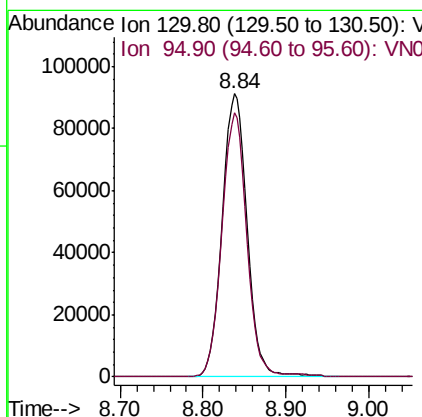
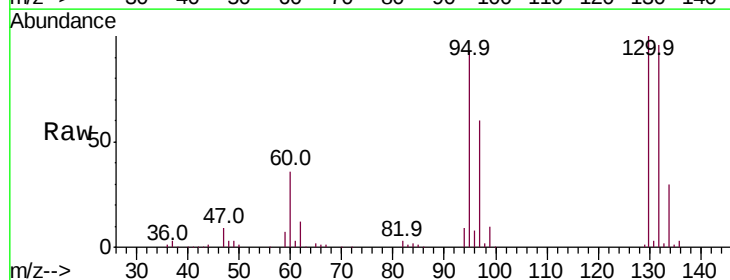
RT: 8.84 min Scan# 2197

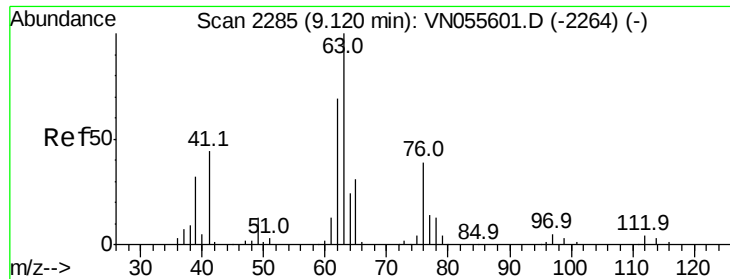
Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 190658 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 93.2  | 0.0   | 191.0  |





#45

1,2-Dichloropropane

Concen: 47.769 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 170805

Ion Ratio Lower Upper

63 100

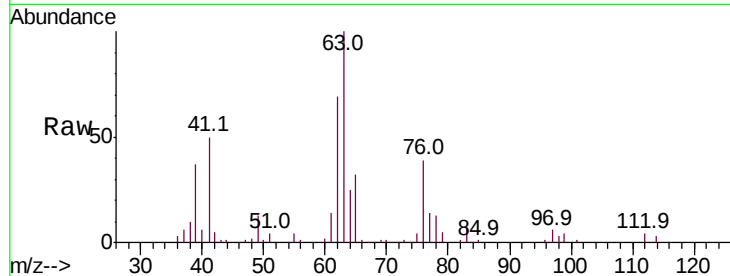
65 32.0 25.2 37.8

Manual Integrations

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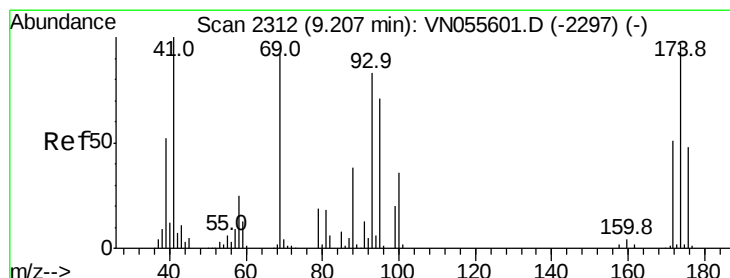
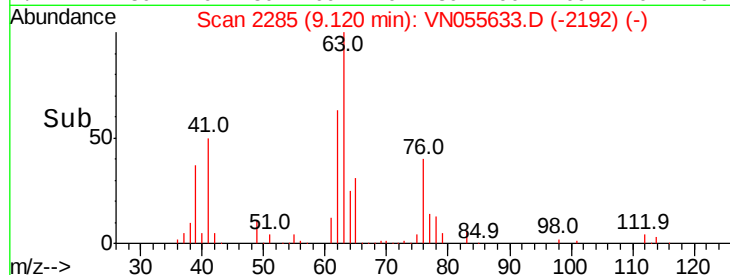
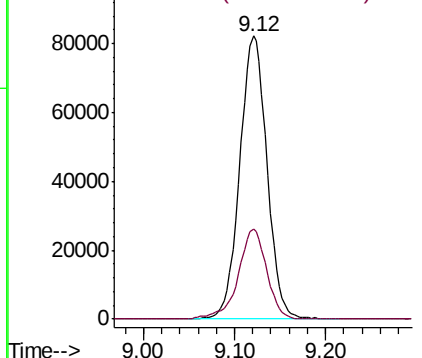
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.769 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

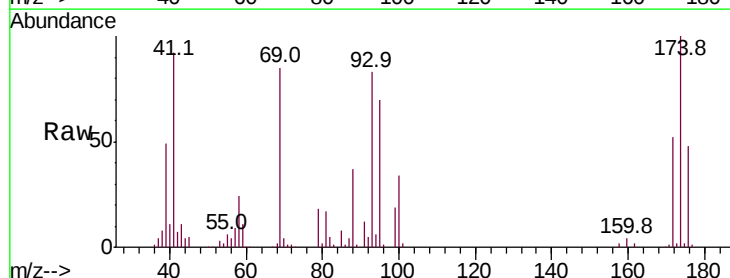
Tgt Ion: 93 Resp: 114130

Ion Ratio Lower Upper

93 100

95 84.1 67.9 101.9

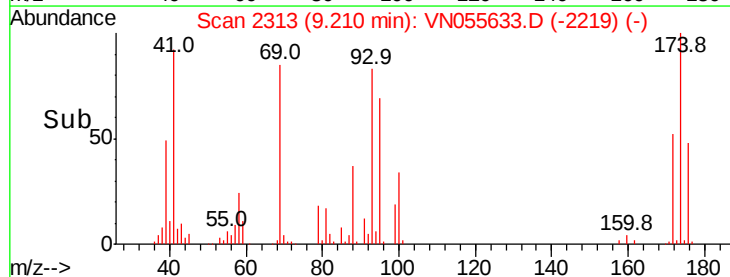
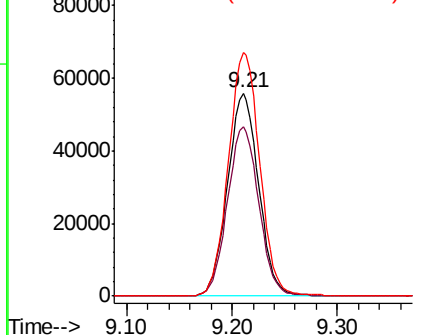
174 121.1 93.8 140.6

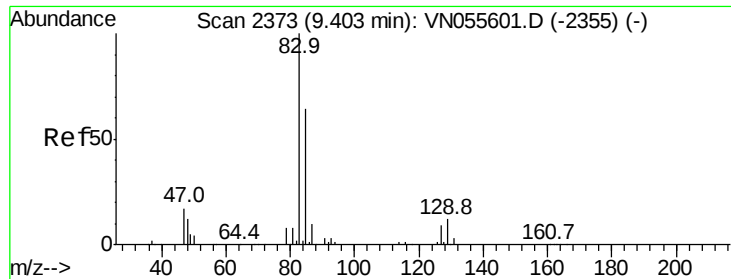


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.709 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

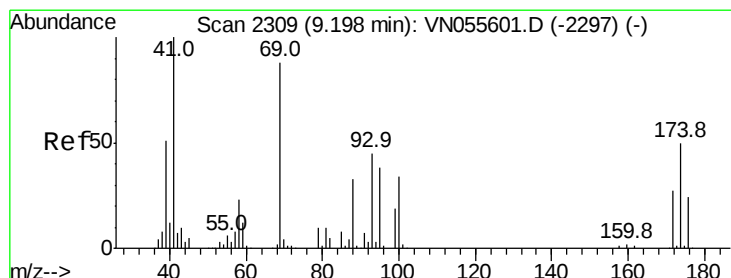
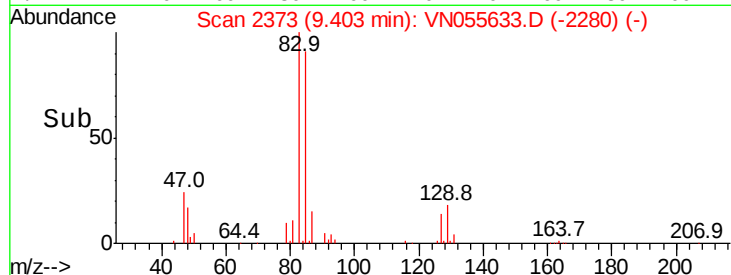
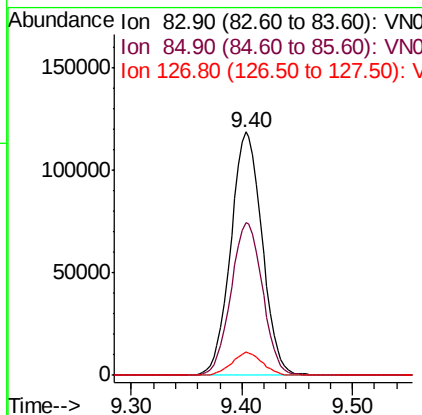
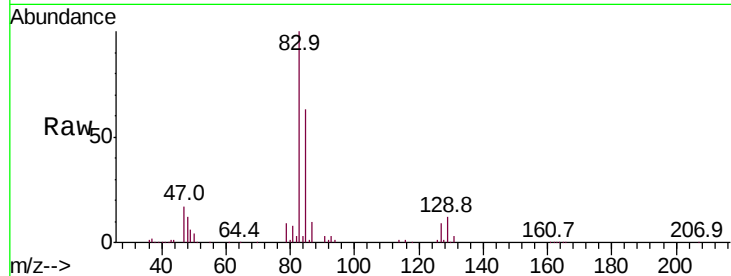
ClientSampleId :

VSTDCCC050EC

| Tot Ion | 83    | Resp  | 234003 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 85      | 62.8  | 51.4  | 77.0   |
| 127     | 9.4   | 7.1   | 10.7   |

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#48

Methyl methacrylate

Concen: 49.873 ug/l

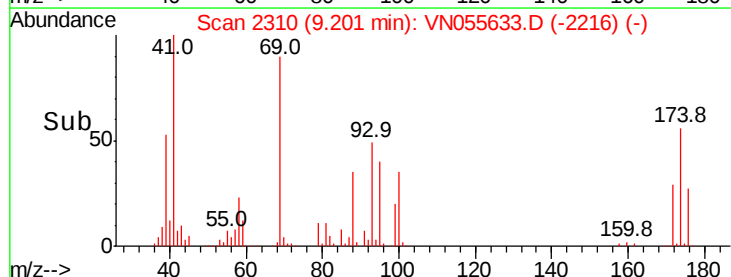
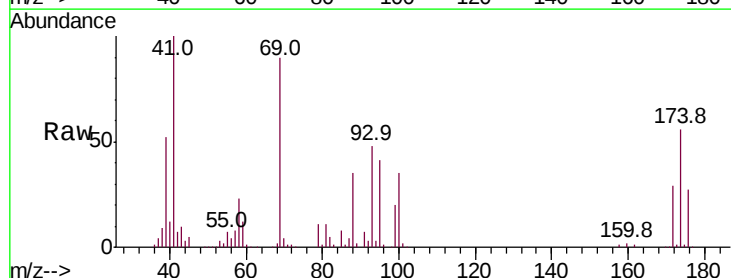
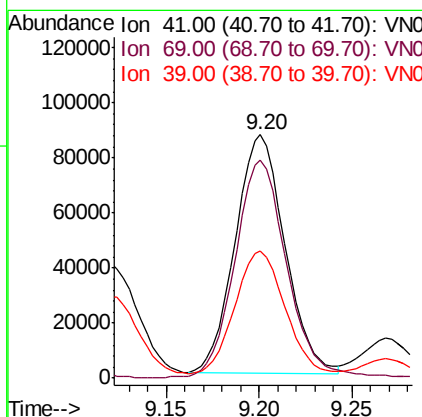
RT: 9.20 min Scan# 2310

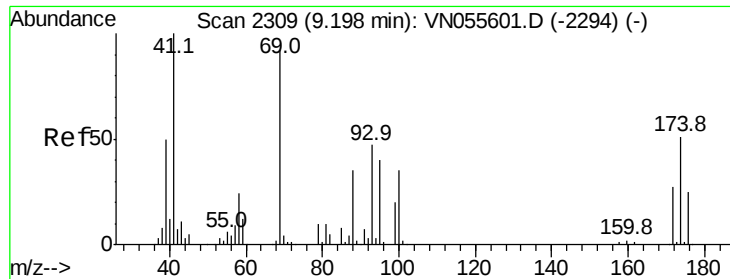
Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

| Tgt Ion | 41    | Resp  | 161465 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 41      | 100   |       |        |
| 69      | 96.5  | 74.2  | 111.2  |
| 39      | 55.7  | 43.8  | 65.8   |





#49

1,4-Dioxane

Concen: 1069.295 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

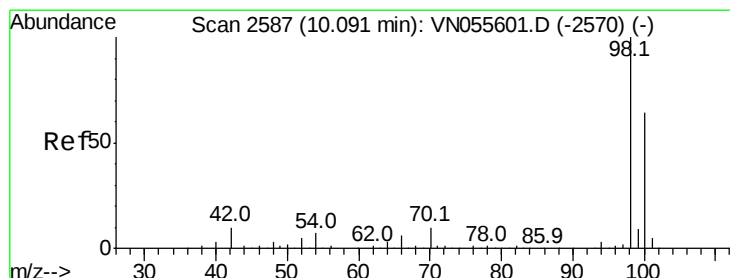
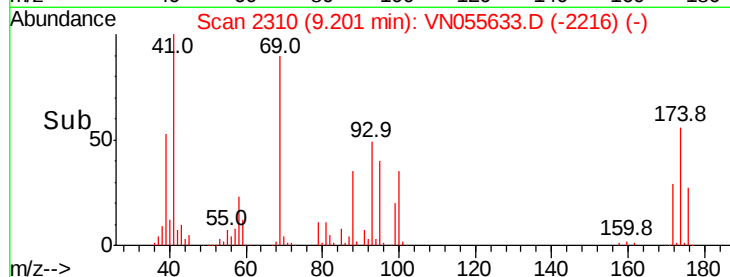
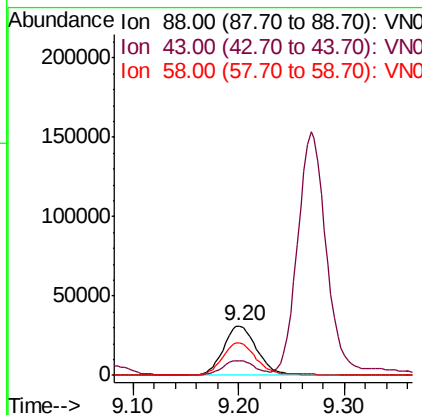
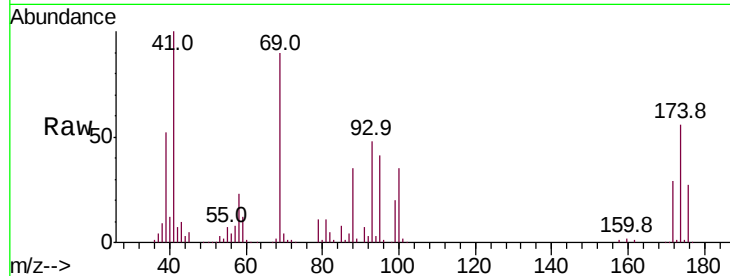
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 88    | Resp: | 68790 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 27.2  | 22.4  | 33.6  |
| 58       | 65.6  | 53.4  | 80.2  |

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#50

Toluene-d8

Concen: 49.755 ug/l

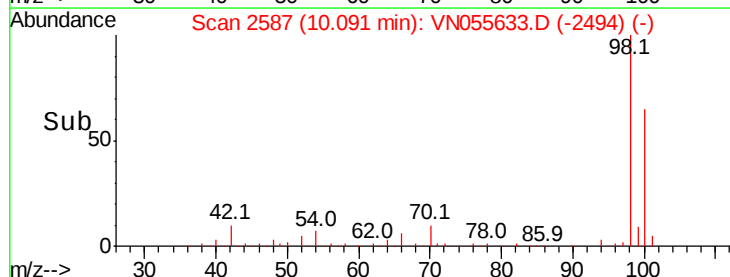
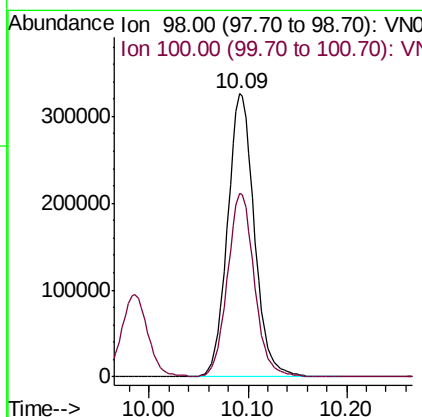
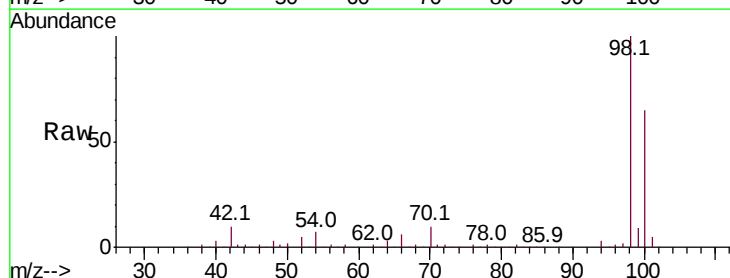
RT: 10.09 min Scan# 2587

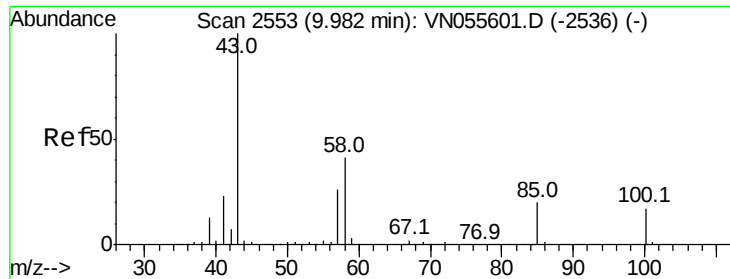
Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 618552 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.2  | 51.9  | 77.9   |





#51

4-Methyl-2-Pentanone

Concen: 247.958 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Tot Ion: 43 Resp: 1053528

Ion Ratio Lower Upper

43 100

58 41.1 32.7 49.1

Instrument :

MSVOA\_N

ClientSampleId :

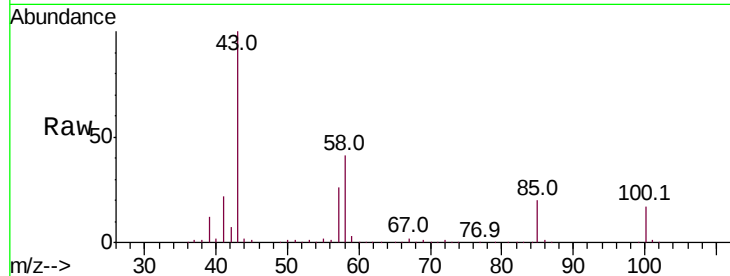
VSTDCCC050EC

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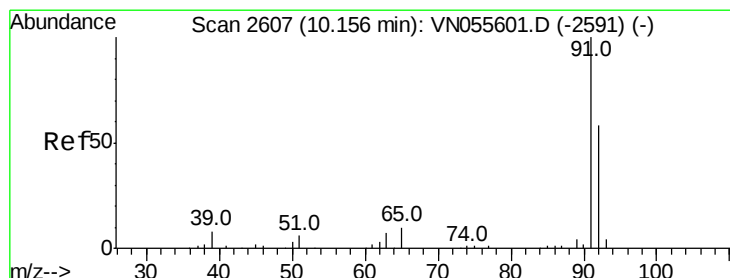
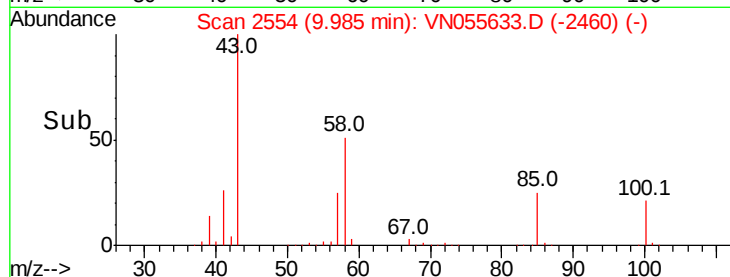
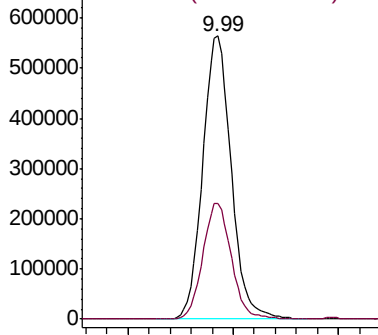
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.181 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055633.D

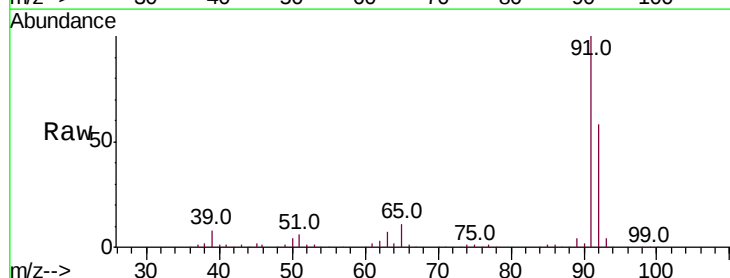
Acq: 18 May 2019 00:14

Tgt Ion: 92 Resp: 410166

Ion Ratio Lower Upper

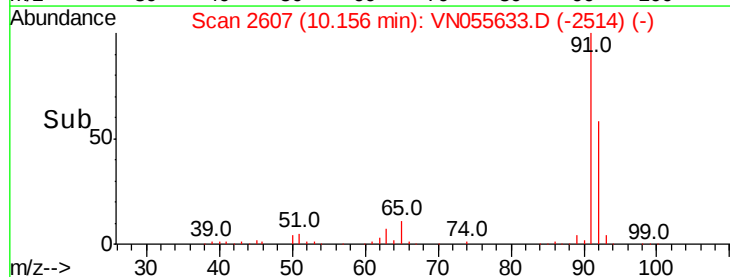
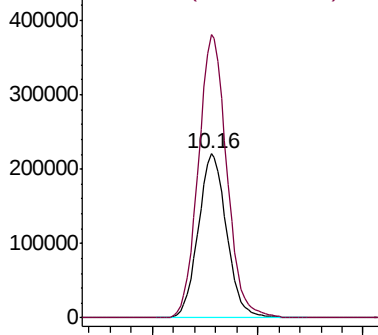
92 100

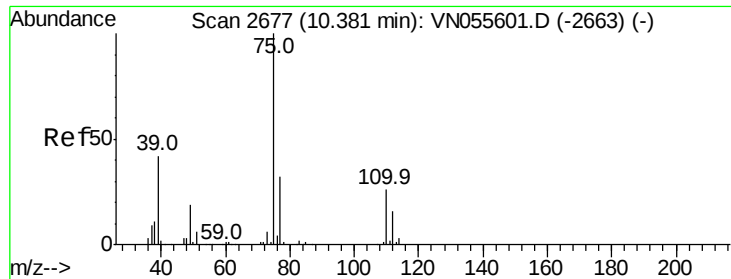
91 173.4 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





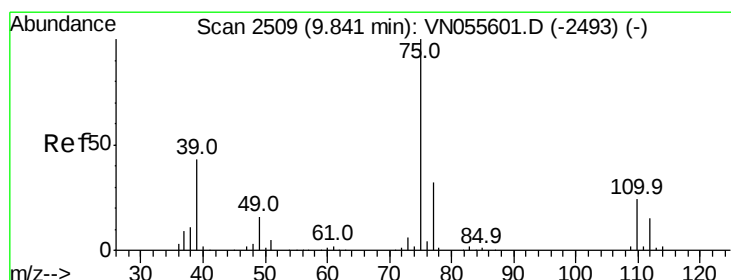
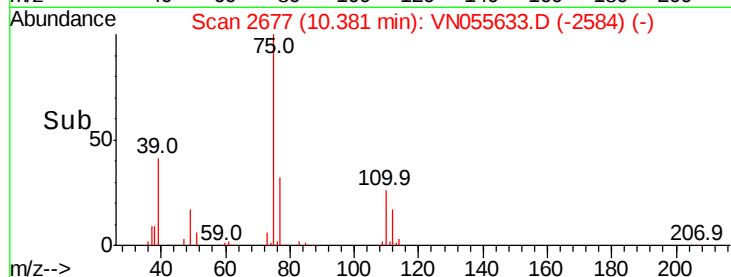
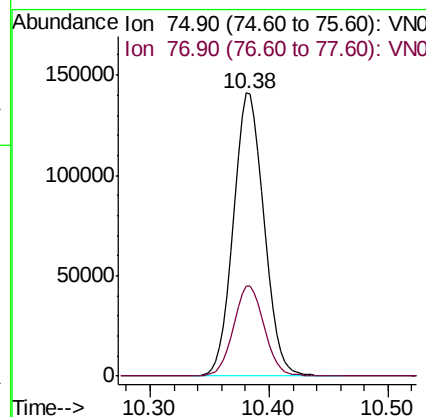
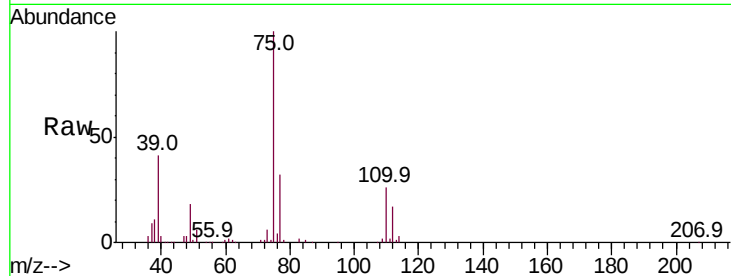
#53  
 t-1,3-Dichloropropene  
 Concen: 47.692 ug/l  
 RT: 10.38 min Scan# 2677  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 75 Resp: 251766  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 25.4 38.2

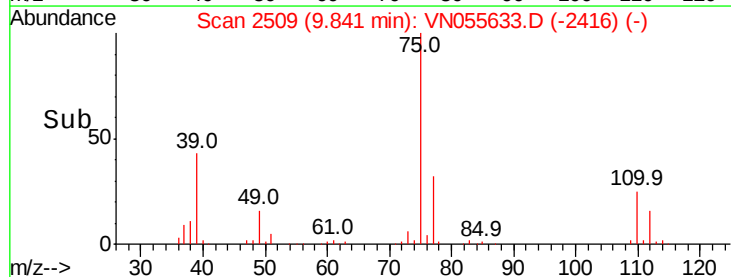
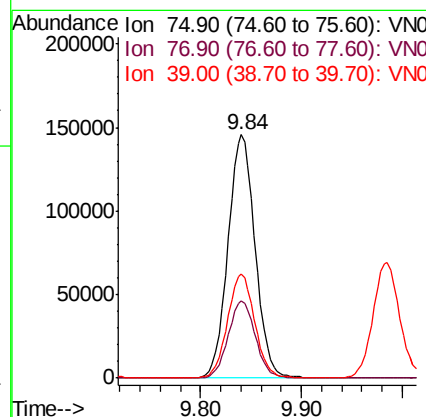
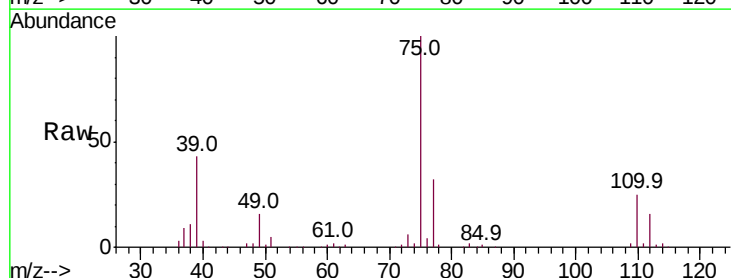
Manual Integrations  
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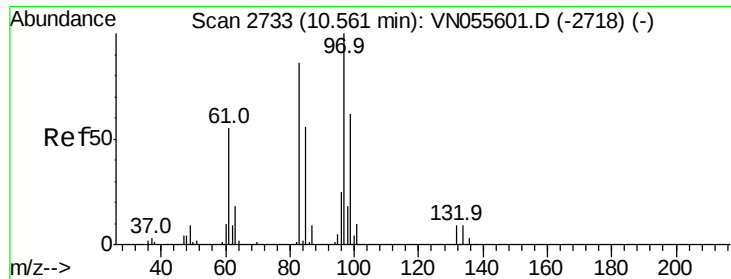
MMDadoda  
 5/20/2019 9:09:26 AM



#54  
 cis-1,3-Dichloropropene  
 Concen: 47.237 ug/l  
 RT: 9.84 min Scan# 2509  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

Tgt Ion: 75 Resp: 273181  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.7 38.5  
 39 43.0 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 48.100 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 168576

Ion Ratio Lower Upper

97 100

83 85.0 68.4 102.6

85 55.9 44.8 67.2

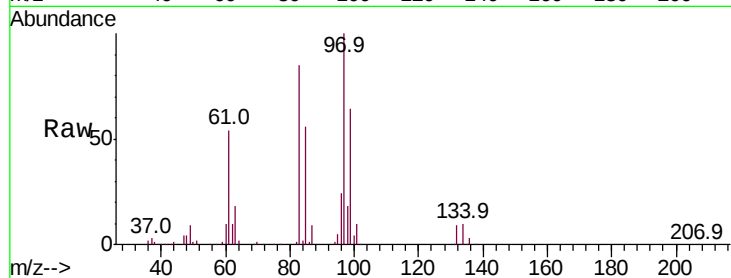
99 63.9 49.9 74.9

Manual Integrations

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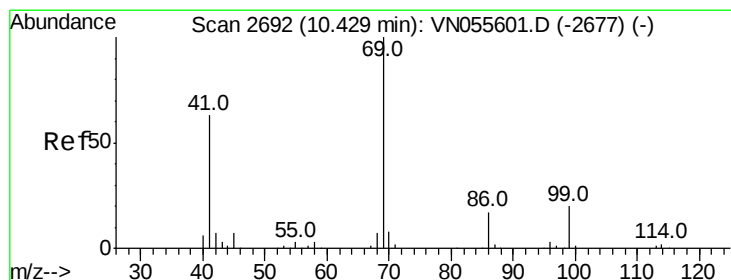
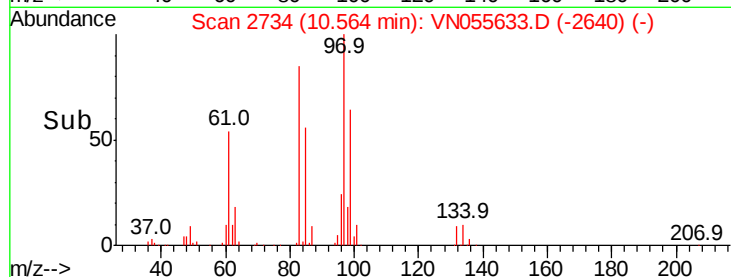
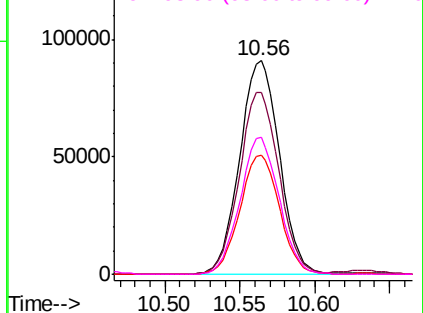


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 47.668 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

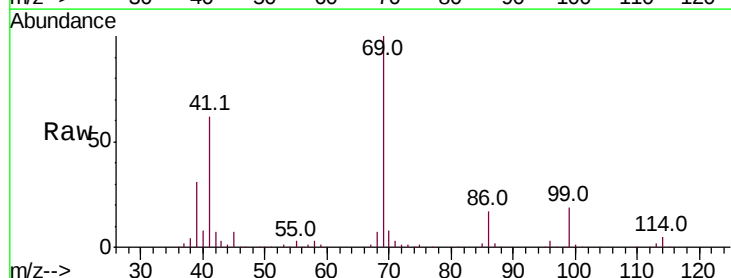
Tgt Ion: 69 Resp: 260790

Ion Ratio Lower Upper

69 100

41 62.3 50.3 75.5

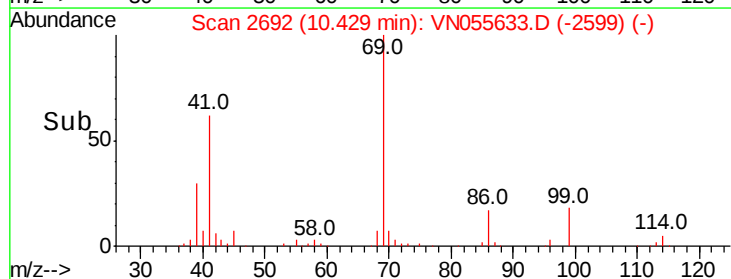
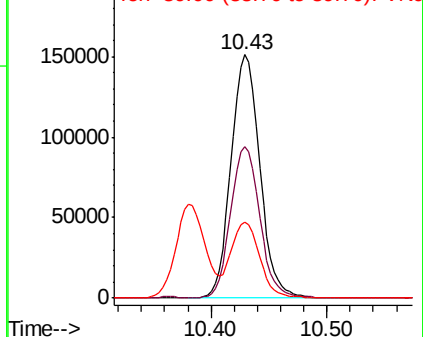
39 31.5 25.4 38.2

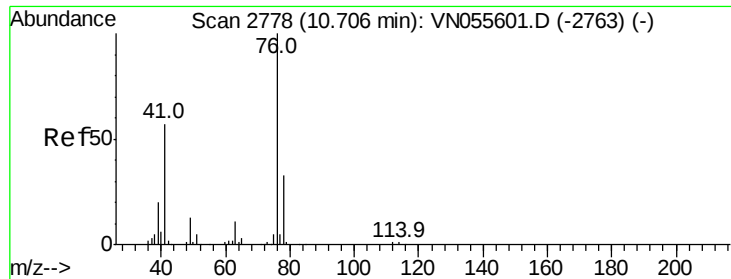


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.166 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 272906

Ion Ratio Lower Upper

76 100

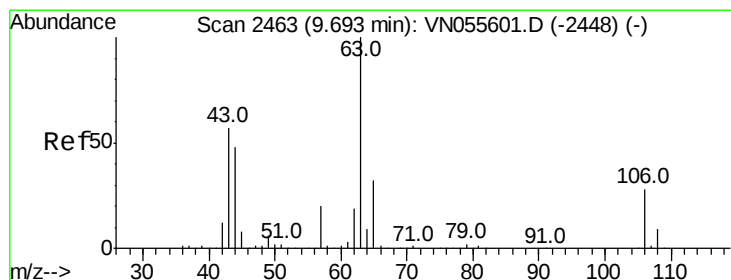
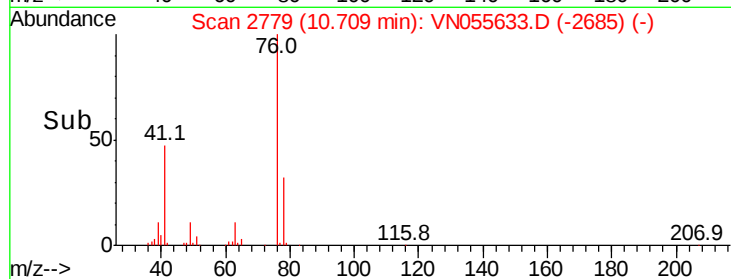
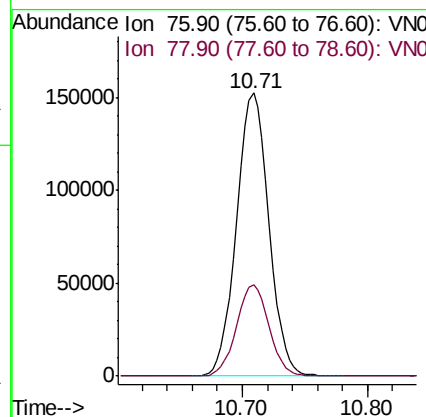
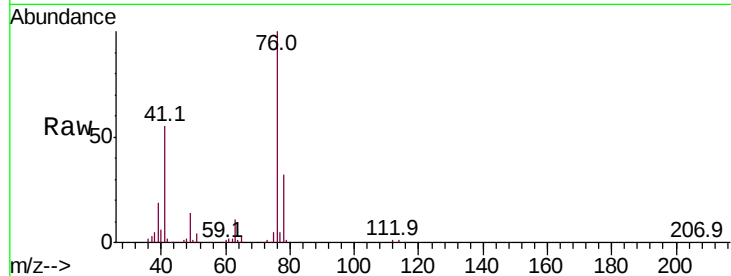
78 32.3 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 243.641 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055633.D

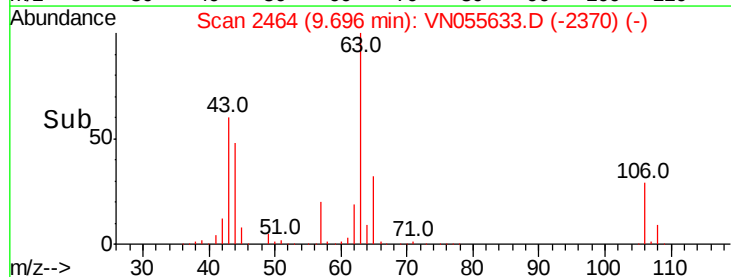
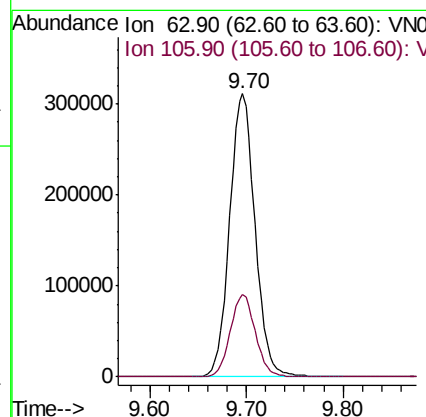
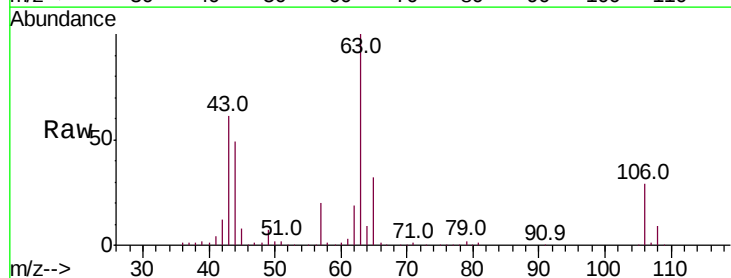
Acq: 18 May 2019 00:14

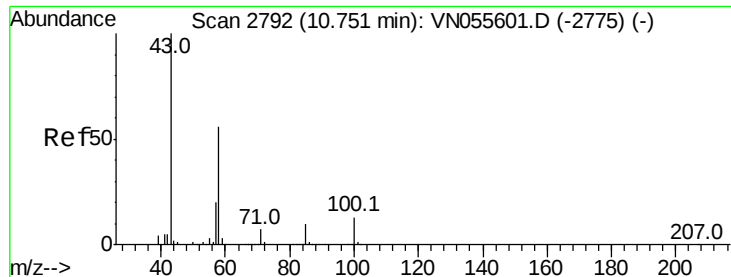
Tgt Ion: 63 Resp: 566367

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6





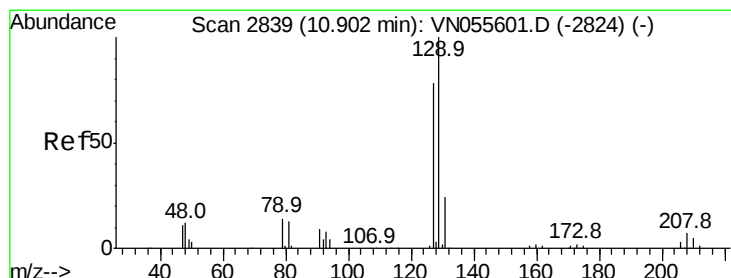
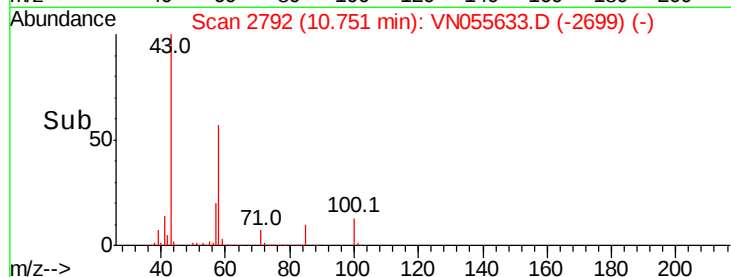
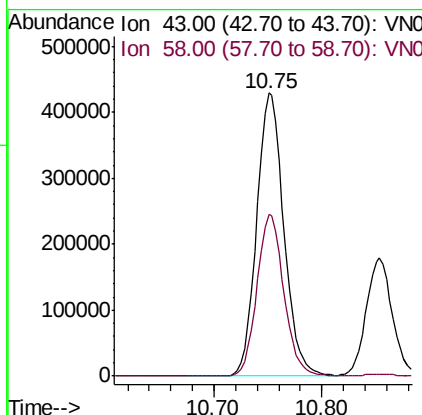
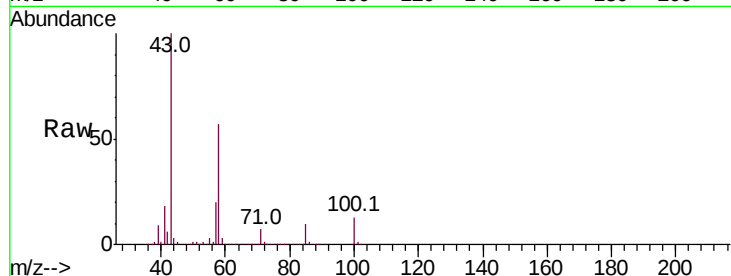
#59  
2-Hexanone  
Concen: 249.433 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 56.9  | 28.1  | 84.4  |

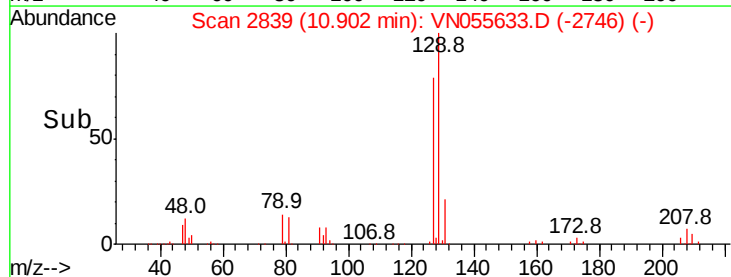
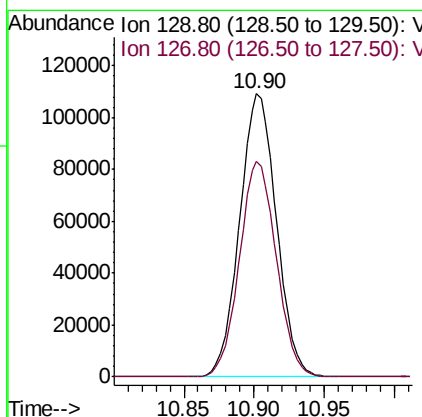
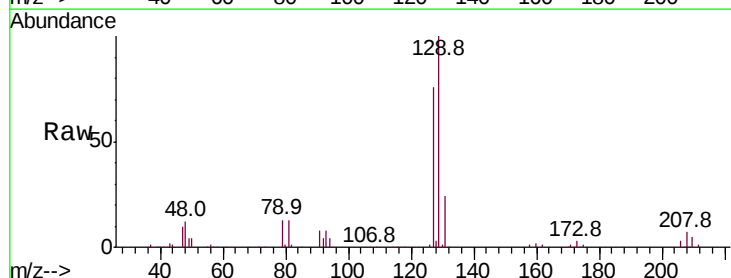
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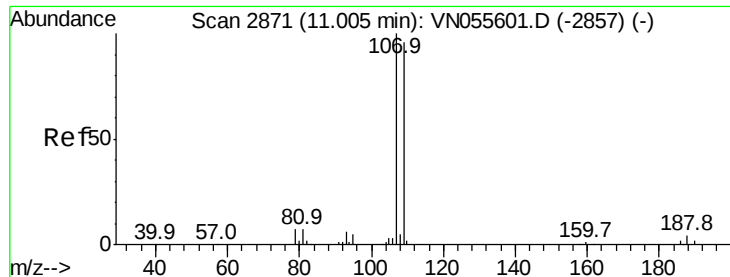
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#60  
Dibromochloromethane  
Concen: 50.261 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 129     | 100   |       |       |
| 127     | 76.4  | 38.6  | 115.8 |





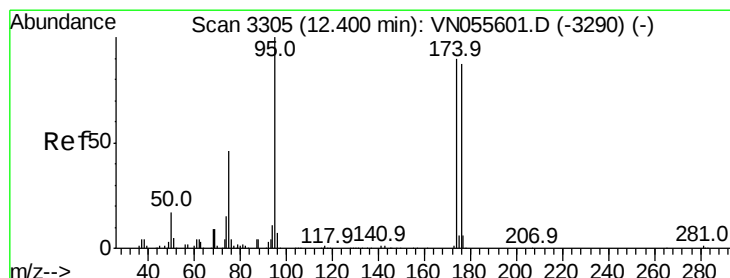
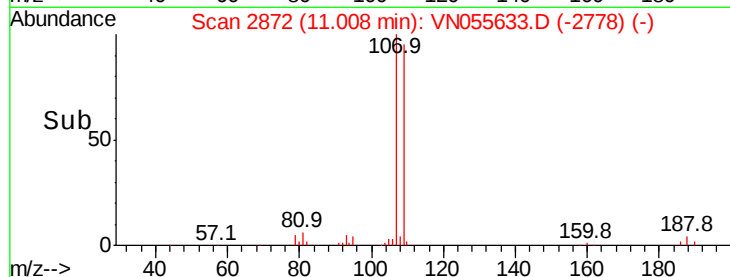
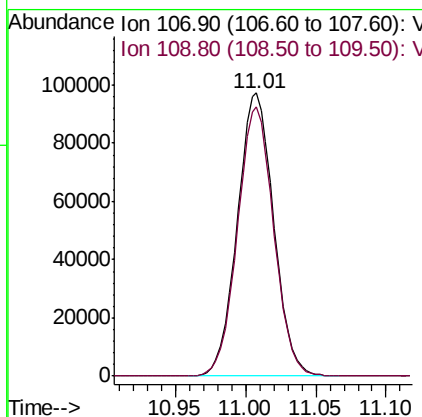
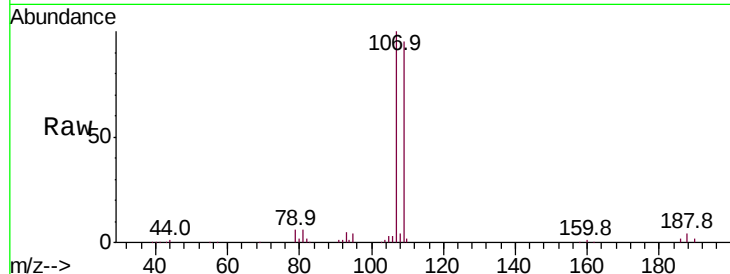
#61  
1,2-Dibromoethane  
Concen: 49.989 ug/l  
RT: 11.01 min Scan# 2872  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.7  | 75.6  | 113.4 |

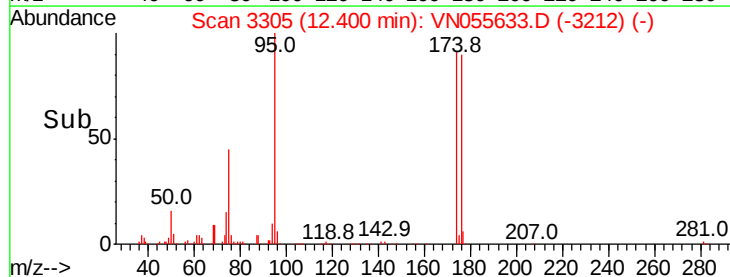
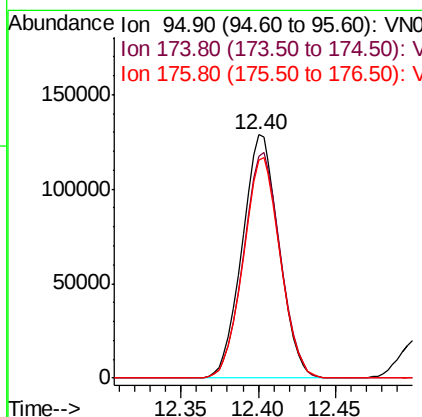
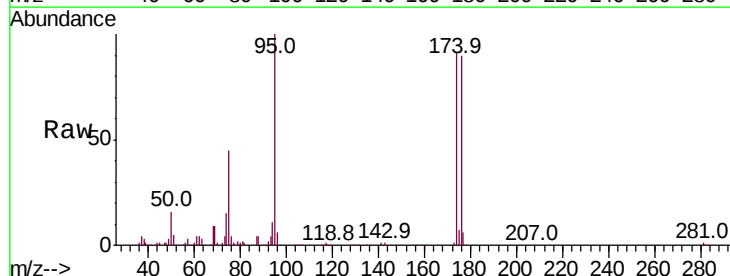
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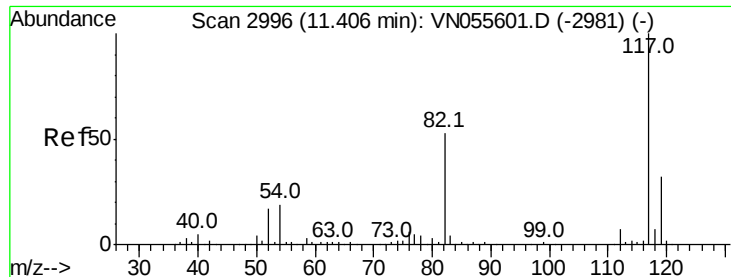
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#62  
4-Bromofluorobenzene  
Concen: 49.707 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 93.1  | 0.0   | 180.6 |
| 176     | 91.0  | 0.0   | 177.4 |





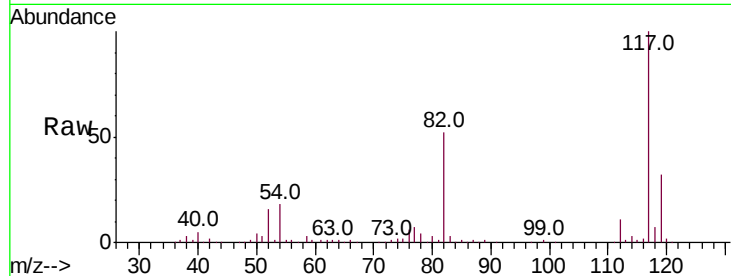
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.9  | 42.3  | 63.5  |
| 119     | 32.5  | 25.4  | 38.2  |

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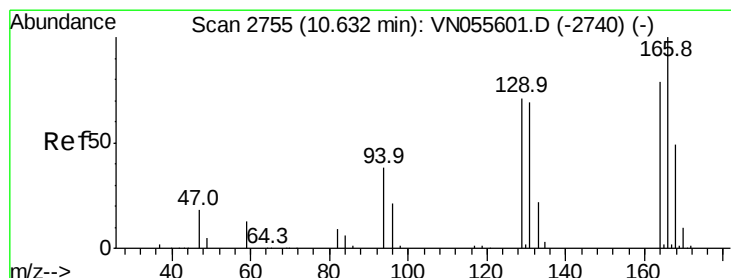
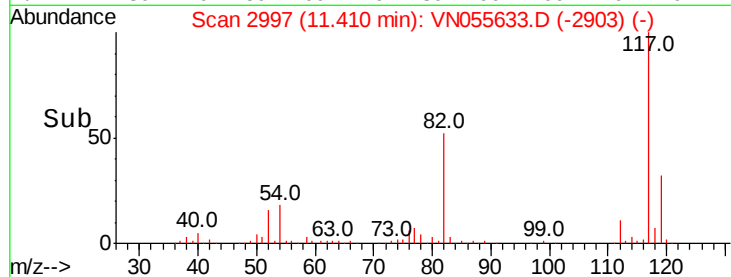
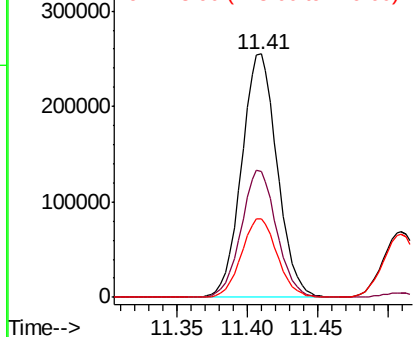


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 49.595 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.2 | 101.0 | 151.6 |
| 129     | 89.4  | 71.7  | 107.5 |
| 131     | 85.2  | 69.6  | 104.4 |

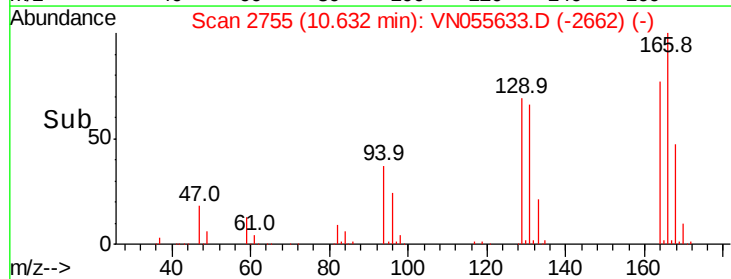
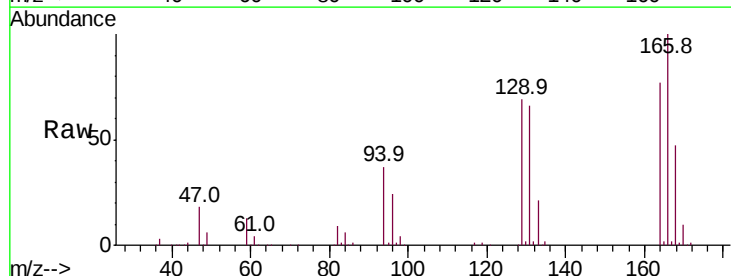
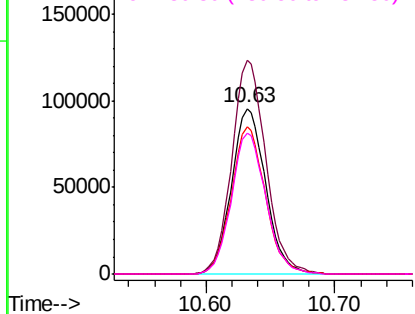
Abundance

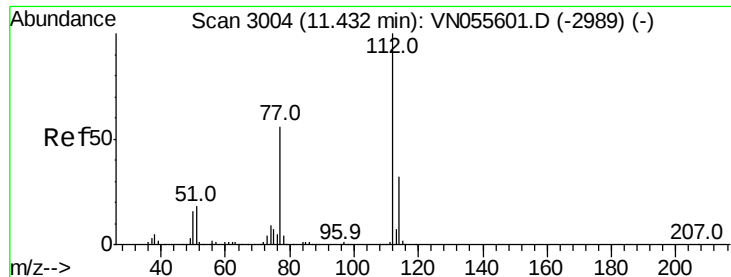
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





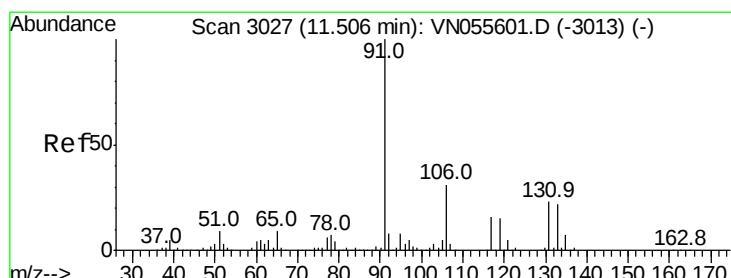
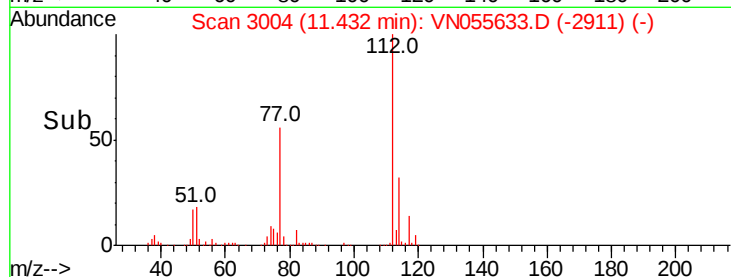
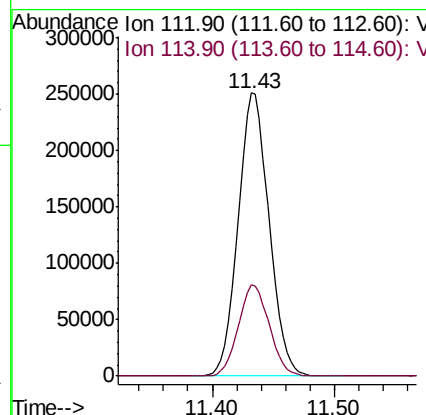
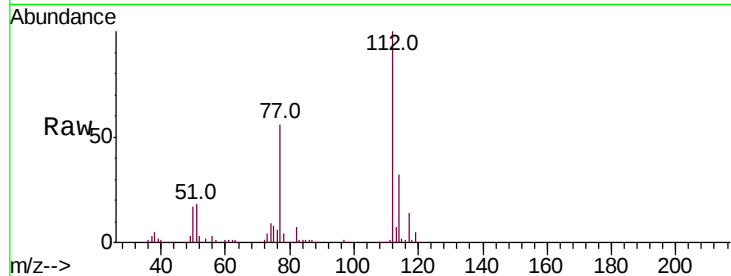
#65  
Chlorobenzene  
Concen: 48.368 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.2  | 25.6  | 38.4  |

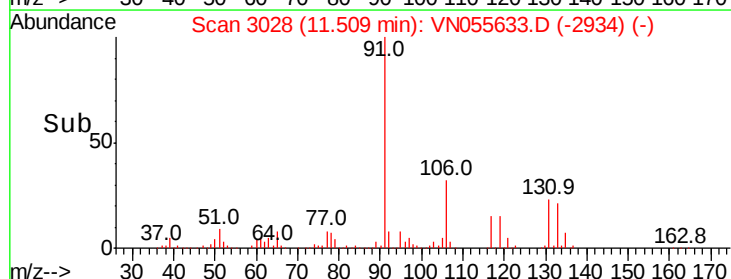
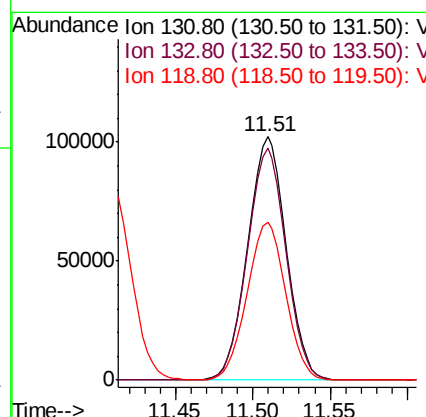
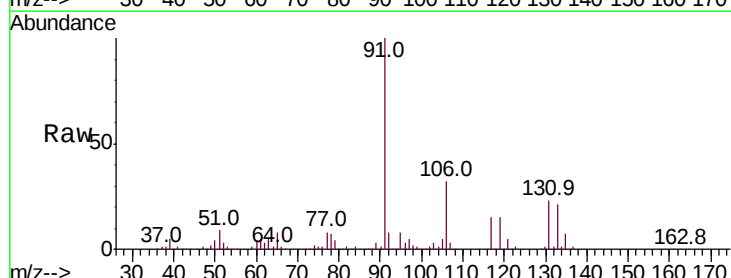
Manual Integrations  
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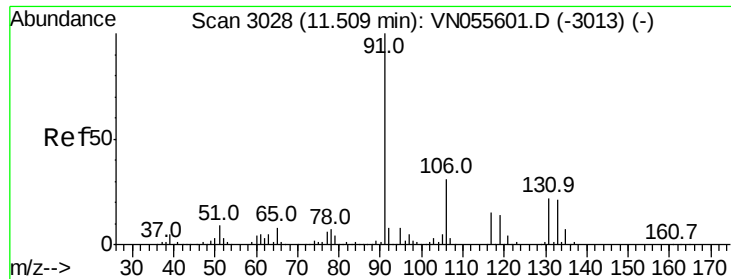
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.450 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 95.4  | 47.8  | 143.4 |
| 119     | 65.1  | 33.3  | 99.8  |





#67

Ethyl Benzene

Concen: 47.318 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 766988

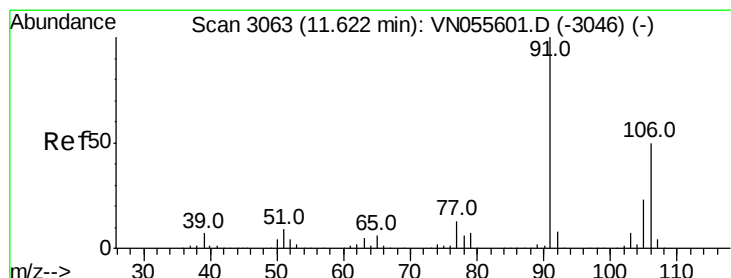
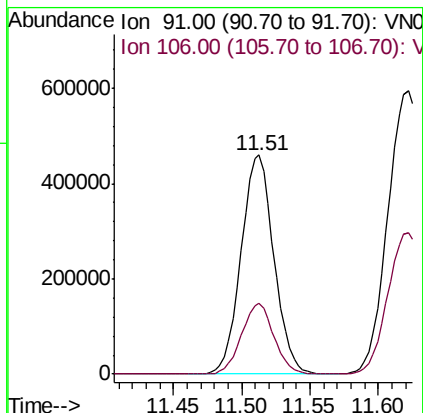
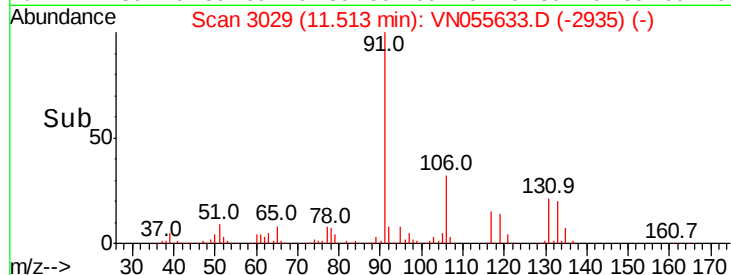
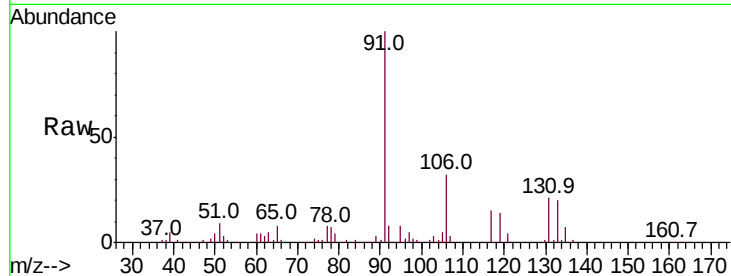
Ion Ratio Lower Upper

91 100

106 32.3 25.2 37.8

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#68

m/p-Xylenes

Concen: 94.902 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055633.D

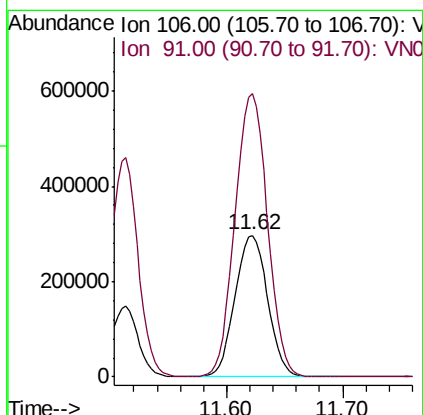
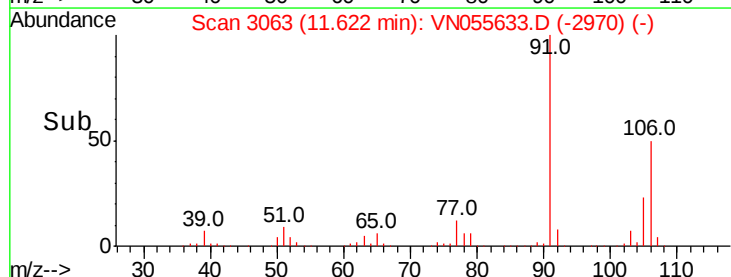
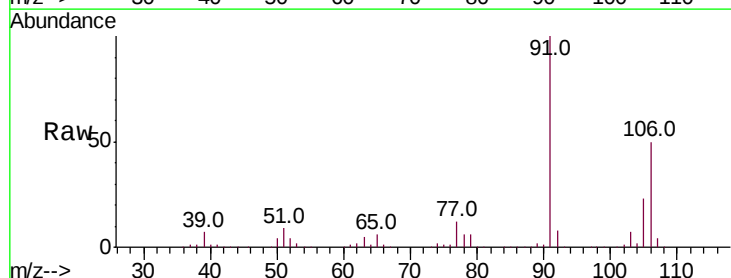
Acq: 18 May 2019 00:14

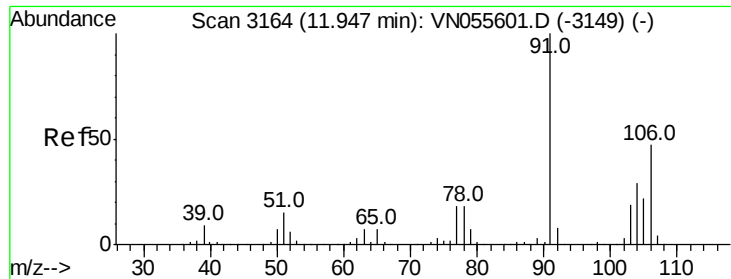
Tgt Ion:106 Resp: 580915

Ion Ratio Lower Upper

106 100

91 199.2 160.5 240.7





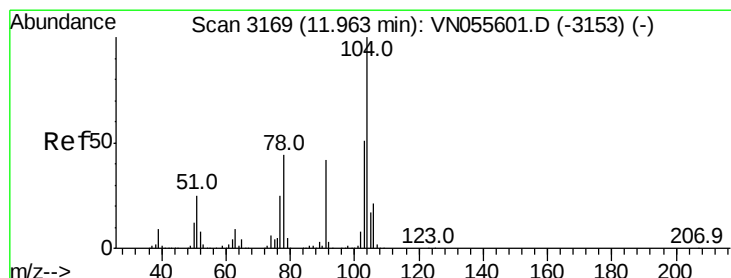
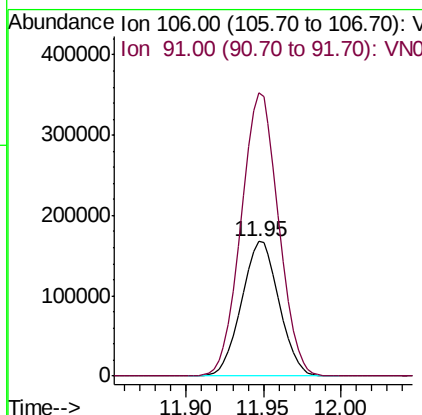
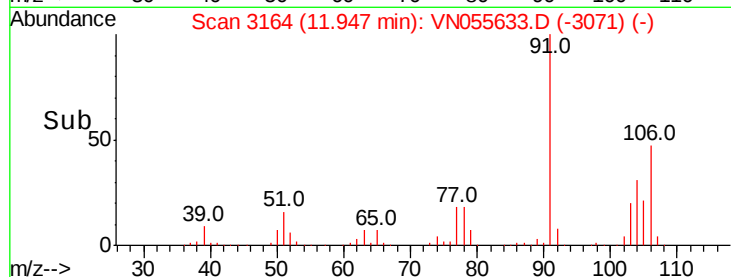
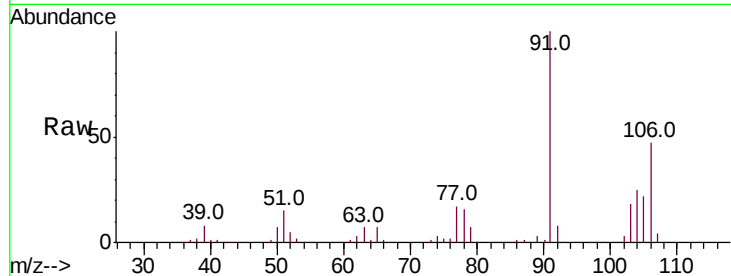
#69  
o-Xylene  
Concen: 47.293 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 283142  
Ion Ratio Lower Upper  
106 100  
91 209.8 106.7 320.2

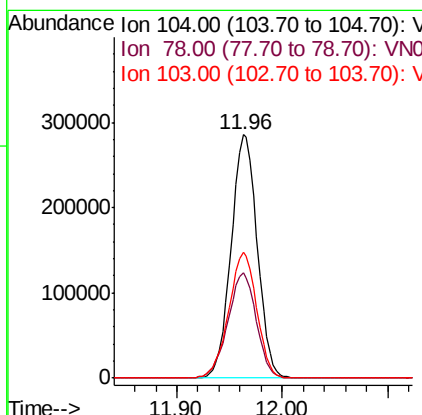
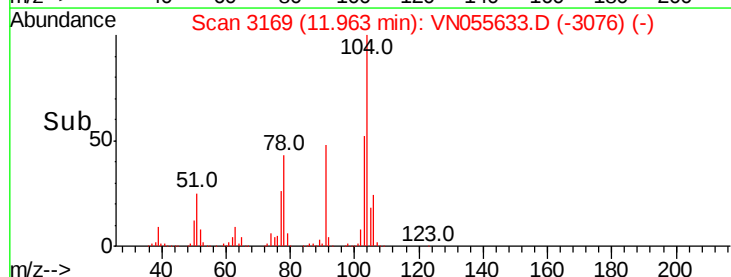
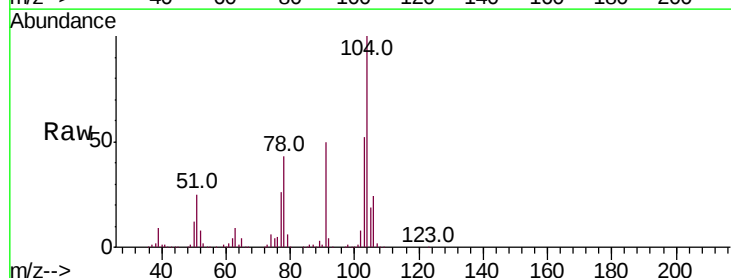
Manual Integrations  
APPROVED

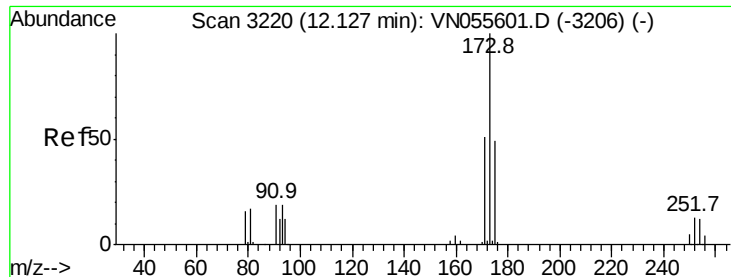
MMDadoda  
5/20/2019 9:09:26 AM



#70  
Styrene  
Concen: 49.121 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Tgt Ion:104 Resp: 488986  
Ion Ratio Lower Upper  
104 100  
78 46.9 38.6 58.0  
103 55.2 44.4 66.6





#71

Bromoform

Concen: 51.097 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 158506

Ion Ratio Lower Upper

173 100

175 48.1 24.3 72.9

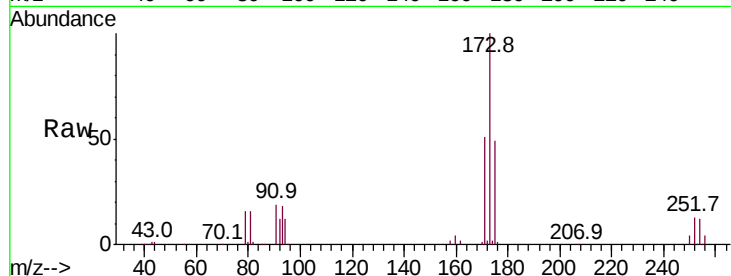
254 0.1 0.1 0.1

Manual Integrations

APPROVED

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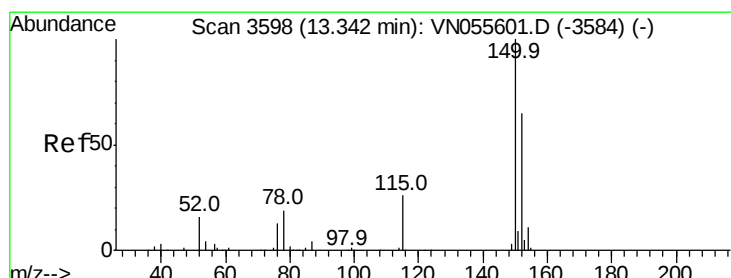
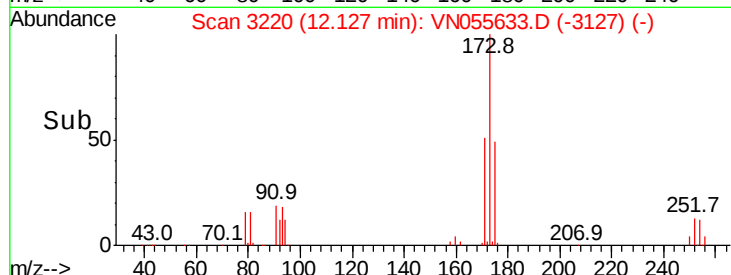
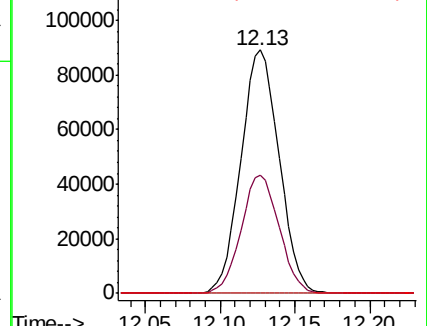
5/20/2019 9:09:26 AM



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: VN055633.D

Acq: 18 May 2019 00:14

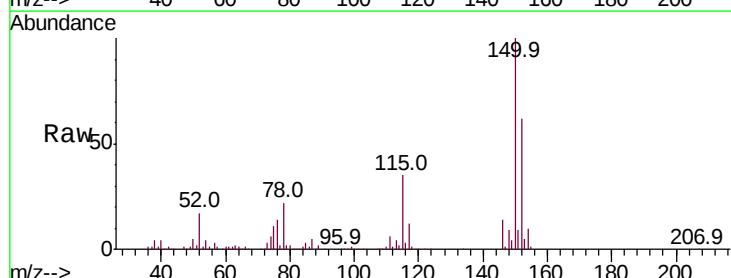
Tgt Ion:152 Resp: 206061

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.2

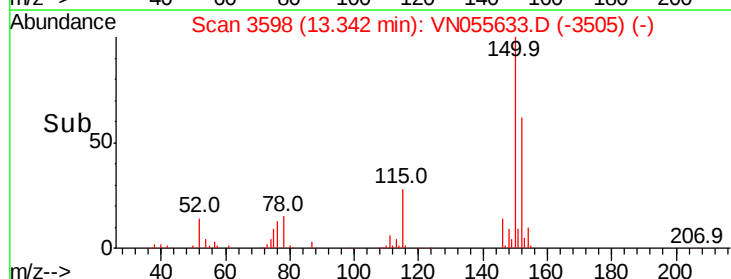
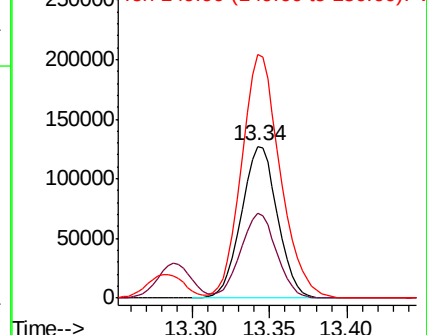
150 172.4 0.0 348.0

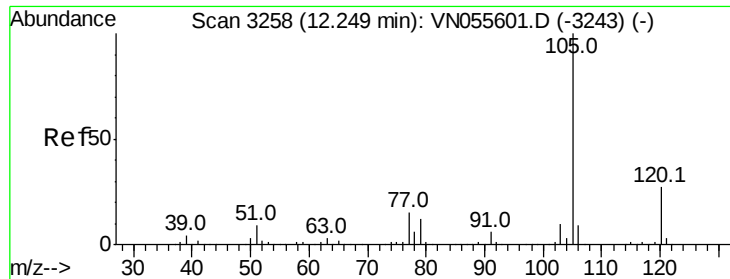


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.766 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 747312

Ion Ratio Lower Upper

105 100

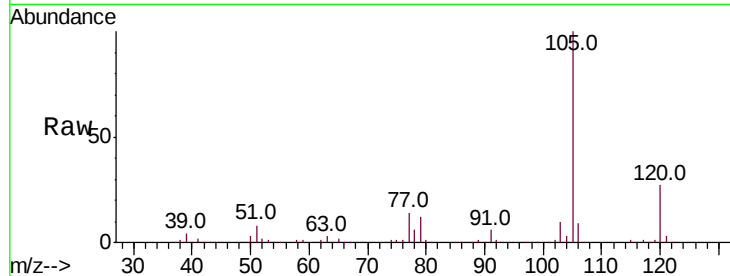
120 27.0 13.4 40.2

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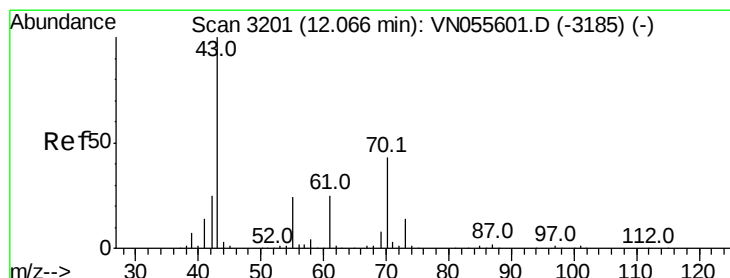
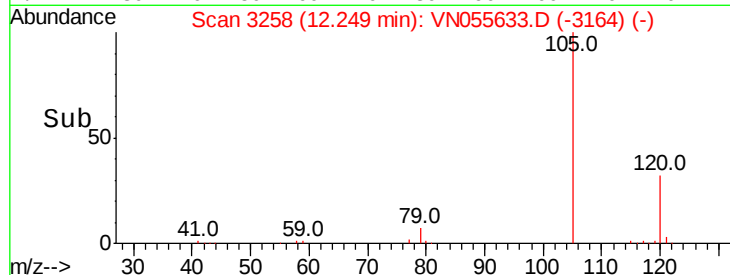
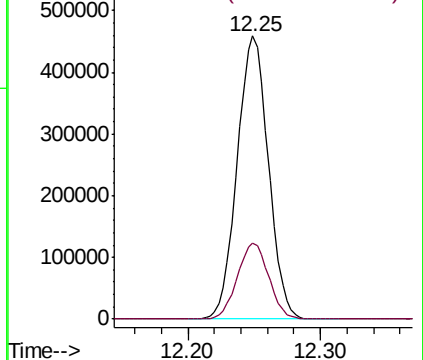
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.433 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Tgt Ion: 43 Resp: 286026

Ion Ratio Lower Upper

43 100

70 44.5 35.0 52.6

55 23.7 18.9 28.3

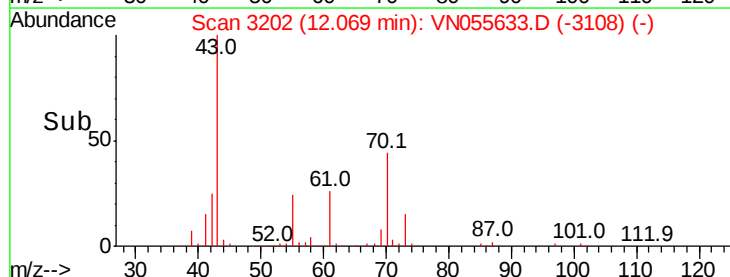
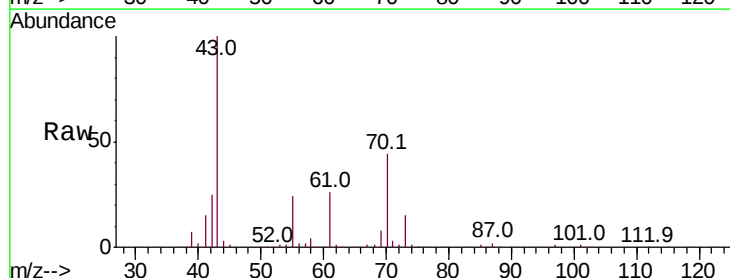
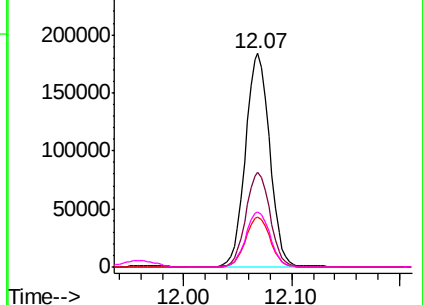
61 26.0 20.1 30.1

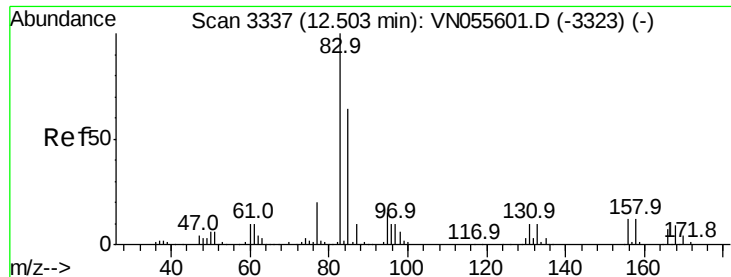
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.997 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 235004

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

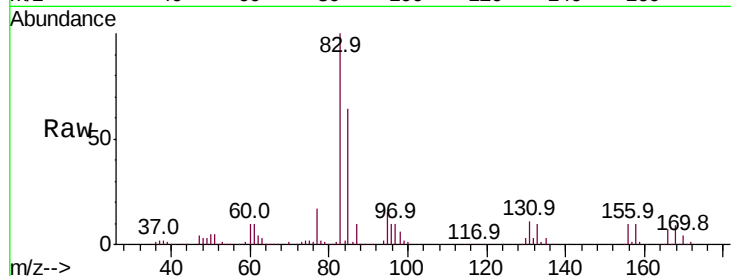
85 64.6 32.0 96.2

Manual Integrations

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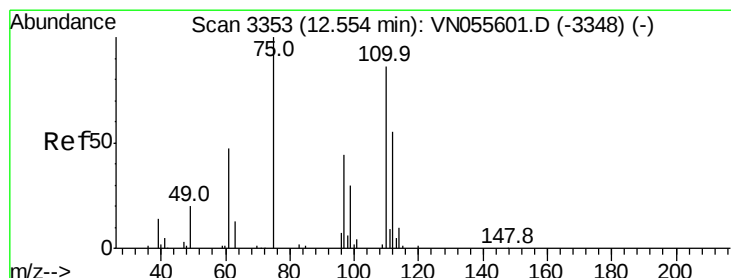
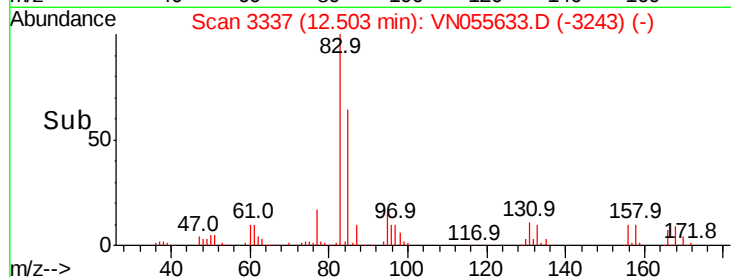
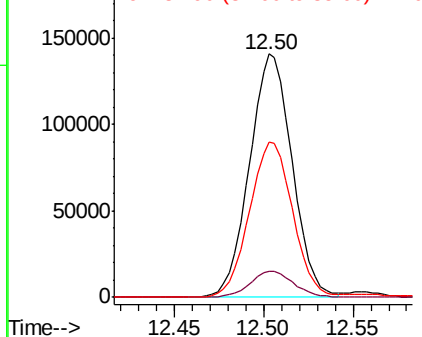
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Abundance Ion 82.90 (82.60 to 83.60): VN055633.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055633.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055633.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 46.382 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055633.D

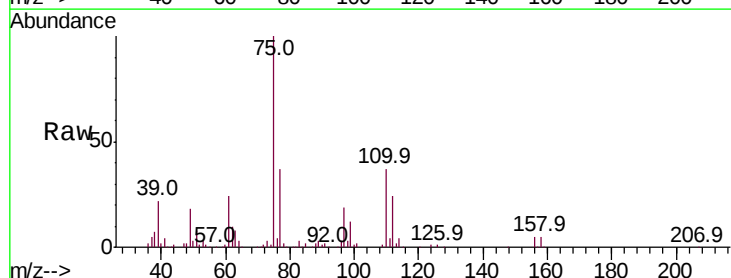
Acq: 18 May 2019 00:14

Tgt Ion: 75 Resp: 195025

Ion Ratio Lower Upper

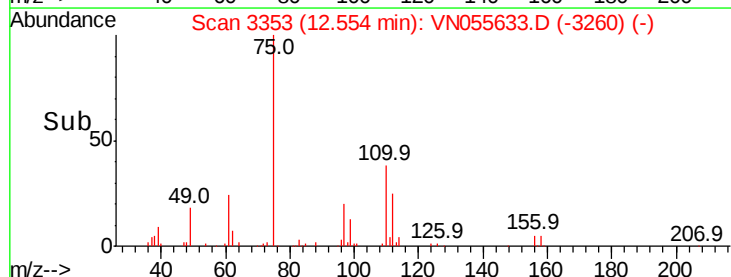
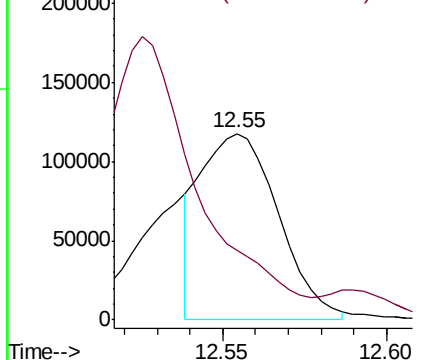
75 100

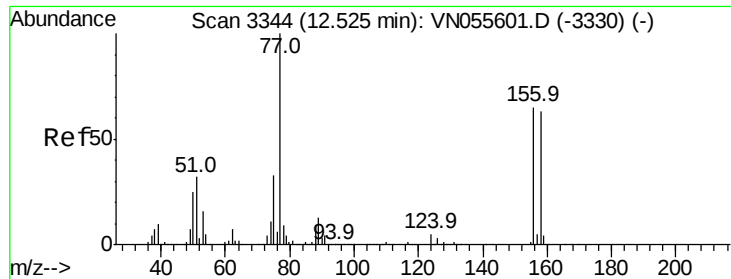
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055633.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055633.D (-3260) (-)





#77

Bromobenzene

Concen: 47.520 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

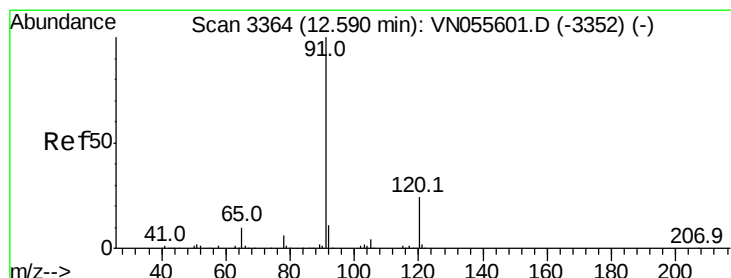
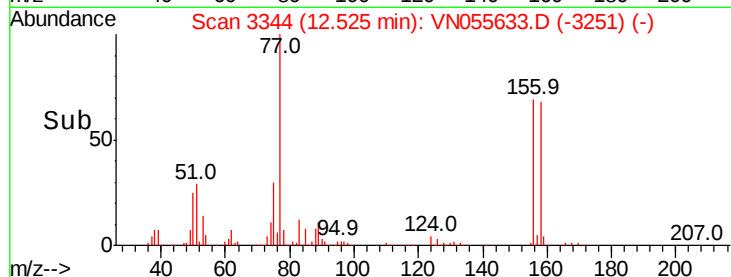
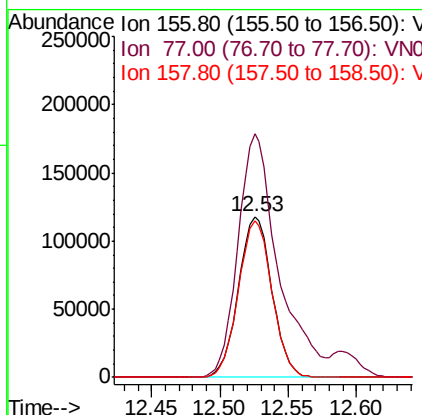
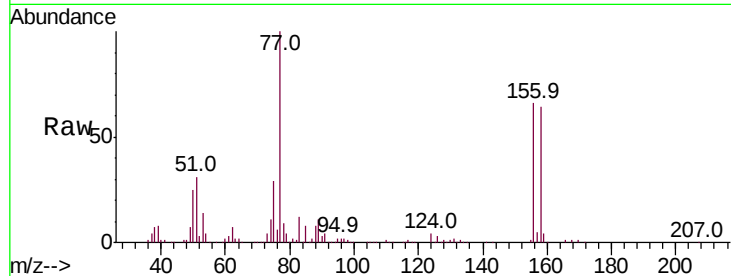
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 201099 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 182.5 | 94.5  | 283.5  |
| 158       | 97.6  | 49.0  | 147.2  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 44.656 ug/l

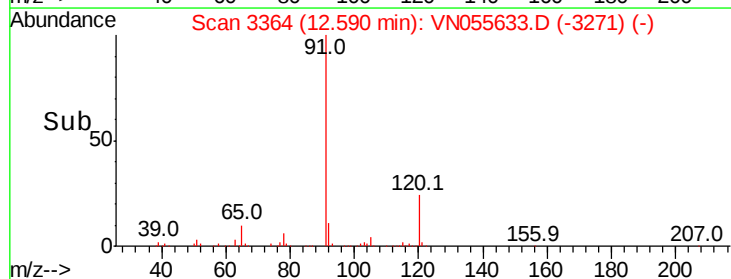
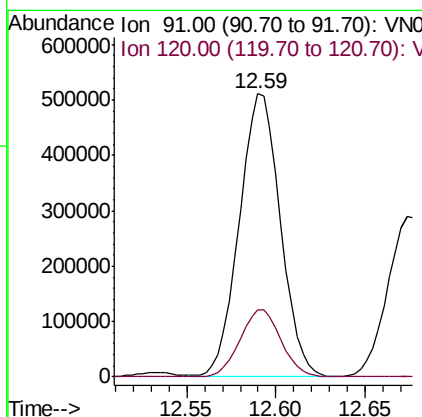
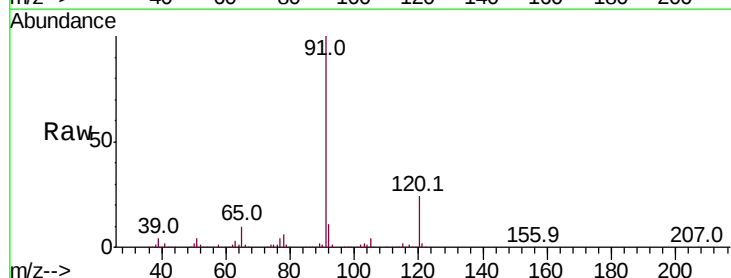
RT: 12.59 min Scan# 3364

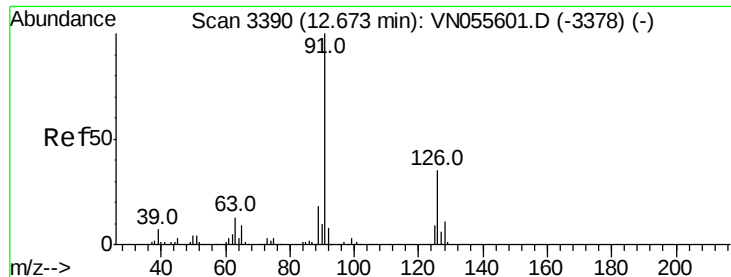
Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 817154 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.9  | 11.9  | 35.5   |





#79

2-Chlorotoluene

Concen: 49.769 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 487470

Ion Ratio Lower Upper

91 100

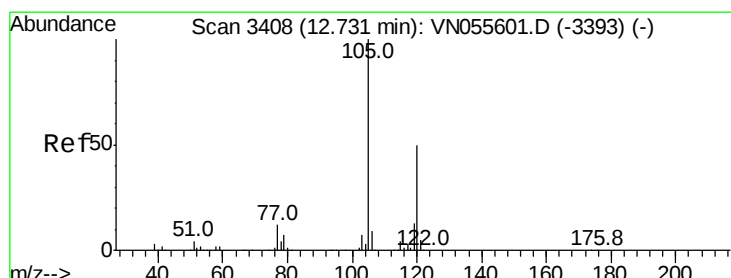
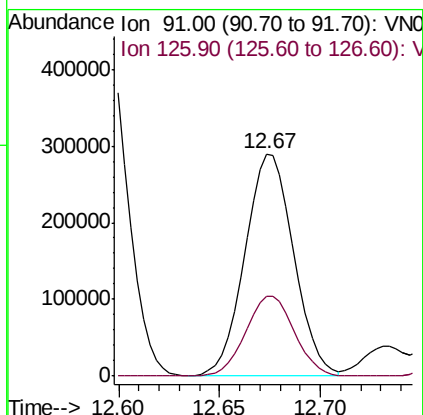
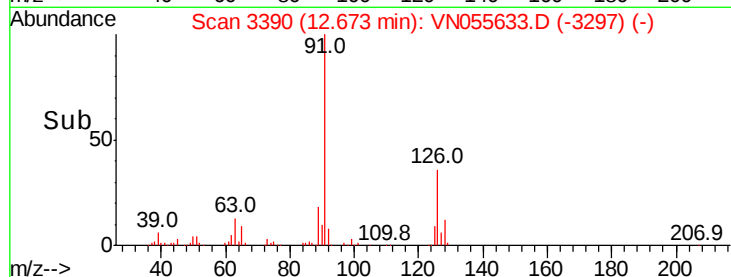
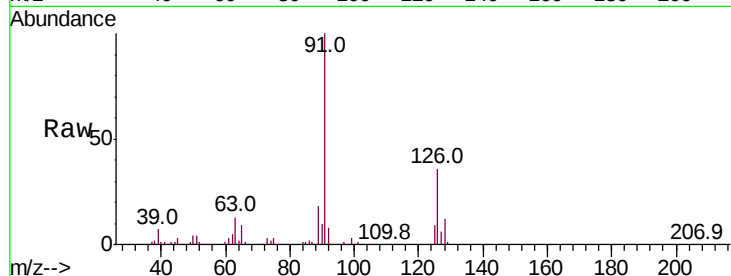
126 36.2 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.973 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055633.D

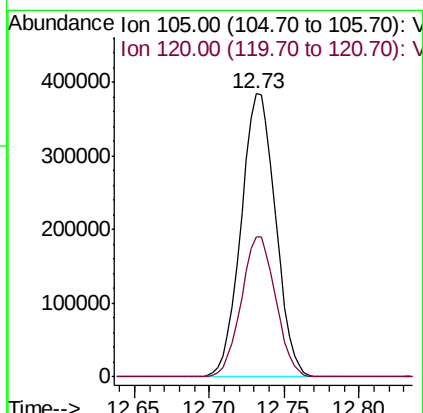
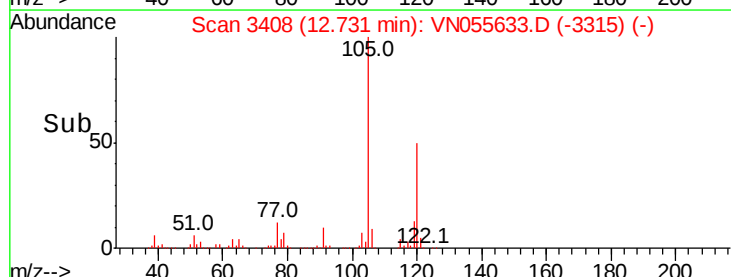
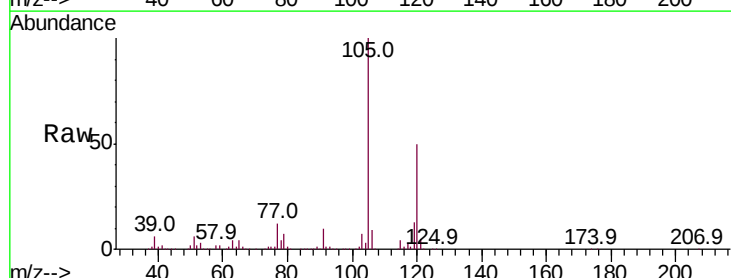
Acq: 18 May 2019 00:14

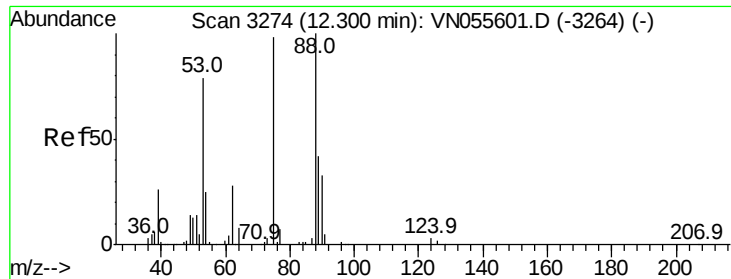
Tgt Ion: 105 Resp: 617334

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.860 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 73378

Ion Ratio Lower Upper

75 100

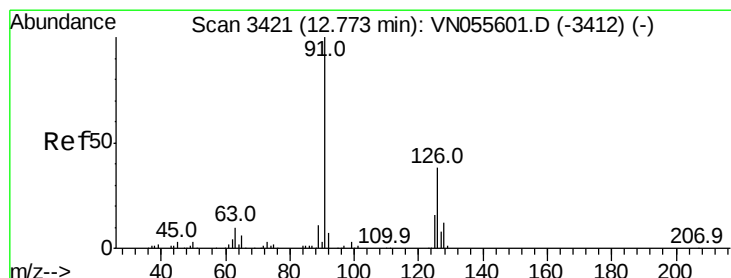
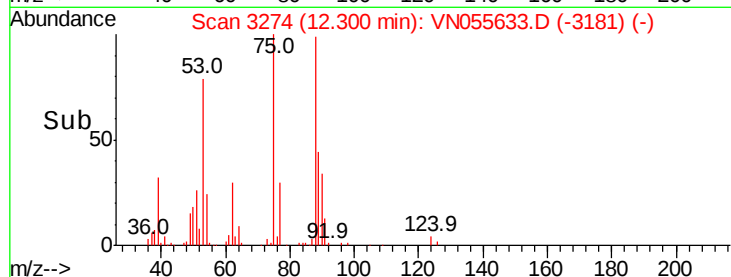
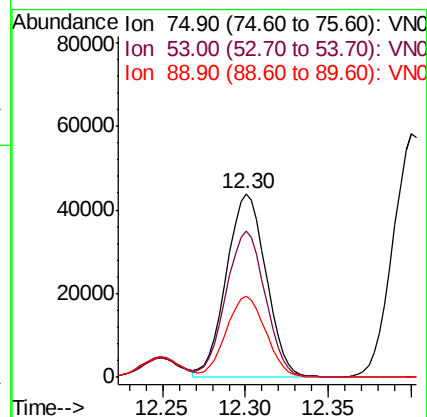
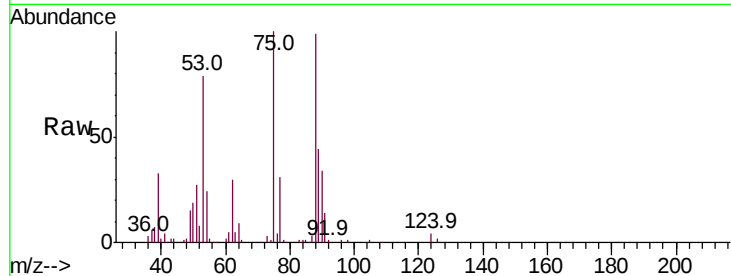
53 78.5 65.1 97.7

89 43.9 36.4 54.6

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 45.613 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055633.D

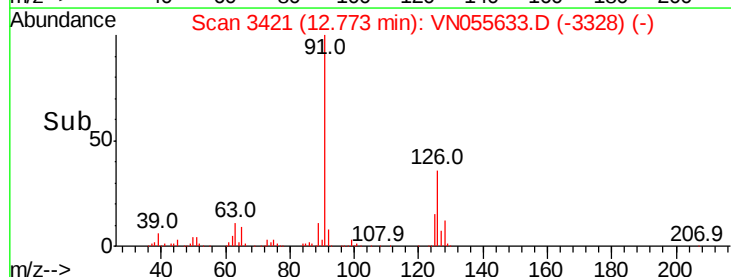
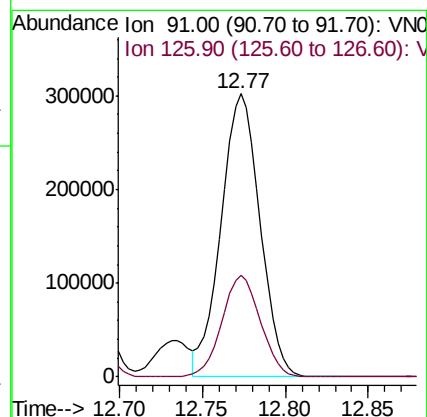
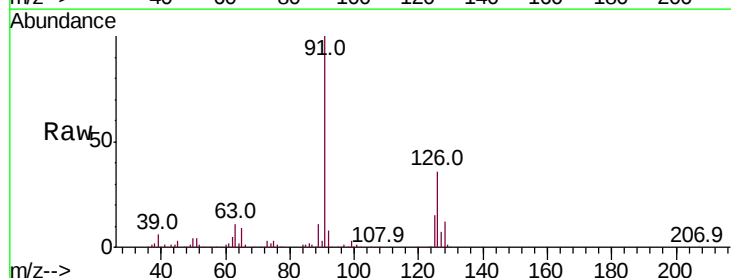
Acq: 18 May 2019 00:14

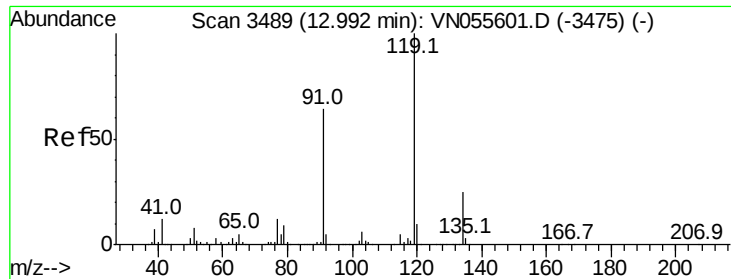
Tgt Ion: 91 Resp: 491787

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.6





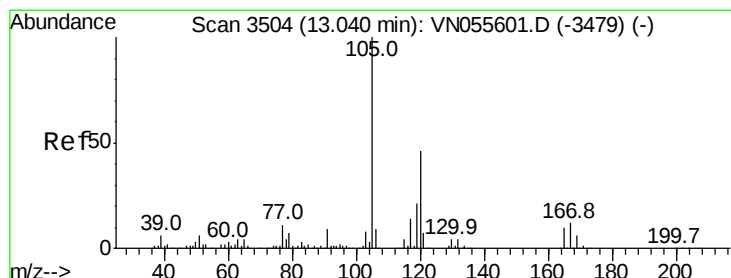
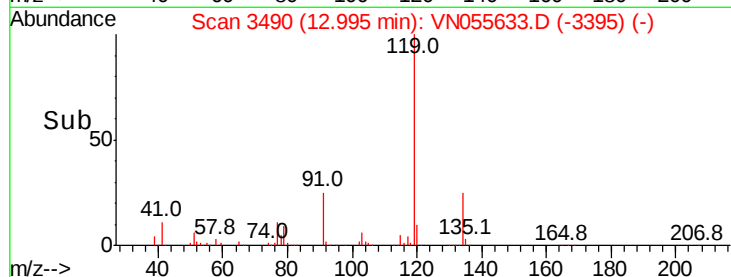
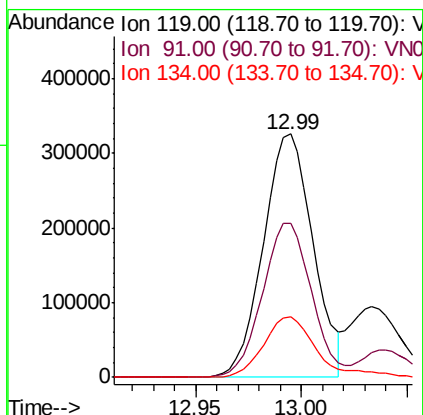
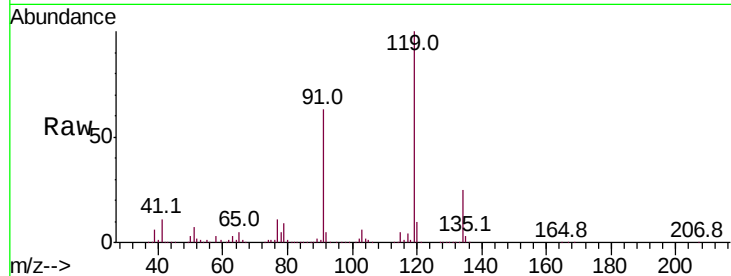
#83  
tert-Butylbenzene  
Concen: 51.094 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 535195 |       |       |
| 91      | 62.3  | 31.3   | 93.8  |       |
| 134     | 26.7  | 13.2   | 39.6  |       |

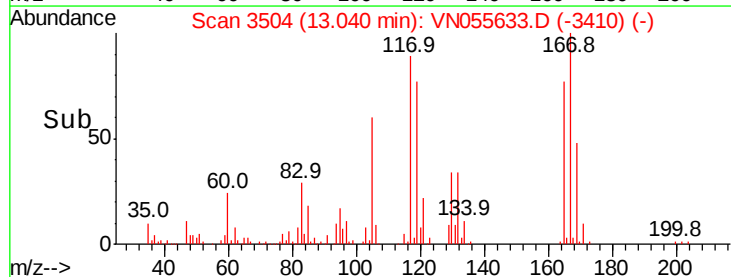
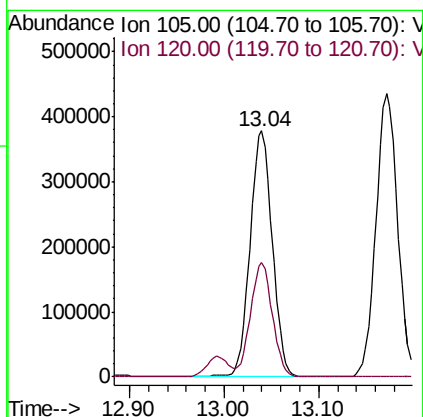
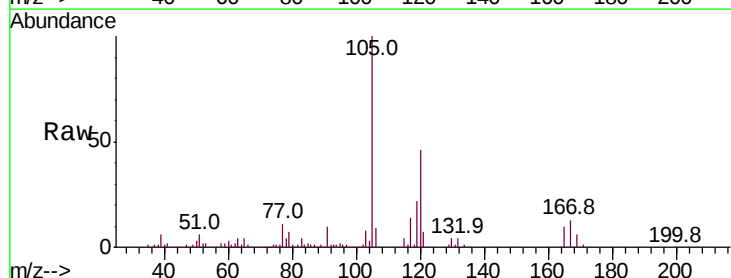
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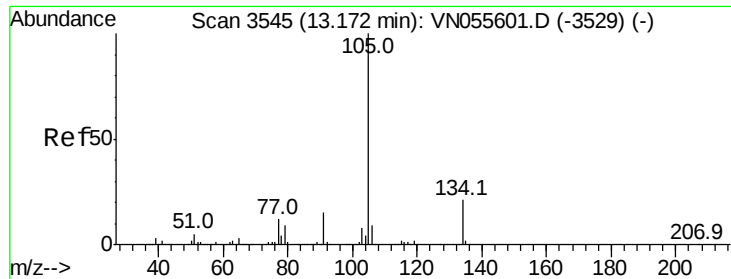
MMDadoda  
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#84  
1,2,4-Trimethylbenzene  
Concen: 50.038 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 617161 |       |       |
| 120     | 45.7  | 23.1   | 69.2  |       |





#85

sec-Butylbenzene

Concen: 50.090 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 690001

Ion Ratio Lower Upper

105 100

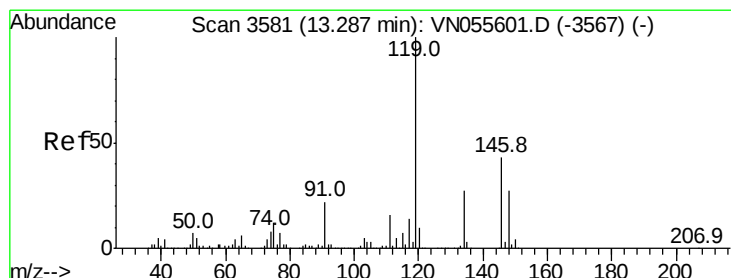
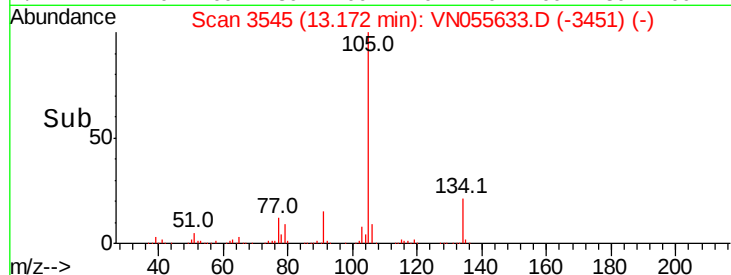
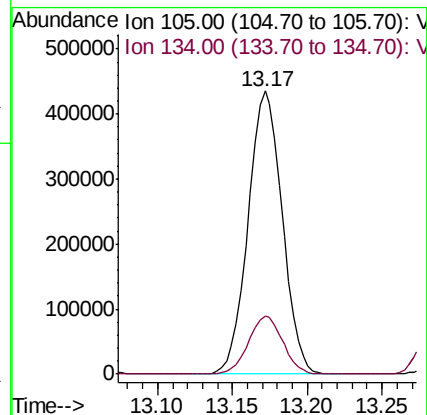
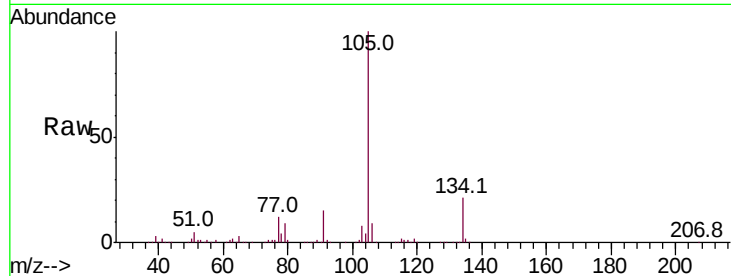
134 20.6 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.480 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055633.D

Acq: 18 May 2019 00:14

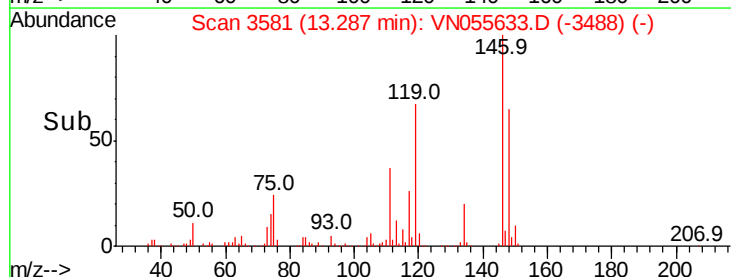
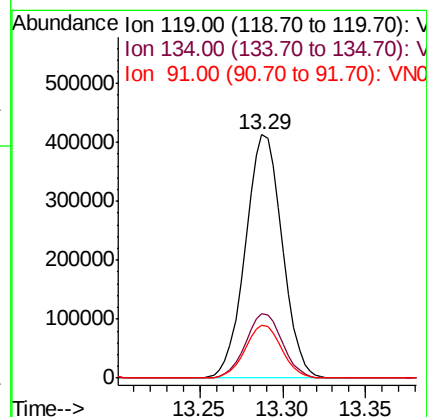
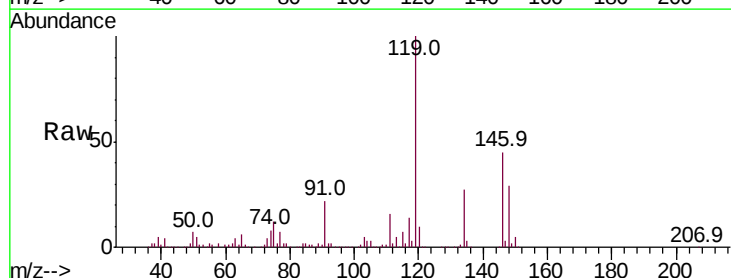
Tgt Ion:119 Resp: 634884

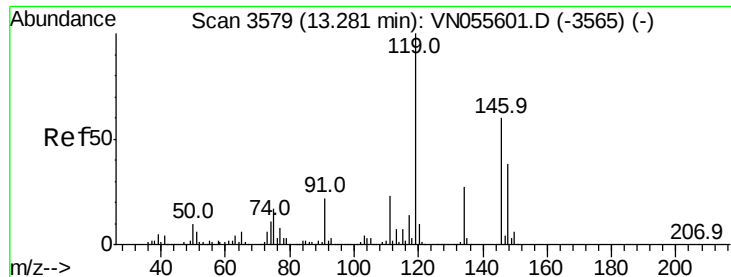
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 21.6 11.0 33.0





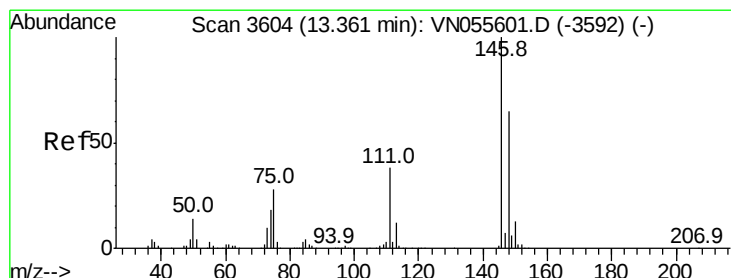
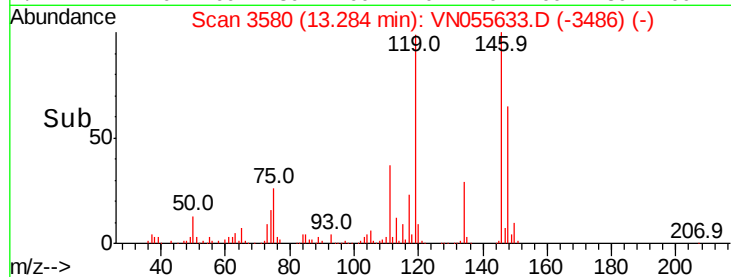
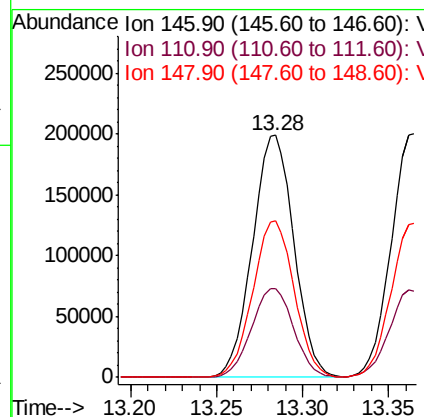
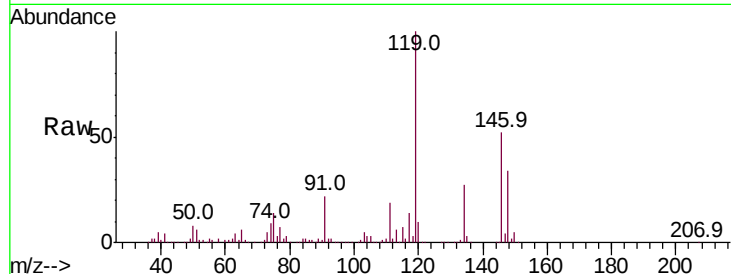
#87  
 1,3-Dichlorobenzene  
 Concen: 47.501 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 18.9  | 56.9  |
| 148     | 64.6  | 31.9  | 95.9  |

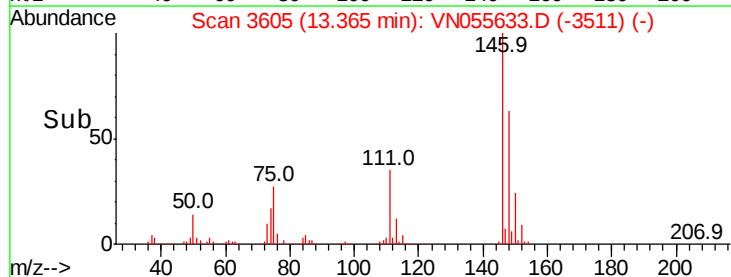
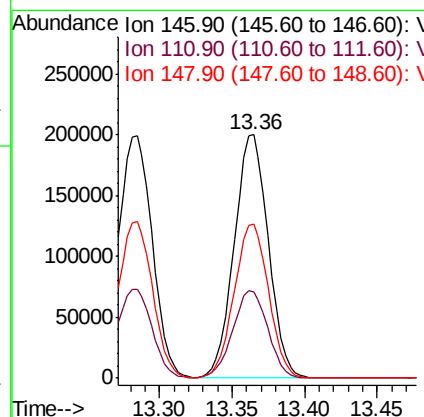
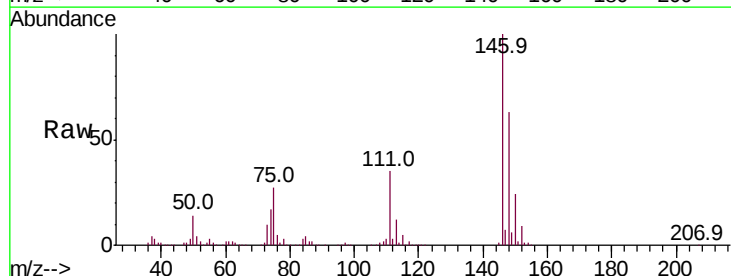
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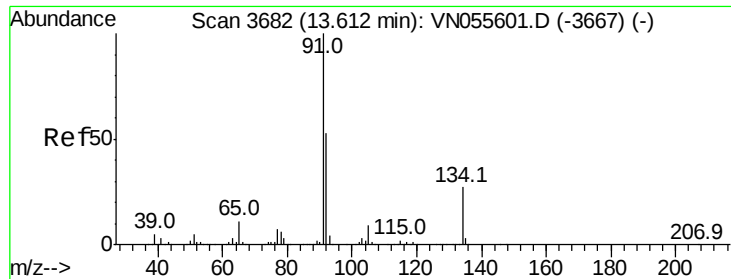
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#88  
 1,4-Dichlorobenzene  
 Concen: 48.901 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.8  | 18.8  | 56.4  |
| 148     | 64.0  | 32.4  | 97.0  |





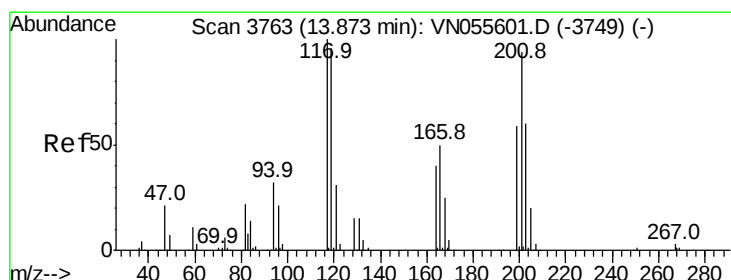
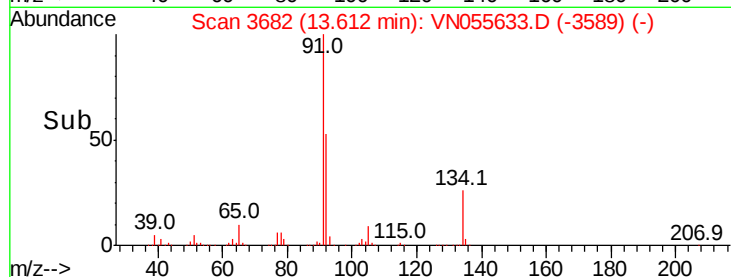
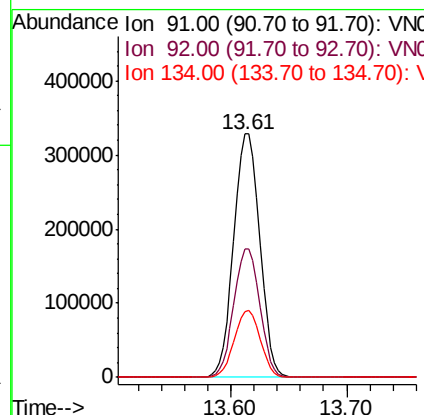
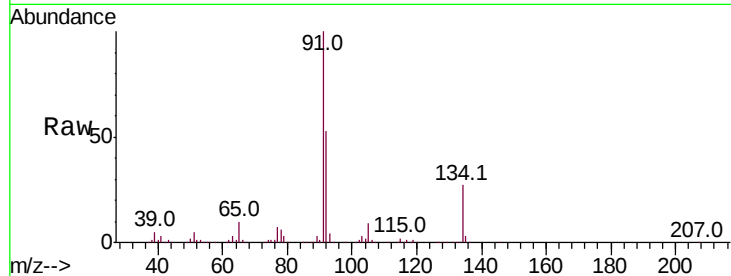
#89  
n-Butylbenzene  
Concen: 45.257 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.6  | 26.4  | 79.0  |
| 134     | 27.3  | 13.7  | 41.1  |

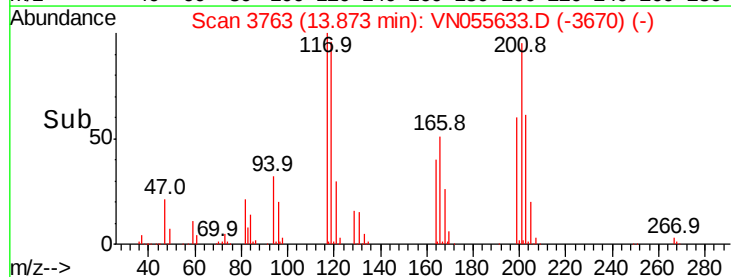
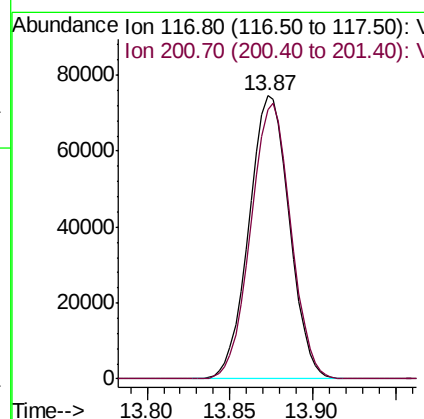
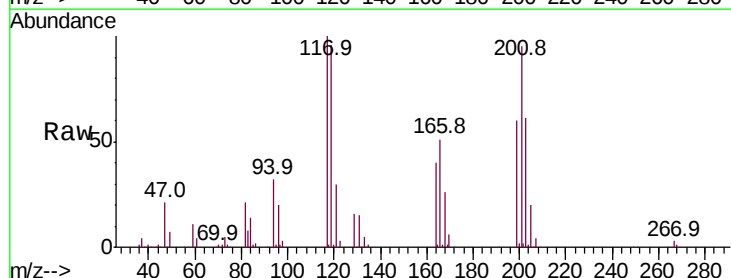
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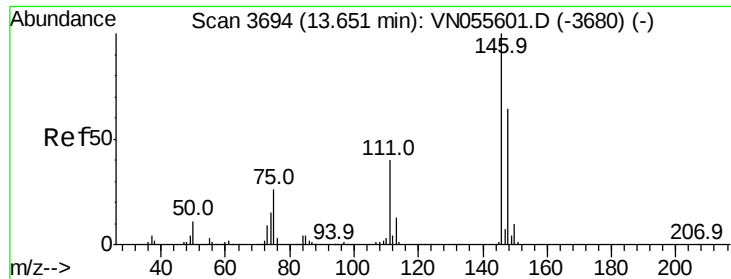
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#90  
Hexachloroethane  
Concen: 51.935 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 96.2  | 47.1  | 141.3 |





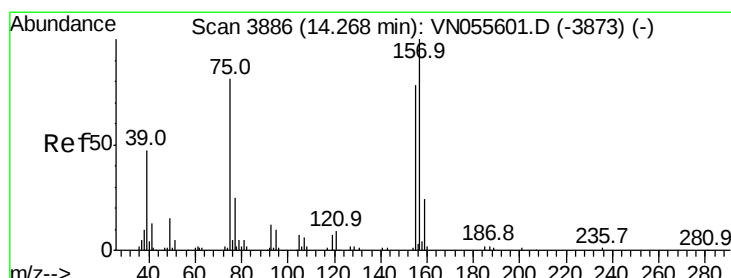
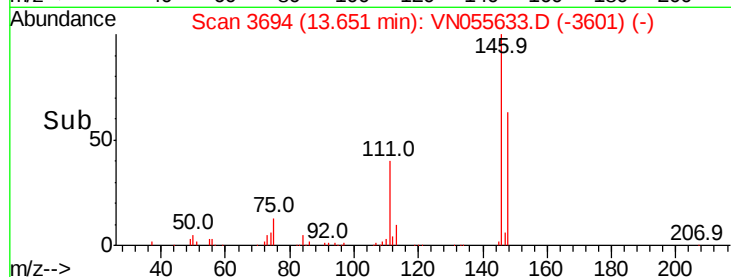
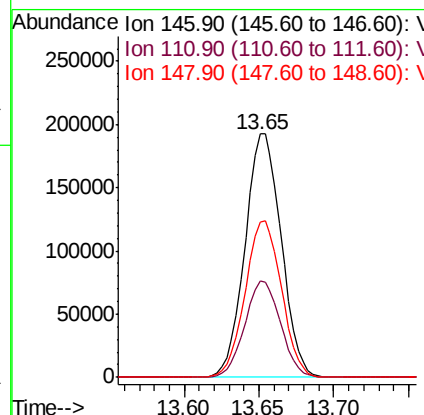
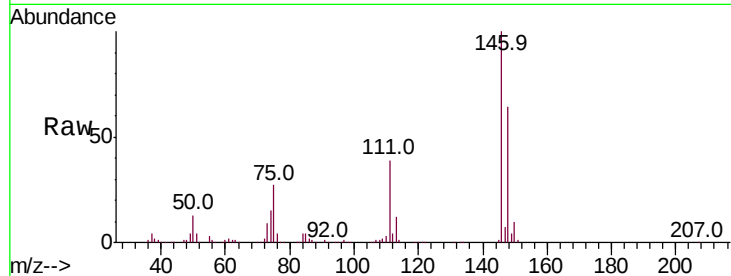
#91  
 1,2-Dichlorobenzene  
 Concen: 46.578 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.2  | 19.7  | 59.0  |
| 148     | 64.3  | 32.1  | 96.3  |

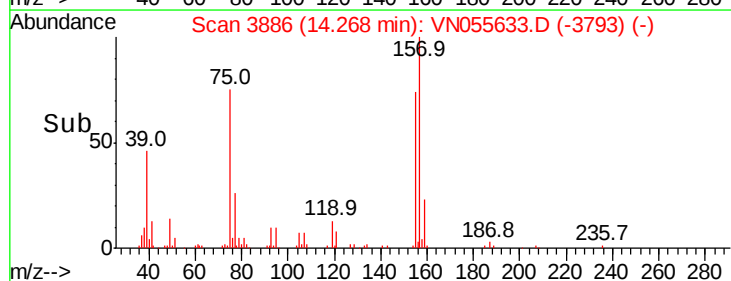
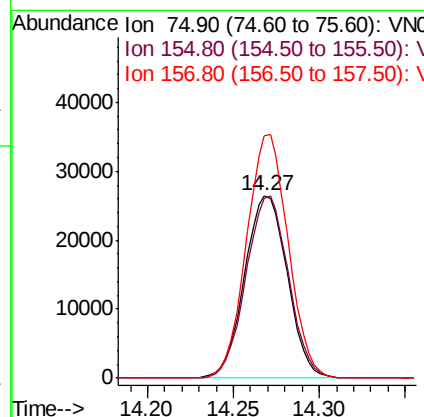
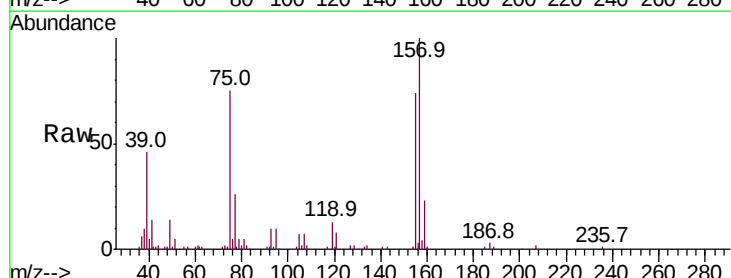
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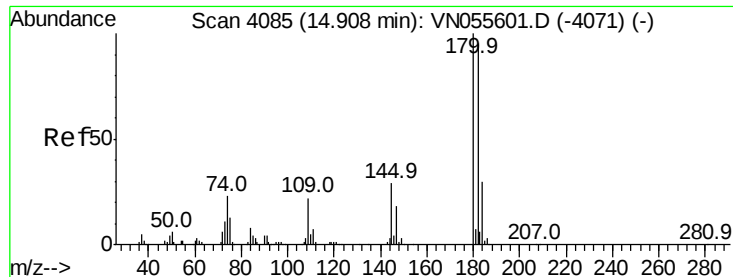
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.698 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 99.2  | 48.4  | 145.0 |
| 157     | 129.9 | 62.3  | 186.8 |





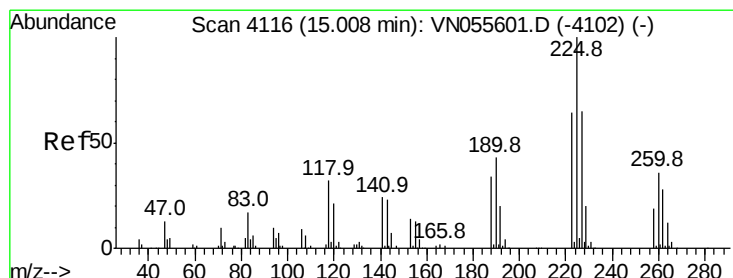
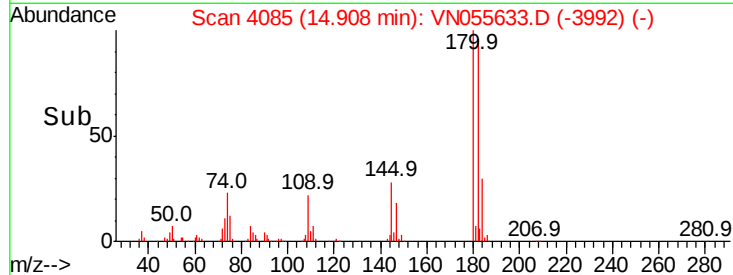
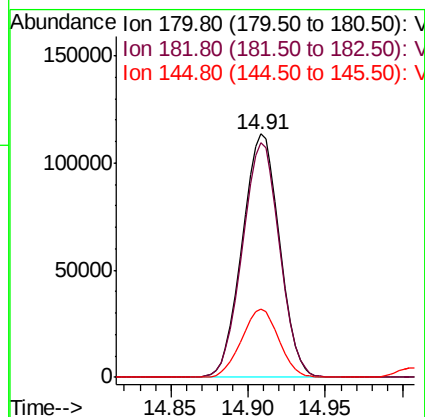
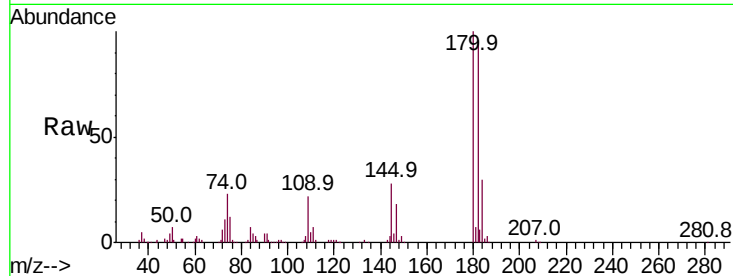
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.700 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 96.3  | 47.9 | 143.6 |       |
| 145     | 28.0  | 14.3 | 42.9  |       |

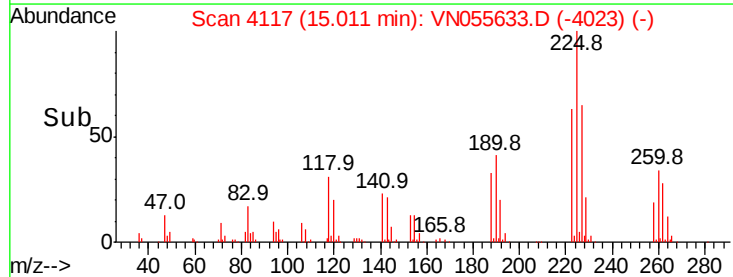
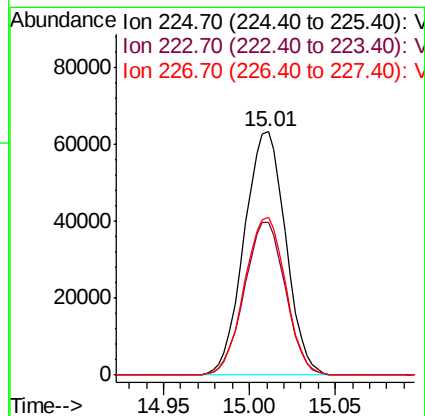
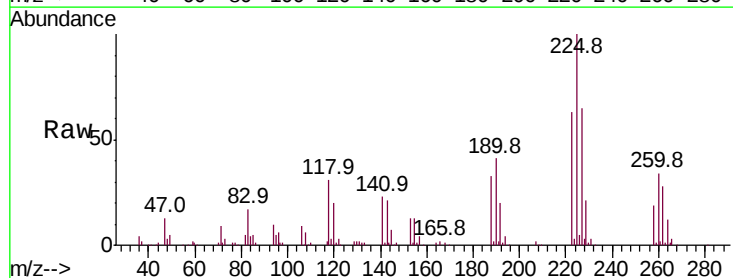
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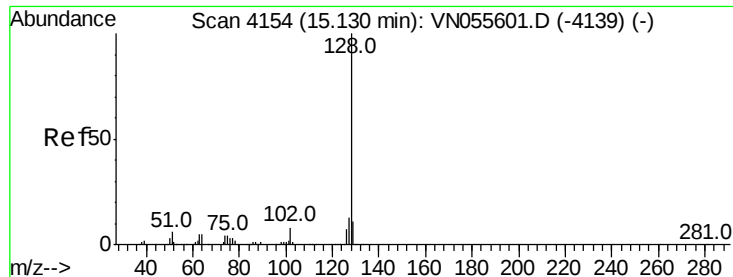
MMDadoda  
 5/20/2019 9:09:26 AM



#94  
 Hexachlorobutadiene  
 Concen: 49.272 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN055633.D  
 Acq: 18 May 2019 00:14

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.3  | 31.6 | 94.7  |       |
| 227     | 64.4  | 32.4 | 97.0  |       |





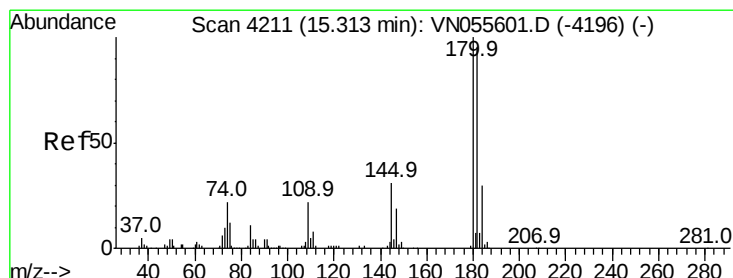
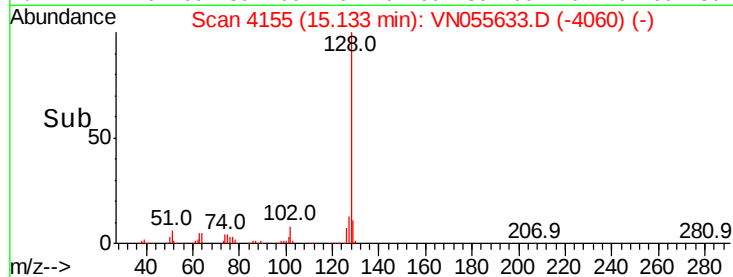
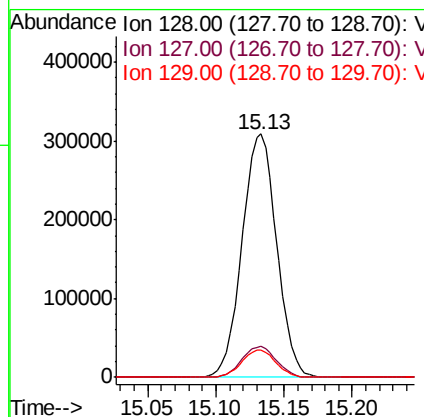
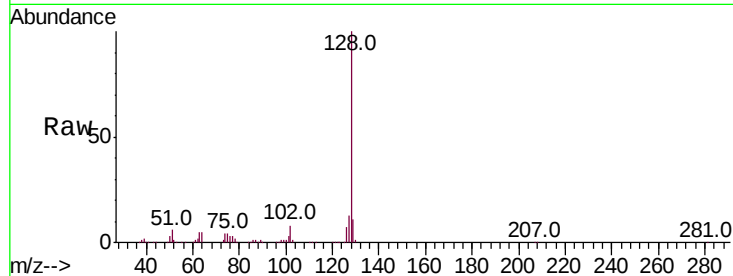
#95  
Naphthalene  
Concen: 50.658 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 543071 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.2  | 15.4   |
| 129       | 11.1  | 8.6   | 12.8   |

Manual Integrations  
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#96  
1,2,3-Trichlorobenzene  
Concen: 51.710 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN055633.D  
Acq: 18 May 2019 00:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 191963 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.9  | 47.9  | 143.6  |
| 145       | 29.7  | 15.4  | 46.1   |

