

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN050219\  
 Data File : VN055374.D  
 Acq On : 3 May 2019 3:12  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/3/2019 1:08:33 PM

Quant Time: May 03 09:52:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 410558   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 673105   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 567351   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 230615   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 266022   | 49.53 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.06%  |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 215307   | 48.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.46%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 773873   | 48.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.02%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 259496   | 52.05 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.10% |      |

| Target Compounds              |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 212760  | 42.297  | ug/l | 98     |
| 3) Chloromethane              | 2.06 | 50  | 261618  | 42.002  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 231949  | 46.197  | ug/l | 97     |
| 5) Bromomethane               | 2.57 | 94  | 125345  | 47.131  | ug/l | 98     |
| 6) Chloroethane               | 2.71 | 64  | 132278  | 48.633  | ug/l | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101 | 328722  | 46.043  | ug/l | 100    |
| 8) Diethyl Ether              | 3.42 | 74  | 129527  | 51.856  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 185097  | 43.538  | ug/l | 99     |
| 10) Methyl Iodide             | 3.96 | 142 | 289229  | 48.341  | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 76321   | 248.193 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 192858  | 47.553  | ug/l | 98     |
| 13) Acrolein                  | 3.61 | 56  | 41110   | 171.184 | ug/l | 99     |
| 14) Allyl chloride            | 4.33 | 41  | 398862  | 47.486  | ug/l | 99     |
| 15) Acrylonitrile             | 5.00 | 53  | 435052  | 251.699 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 320095  | 191.268 | ug/l | 100    |
| 17) Carbon Disulfide          | 4.06 | 76  | 447070  | 42.240  | ug/l | 99     |
| 18) Methyl Acetate            | 4.33 | 43  | 220688  | 54.220  | ug/l | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 604521  | 53.022  | ug/l | 98     |
| 20) Methylene Chloride        | 4.56 | 84  | 232913  | 45.596  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 202199  | 47.076  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.95 | 45  | 866530  | 51.922  | ug/l | 95     |
| 23) Vinyl Acetate             | 5.90 | 43  | 2860489 | 261.517 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 440844  | 49.576  | ug/l | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 509850  | 238.221 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 215237  | 35.053  | ug/l | 97     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 245147  | 50.189  | ug/l | 97     |
| 28) Bromochloromethane        | 7.20 | 49  | 216549  | 48.313  | ug/l | 99     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 357025  | 260.515 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 412241  | 48.905  | ug/l | 98     |
| 31) Cyclohexane               | 7.66 | 56  | 372163  | 44.051  | ug/l | 100    |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 332796  | 48.645  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.80 | 75  | 300062  | 46.541  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 235266  | 47.612  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.78 | 117 | 278477  | 44.776  | ug/l | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/3/2019 1:08:33 PM

Quant Time: May 03 09:52:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 30 07:16:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 288843   | 42.137  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 897358   | 47.214  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.17  | 41   | 127179   | 47.592  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 318152   | 47.262  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 415982   | 52.384  | ug/l # | 89       |
| 44) Trichloroethene            | 8.84  | 130  | 228511   | 47.162  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 261938   | 47.784  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 142584   | 47.586  | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.40  | 83   | 308744   | 48.031  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.20  | 41   | 201824   | 51.699  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.21  | 88   | 38459    | 953.018 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1131521  | 253.086 | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 528040   | 48.421  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 274503   | 49.192  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 342479   | 49.225  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 192989   | 47.657  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 261805   | 52.525  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 347026   | 48.849  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 307791   | 201.506 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 680164   | 243.143 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 207623   | 50.165  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 187341   | 50.052  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 226852   | 48.894  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 534188   | 48.158  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 207861   | 47.856  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 991353   | 49.492  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 715635   | 100.091 | ug/l   | 97       |
| 69) o-Xylene                   | 11.95 | 106  | 353578   | 49.893  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 583342   | 53.611  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 123298   | 51.158  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 941813   | 51.415  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 298680   | 50.466  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 229997   | 50.358  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 216478m  | 50.528  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 221293   | 50.316  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1033616  | 43.633  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 639969   | 51.272  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 782611   | 43.287  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 49671    | 40.817  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 612264   | 44.452  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 659340   | 51.617  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 764871   | 47.304  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 844890   | 42.995  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 733063   | 45.388  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 359056   | 46.528  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 349121   | 48.040  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 565966   | 49.314  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 120025   | 46.834  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 364492   | 47.655  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 32092    | 52.895  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

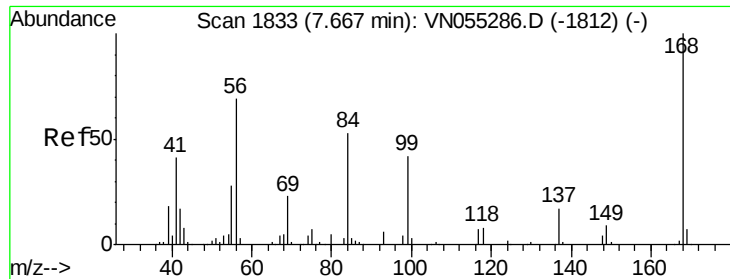
MMDadoda  
5/3/2019 1:08:33 PM

Quant Time: May 03 09:52:29 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 30 07:16:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 140984   | 46.971 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 118139   | 51.410 | ug/l  | 96       |
| 95) Naphthalene            | 15.13 | 128  | 291001   | 45.703 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 144514   | 48.736 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 410558

Ion Ratio Lower Upper

168 100

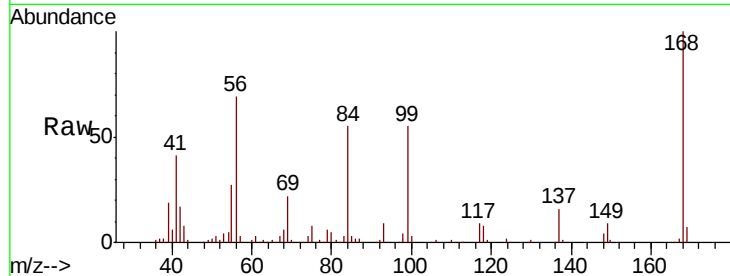
99 54.0 43.6 65.4

Manual Integrations

APPROVED

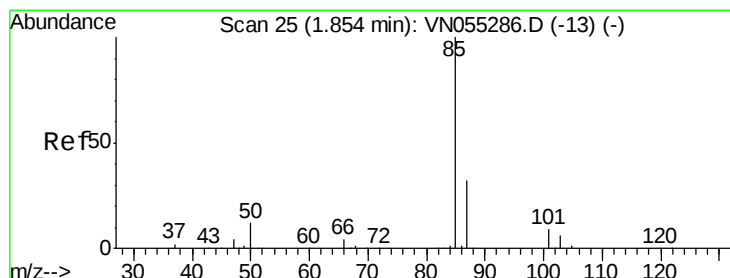
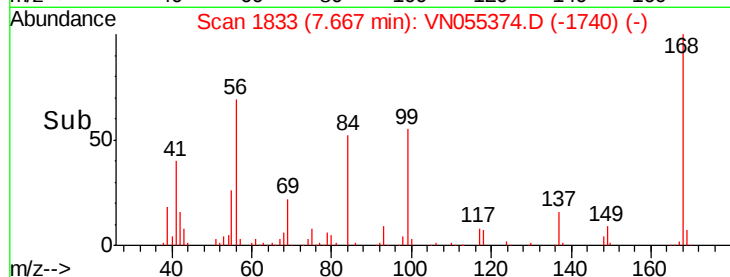
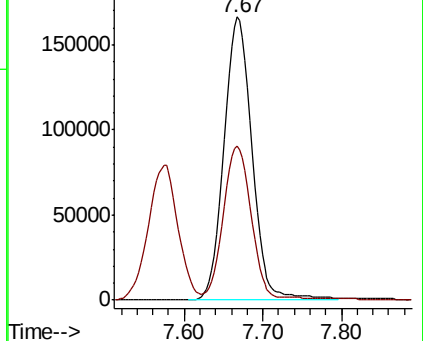
MMDadoda

5/3/2019 1:08:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.297 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055374.D

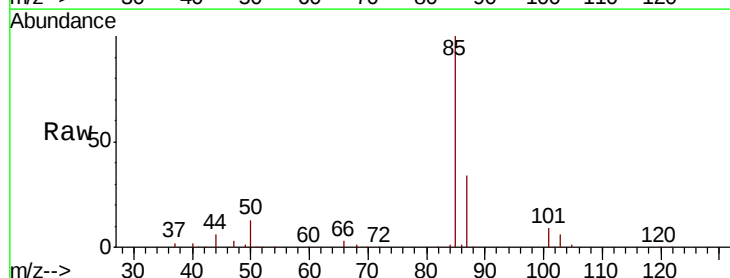
Acq: 3 May 2019 3:12

Tgt Ion: 85 Resp: 212760

Ion Ratio Lower Upper

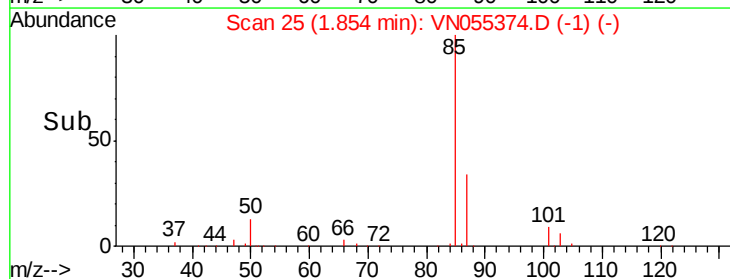
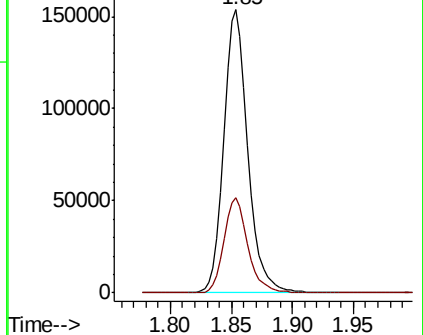
85 100

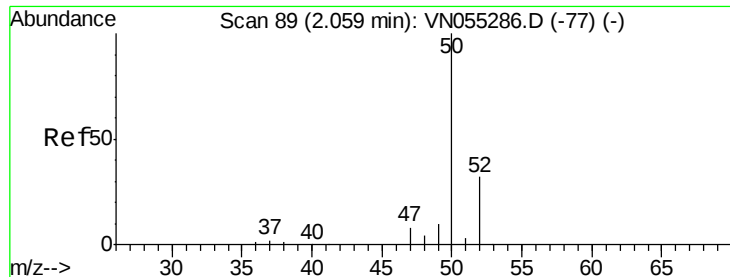
87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.002 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 261618

Ion Ratio Lower Upper

50 100

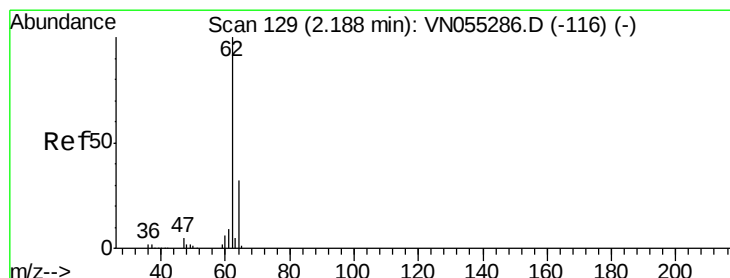
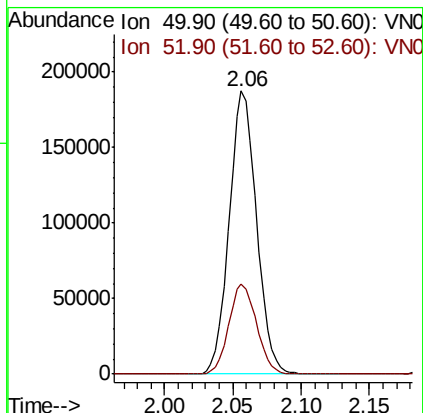
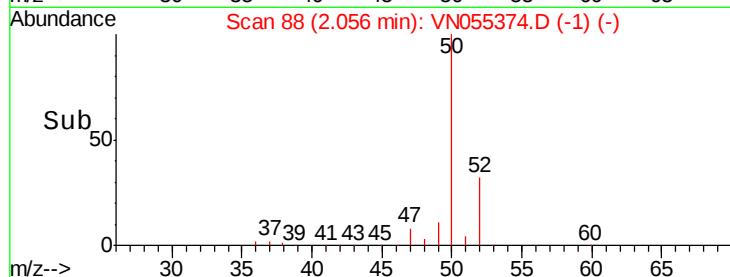
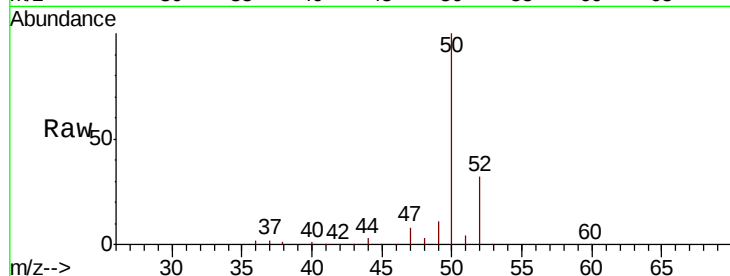
52 31.8 25.7 38.5

Manual Integrations

APPROVED

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5/3/2019 1:08:33 PM



#4

Vinyl Chloride

Concen: 46.197 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055374.D

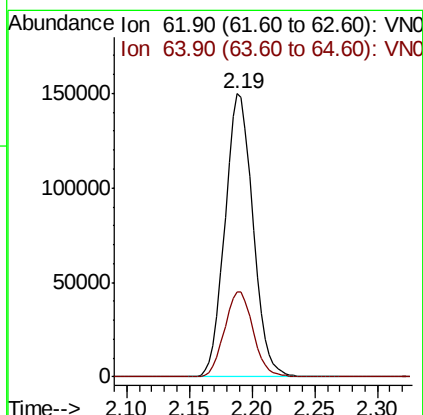
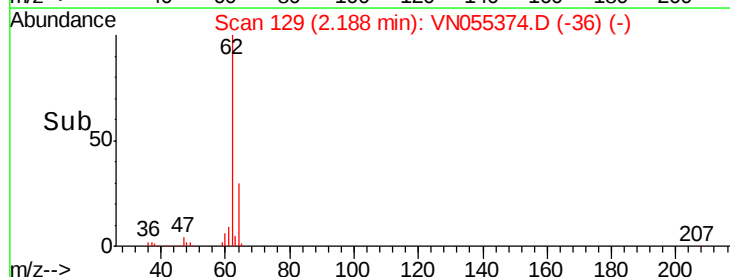
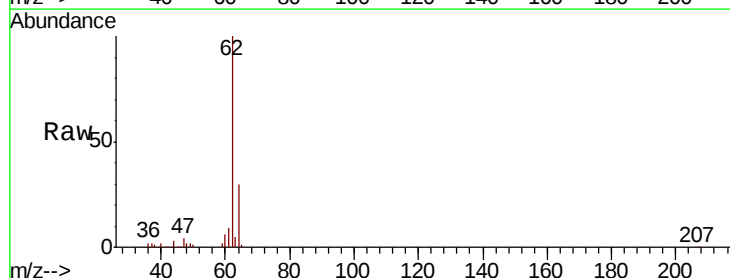
Acq: 3 May 2019 3:12

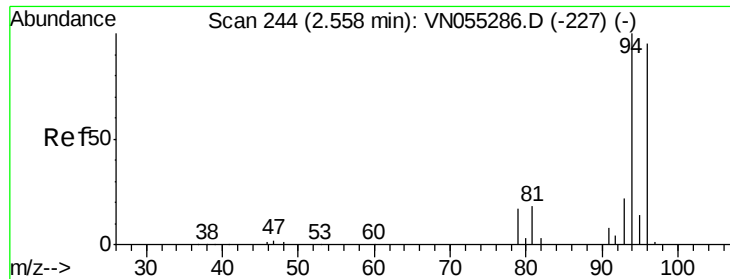
Tgt Ion: 62 Resp: 231949

Ion Ratio Lower Upper

62 100

64 30.2 25.5 38.3





#5

Bromomethane

Concen: 47.131 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 125345

Ion Ratio Lower Upper

94 100

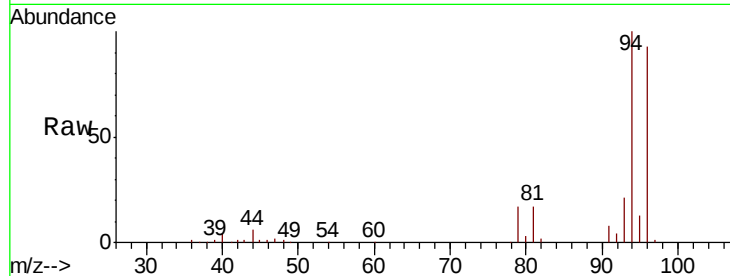
96 92.7 76.0 114.0

Manual Integrations

APPROVED

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5/3/2019 1:08:33 PM



Abundance Ion 93.90 (93.60 to 94.60): VN055286.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VN055286.D (-227) (-)

2.57

60000

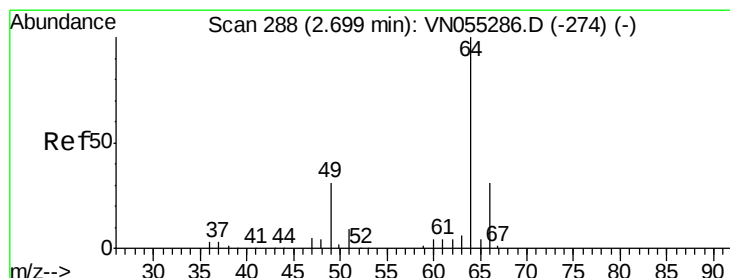
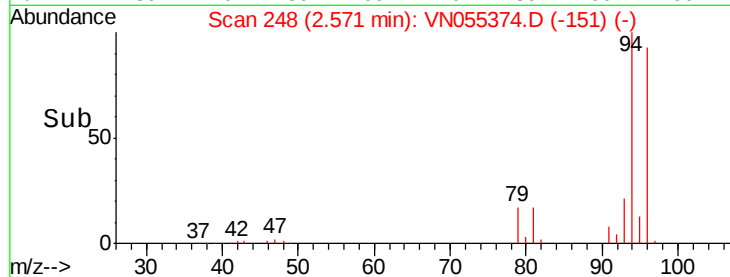
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 48.633 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN055374.D

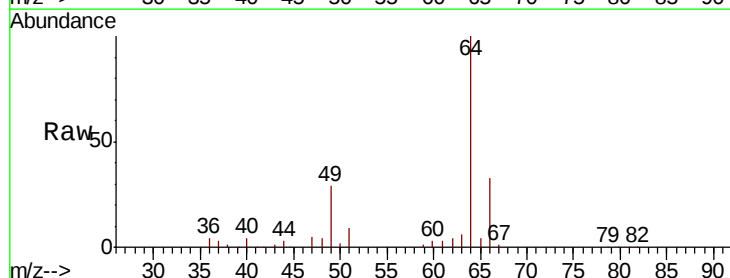
Acq: 3 May 2019 3:12

Tgt Ion: 64 Resp: 132278

Ion Ratio Lower Upper

64 100

66 32.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN055286.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN055286.D (-274) (-)

2.71

60000

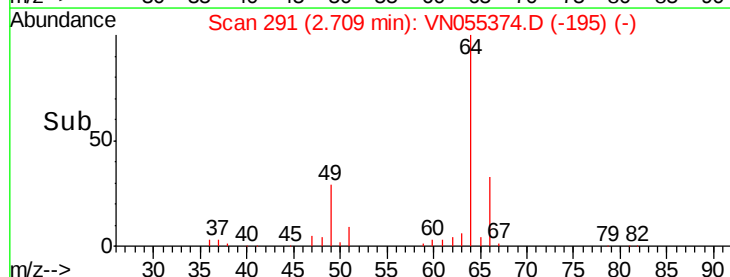
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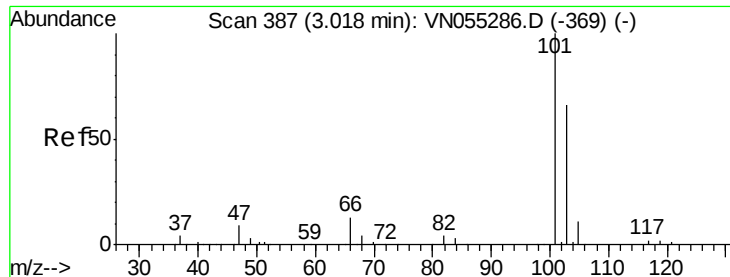
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

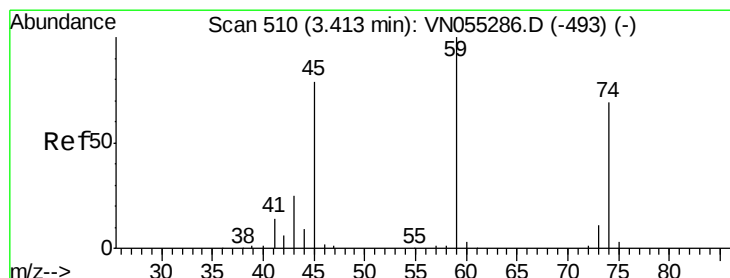
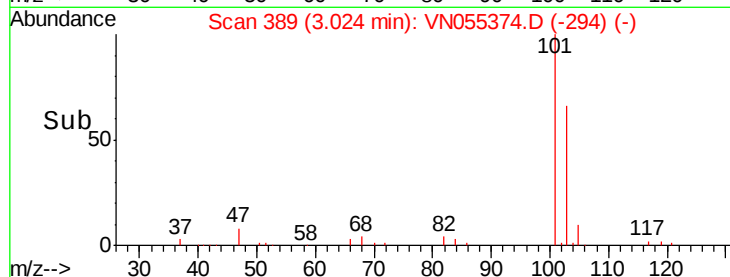
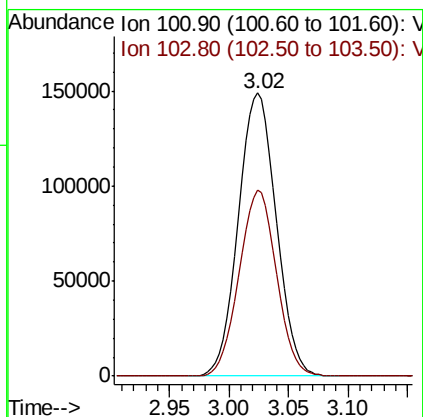
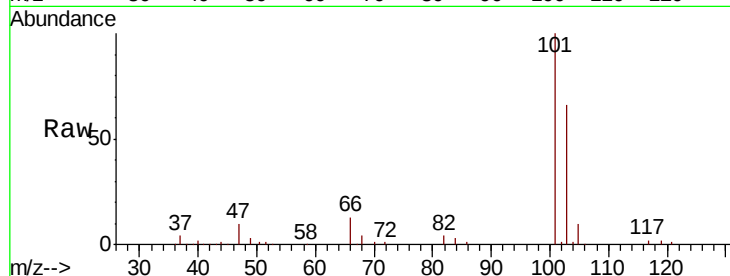
Trichlorofluoromethane  
 Concen: 46.043 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. 0.01 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 101 Resp: 328722  
 Ion Ratio Lower Upper  
 101 100  
 103 65.8 52.6 79.0

Manual Integrations  
 APPROVED

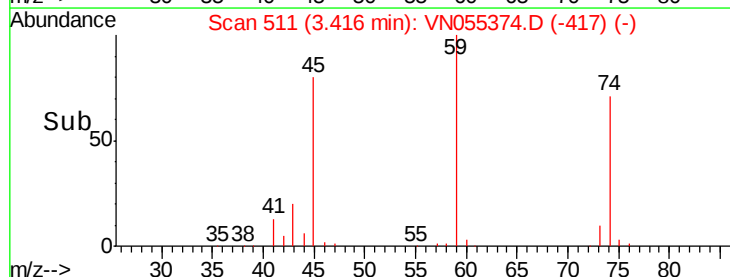
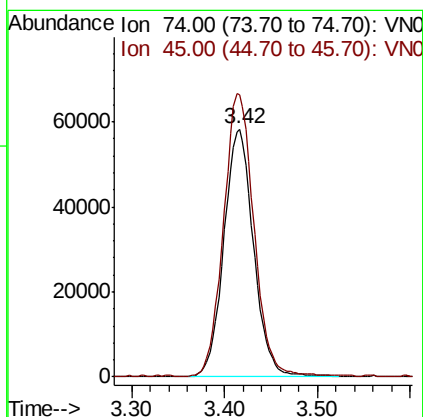
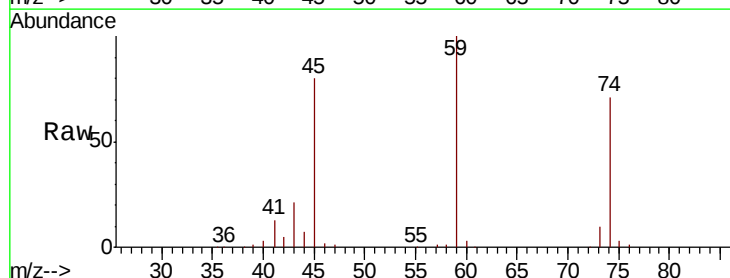
MMDadoda  
 5/3/2019 1:08:33 PM

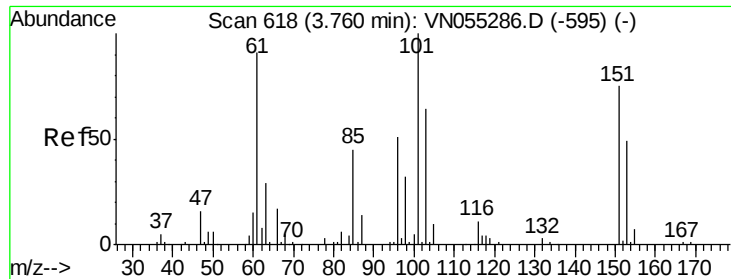


#8

Diethyl Ether  
 Concen: 51.856 ug/l  
 RT: 3.42 min Scan# 511  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Tgt Ion: 74 Resp: 129527  
 Ion Ratio Lower Upper  
 74 100  
 45 116.2 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.538 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

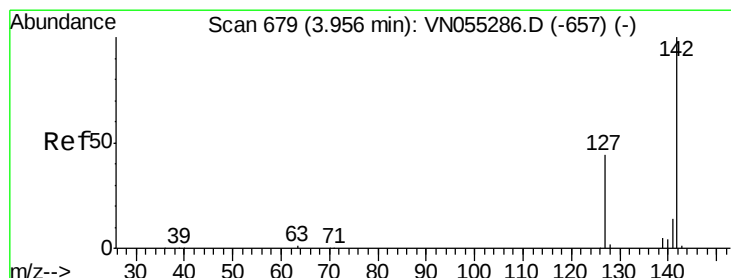
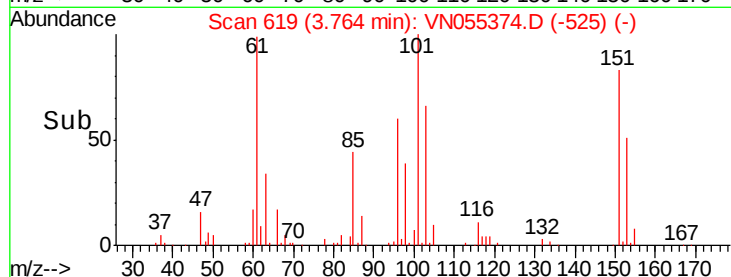
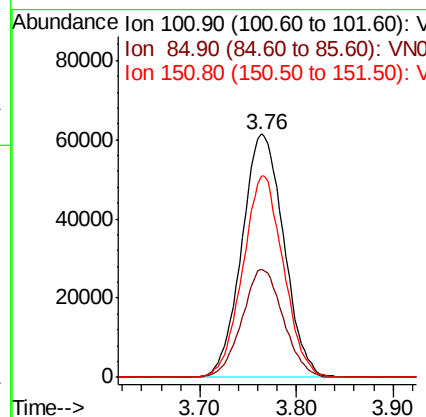
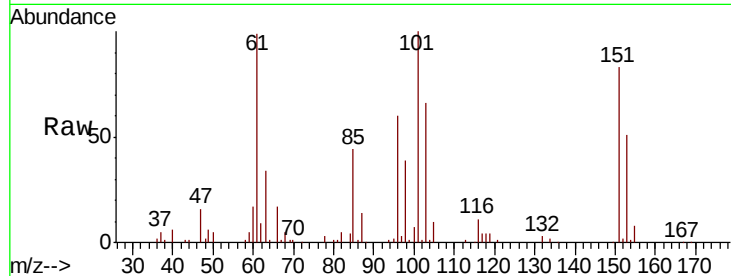
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 101   | Resp: | 185097 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 43.5  | 35.7  | 53.5   |
| 151       | 80.2  | 63.3  | 94.9   |

Manual Integrations  
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MMDadoda  
5/3/2019 1:08:33 PM



#10

Methyl Iodide

Concen: 48.341 ug/l

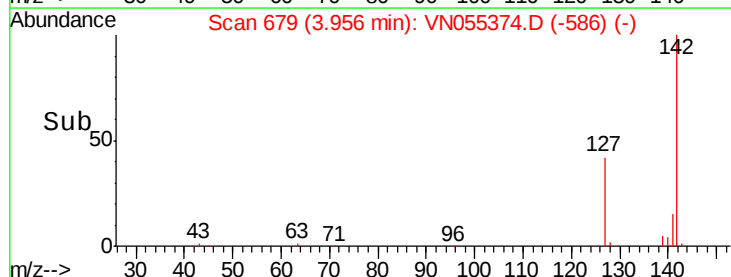
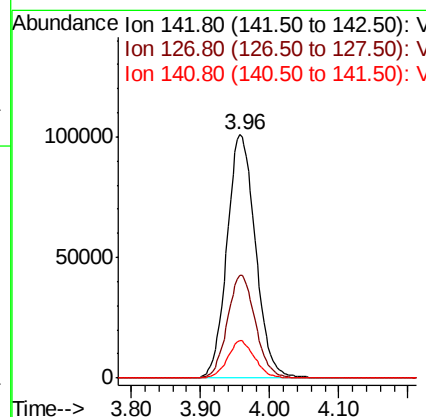
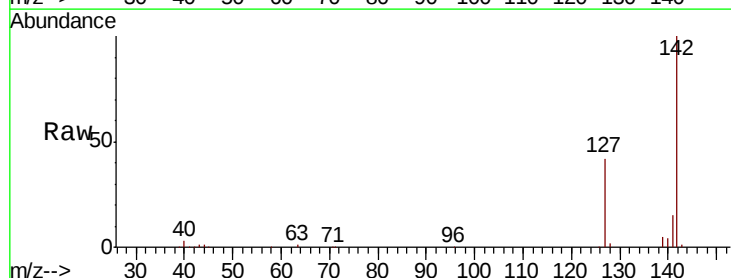
RT: 3.96 min Scan# 679

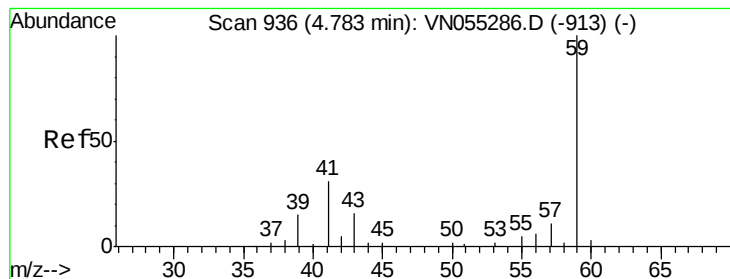
Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 289229 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 41.7  | 34.4  | 51.6   |
| 141       | 14.7  | 11.5  | 17.3   |





#11

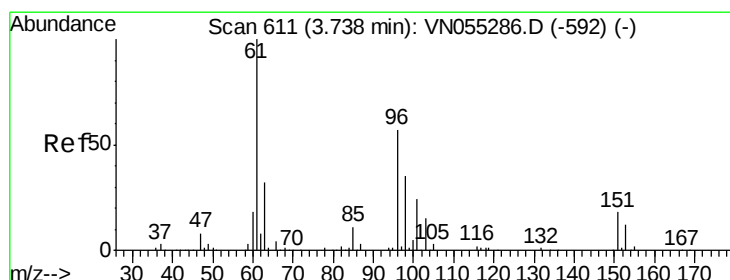
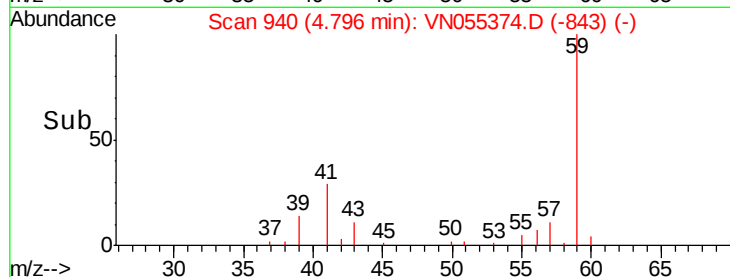
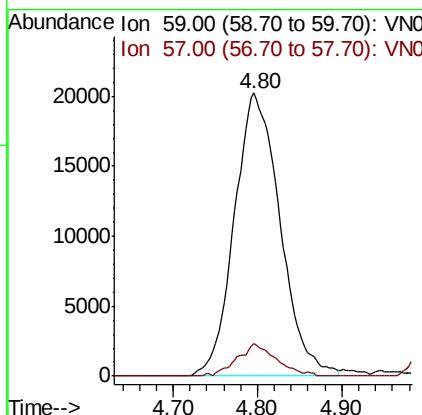
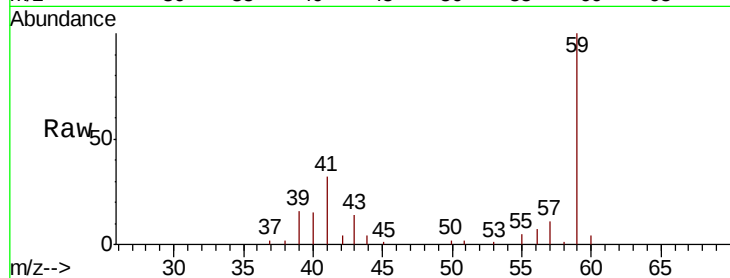
Tert butyl alcohol  
 Concen: 248.193 ug/l  
 RT: 4.80 min Scan# 940  
 Delta R.T. 0.01 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.5   | 8.2   | 12.2  |

Manual Integrations  
 APPROVED

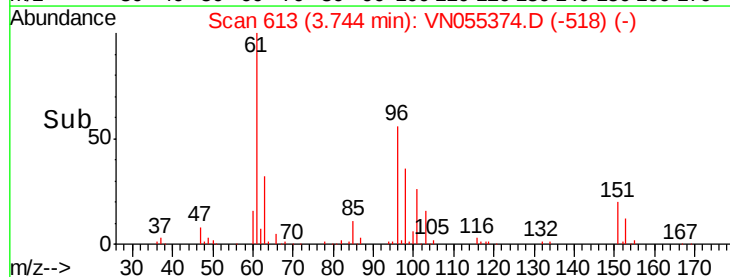
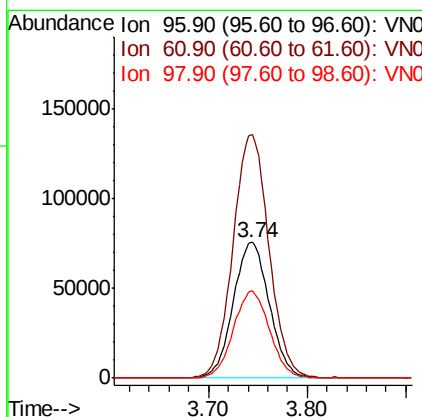
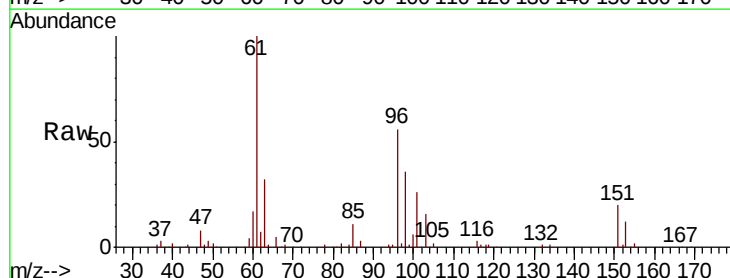
MMDadoda  
 5/3/2019 1:08:33 PM

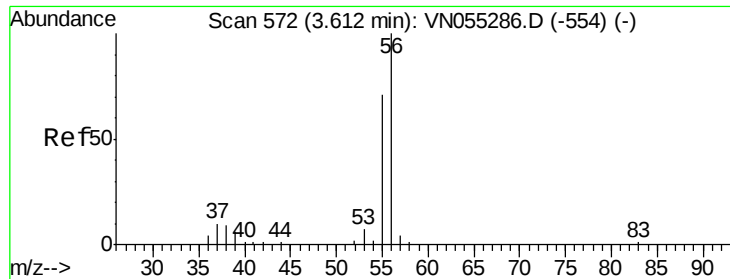


#12

1,1-Dichloroethene  
 Concen: 47.553 ug/l  
 RT: 3.74 min Scan# 613  
 Delta R.T. 0.01 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 179.5 | 140.9 | 211.3 |
| 98      | 64.2  | 50.0  | 75.0  |





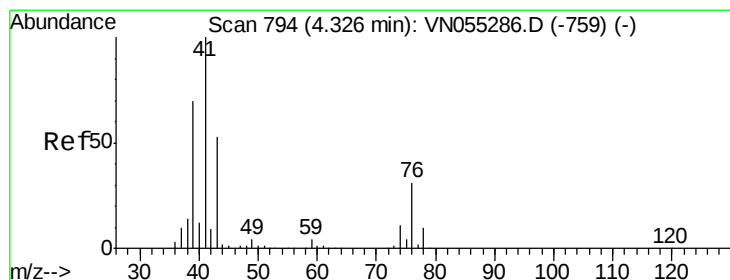
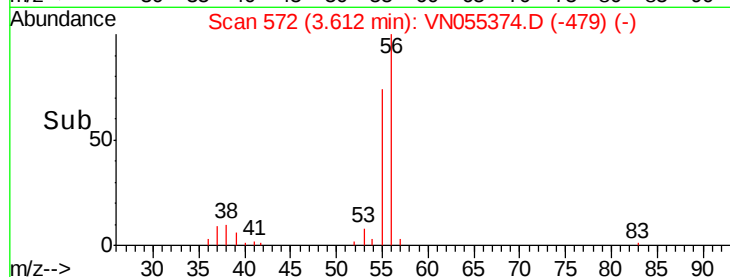
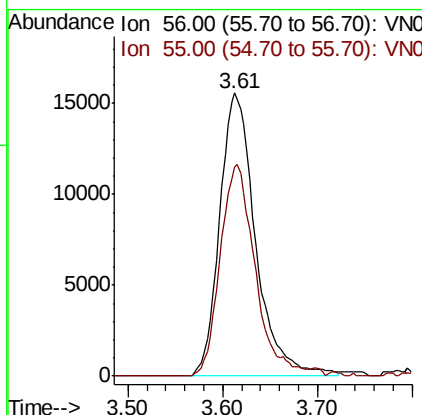
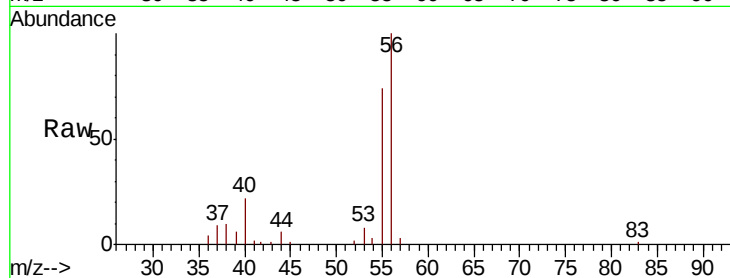
#13  
 Acrolein  
 Concen: 171.184 ug/l  
 RT: 3.61 min Scan# 572  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 55      | 72.7  | 57.4  | 86.2  |

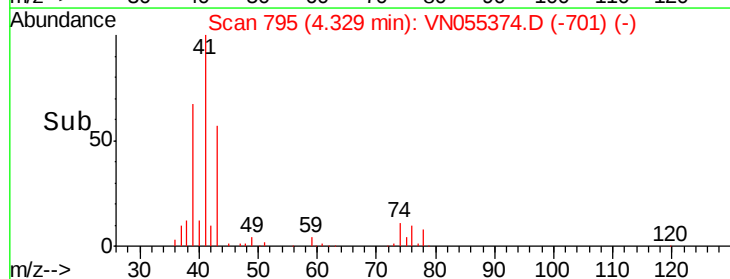
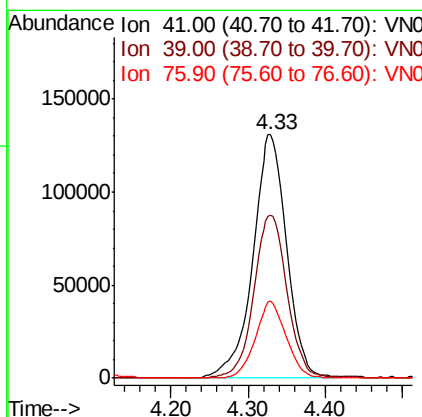
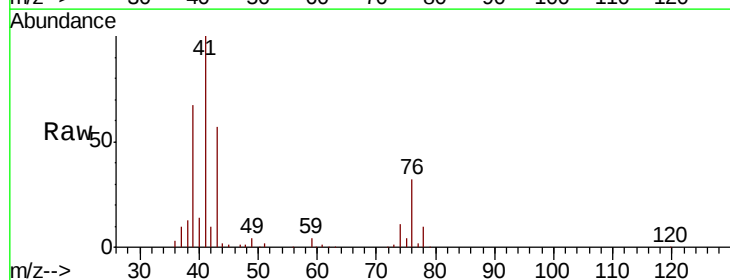
Manual Integrations  
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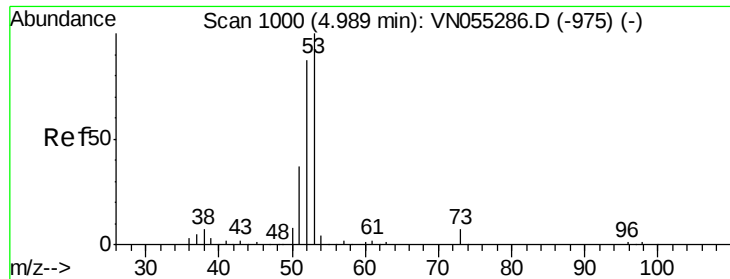
MMDadoda  
 5/3/2019 1:08:33 PM



#14  
 Allyl chloride  
 Concen: 47.486 ug/l  
 RT: 4.33 min Scan# 795  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 65.8  | 53.0  | 79.6  |
| 76      | 28.7  | 22.7  | 34.1  |





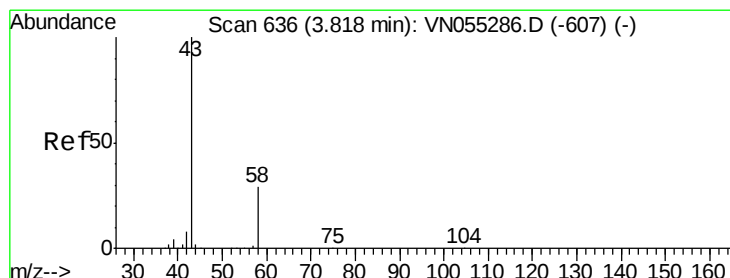
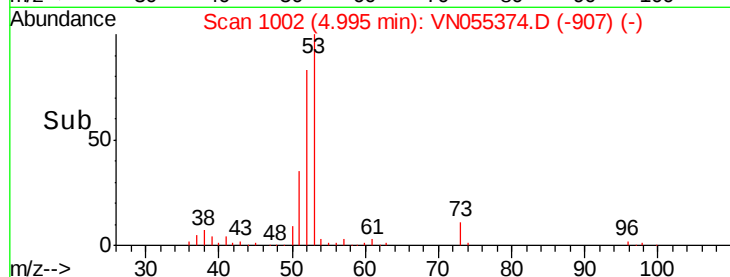
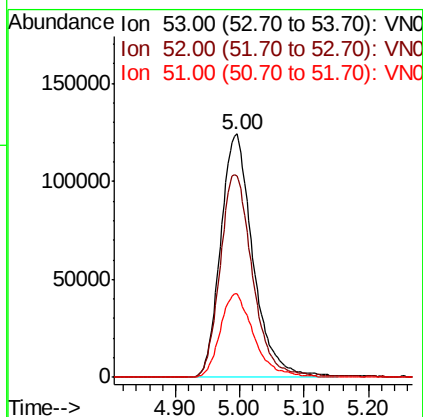
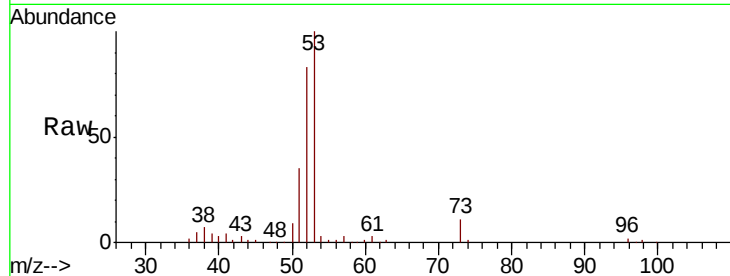
#15  
 Acrylonitrile  
 Concen: 251.699 ug/l  
 RT: 5.00 min Scan# 1002  
 Delta R.T. 0.01 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 83.1  | 66.5  | 99.7  |
| 51      | 35.7  | 29.6  | 44.4  |

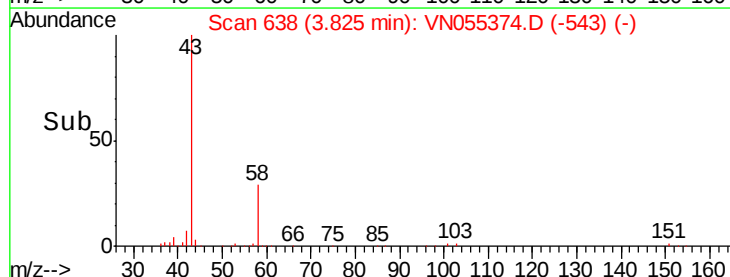
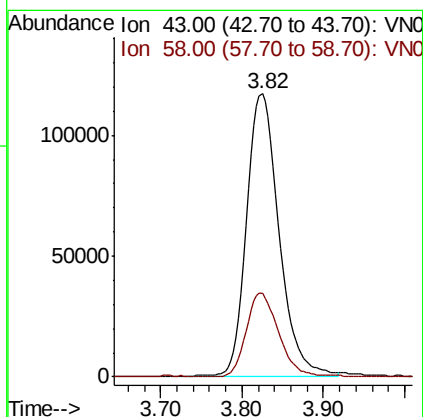
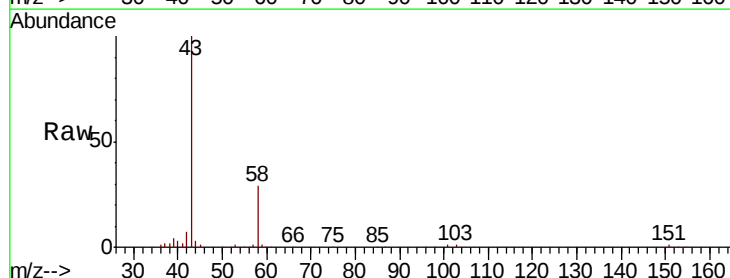
Manual Integrations  
 APPROVED

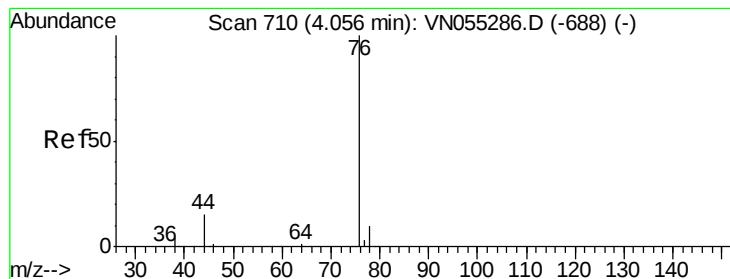
MMDadoda  
 5/3/2019 1:08:33 PM



#16  
 Acetone  
 Concen: 191.268 ug/l  
 RT: 3.82 min Scan# 638  
 Delta R.T. 0.01 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 29.2  | 23.6  | 35.4  |





#17

Carbon Disulfide

Concen: 42.240 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 447070

Ion Ratio Lower Upper

76 100

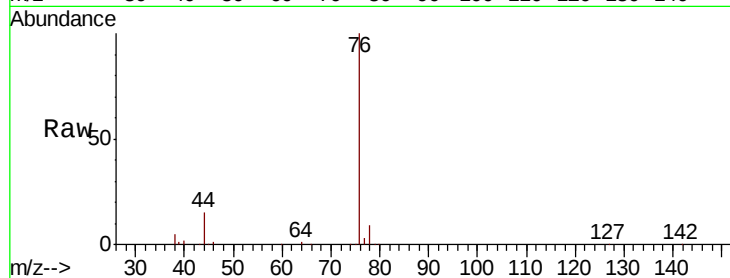
78 9.0 7.6 11.4

Manual Integrations

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MMDadoda

5/3/2019 1:08:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

200000

150000

100000

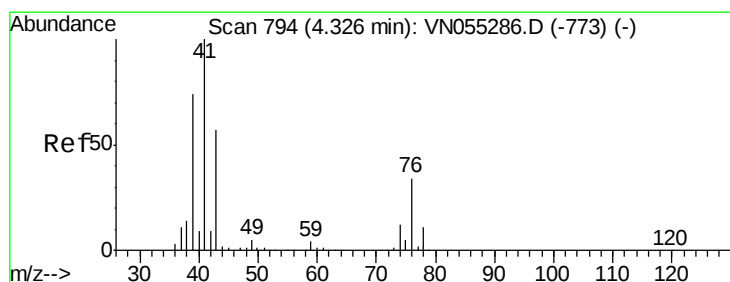
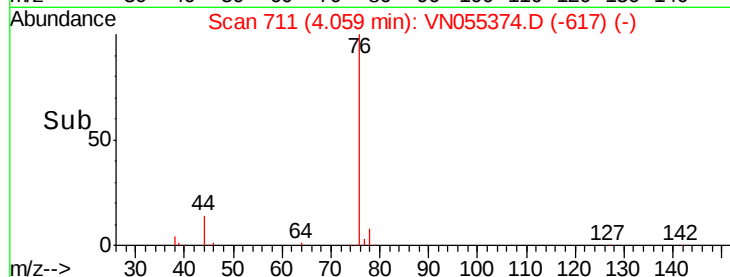
50000

0

4.06

4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 54.220 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055374.D

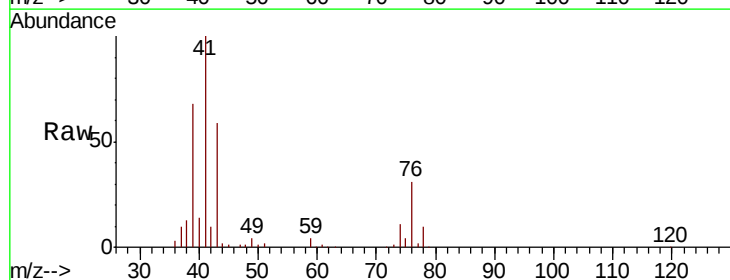
Acq: 3 May 2019 3:12

Tgt Ion: 43 Resp: 220688

Ion Ratio Lower Upper

43 100

74 19.1 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

80000

60000

40000

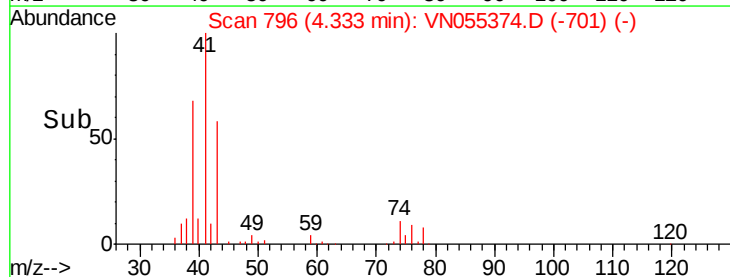
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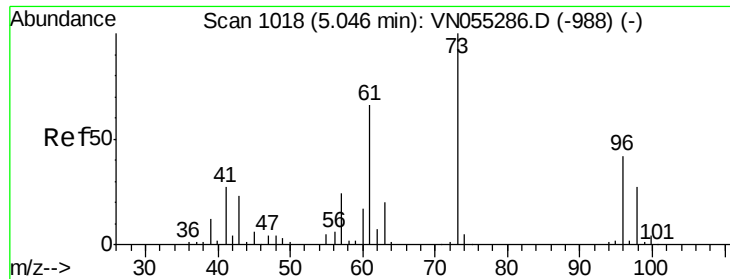
0

4.33

4.20 4.30 4.40 4.50

Time-->





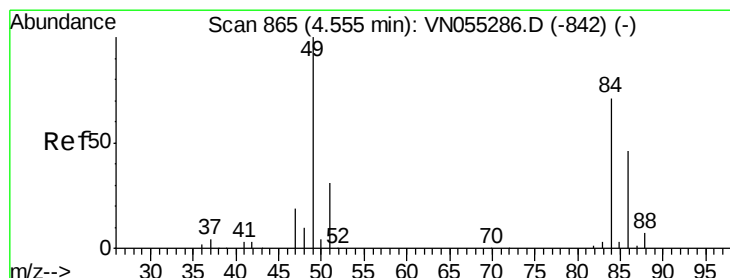
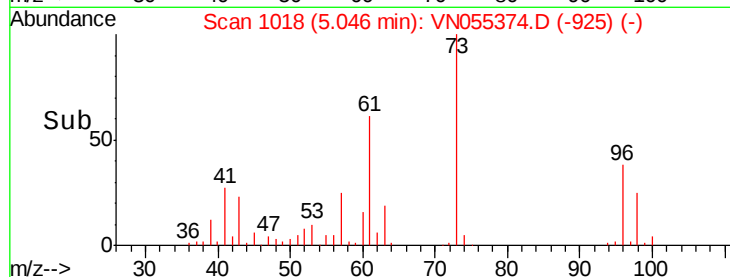
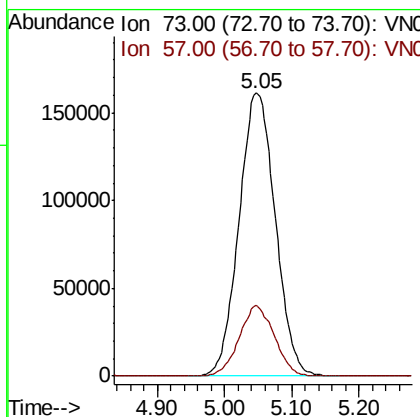
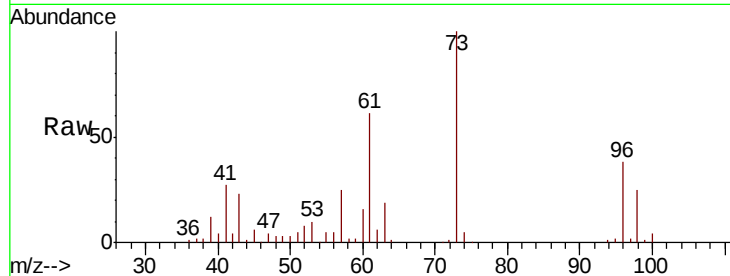
#19  
Methyl tert-butyl Ether  
Concen: 53.022 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 73 Resp: 604521  
Ion Ratio Lower Upper  
73 100  
57 25.0 19.1 28.7

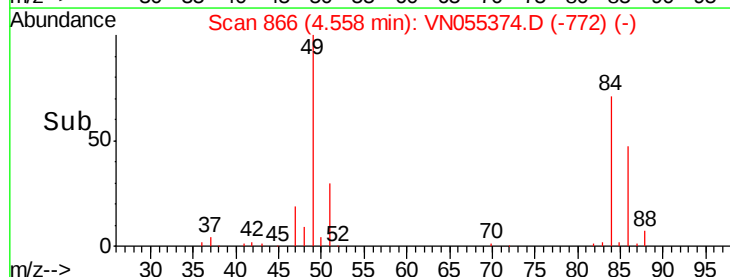
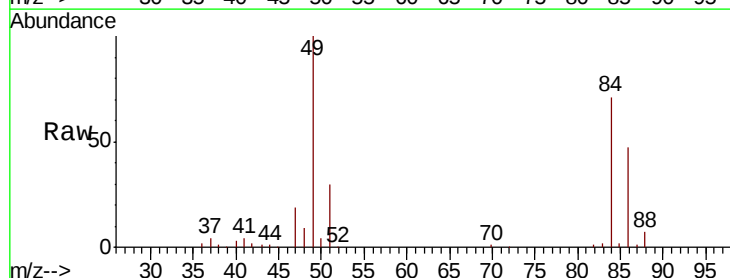
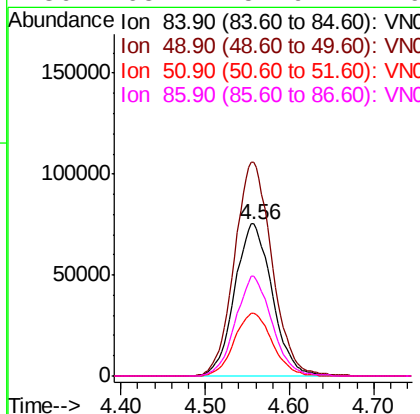
Manual Integrations  
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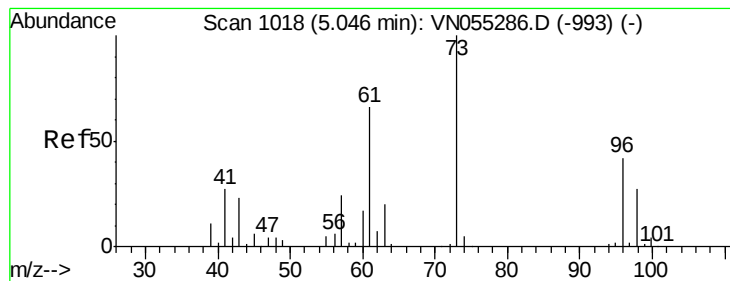
MMDadoda  
5/3/2019 1:08:33 PM



#20  
Methylene Chloride  
Concen: 45.596 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Tgt Ion: 84 Resp: 232913  
Ion Ratio Lower Upper  
84 100  
49 140.3 112.4 168.6  
51 41.6 34.6 51.8  
86 65.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.076 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 202199

Ion Ratio Lower Upper

96 100

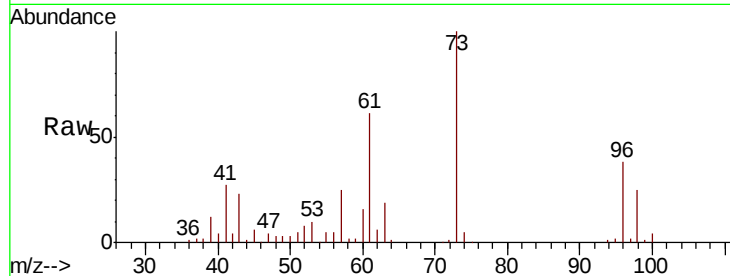
61 160.1 126.2 189.4

98 65.3 52.2 78.2

Manual Integrations  
APPROVED

MMDadoda

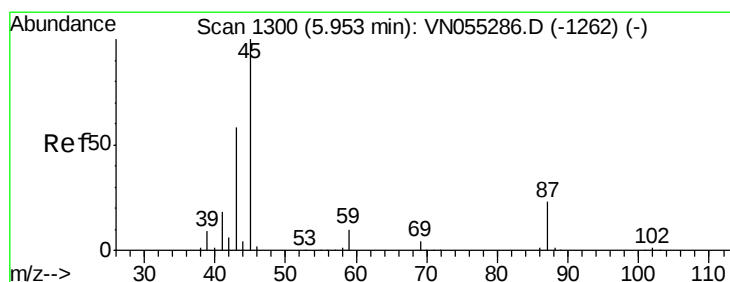
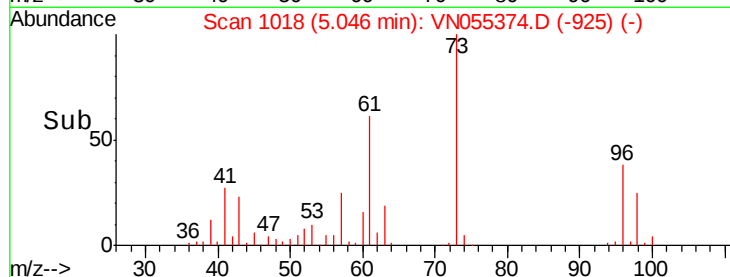
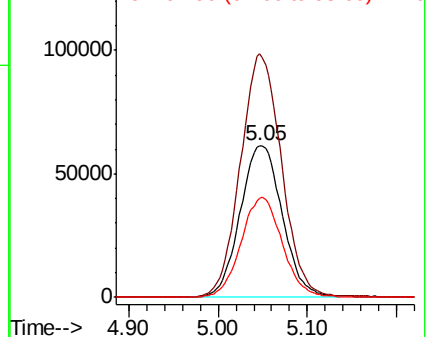
5/3/2019 1:08:33 PM



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



#22

Diisopropyl ether

Concen: 51.922 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Tgt Ion: 45 Resp: 866530

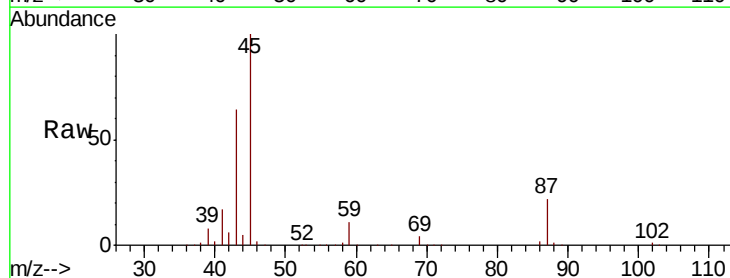
Ion Ratio Lower Upper

45 100

43 63.9 46.6 70.0

87 21.7 18.1 27.1

59 10.3 8.2 12.2

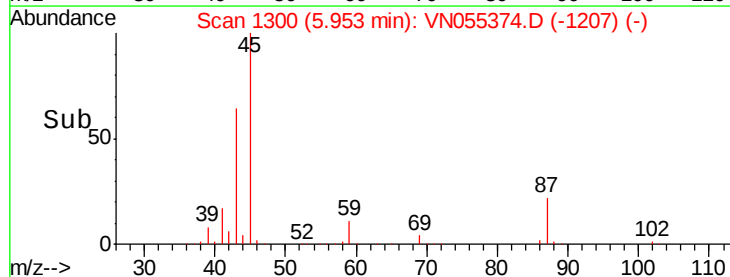
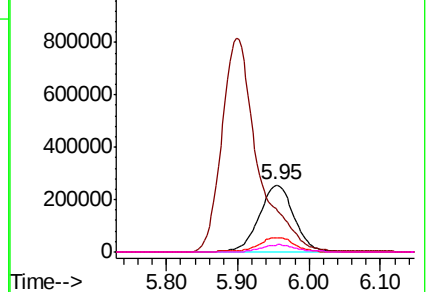


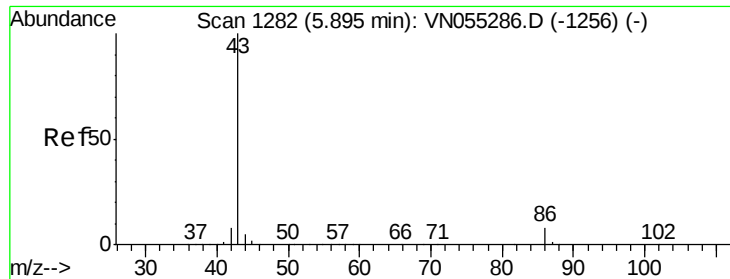
Abundance Ion 45.00 (44.70 to 45.70): VNC

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





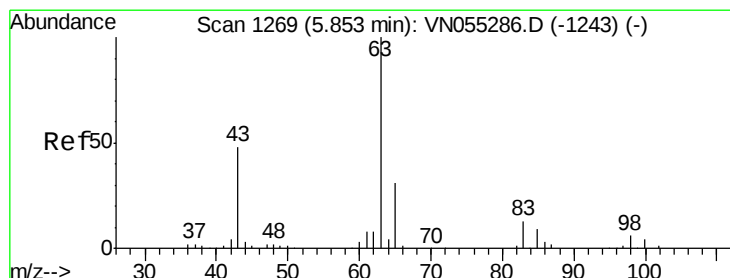
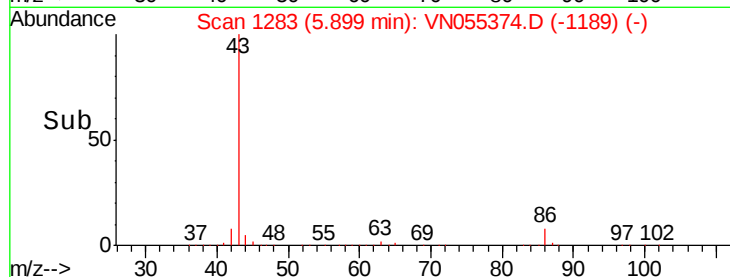
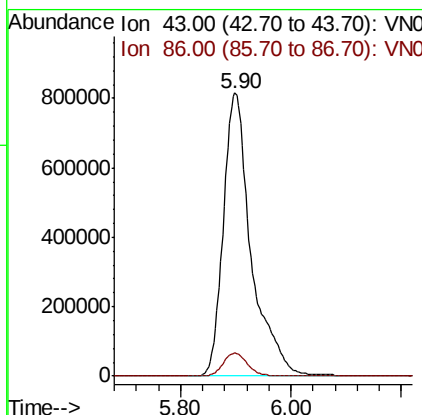
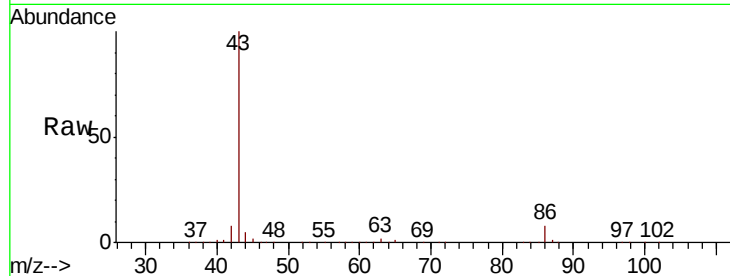
#23  
 Vinyl Acetate  
 Concen: 261.517 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2860489  
 Ion Ratio Lower Upper  
 43 100  
 86 8.1 6.6 10.0

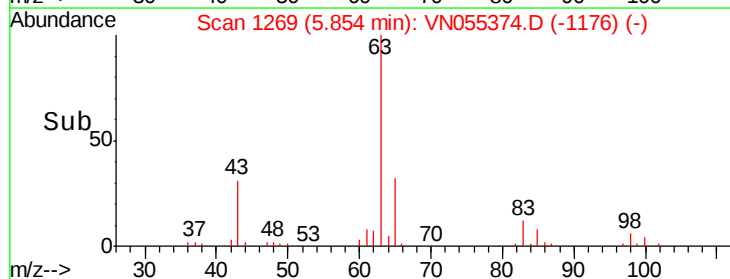
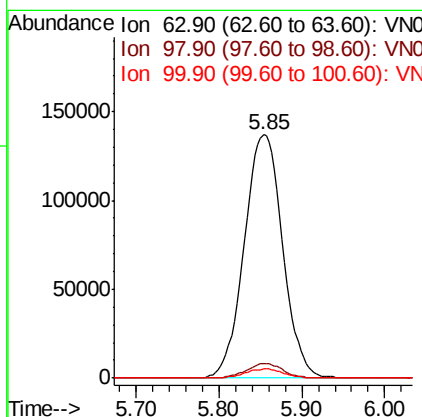
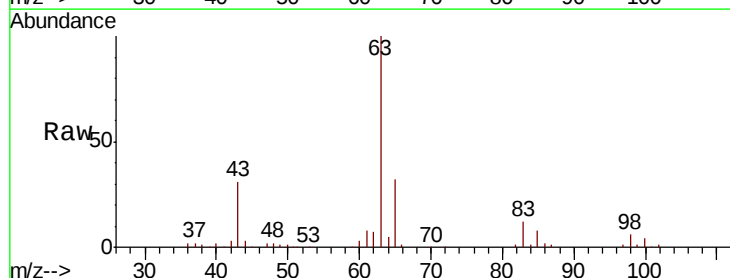
Manual Integrations  
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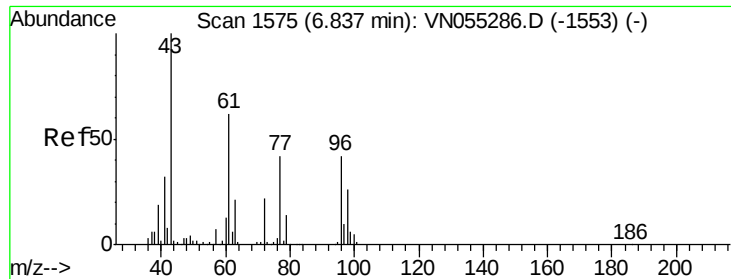
MMDadoda  
 5/3/2019 1:08:33 PM



#24  
 1,1-Dichloroethane  
 Concen: 49.576 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Tgt Ion: 63 Resp: 440844  
 Ion Ratio Lower Upper  
 63 100  
 98 6.1 3.0 9.0  
 100 3.6 1.8 5.4





#25

2-Butanone

Concen: 238.221 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 509850

Ion Ratio Lower Upper

43 100

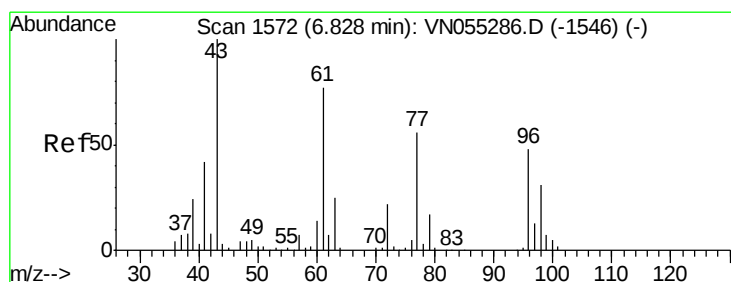
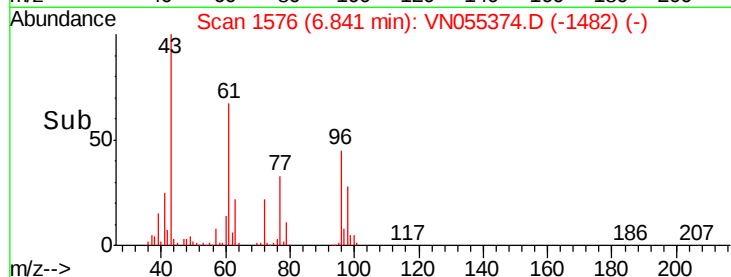
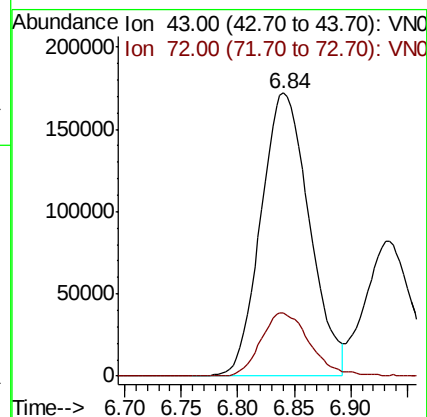
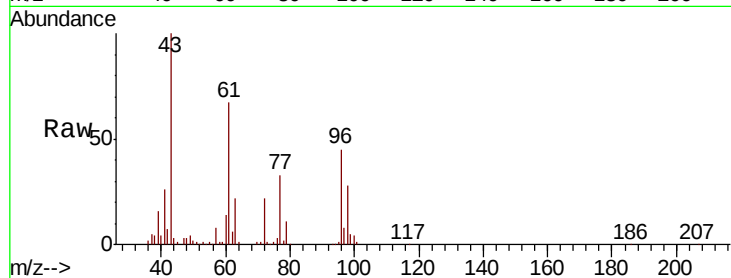
72 22.2 18.0 27.0

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#26

2,2-Dichloropropane

Concen: 35.053 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055374.D

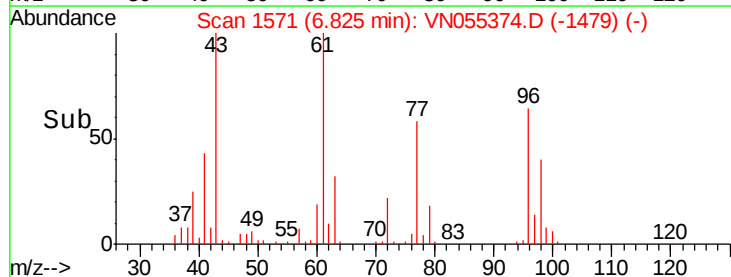
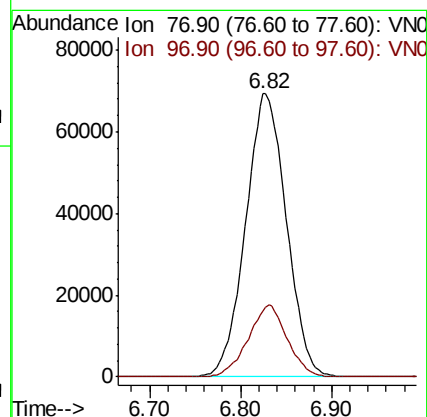
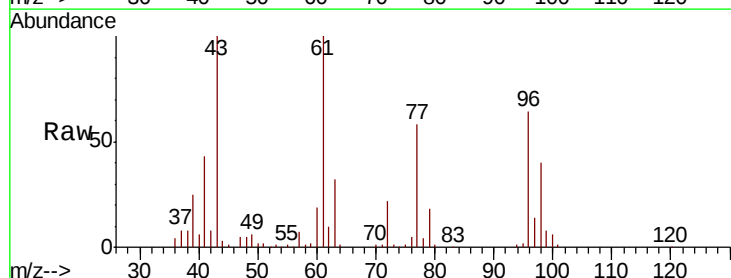
Acq: 3 May 2019 3:12

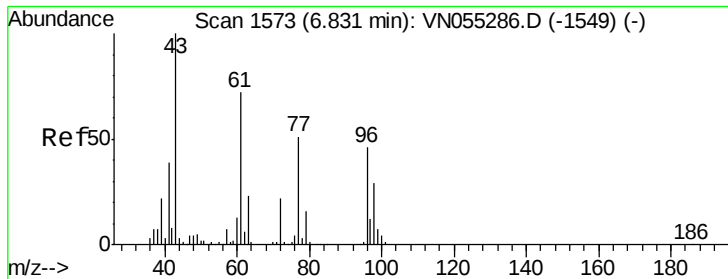
Tgt Ion: 77 Resp: 215237

Ion Ratio Lower Upper

77 100

97 24.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 50.189 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055374.D

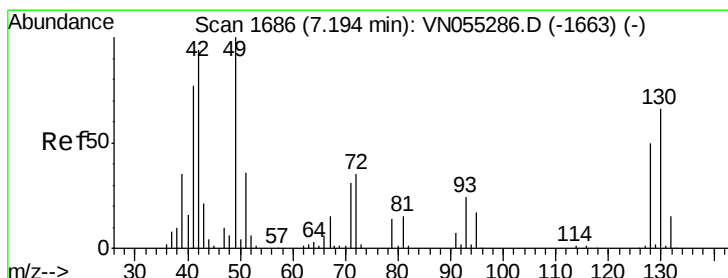
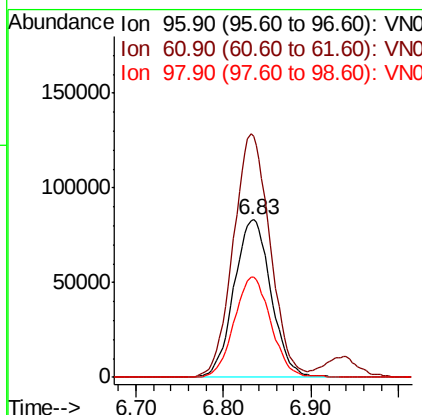
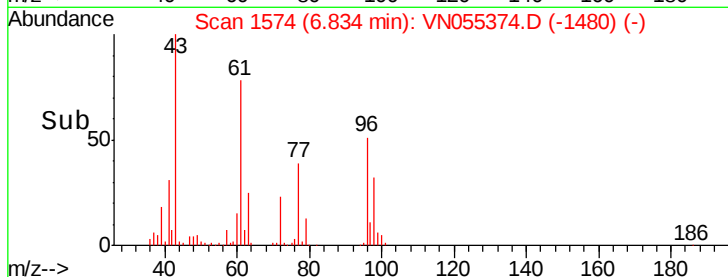
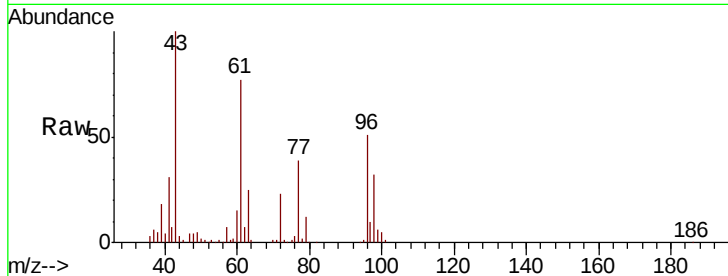
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 245147 |       |       |
| 61      | 152.8 | 0.0    | 316.2 |       |
| 98      | 62.9  | 0.0    | 126.6 |       |

Manual Integrations  
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#28

Bromochloromethane

Concen: 48.313 ug/l

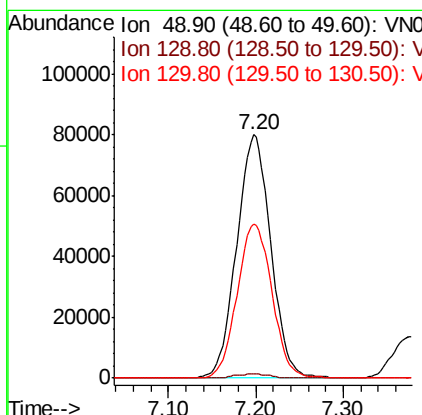
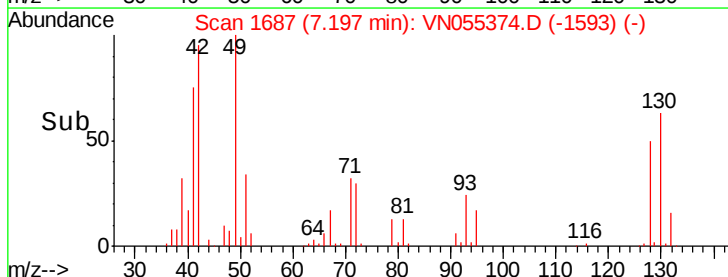
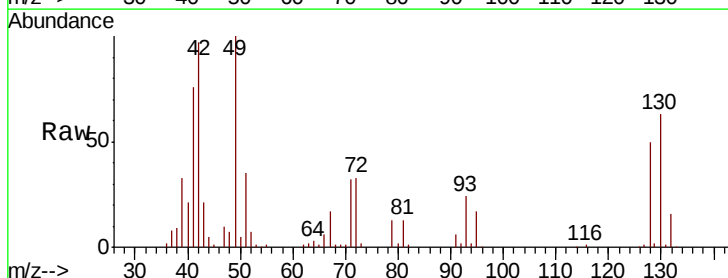
RT: 7.20 min Scan# 1687

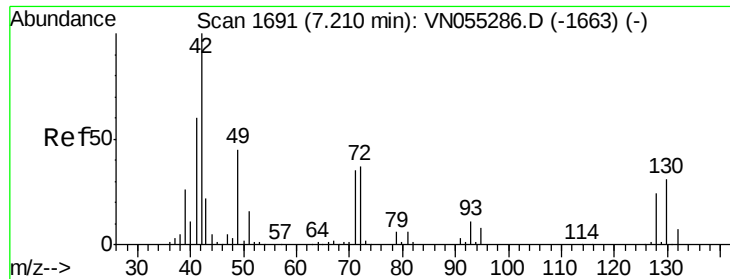
Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 49      | 100   | 216549 |       |       |
| 129     | 1.7   | 0.0    | 2.4   |       |
| 130     | 64.6  | 52.0   | 78.0  |       |





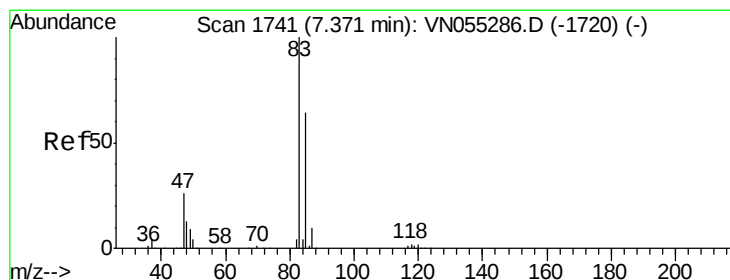
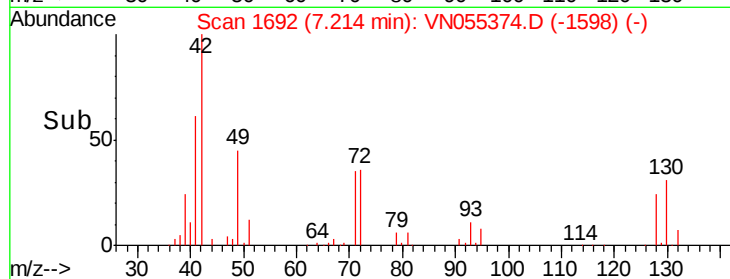
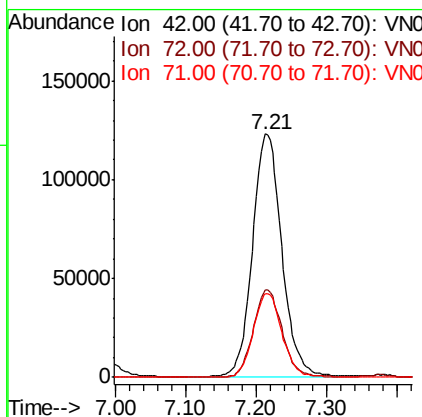
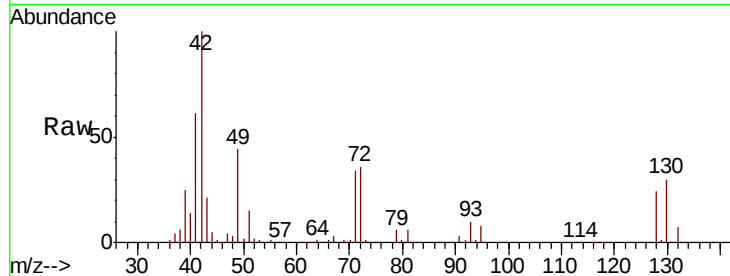
#29  
Tetrahydrofuran  
Concen: 260.515 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 35.2  | 29.0  | 43.6  |
| 71      | 33.9  | 27.1  | 40.7  |

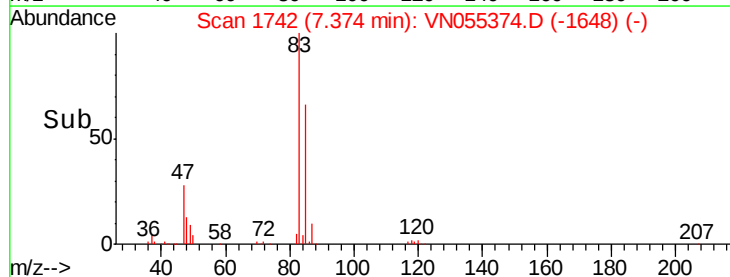
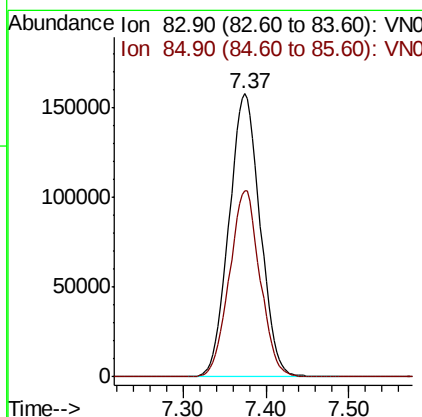
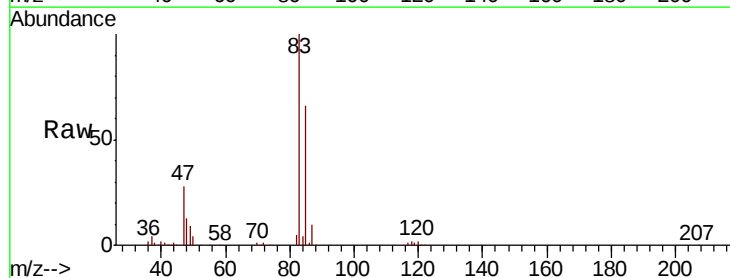
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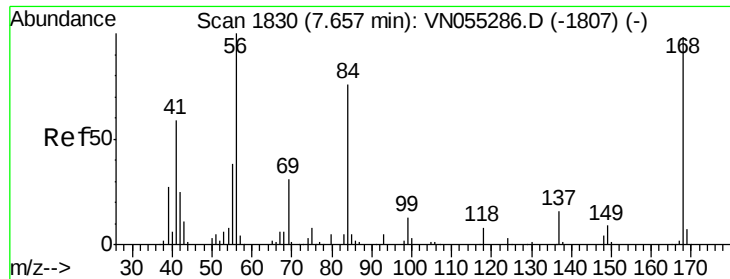
MMDadoda  
5/3/2019 1:08:33 PM



#30  
Chloroform  
Concen: 48.905 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.8  | 51.4  | 77.2  |





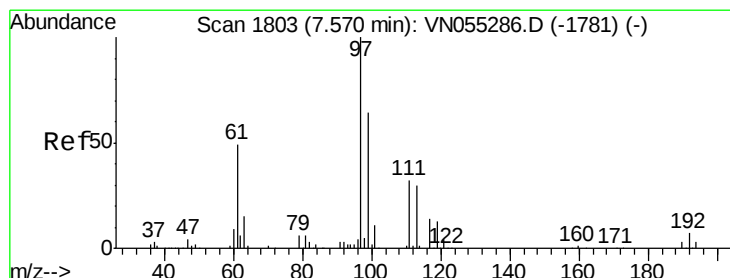
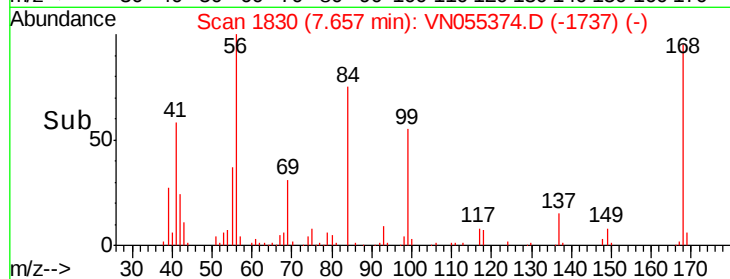
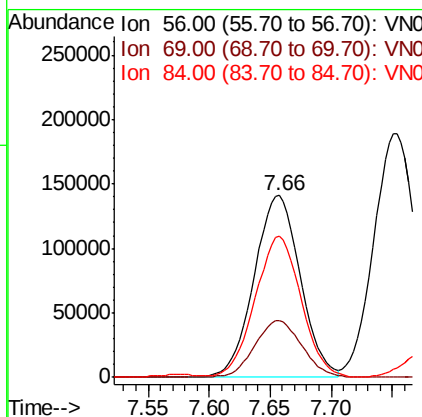
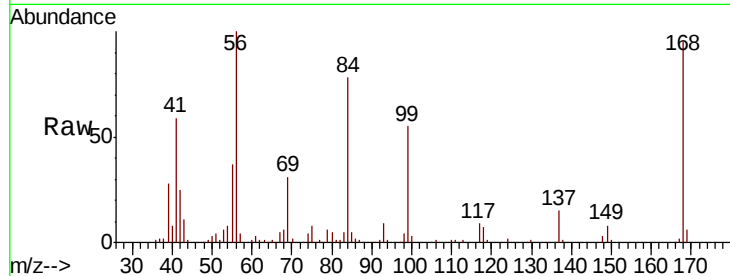
#31  
Cyclohexane  
Concen: 44.051 ug/l  
RT: 7.66 min Scan# 1830  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.3  | 25.2  | 37.8  |
| 84      | 76.2  | 61.1  | 91.7  |

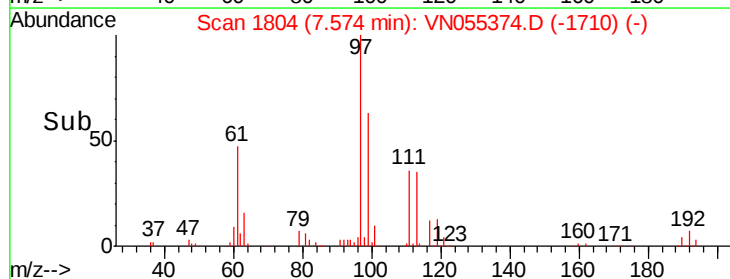
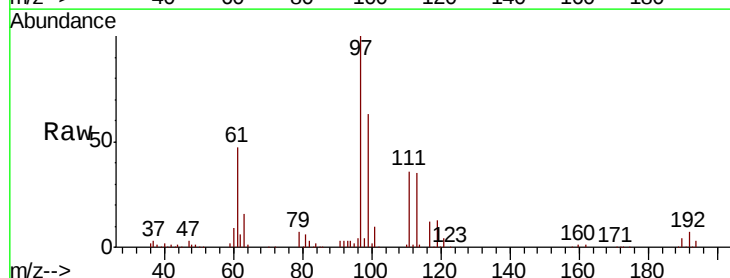
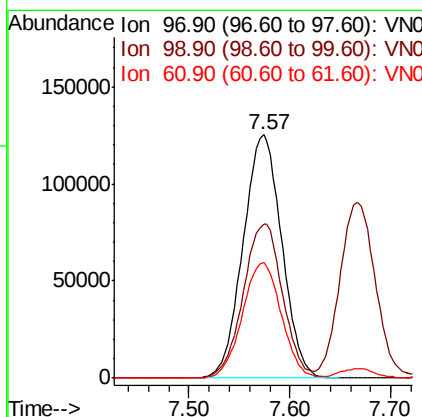
Manual Integrations  
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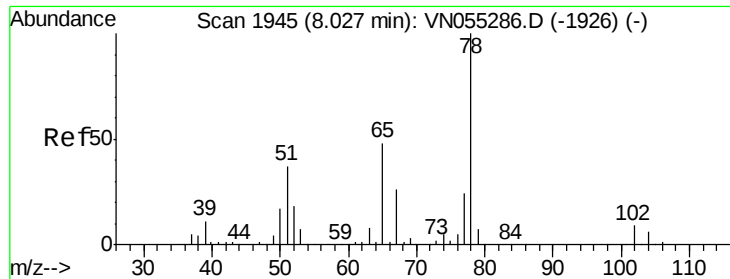
MMDadoda  
5/3/2019 1:08:33 PM



#32  
1,1,1-Trichloroethane  
Concen: 48.645 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.3  | 51.8  | 77.8  |
| 61      | 47.7  | 39.0  | 58.6  |





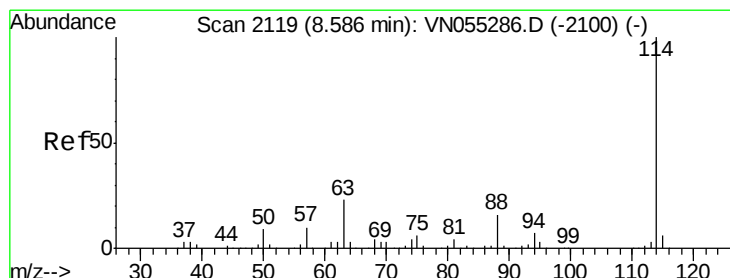
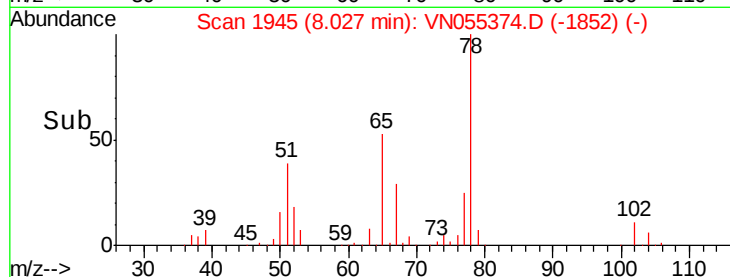
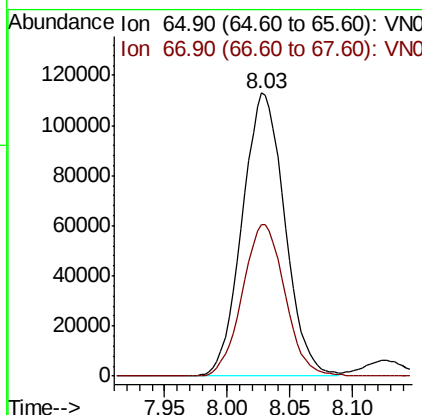
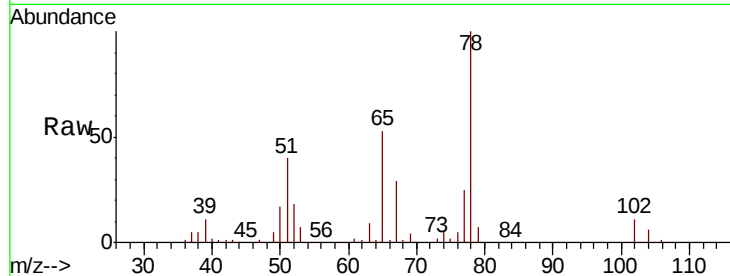
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.529 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 65 Resp: 266022  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 106.8

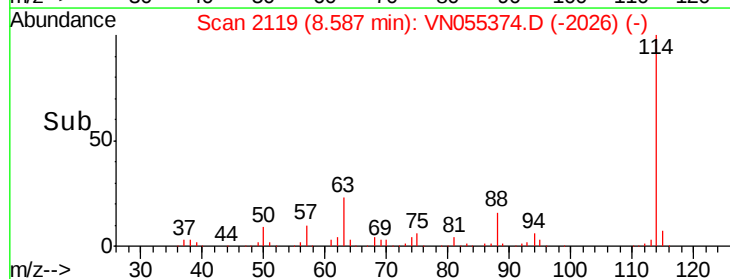
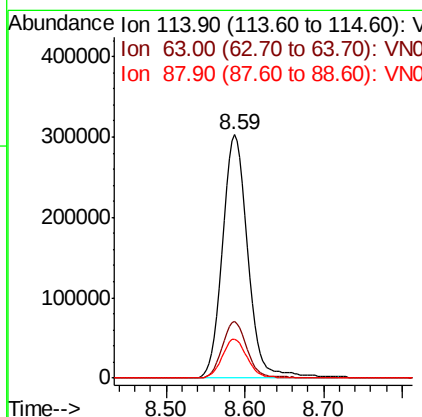
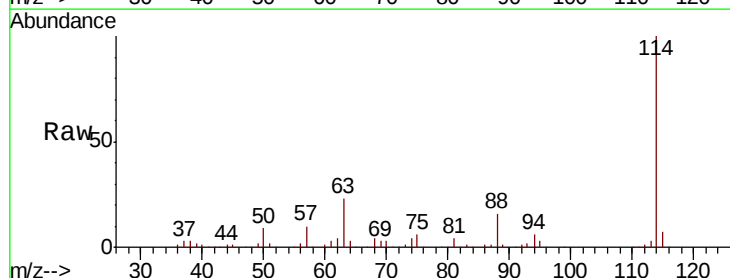
Manual Integrations  
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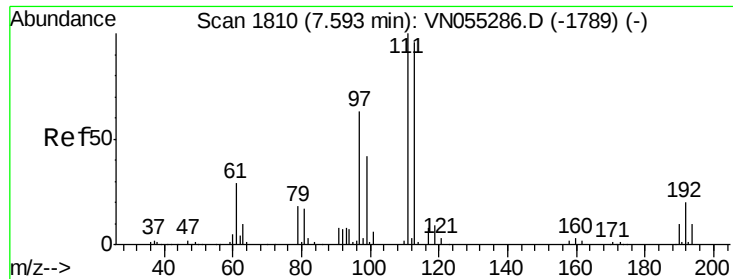
MMDadoda  
 5/3/2019 1:08:33 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Tgt Ion: 114 Resp: 673105  
 Ion Ratio Lower Upper  
 114 100  
 63 23.3 0.0 45.2  
 88 16.1 0.0 31.6





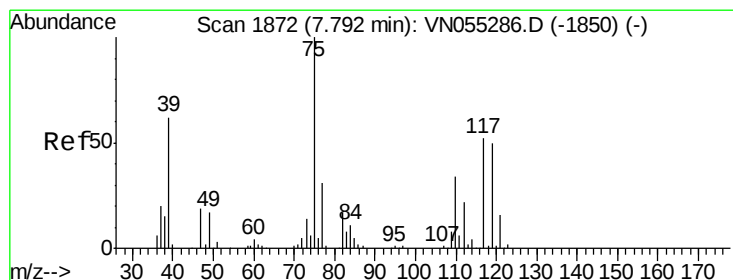
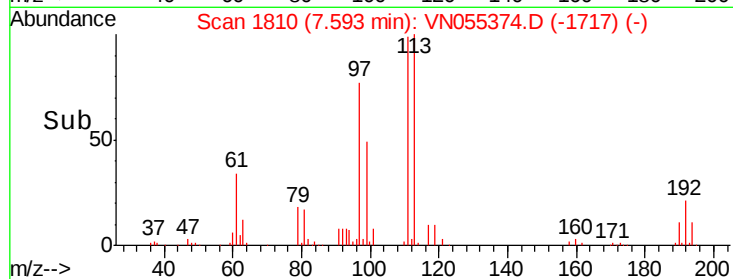
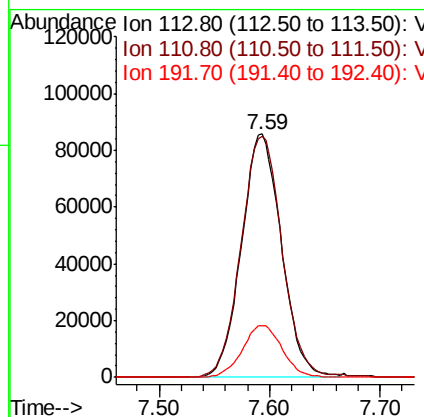
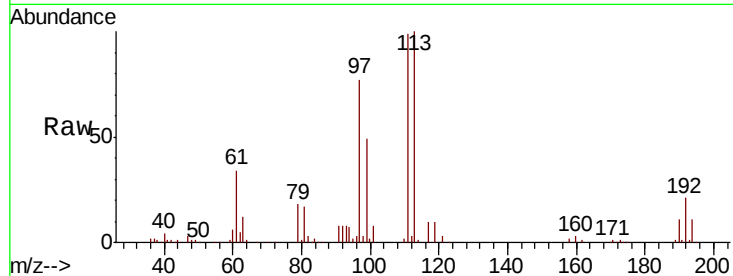
#35  
 Dibromofluoromethane  
 Concen: 48.734 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 215307 |       |       |
| 111     | 101.8 | 82.3   | 123.5 |       |
| 192     | 21.3  | 17.0   | 25.6  |       |

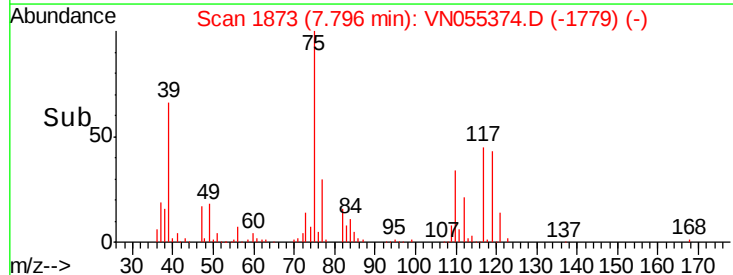
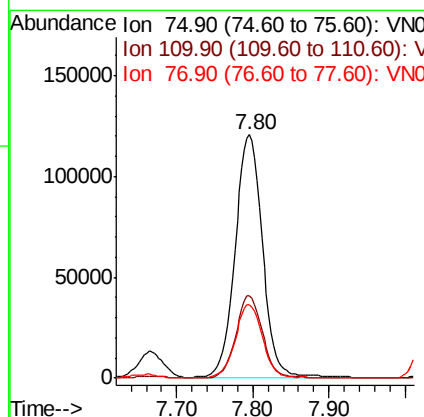
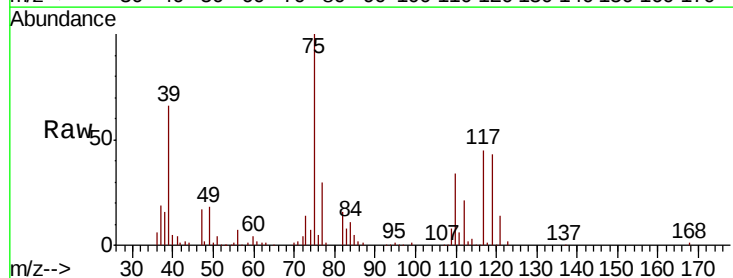
Manual Integrations  
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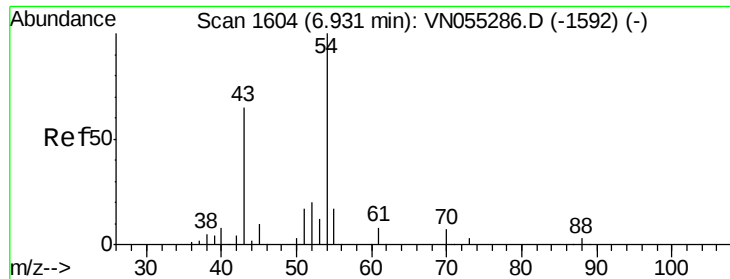
MMDadoda  
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#36  
 1,1-Dichloropropene  
 Concen: 46.541 ug/l  
 RT: 7.80 min Scan# 1873  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 300062 |       |       |
| 110     | 33.0  | 16.8   | 50.4  |       |
| 77      | 30.4  | 25.0   | 37.6  |       |





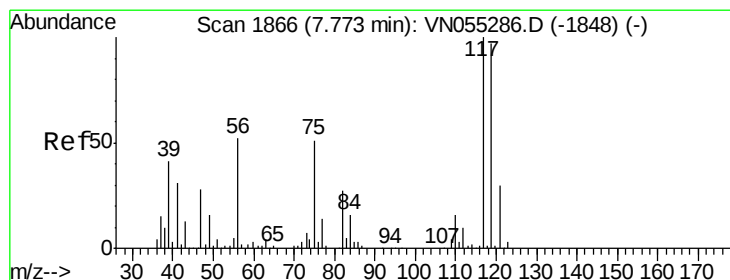
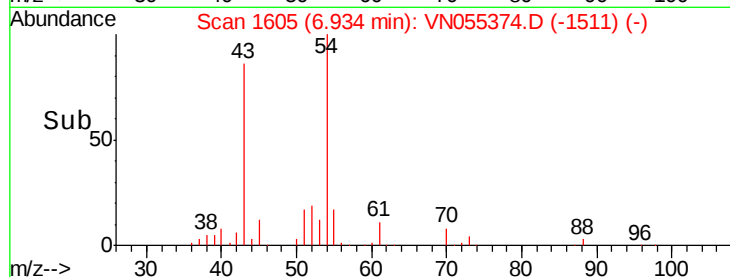
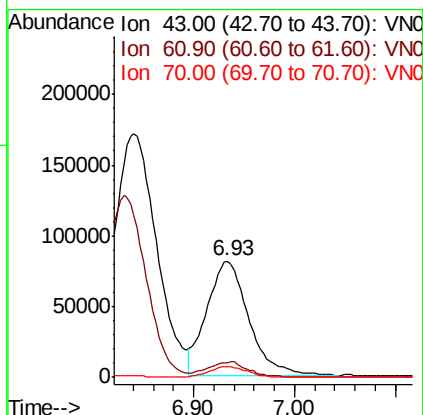
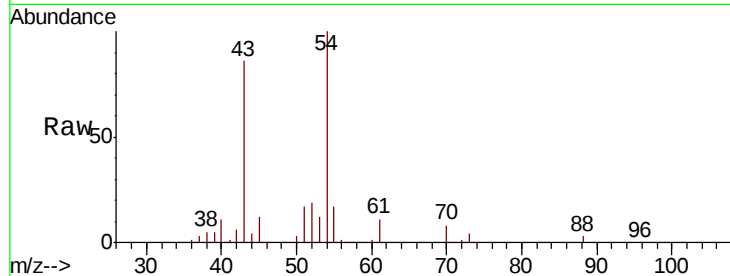
#37  
Ethyl Acetate  
Concen: 47.612 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.2  | 10.4  | 15.6  |
| 70      | 9.0   | 6.6   | 10.0  |

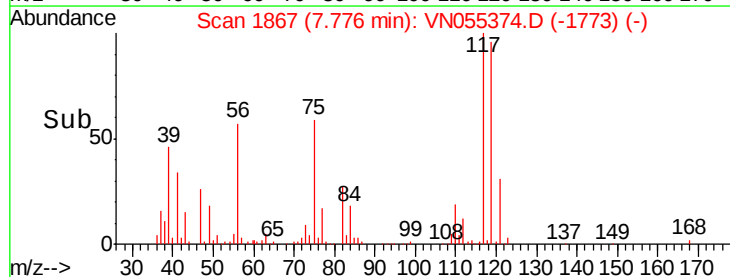
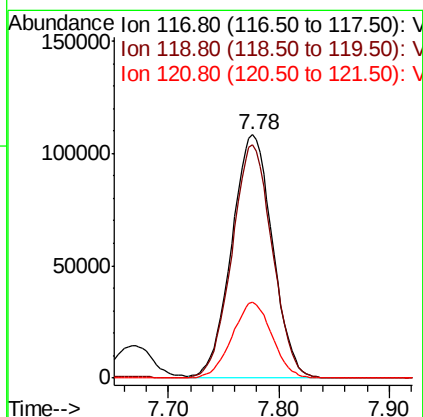
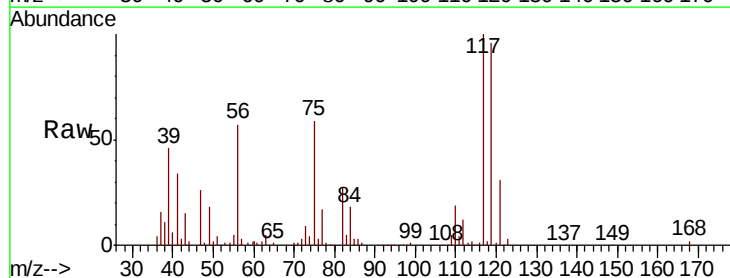
Manual Integrations  
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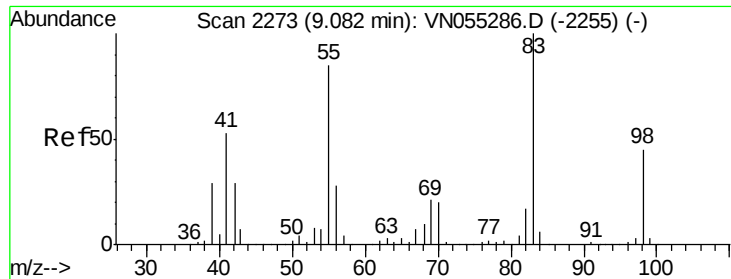
MMDadoda  
5/3/2019 1:08:33 PM



#38  
Carbon Tetrachloride  
Concen: 44.776 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.9  | 77.0  | 115.6 |
| 121     | 30.9  | 23.8  | 35.8  |





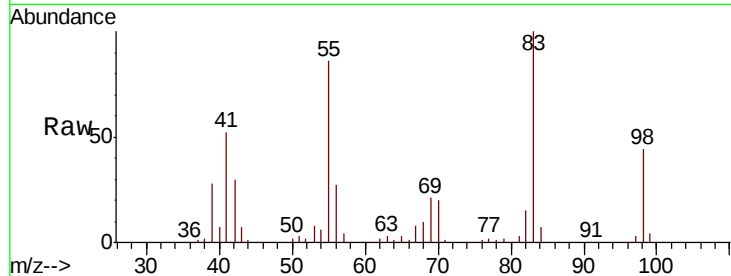
#39  
Methylcyclohexane  
Concen: 42.137 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

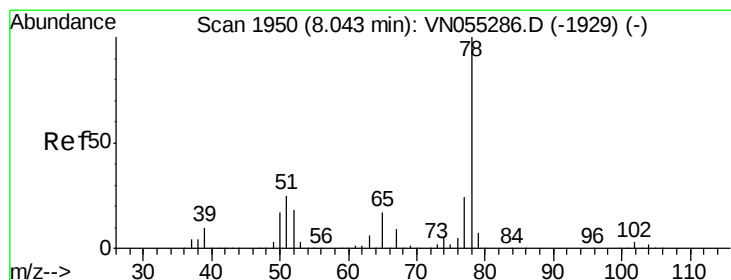
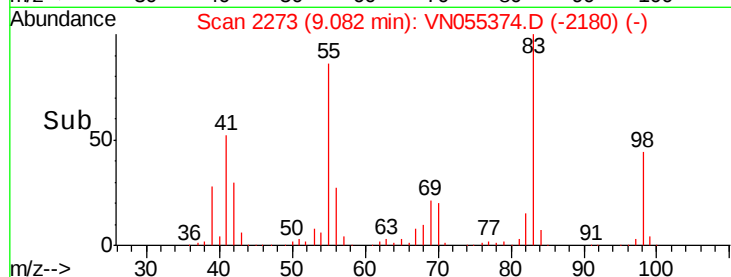
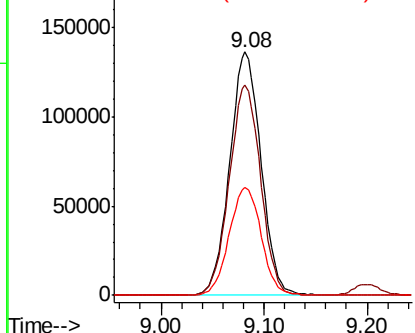
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 86.4  | 67.8  | 101.6 |
| 98      | 44.1  | 36.2  | 54.4  |

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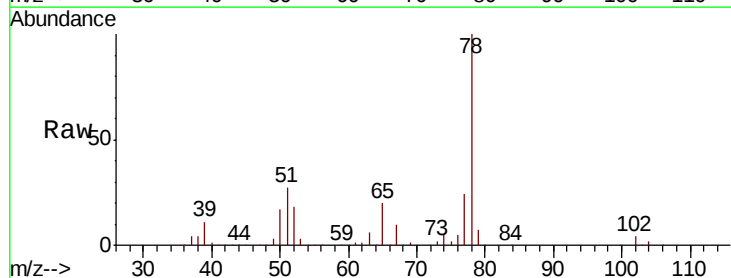


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

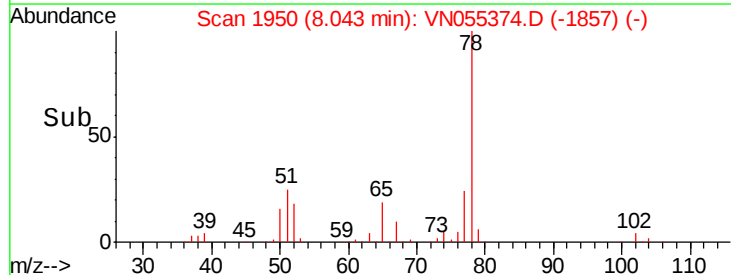
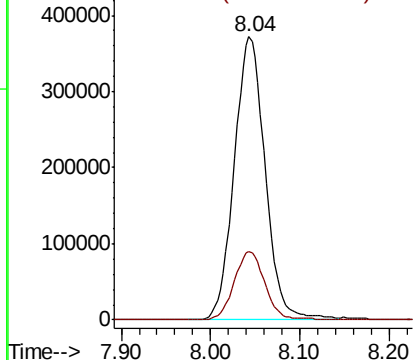


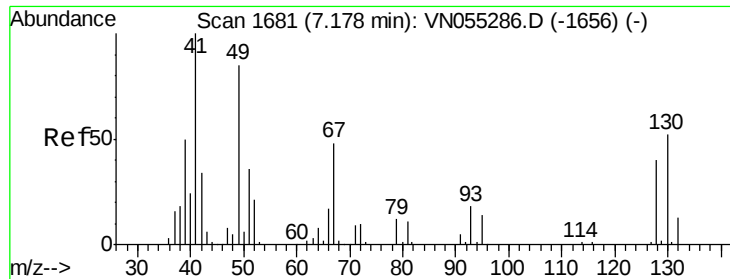
#40  
Benzene  
Concen: 47.214 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 24.2  | 19.0  | 28.6  |



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0





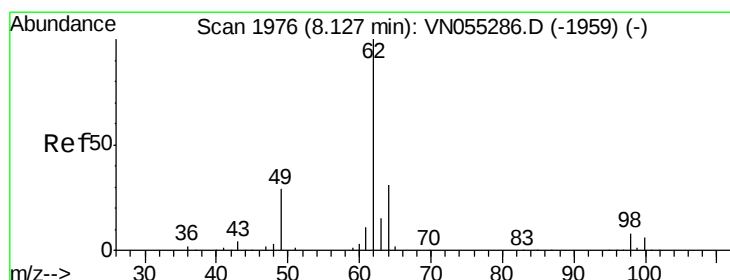
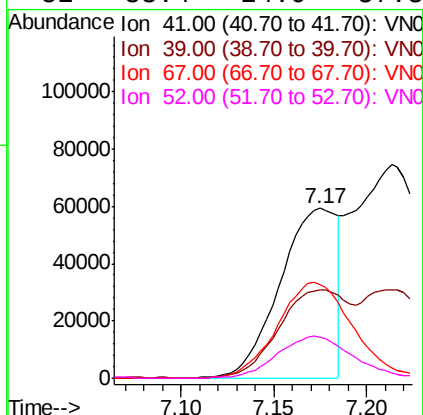
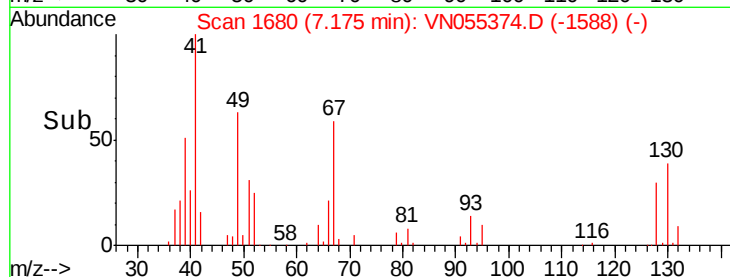
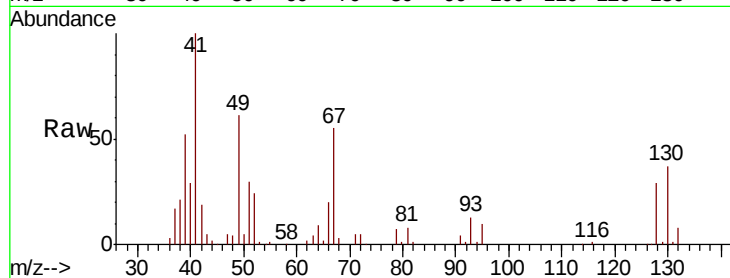
#41  
Methacrylonitrile  
Concen: 47.592 ug/l  
RT: 7.17 min Scan# 1680  
Delta R.T. -0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 64.9  | 48.5  | 72.7  |
| 67      | 74.6  | 54.9  | 82.3  |
| 52      | 33.4  | 24.9  | 37.3  |

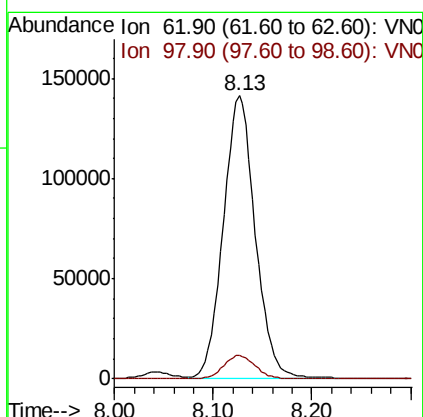
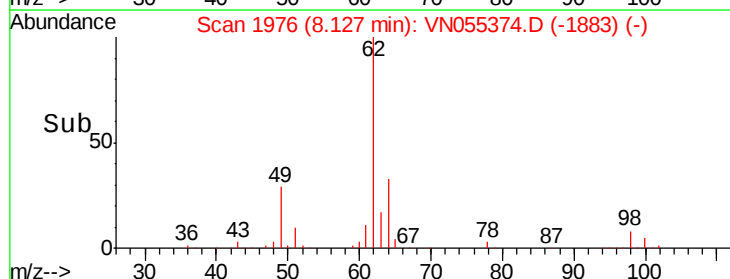
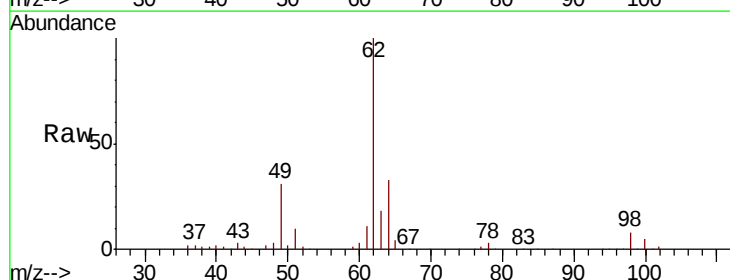
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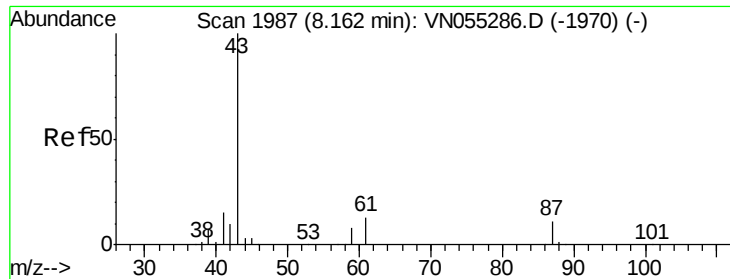
MMDadoda  
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#42  
1,2-Dichloroethane  
Concen: 47.262 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 8.3   | 0.0   | 16.4  |





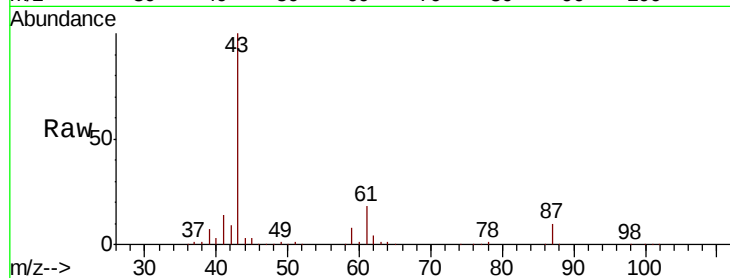
#43  
Isopropyl Acetate  
Concen: 52.384 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

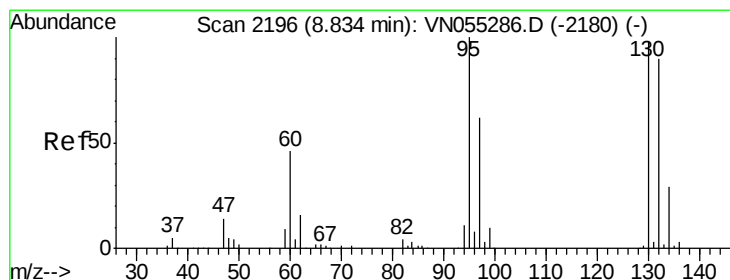
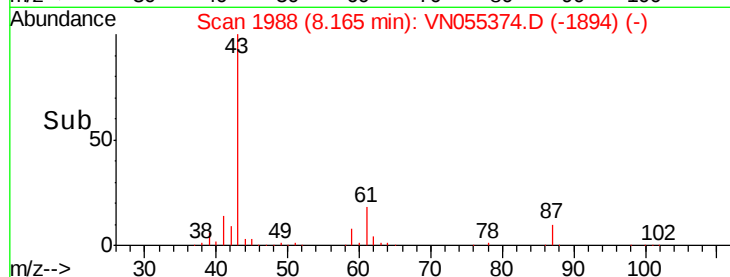
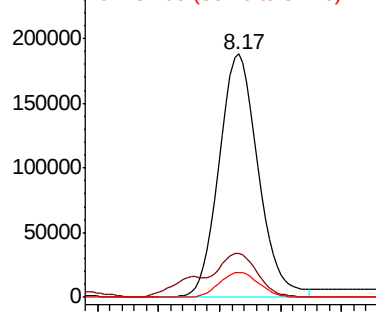
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.9  | 20.8  | 31.2# |
| 87      | 10.5  | 8.5   | 12.7  |

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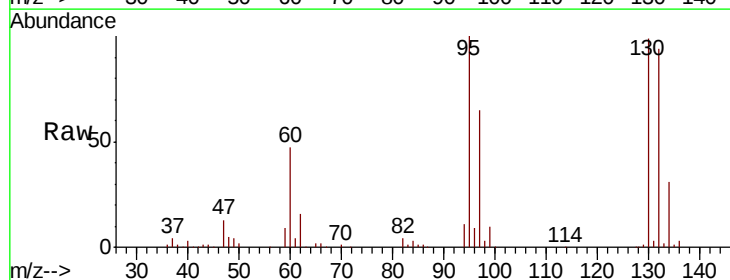


Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1970) (-)

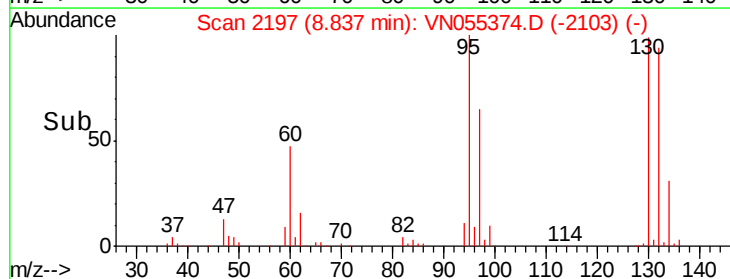
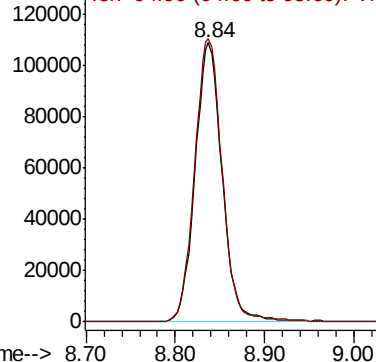


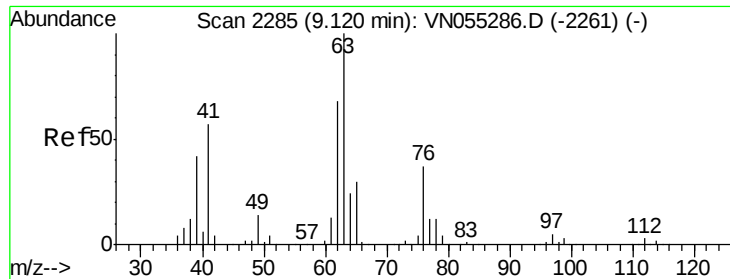
#44  
Trichloroethene  
Concen: 47.162 ug/l  
RT: 8.84 min Scan# 2197  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 101.4 | 0.0   | 203.4 |



Abundance Ion 129.80 (129.50 to 130.50): VN055286.D (-2180) (-)





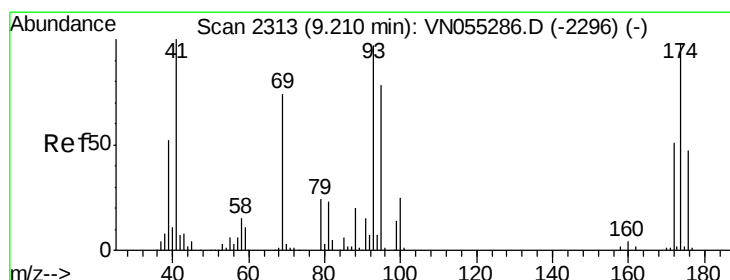
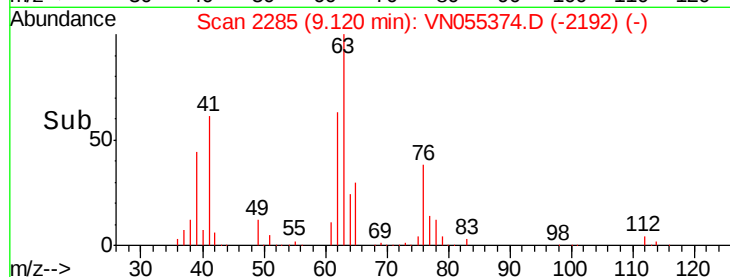
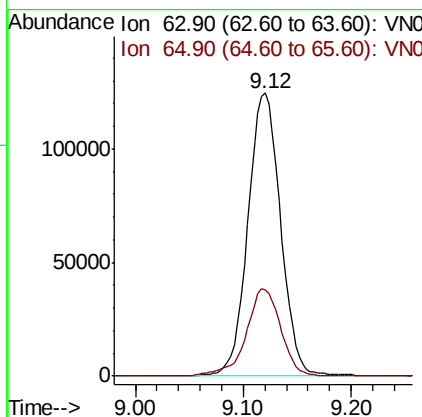
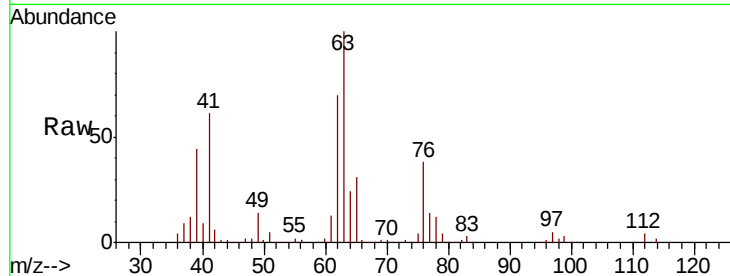
#45  
 1,2-Dichloropropane  
 Concen: 47.784 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 63 Resp: 261938  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 23.9 35.9

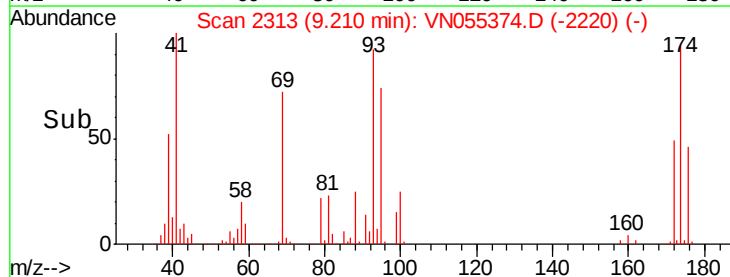
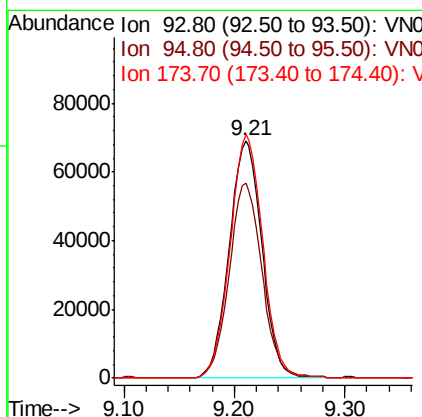
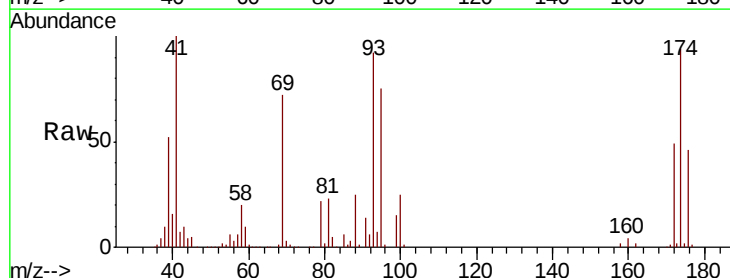
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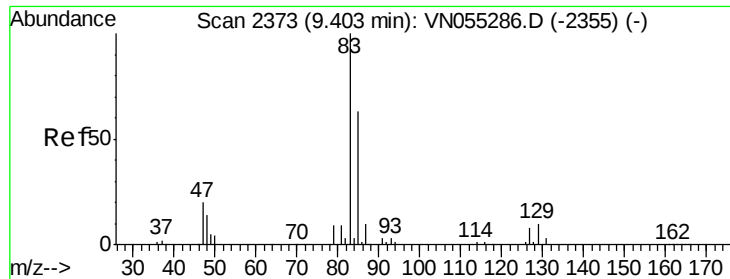
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#46  
 Dibromomethane  
 Concen: 47.586 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Tgt Ion: 93 Resp: 142584  
 Ion Ratio Lower Upper  
 93 100  
 95 81.9 65.7 98.5  
 174 102.3 81.5 122.3





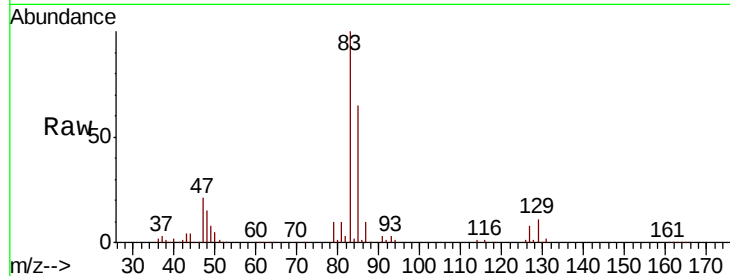
#47  
 Bromodichloromethane  
 Concen: 48.031 ug/l  
 RT: 9.40 min Scan# 2373  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 83      | 100   | 308744 |       |       |
| 85      | 65.1  |        | 50.1  | 75.1  |
| 127     | 8.2   |        | 6.7   | 10.1  |

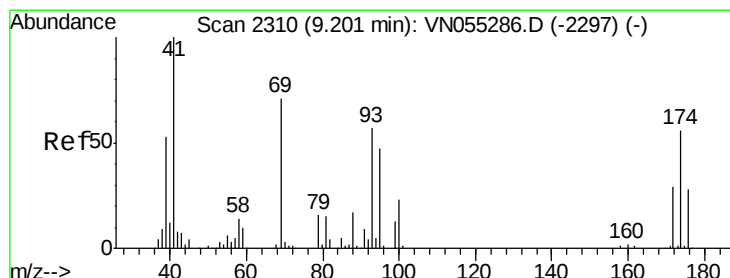
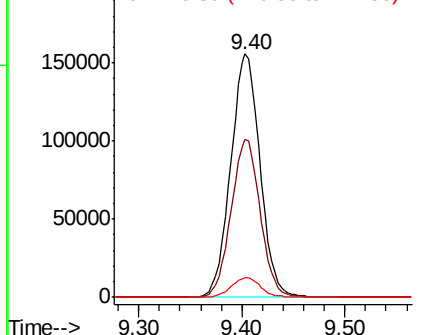
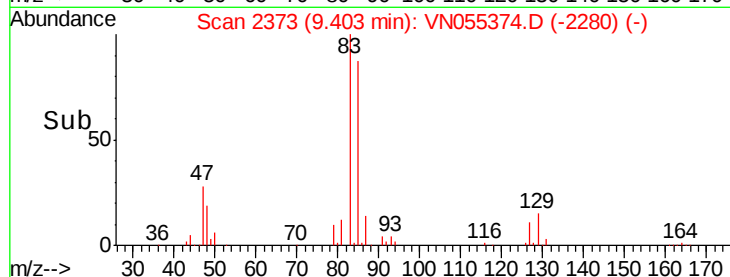
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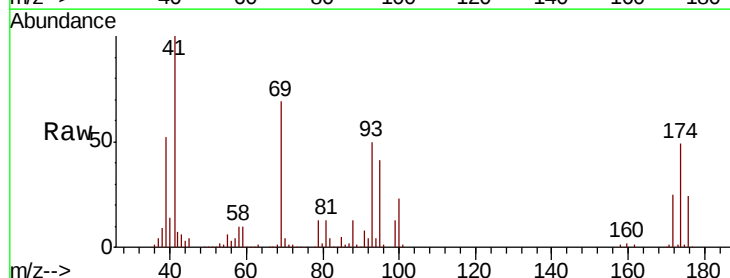
Abundance

Ion 82.90 (82.60 to 83.60): VN055374.D (-2280) (-)



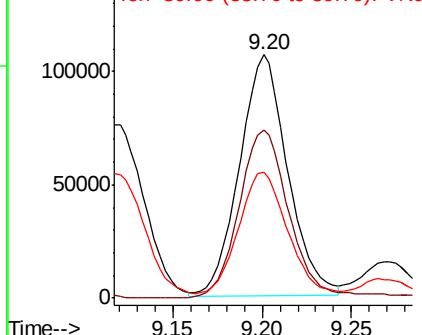
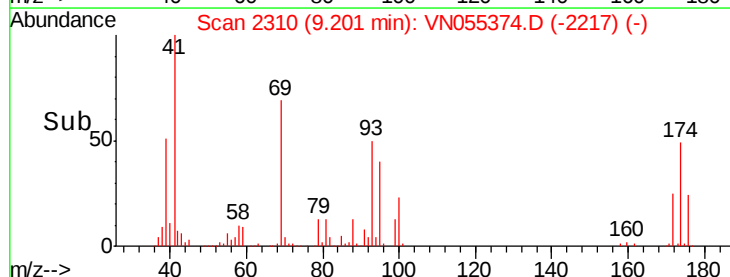
#48  
 Methyl methacrylate  
 Concen: 51.699 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

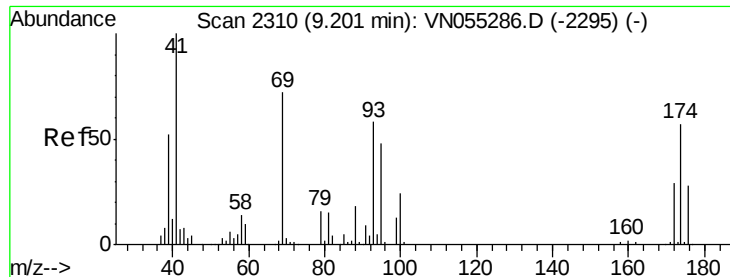
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 41      | 100   | 201824 |       |       |
| 69      | 73.8  |        | 58.6  | 87.8  |
| 39      | 53.5  |        | 43.8  | 65.6  |



Abundance

Ion 41.00 (40.70 to 41.70): VN055374.D (-2217) (-)





#49

1,4-Dioxane

Concen: 953.018 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

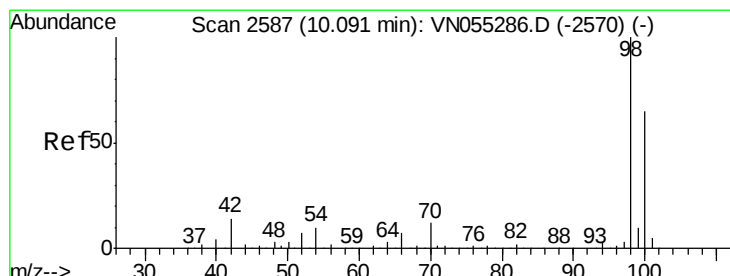
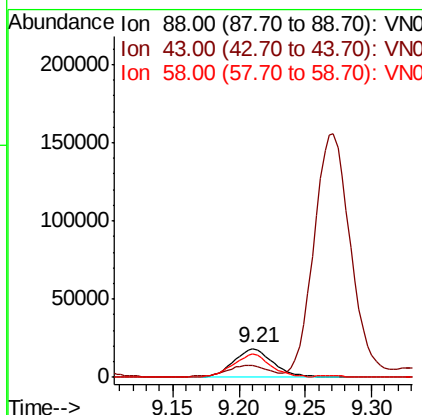
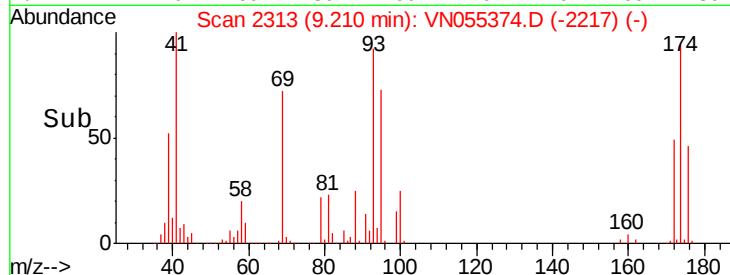
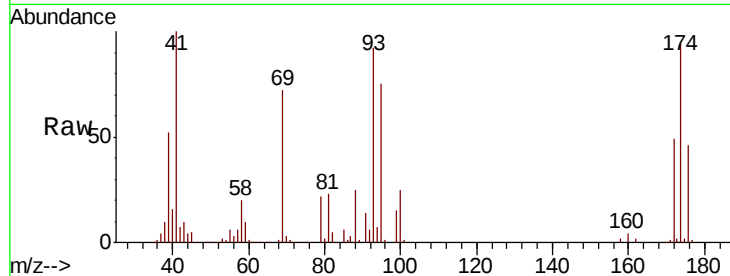
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 38459 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 43        | 40.6  | 33.3  | 49.9  |
| 58        | 77.5  | 62.7  | 94.1  |

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#50

Toluene-d8

Concen: 48.509 ug/l

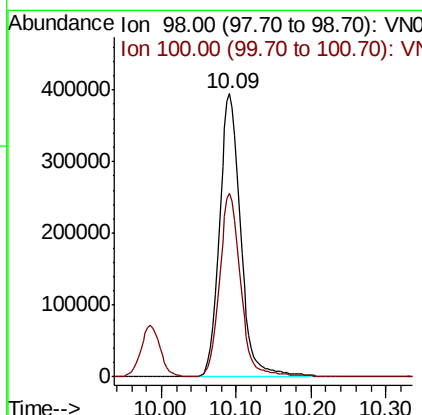
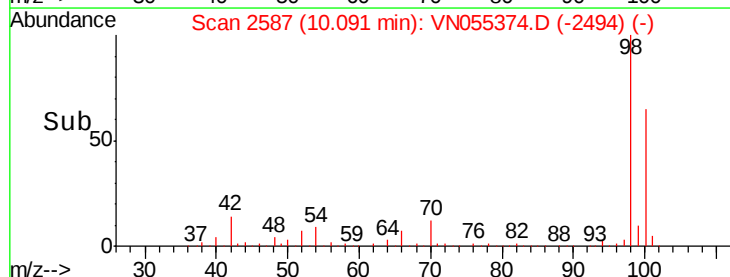
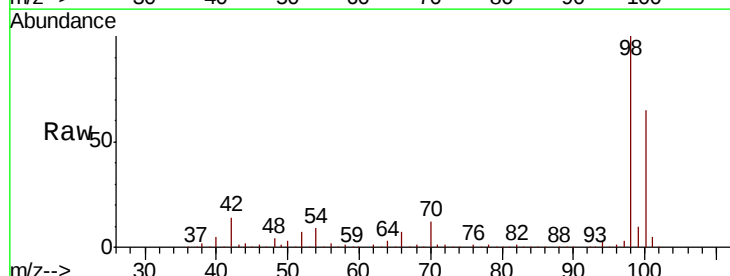
RT: 10.09 min Scan# 2587

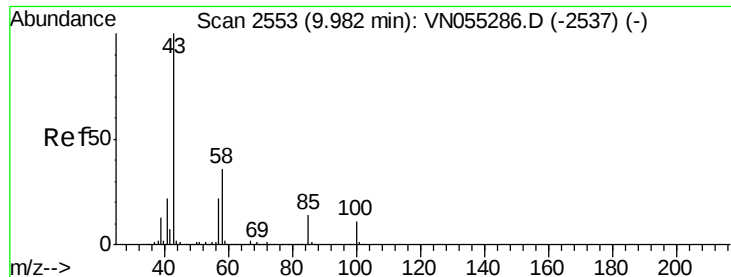
Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 98    | Resp: | 773873 |
| Ion Ratio | Lower | Upper |        |
| 98        | 100   |       |        |
| 100       | 63.3  | 51.7  | 77.5   |





#51

4-Methyl-2-Pentanone

Concen: 253.086 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1131521

Ion Ratio Lower Upper

43 100

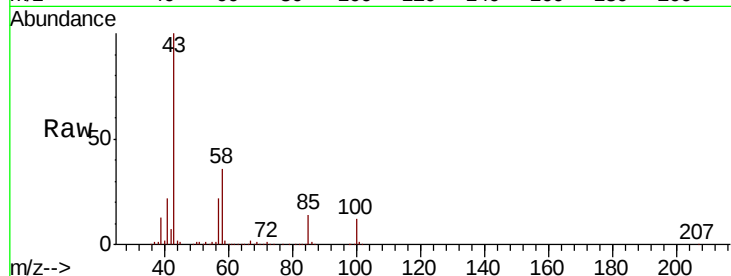
58 35.4 28.5 42.7

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

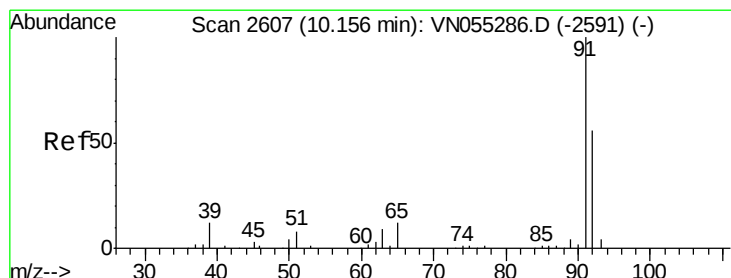
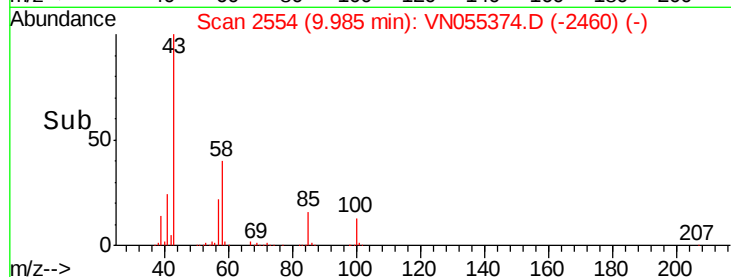
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 48.421 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055374.D

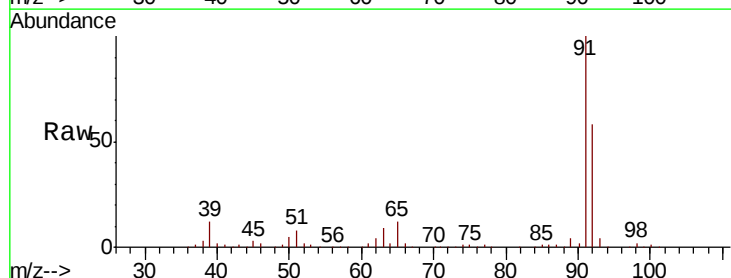
Acq: 3 May 2019 3:12

Tgt Ion: 92 Resp: 528040

Ion Ratio Lower Upper

92 100

91 172.9 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

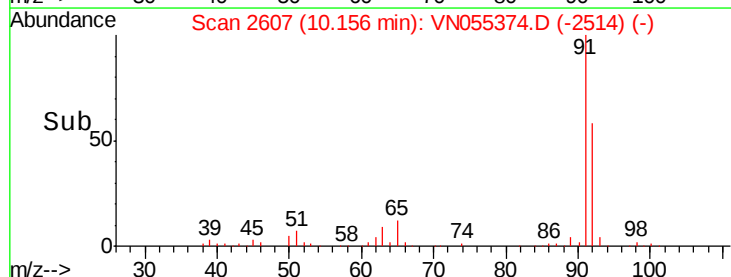
200000

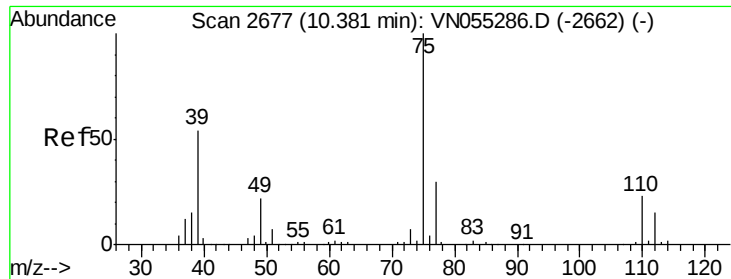
100000

0

10.10 10.20 10.30

Time-->





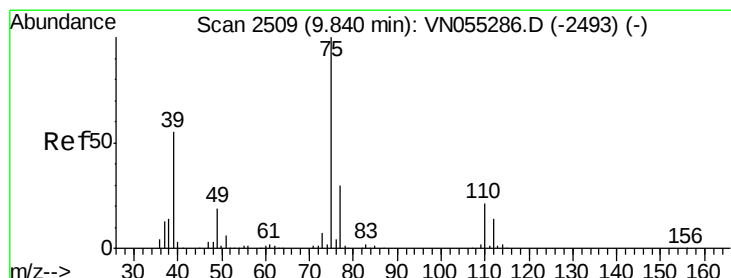
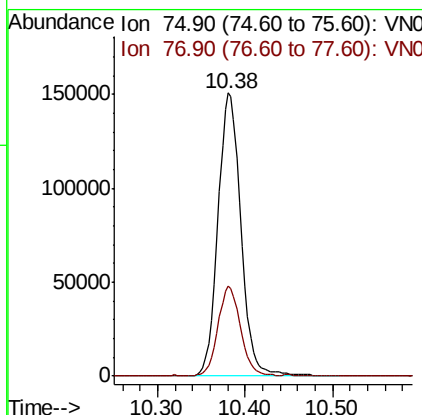
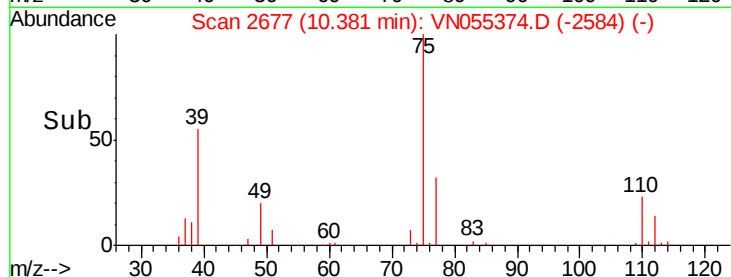
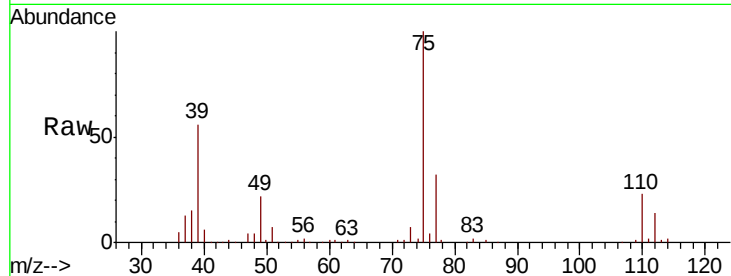
#53  
t-1,3-Dichloropropene  
Concen: 49.192 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 75 Resp: 274503  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.4 36.6

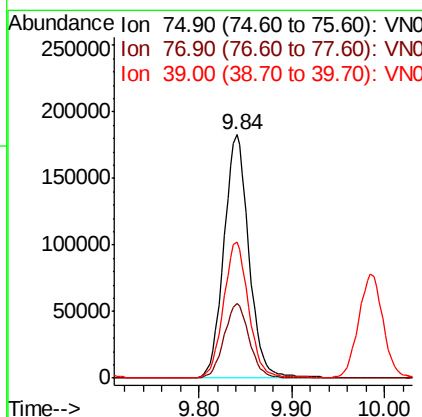
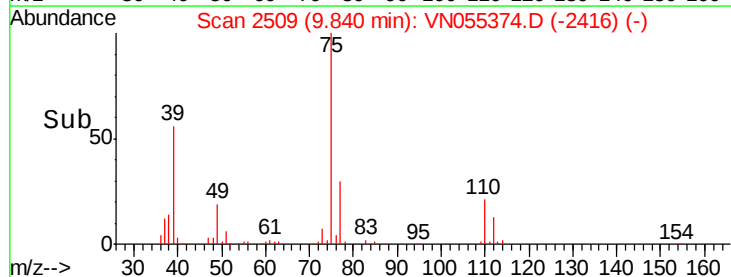
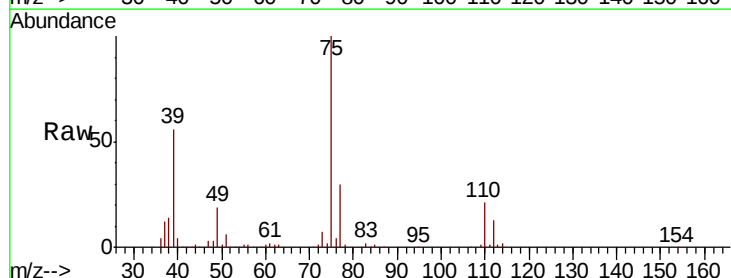
Manual Integrations  
APPROVED

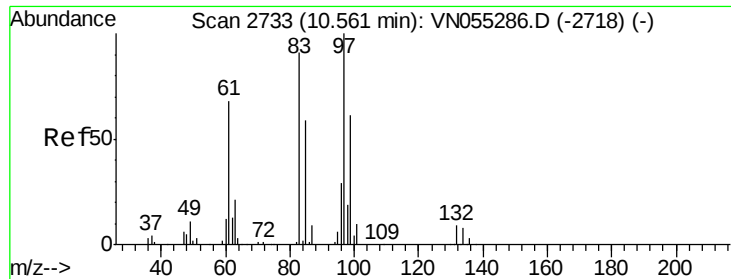
MMDadoda  
5/3/2019 1:08:33 PM



#54  
cis-1,3-Dichloropropene  
Concen: 49.225 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Tgt Ion: 75 Resp: 342479  
Ion Ratio Lower Upper  
75 100  
77 30.5 24.2 36.2  
39 55.6 44.2 66.2





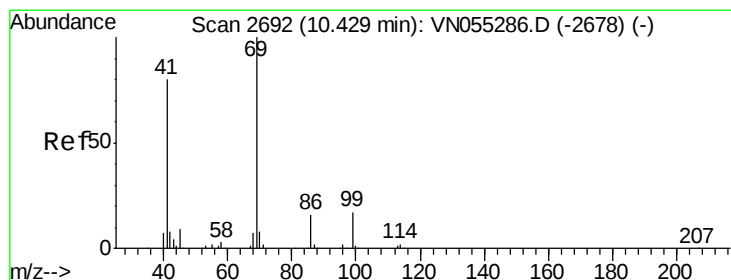
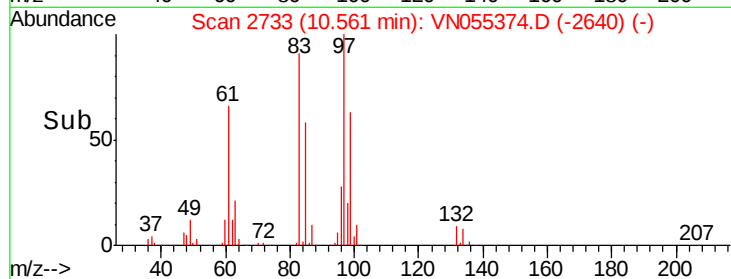
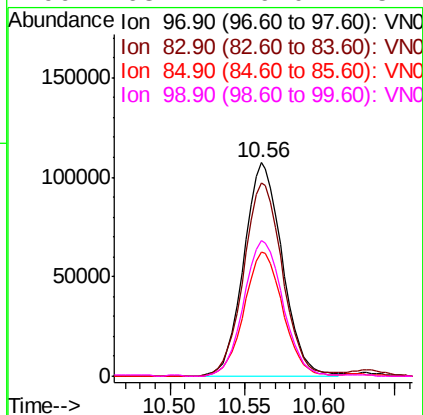
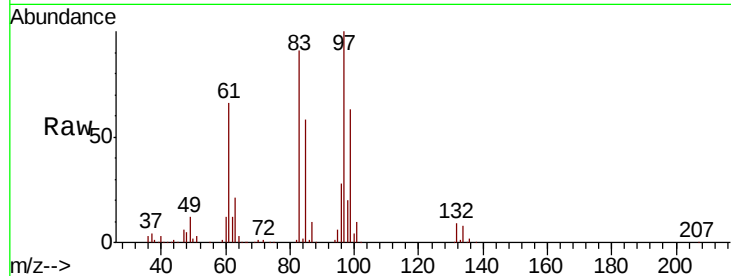
#55  
 1,1,2-Trichloroethane  
 Concen: 47.657 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 192989 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.7  | 72.8  | 109.2  |
| 85       | 58.2  | 47.0  | 70.6   |
| 99       | 63.1  | 49.0  | 73.4   |

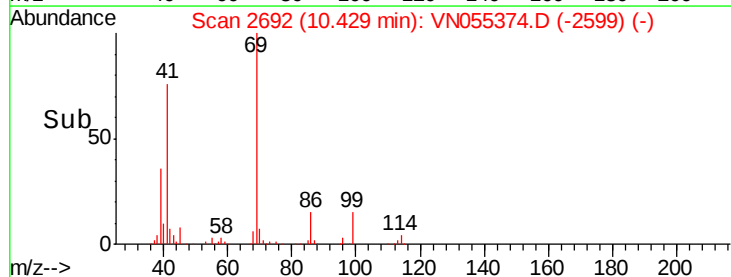
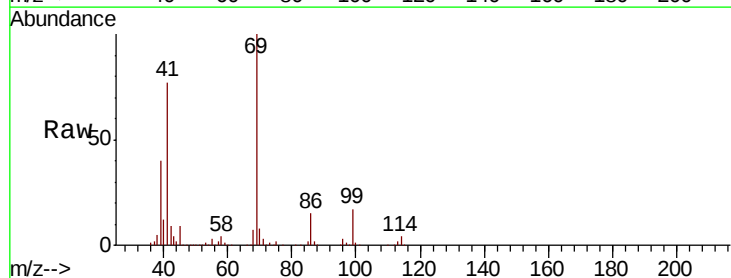
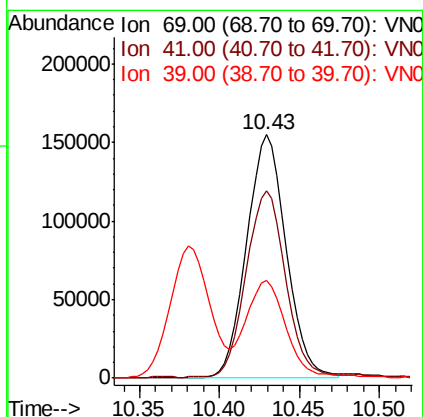
Manual Integrations  
 APPROVED

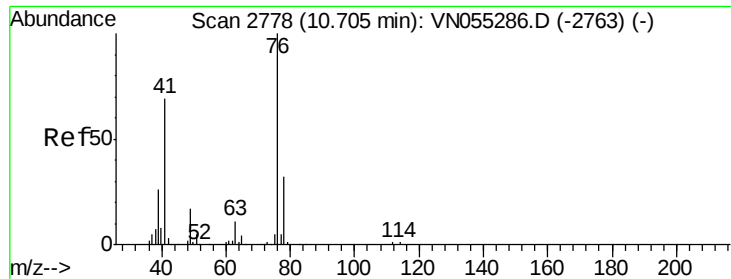
MMDadoda  
 5/3/2019 1:08:33 PM



#56  
 Ethyl methacrylate  
 Concen: 52.525 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 261805 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 76.2  | 62.7  | 94.1   |
| 39       | 40.5  | 32.0  | 48.0   |





#57

1,3-Dichloropropane

Concen: 48.849 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 347026

Ion Ratio Lower Upper

76 100

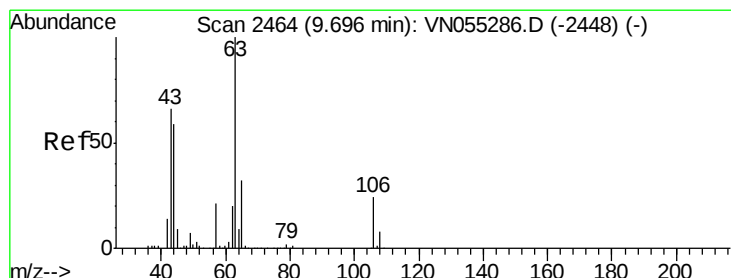
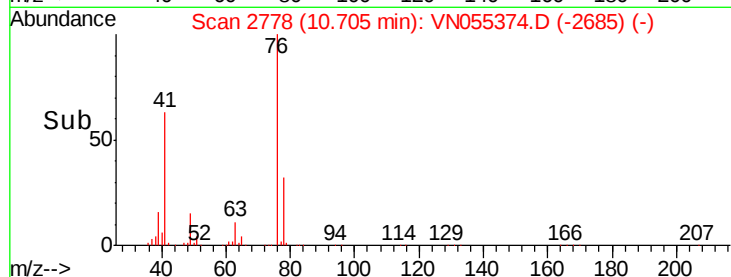
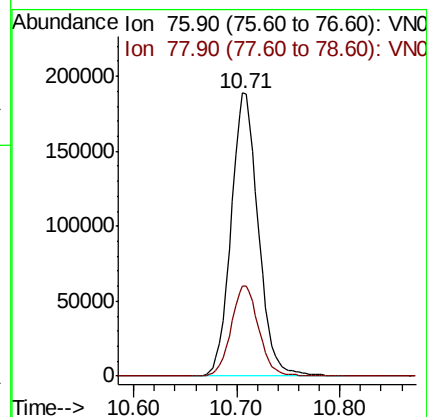
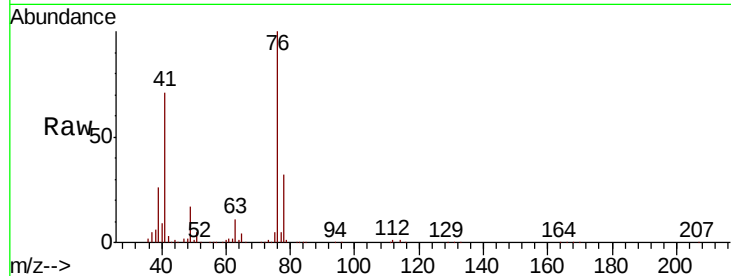
78 32.5 25.6 38.4

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 201.506 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055374.D

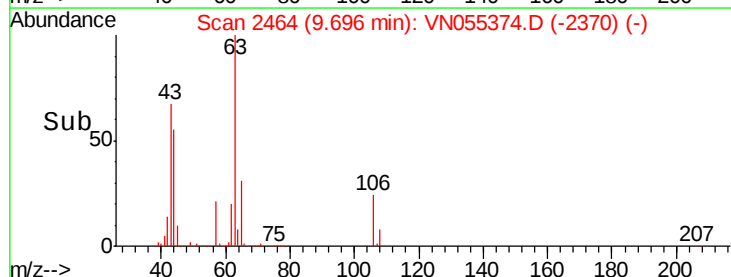
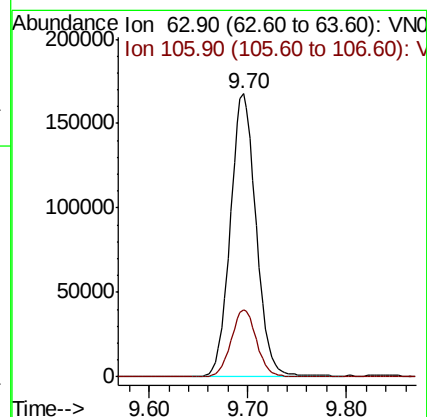
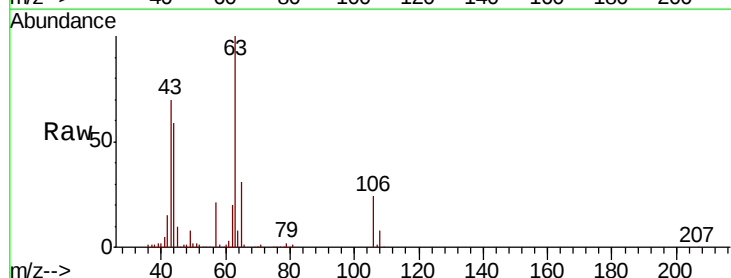
Acq: 3 May 2019 3:12

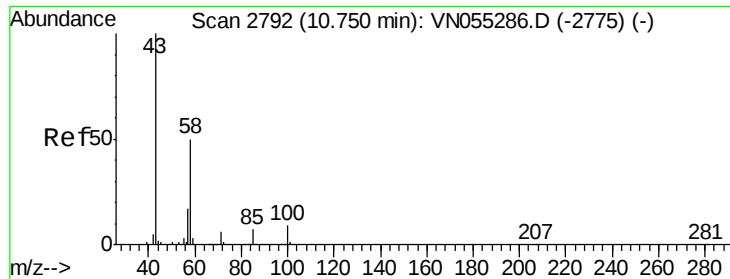
Tgt Ion: 63 Resp: 307791

Ion Ratio Lower Upper

63 100

106 23.3 19.0 28.4





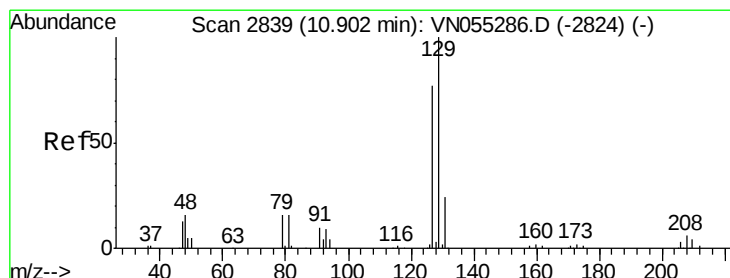
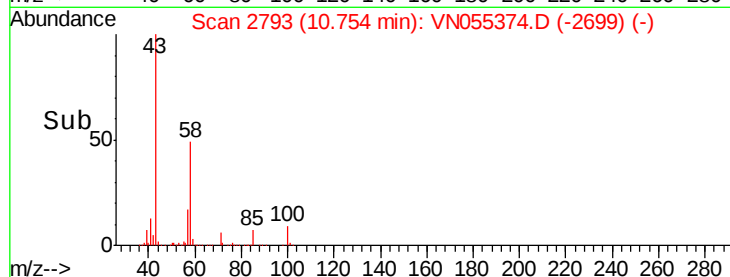
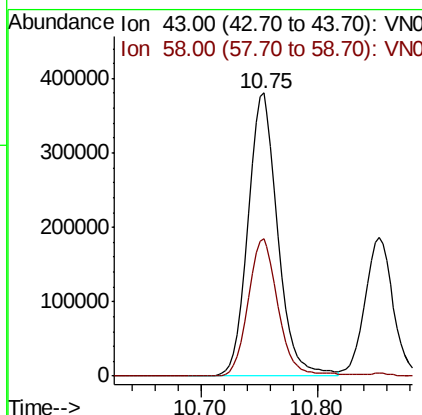
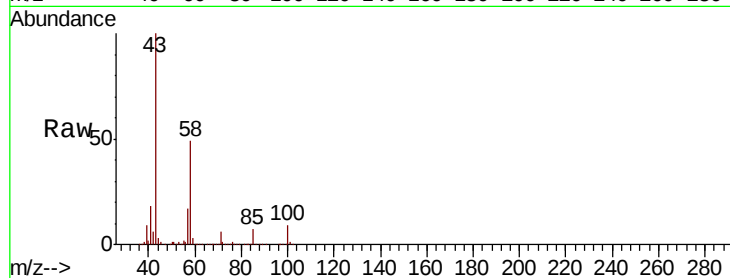
#59  
2-Hexanone  
Concen: 243.143 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 680164  
Ion Ratio Lower Upper  
43 100  
58 49.1 24.9 74.6

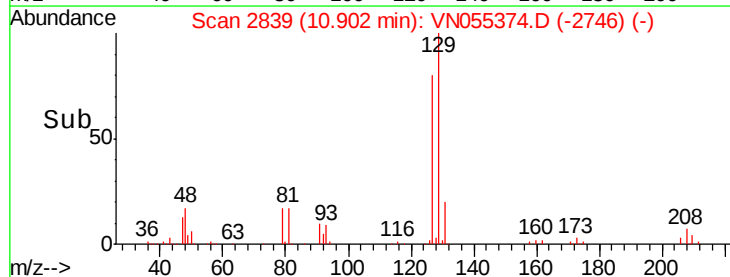
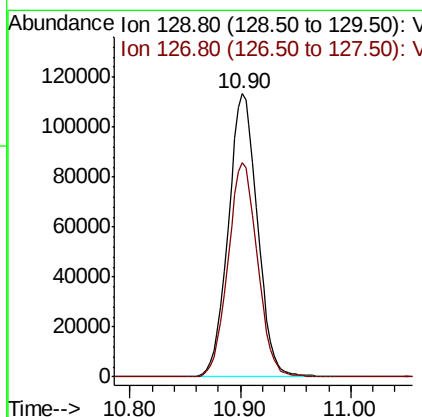
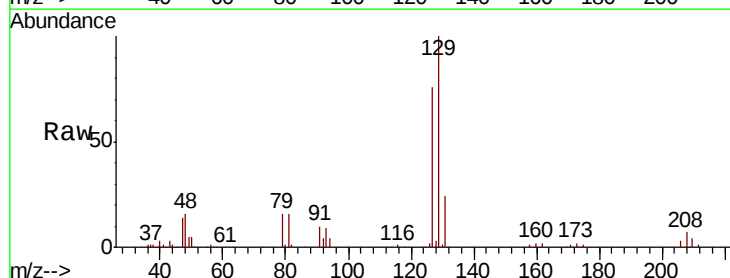
Manual Integrations  
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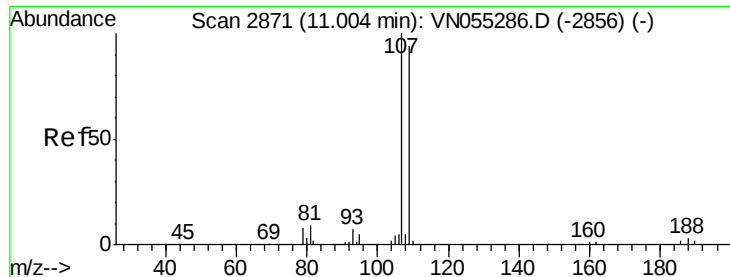
MMDadoda  
5/3/2019 1:08:33 PM



#60  
Dibromochloromethane  
Concen: 50.165 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Tgt Ion: 129 Resp: 207623  
Ion Ratio Lower Upper  
129 100  
127 76.4 38.1 114.5





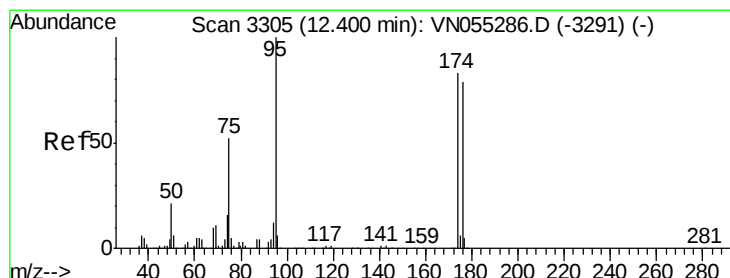
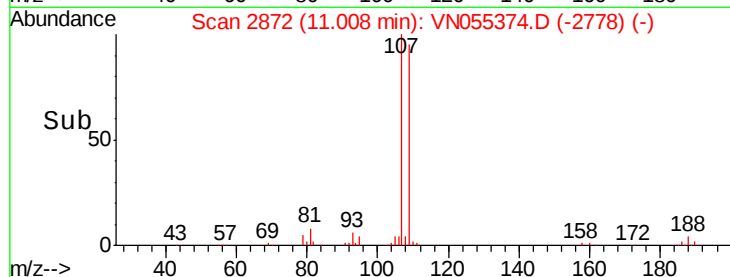
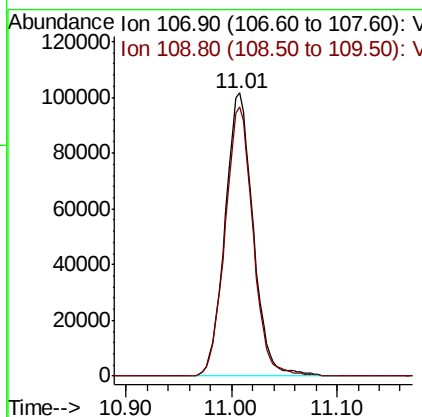
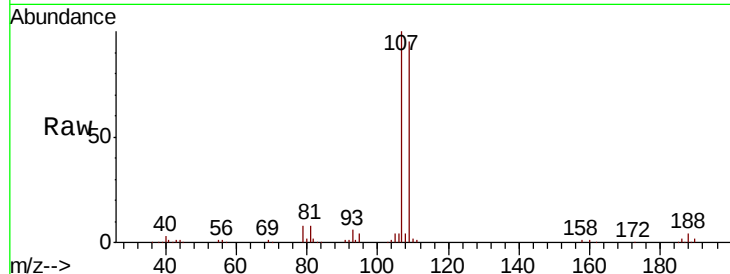
#61  
 1,2-Dibromoethane  
 Concen: 50.052 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 107 Resp: 187341  
 Ion Ratio Lower Upper  
 107 100  
 109 94.6 75.0 112.6

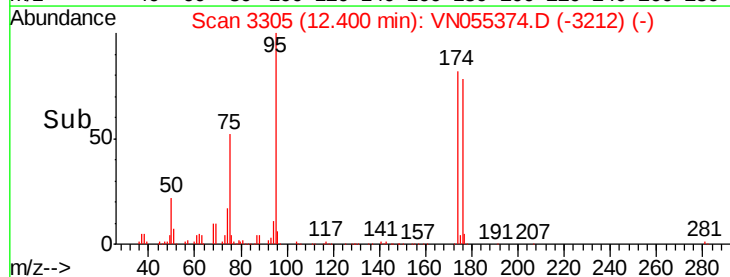
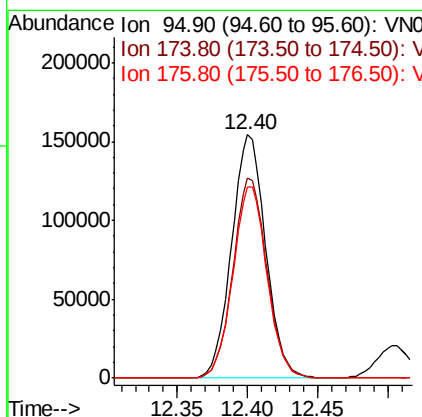
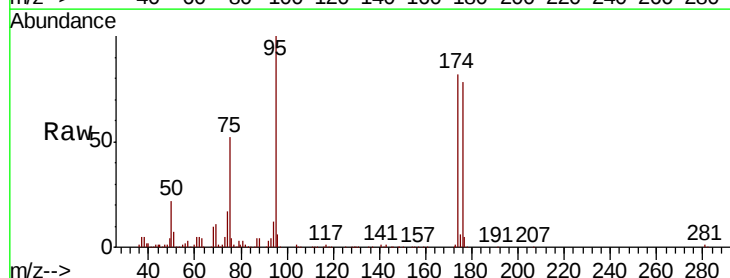
Manual Integrations  
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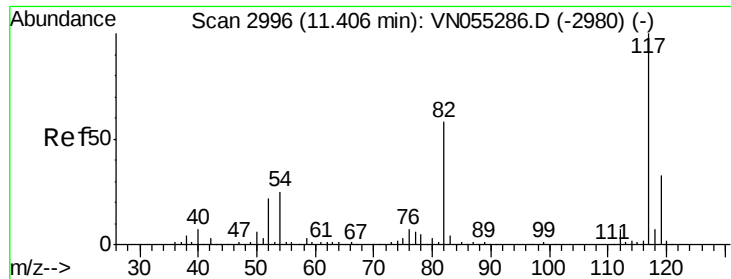
MMDadoda  
 5/3/2019 1:08:33 PM



#62  
 4-Bromofluorobenzene  
 Concen: 52.046 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Tgt Ion: 95 Resp: 259496  
 Ion Ratio Lower Upper  
 95 100  
 174 82.3 0.0 166.6  
 176 79.4 0.0 157.8





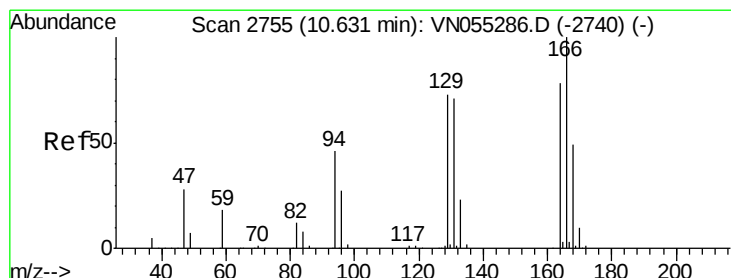
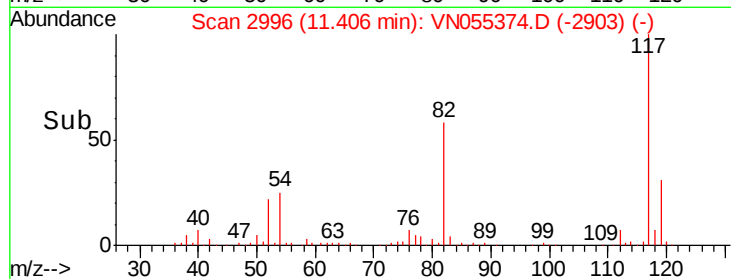
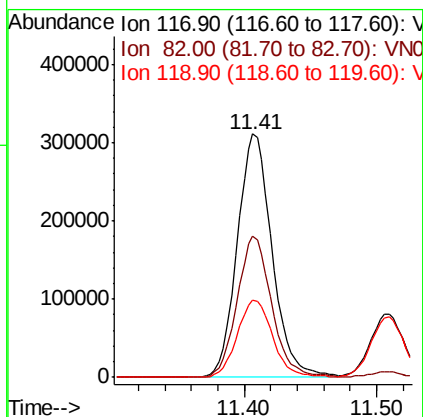
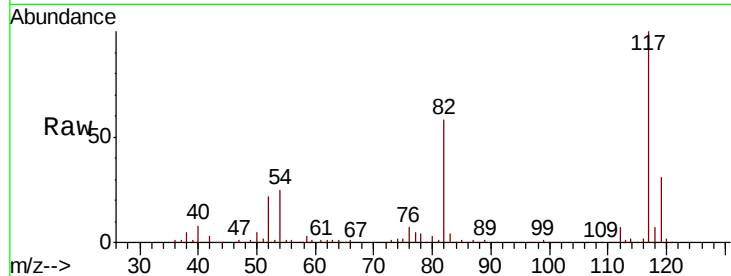
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 567351 |       |       |
| 82      | 58.1  | 46.2   | 69.4  |       |
| 119     | 31.5  | 26.6   | 40.0  |       |

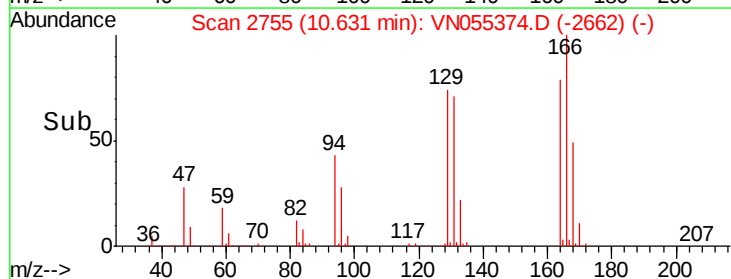
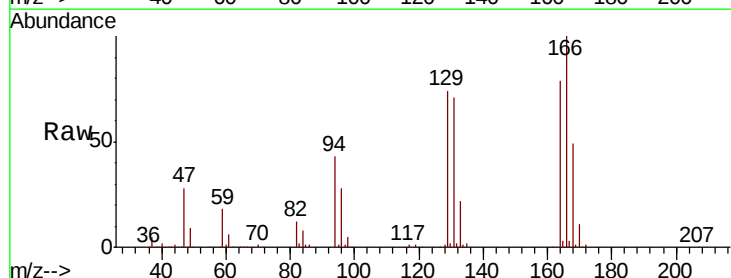
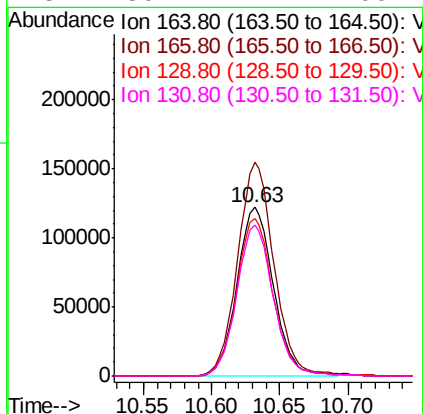
Manual Integrations  
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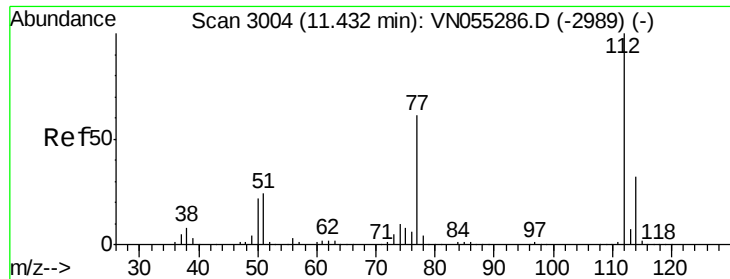
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 48.894 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 226852 |       |       |
| 166     | 126.5 | 102.3  | 153.5 |       |
| 129     | 93.5  | 75.0   | 112.6 |       |
| 131     | 89.2  | 72.7   | 109.1 |       |





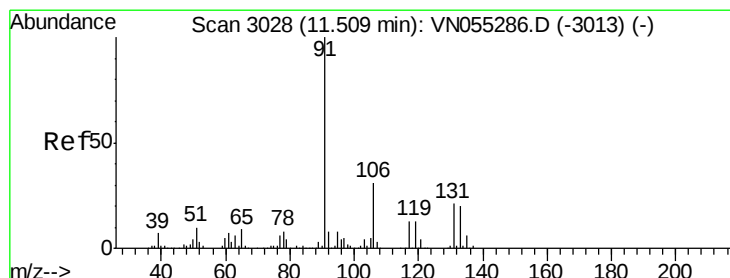
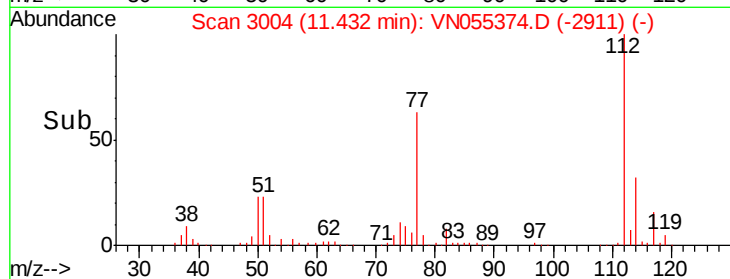
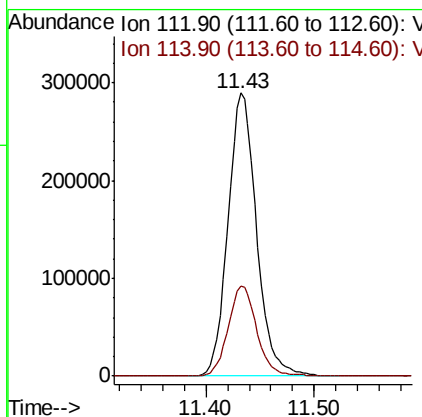
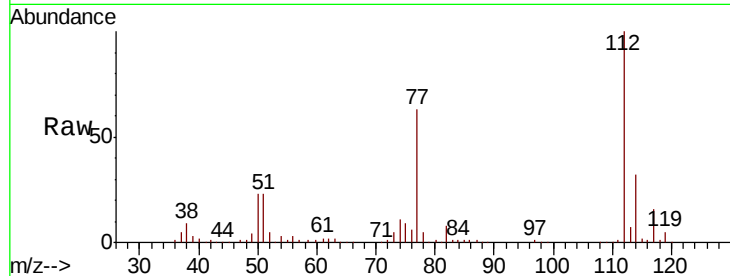
#65  
Chlorobenzene  
Concen: 48.158 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:112 Resp: 534188  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.3 37.9

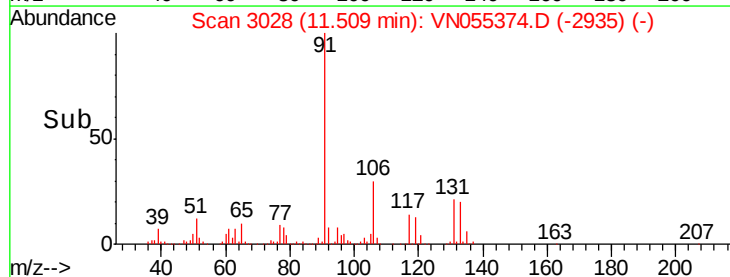
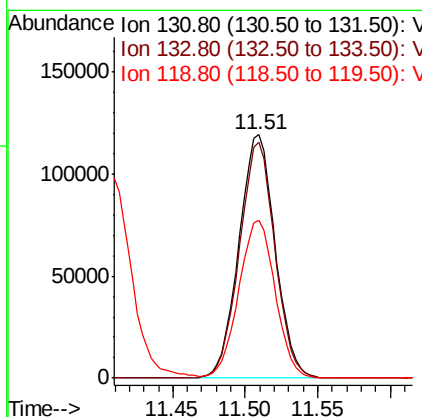
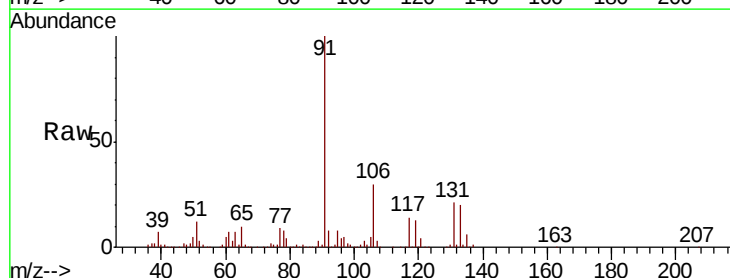
Manual Integrations  
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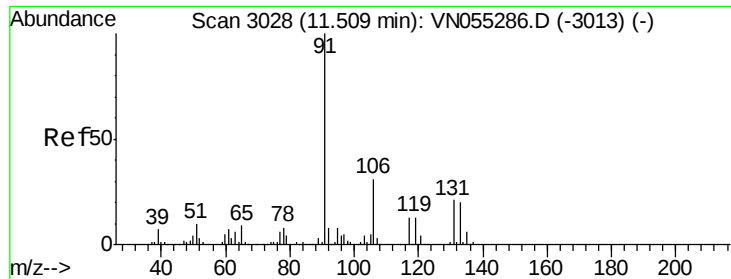
MMDadoda  
5/3/2019 1:08:33 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.856 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Tgt Ion:131 Resp: 207861  
Ion Ratio Lower Upper  
131 100  
133 94.9 47.5 142.6  
119 65.2 32.7 98.1





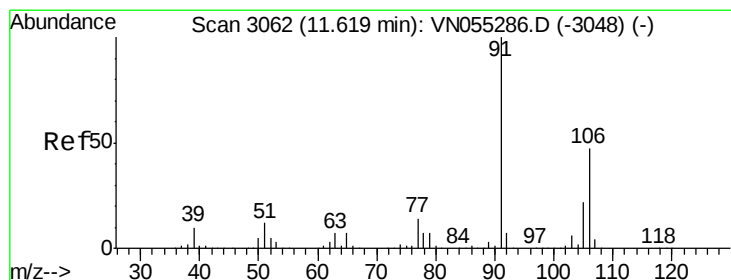
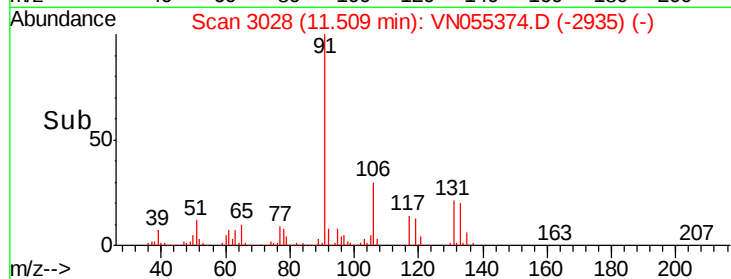
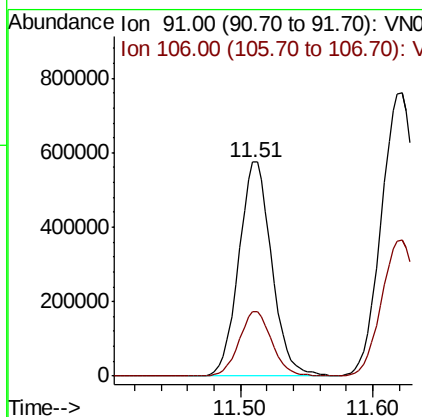
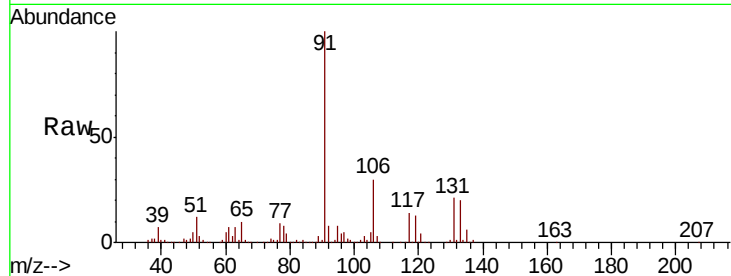
#67  
Ethyl Benzene  
Concen: 49.492 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tgt Ion: 91 Resp: 991353  
Ion Ratio Lower Upper  
91 100  
106 30.2 24.6 36.8

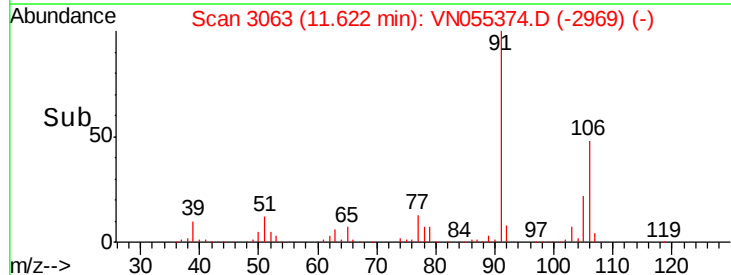
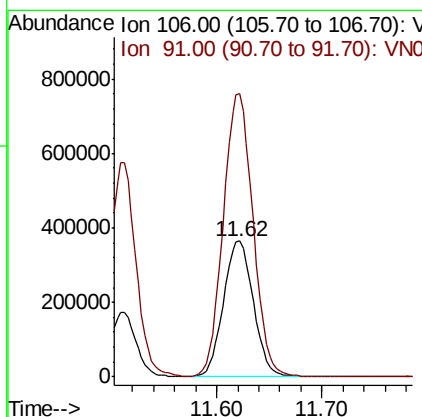
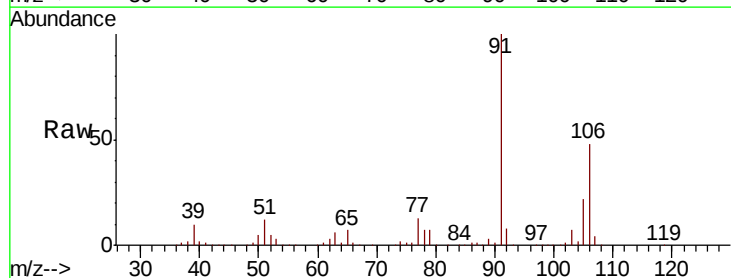
Manual Integrations  
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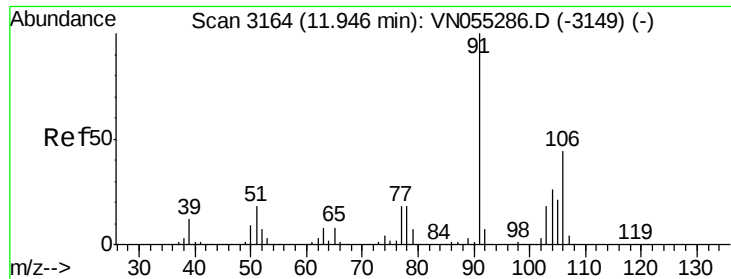
MMDadoda  
5/3/2019 1:08:33 PM



#68  
m/p-Xylenes  
Concen: 100.091 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Tgt Ion: 106 Resp: 715635  
Ion Ratio Lower Upper  
106 100  
91 207.2 169.5 254.3





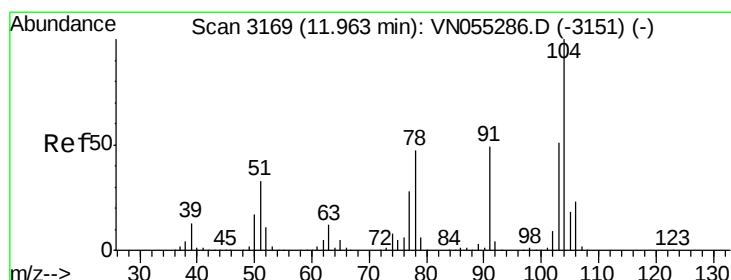
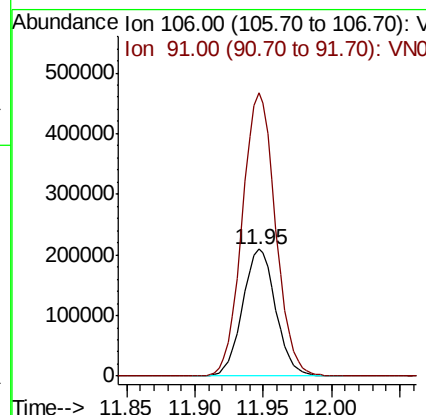
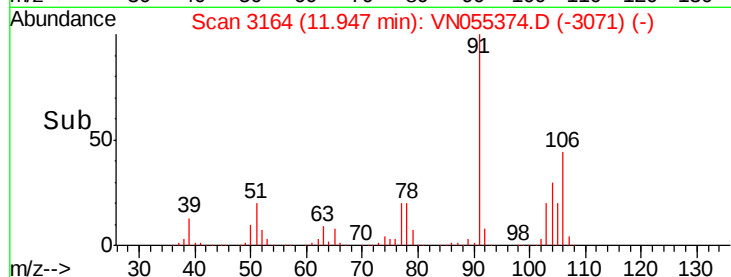
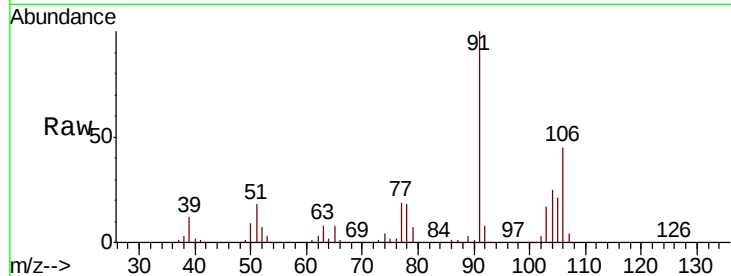
#69  
o-Xylene  
Concen: 49.893 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tgt Ion:106 Resp: 353578  
Ion Ratio Lower Upper  
106 100  
91 223.6 111.5 334.5

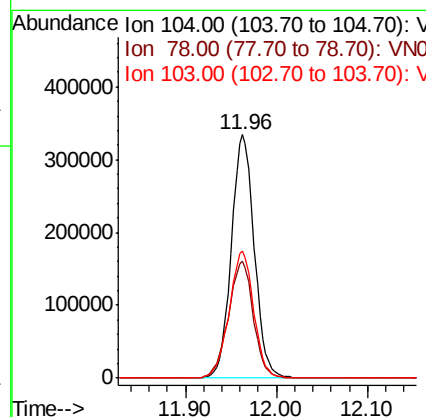
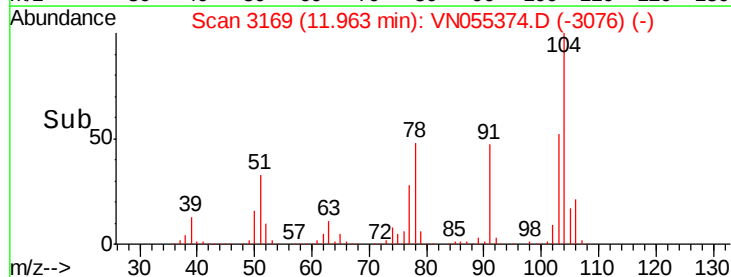
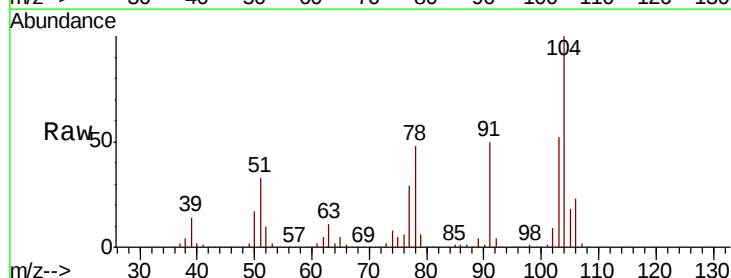
Manual Integrations  
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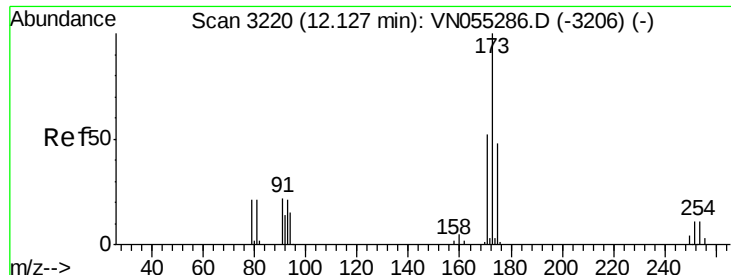
MMDadoda  
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#70  
Styrene  
Concen: 53.611 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Tgt Ion:104 Resp: 583342  
Ion Ratio Lower Upper  
104 100  
78 52.3 42.2 63.2  
103 56.0 44.6 67.0





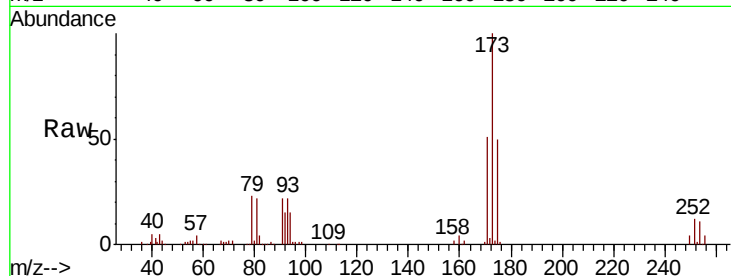
#71  
Bromoform  
Concen: 51.158 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 173     | 100   | 123298 |       |       |
| 175     | 48.9  | 23.6   | 71.0  |       |
| 254     | 0.1   | 0.0    | 0.0   |       |

Manual Integrations  
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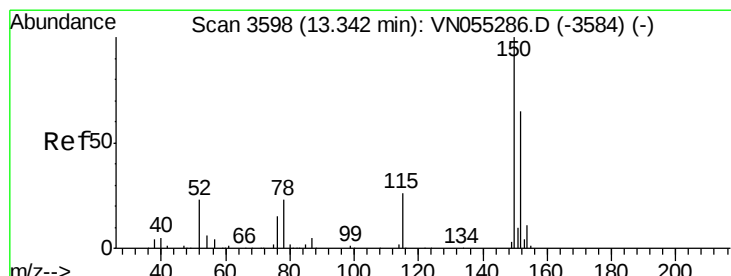
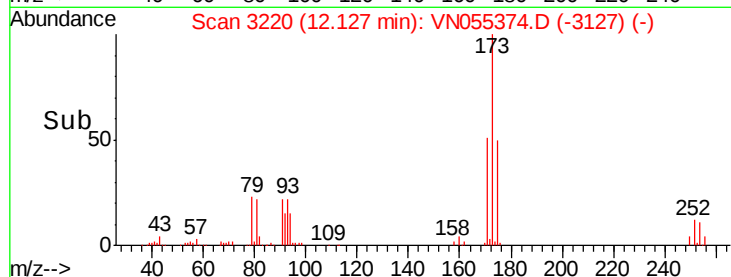
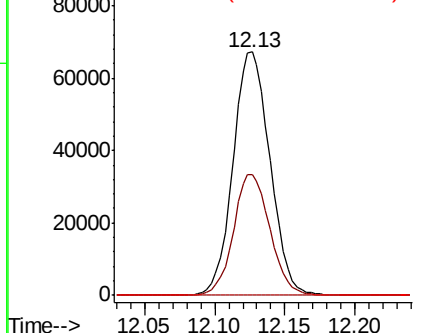


Abundance

Ion 172.70 (172.40 to 173.40): V

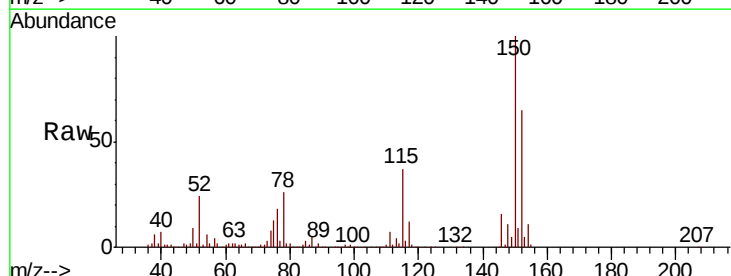
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 152     | 100   | 230615 |       |       |
| 115     | 57.8  | 29.0   | 87.0  |       |
| 150     | 170.2 | 0.0    | 345.6 |       |

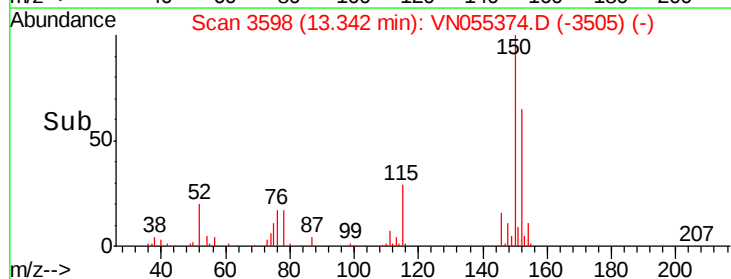
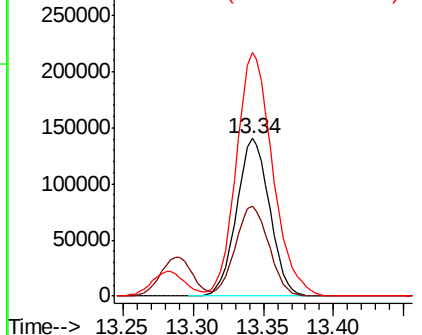


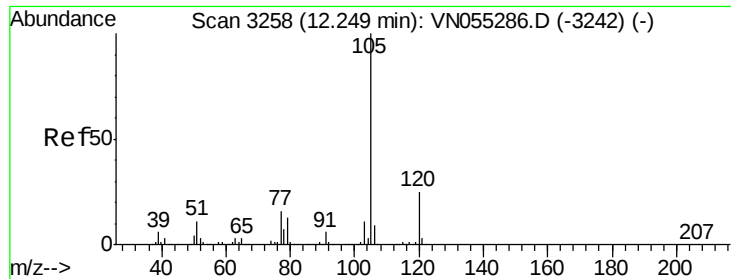
Abundance

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: 51.415 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 941813

Ion Ratio Lower Upper

105 100

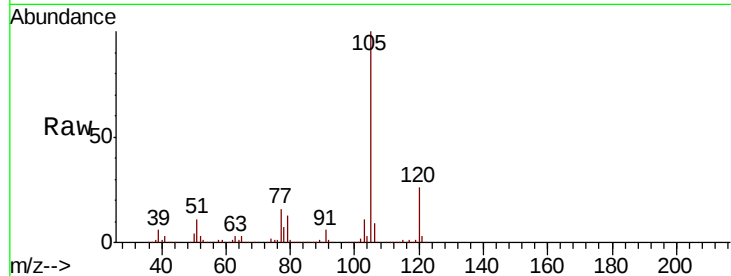
120 25.7 12.9 38.7

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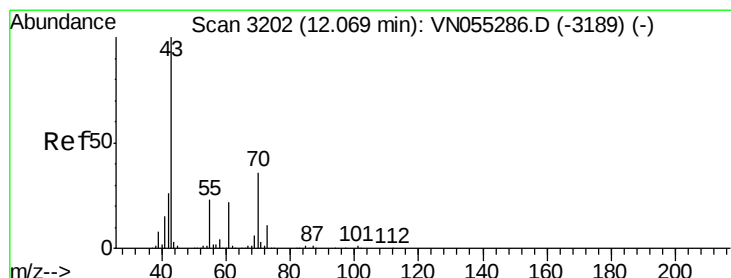
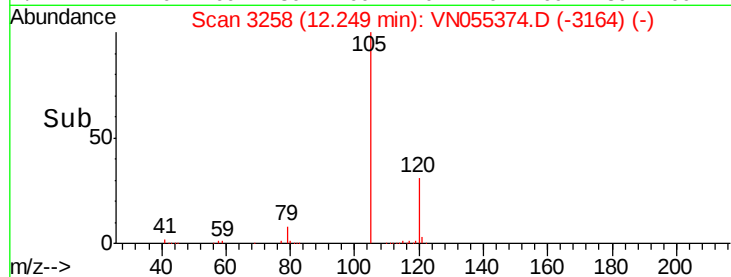
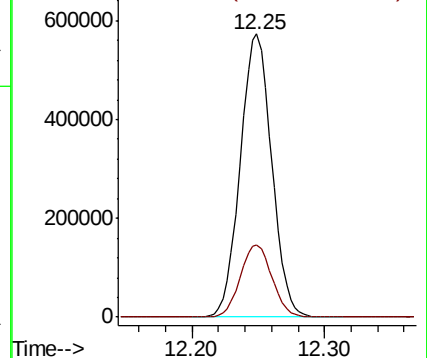
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.466 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Tgt Ion: 43 Resp: 298680

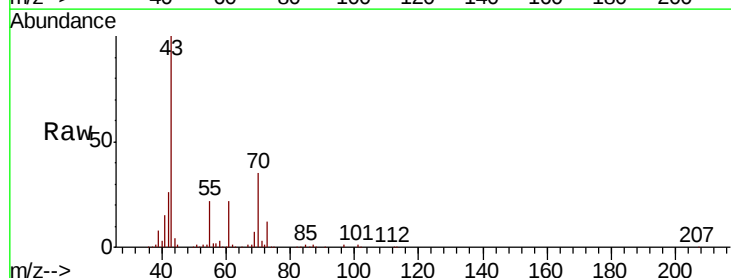
Ion Ratio Lower Upper

43 100

70 33.9 27.9 41.9

55 21.0 18.2 27.2

61 20.3 16.9 25.3

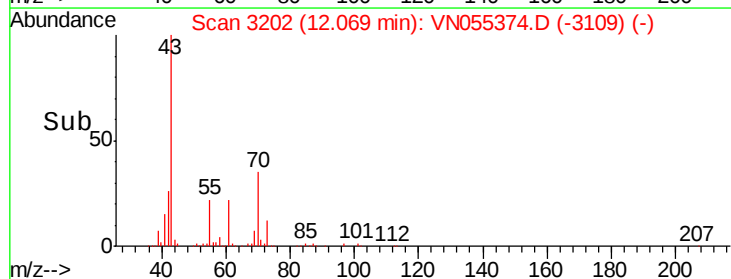
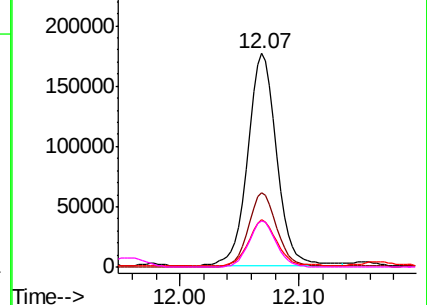


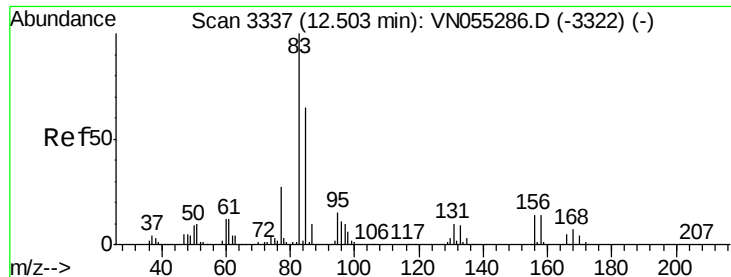
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.358 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 229997  
Ion Ratio Lower Upper

83 100

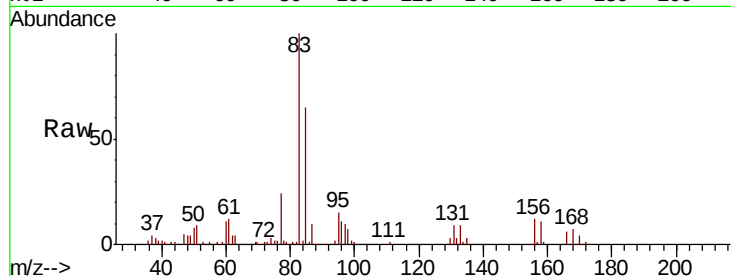
131 9.7 5.1 15.2

85 64.0 32.3 96.8

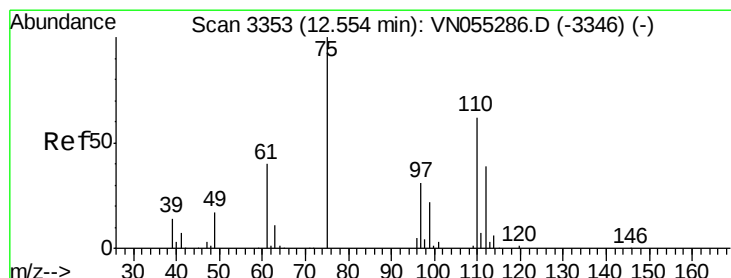
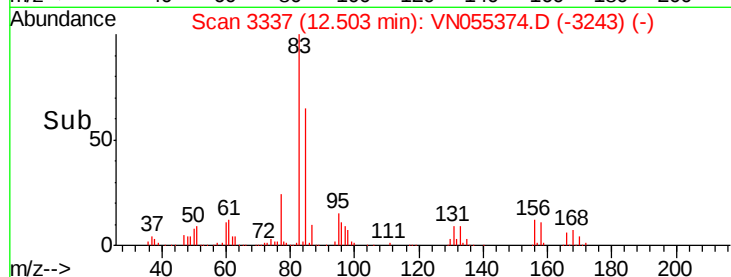
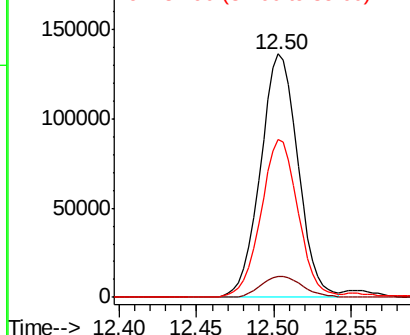
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Abundance Ion 82.90 (82.60 to 83.60): VNO  
Ion 130.80 (130.50 to 131.50): VNO  
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 50.528 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

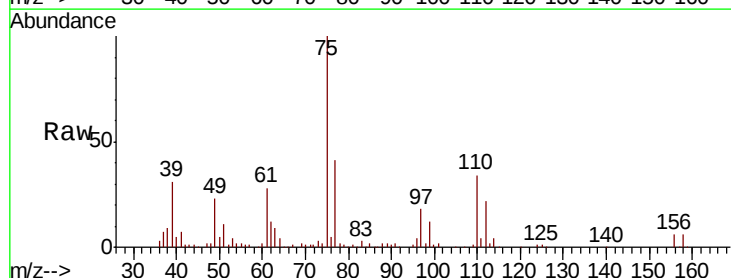
Lab File: VN055374.D

Acq: 3 May 2019 3:12

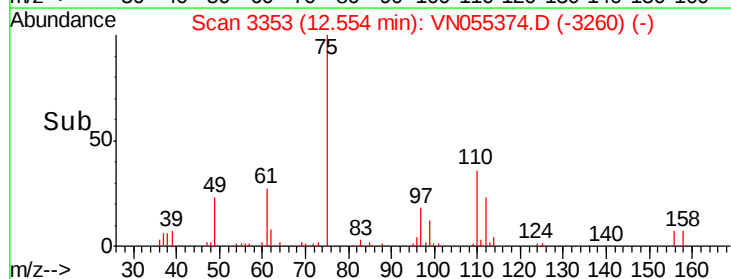
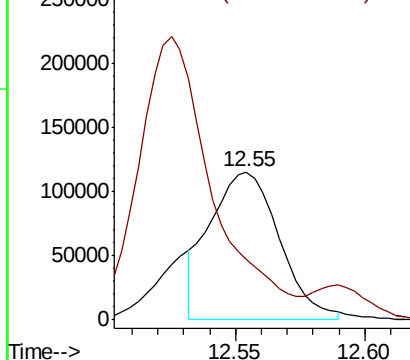
Tgt Ion: 75 Resp: 216478  
Ion Ratio Lower Upper

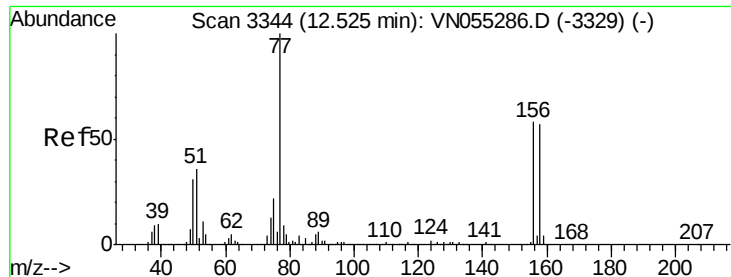
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO  
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 50.316 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

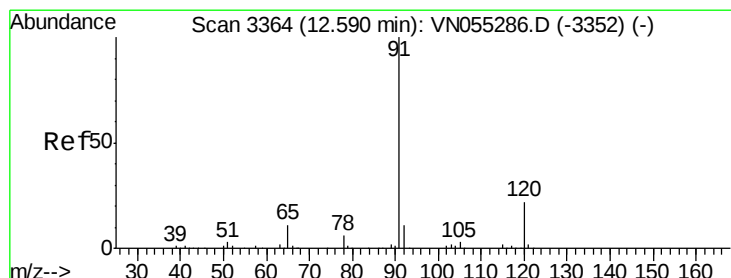
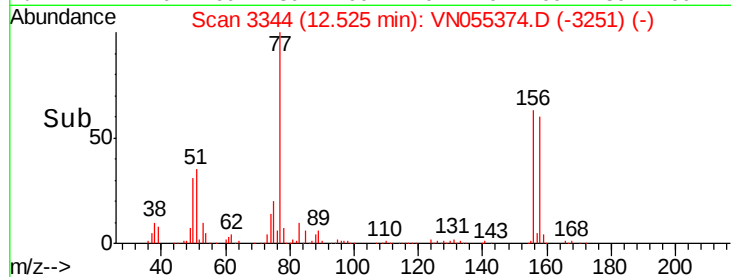
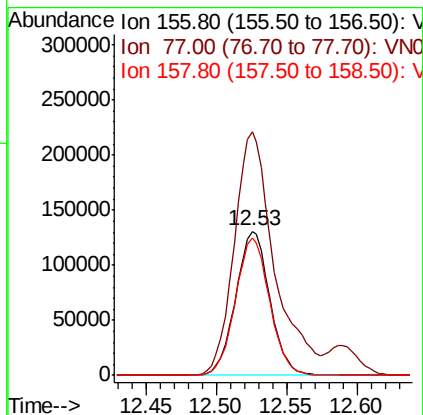
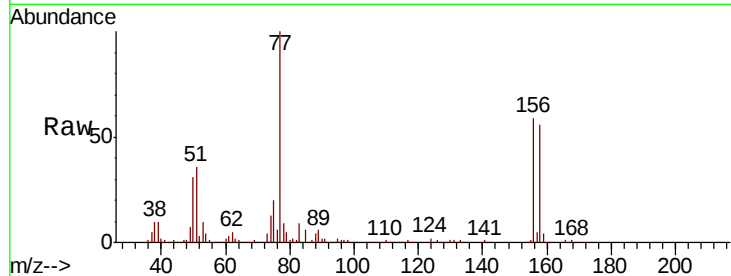
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 221293 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 199.3 | 99.6  | 298.8  |
| 158       | 95.8  | 49.3  | 147.8  |

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#78

n-propylbenzene

Concen: 43.633 ug/l

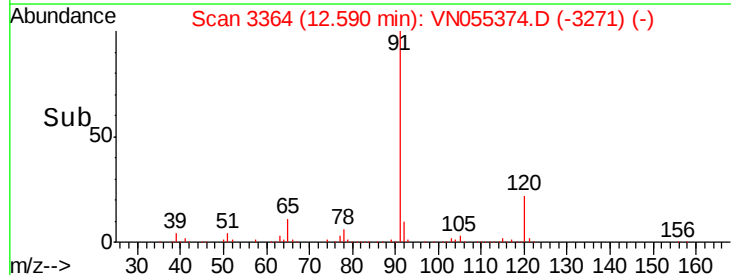
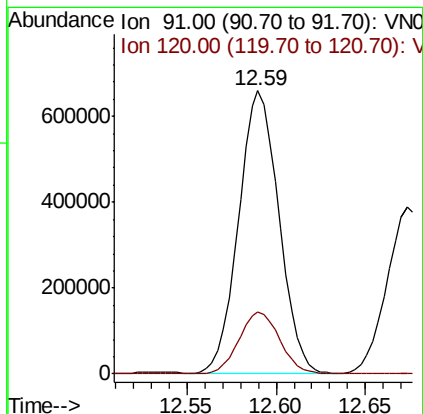
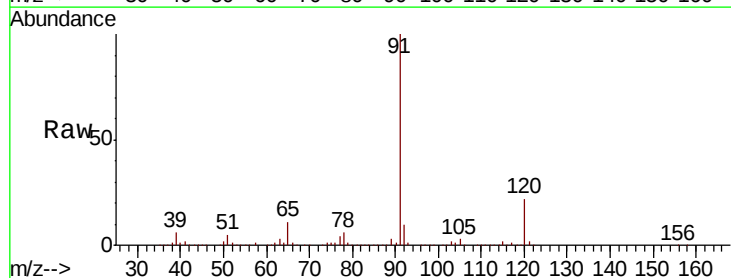
RT: 12.59 min Scan# 3364

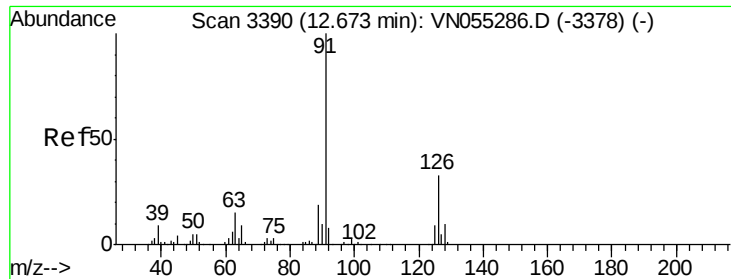
Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 1033616 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 22.3  | 11.0  | 33.0    |





#79

2-Chlorotoluene

Concen: 51.272 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 639969

Ion Ratio Lower Upper

91 100

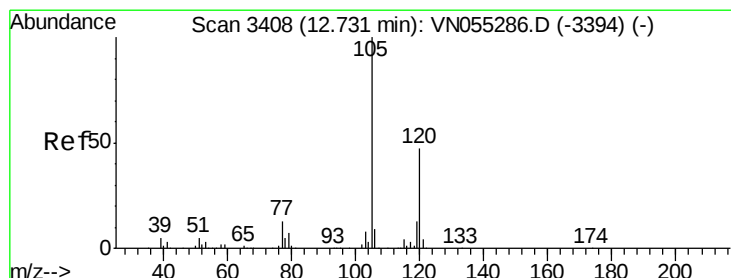
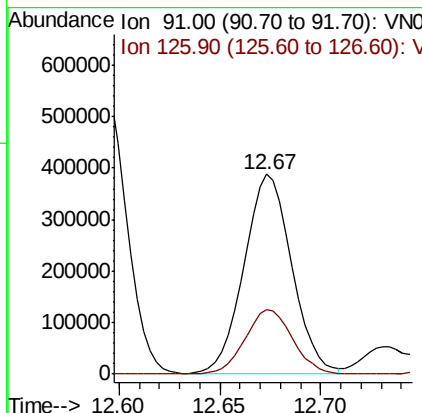
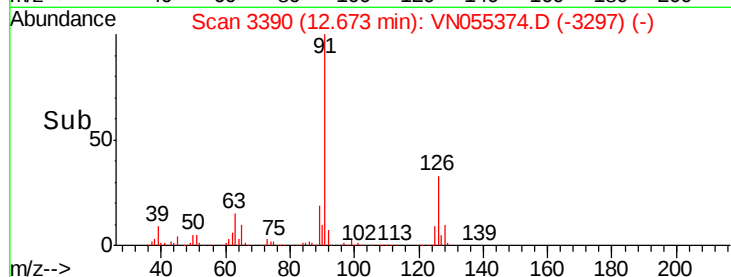
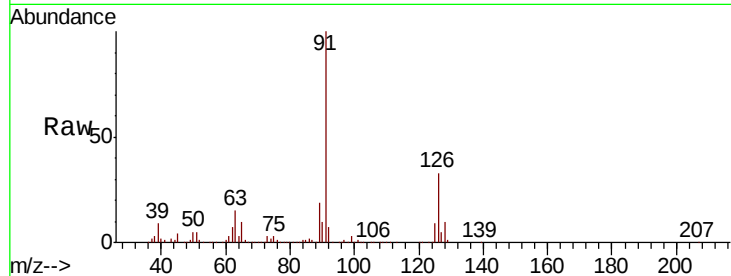
126 32.5 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 43.287 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055374.D

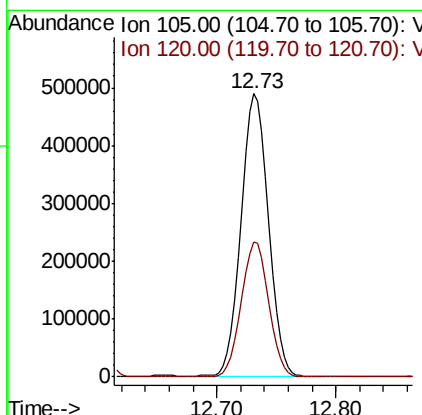
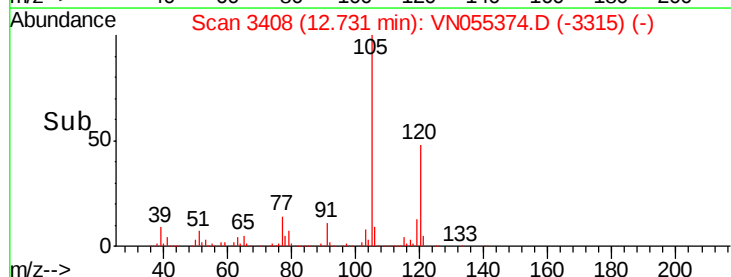
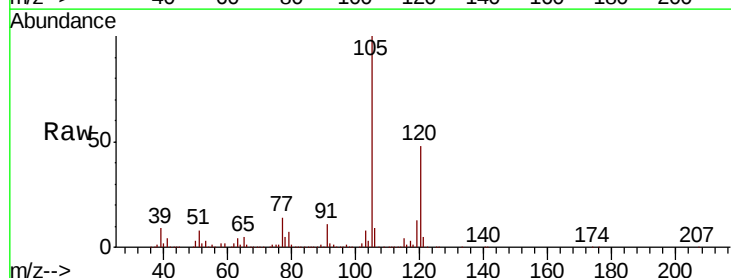
Acq: 3 May 2019 3:12

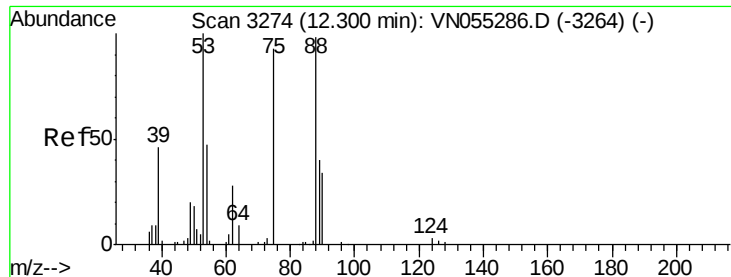
Tgt Ion: 105 Resp: 782611

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 40.817 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

Instrument :

MSVOA\_N

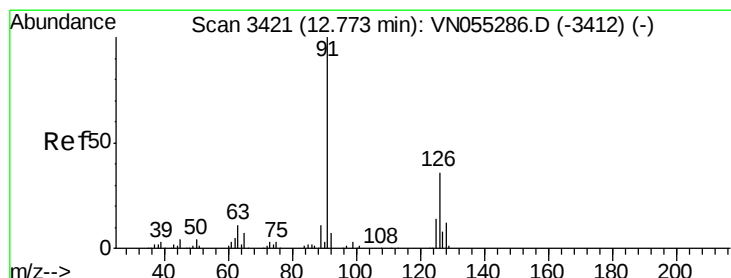
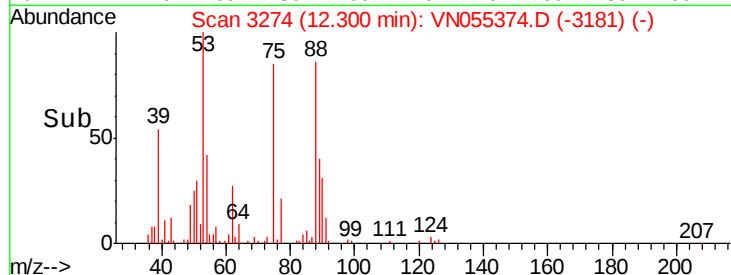
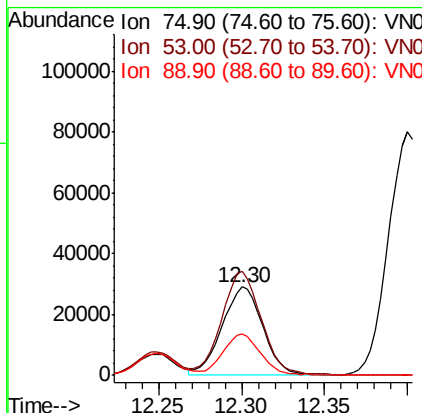
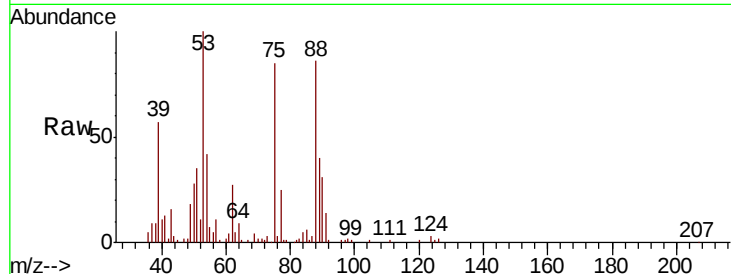
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 49671 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 116.2 | 86.3  | 129.5 |
| 89       | 43.4  | 34.6  | 51.8  |

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#82

4-Chlorotoluene

Concen: 44.452 ug/l

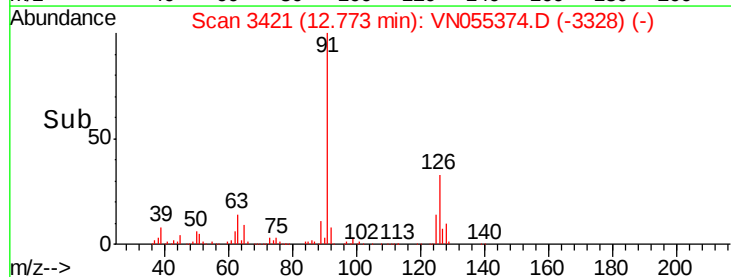
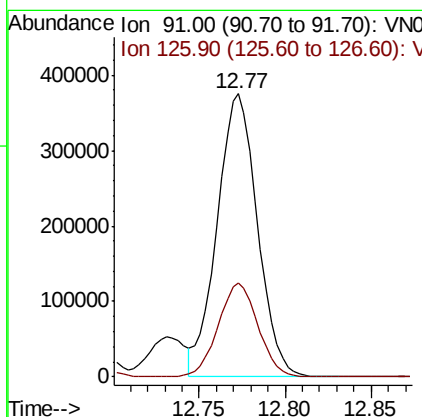
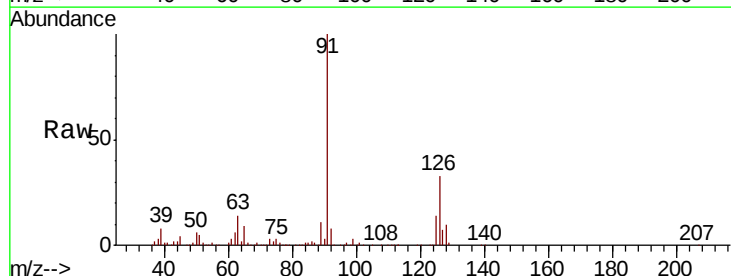
RT: 12.77 min Scan# 3421

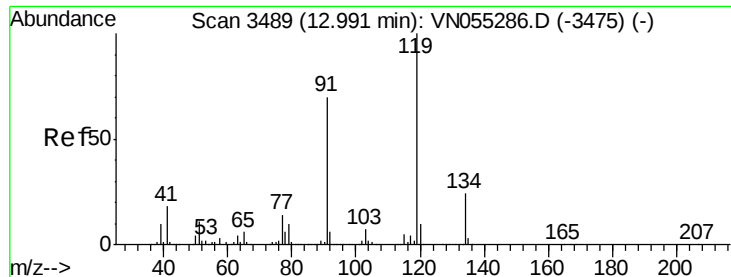
Delta R.T. 0.00 min

Lab File: VN055374.D

Acq: 3 May 2019 3:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 612264 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 32.8  | 16.6  | 49.7   |





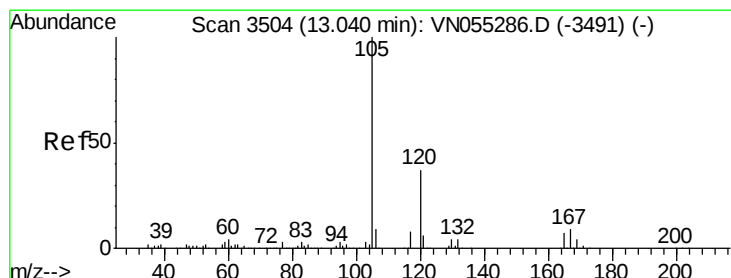
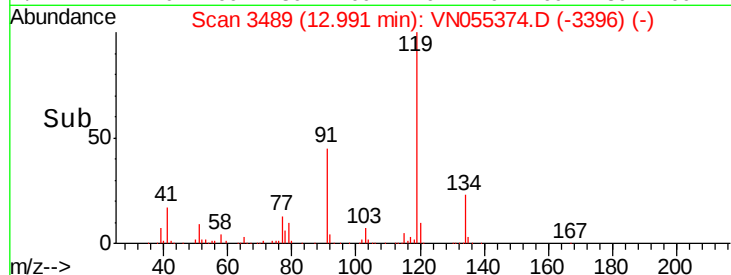
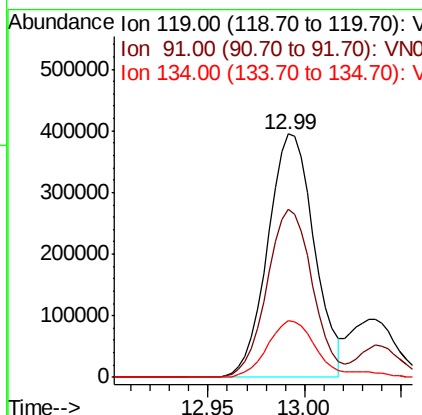
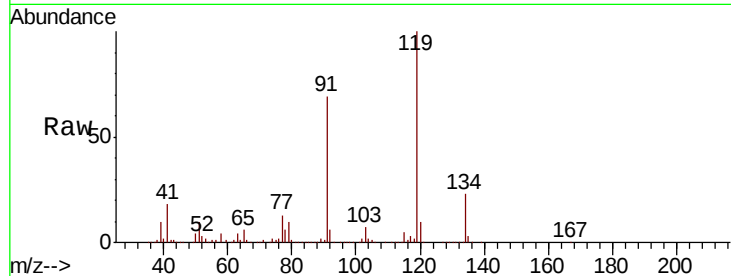
#83  
 tert-Butylbenzene  
 Concen: 51.617 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 68.0  | 34.3  | 102.9 |
| 134     | 25.3  | 13.1  | 39.3  |

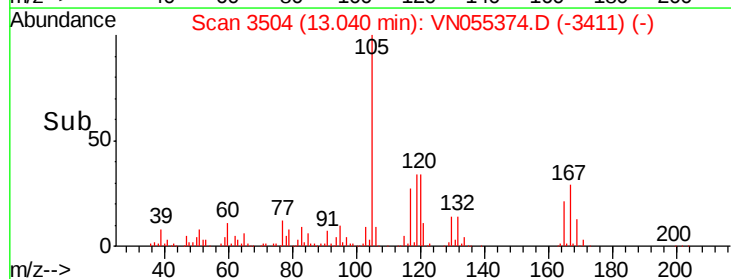
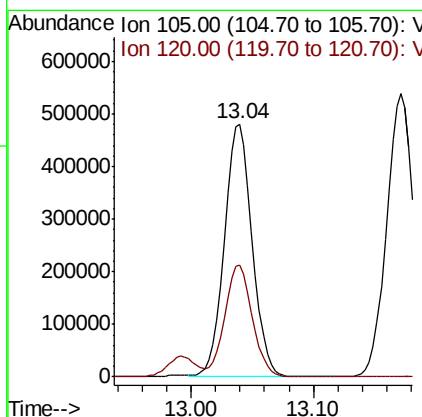
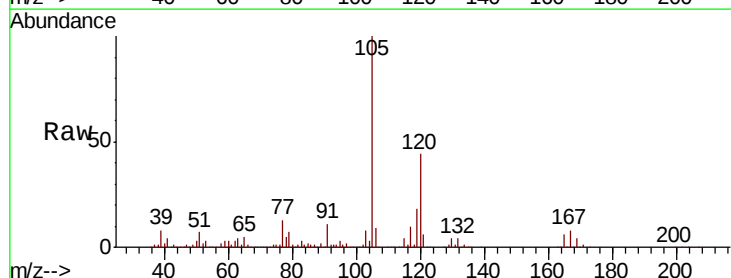
Manual Integrations  
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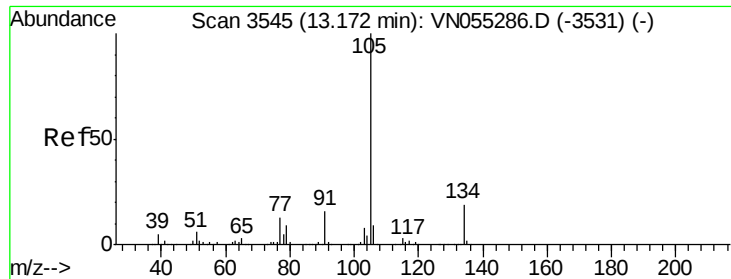
MMDadoda  
 5/3/2019 1:08:33 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 47.304 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.0  | 22.1  | 66.5  |





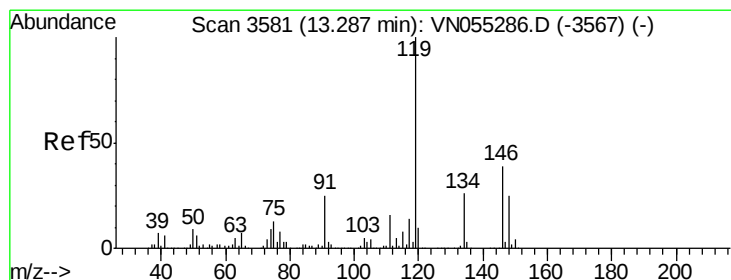
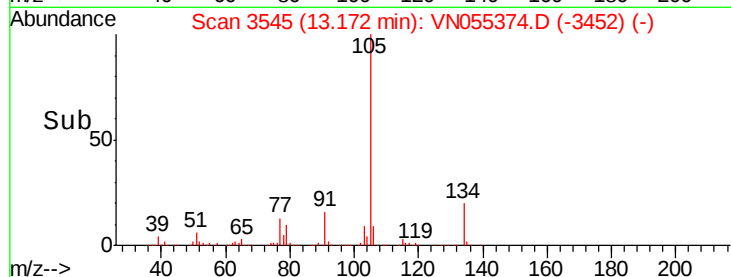
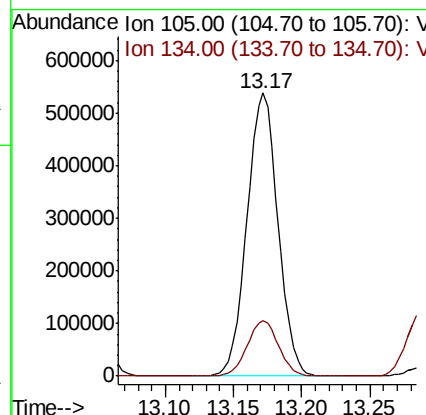
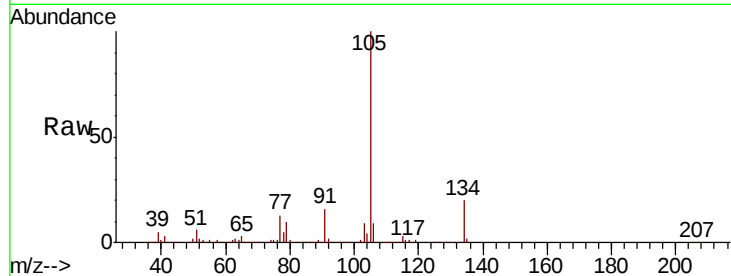
#85  
 sec-Butylbenzene  
 Concen: 42.995 ug/l  
 RT: 13.17 min Scan# 3545  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 134     | 19.9  | 9.6   | 28.8  |

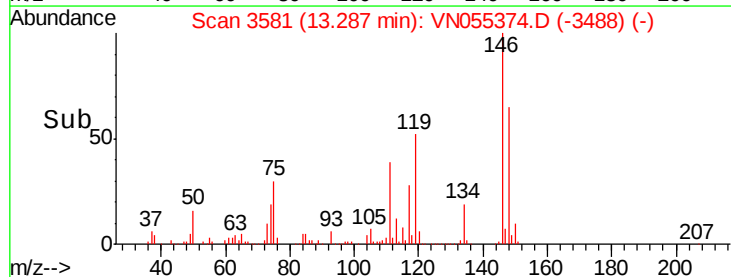
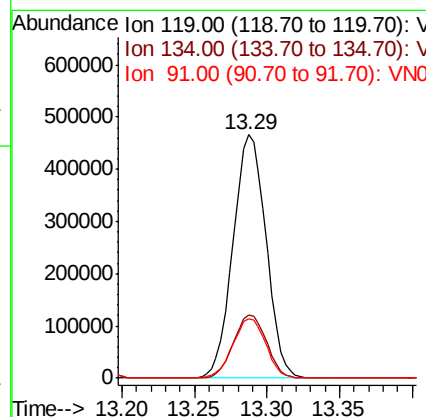
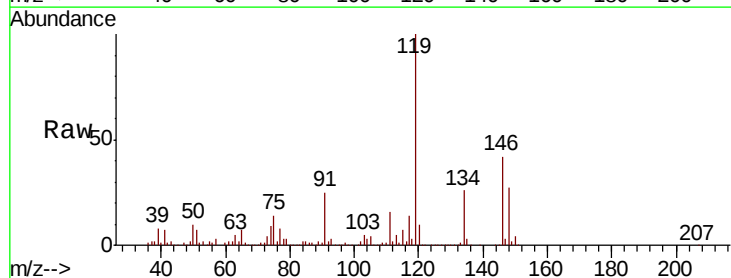
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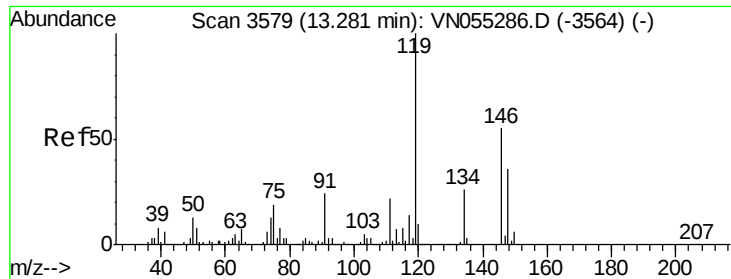
MMDadoda  
 5/3/2019 1:08:33 PM



#86  
 p-Isopropyltoluene  
 Concen: 45.388 ug/l  
 RT: 13.29 min Scan# 3581  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 26.2  | 13.0  | 38.9  |
| 91      | 24.3  | 12.2  | 36.6  |





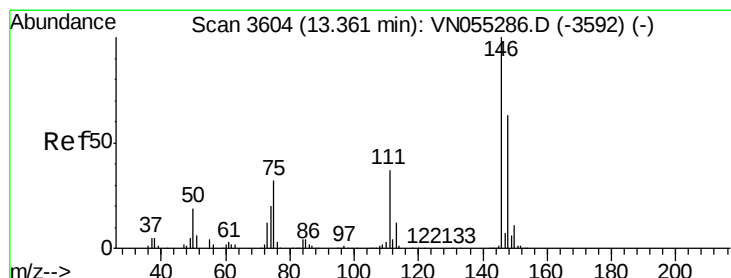
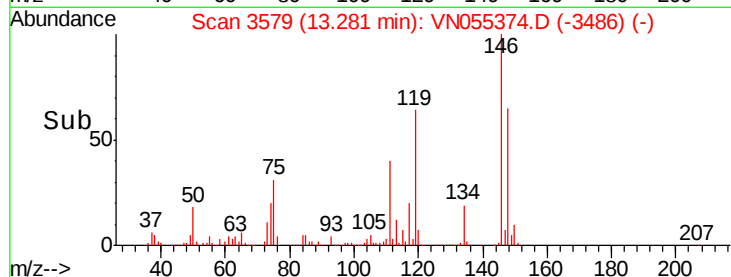
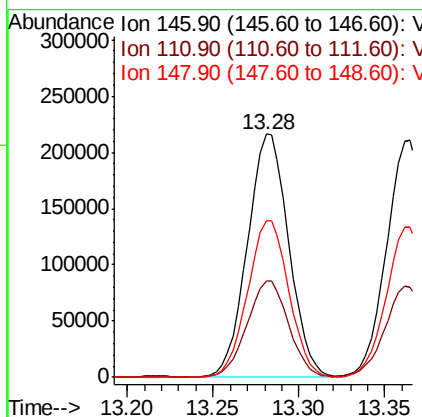
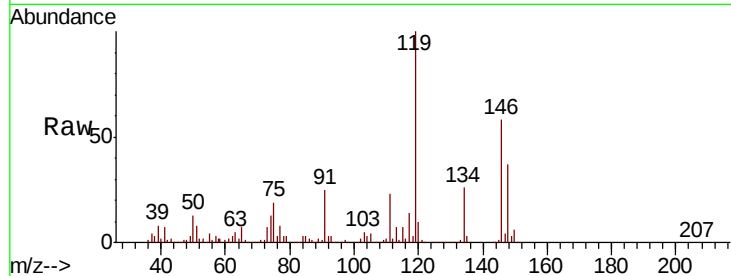
#87  
 1,3-Dichlorobenzene  
 Concen: 46.528 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 359056 |       |       |
| 111     | 39.4  | 20.3   | 60.8  |       |
| 148     | 64.5  | 32.5   | 97.5  |       |

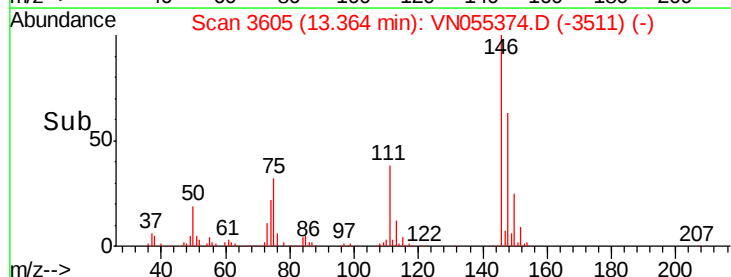
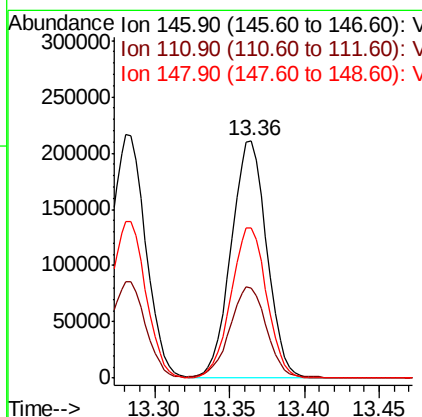
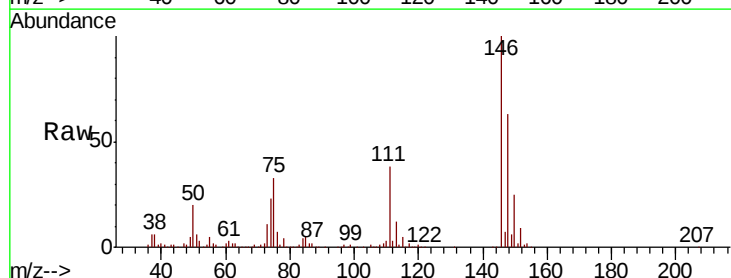
Manual Integrations  
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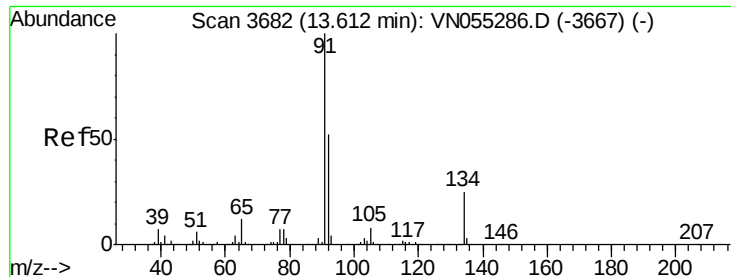
MMDadoda  
 5/3/2019 1:08:33 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 48.040 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 349121 |       |       |
| 111     | 39.7  | 19.5   | 58.5  |       |
| 148     | 63.7  | 32.5   | 97.4  |       |





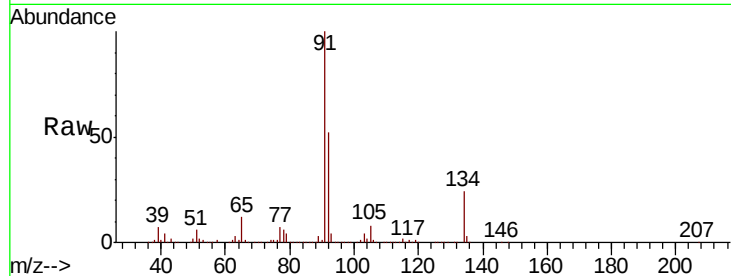
#89  
n-Butylbenzene  
Concen: 49.314 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

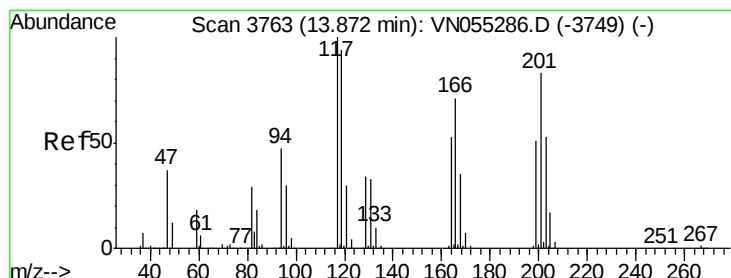
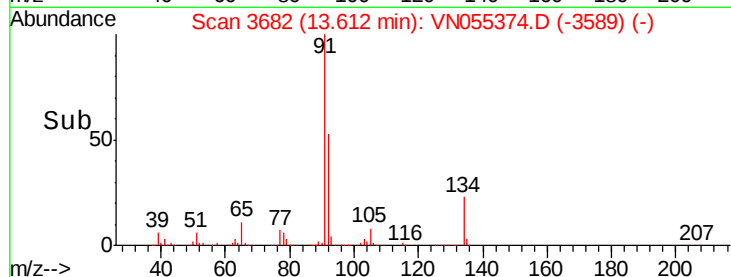
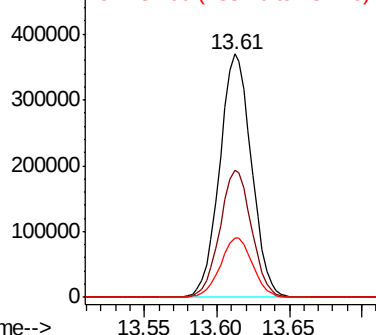
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 51.9  | 26.1  | 78.3  |
| 134     | 24.8  | 12.4  | 37.4  |

Manual Integrations  
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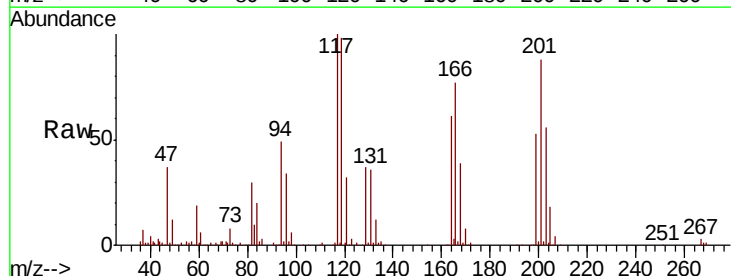


Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3667) (-)  
Ion 92.00 (91.70 to 92.70): VN055286.D (-3667) (-)  
Ion 134.00 (133.70 to 134.70): VN055286.D (-3667) (-)

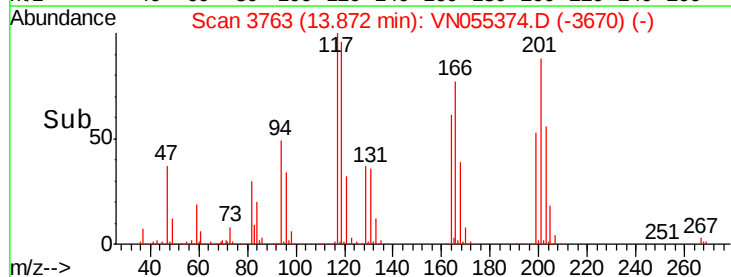
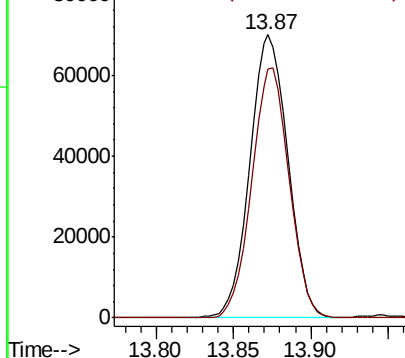


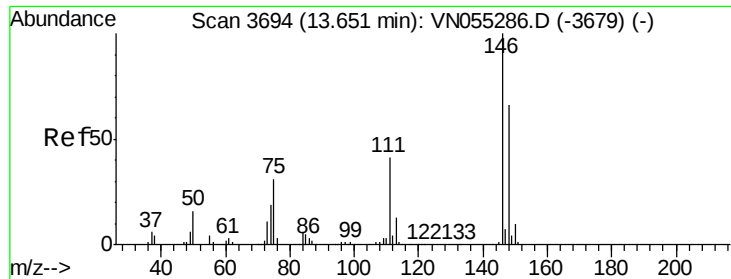
#90  
Hexachloroethane  
Concen: 46.834 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 86.9  | 41.9  | 125.8 |



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-3749) (-)  
Ion 200.70 (200.40 to 201.40): VN055286.D (-3749) (-)





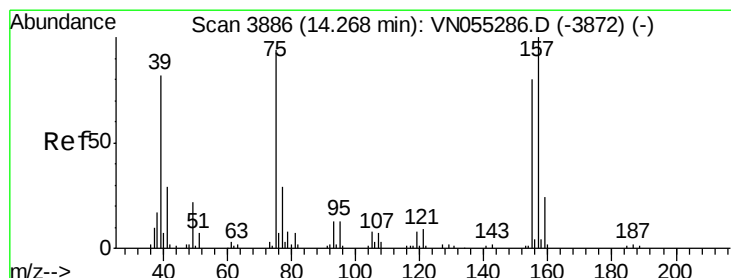
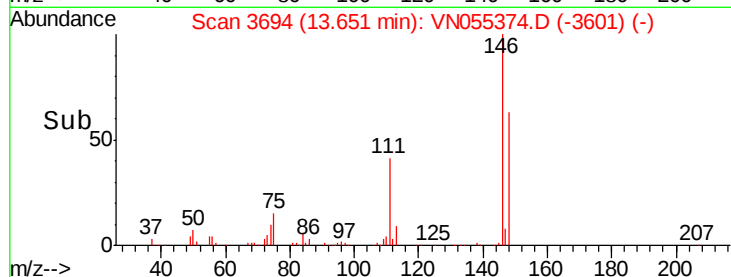
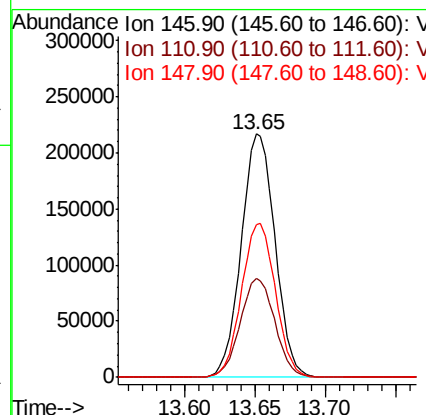
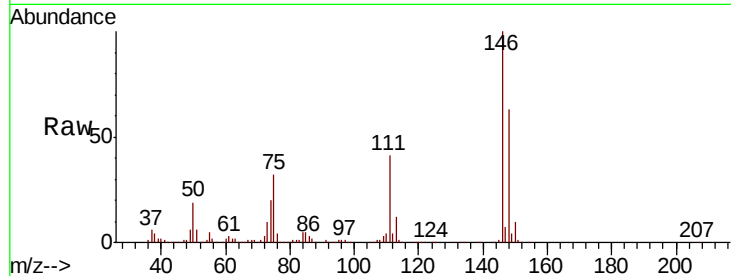
#91  
 1,2-Dichlorobenzene  
 Concen: 47.655 ug/l  
 RT: 13.65 min Scan# 3694  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.0  | 20.3  | 61.0  |
| 148     | 63.3  | 32.4  | 97.2  |

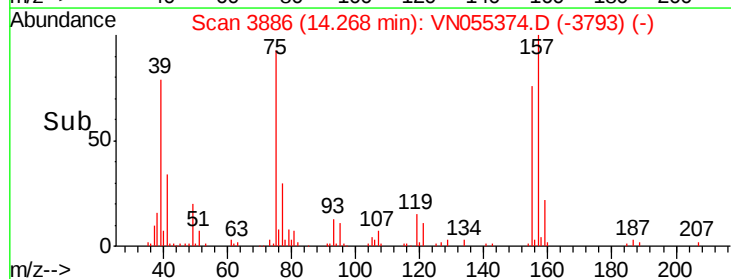
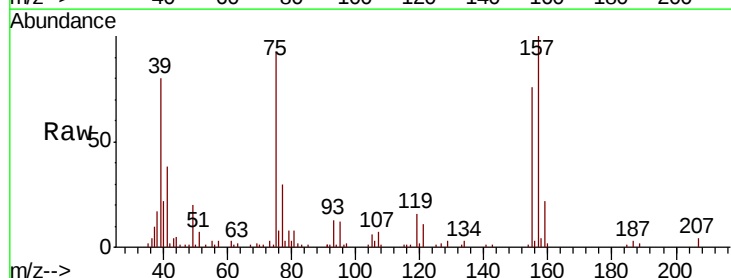
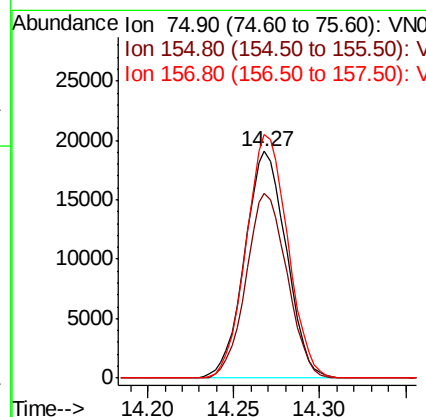
Manual Integrations  
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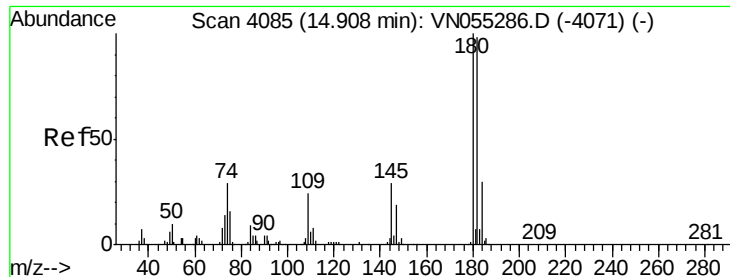
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 52.895 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 79.9  | 41.5  | 124.6 |
| 157     | 107.1 | 54.0  | 162.2 |





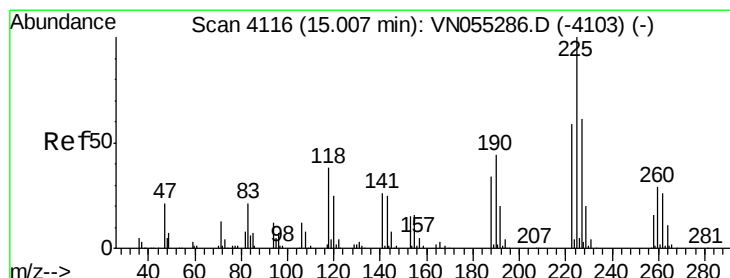
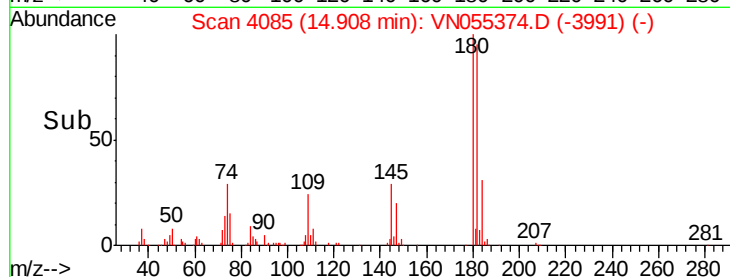
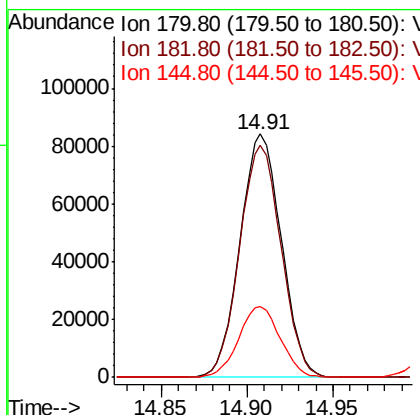
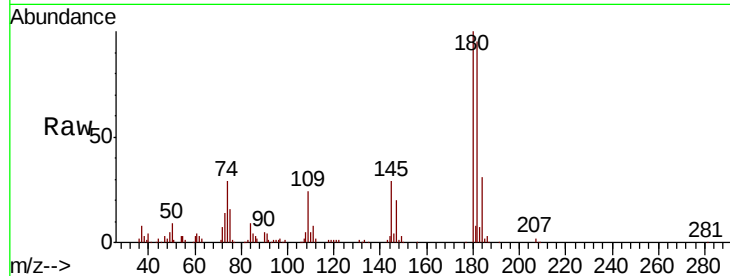
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.971 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 140984 |       |       |
| 182     | 95.4  | 48.3   | 144.9 |       |
| 145     | 29.4  | 14.2   | 42.6  |       |

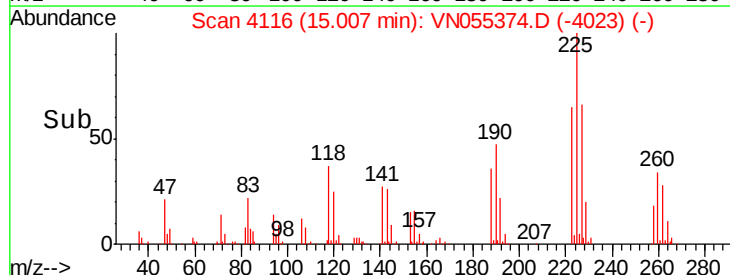
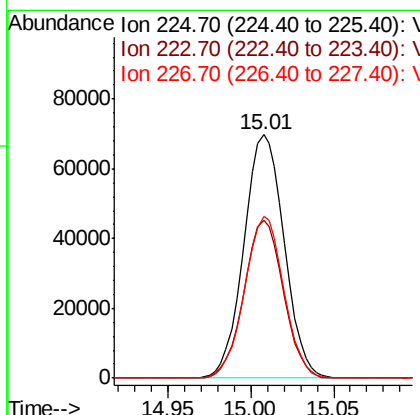
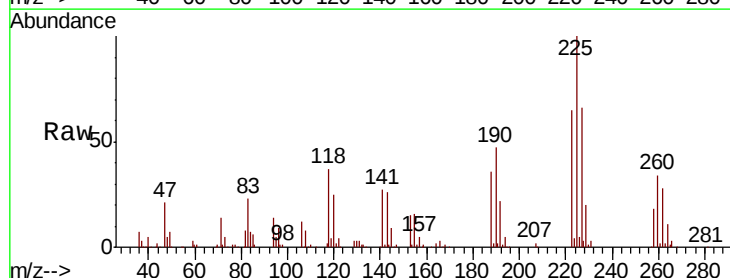
Manual Integrations  
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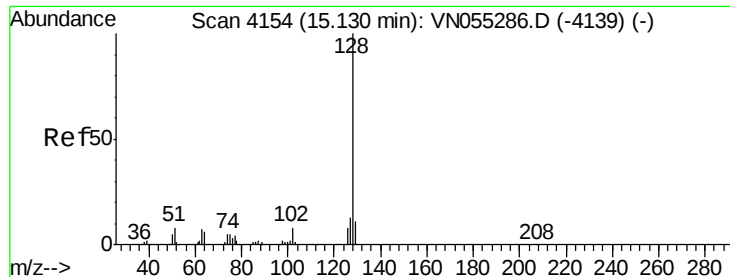
MMDadoda  
 5/3/2019 1:08:33 PM



#94  
 Hexachlorobutadiene  
 Concen: 51.410 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055374.D  
 Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 118139 |       |       |
| 223     | 63.2  | 30.3   | 90.8  |       |
| 227     | 64.5  | 30.9   | 92.7  |       |





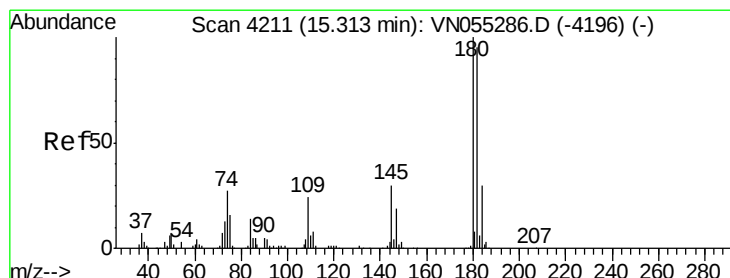
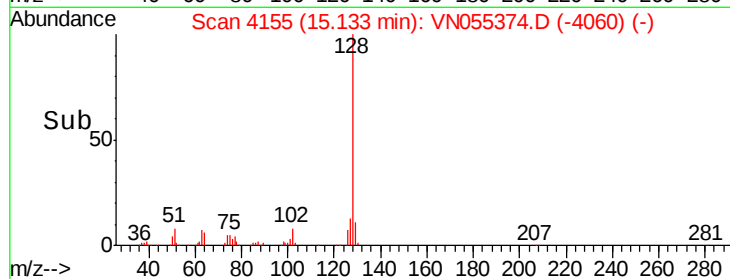
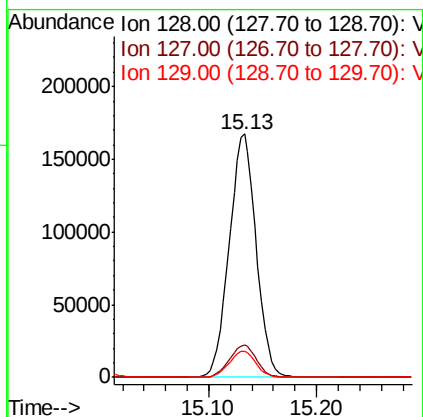
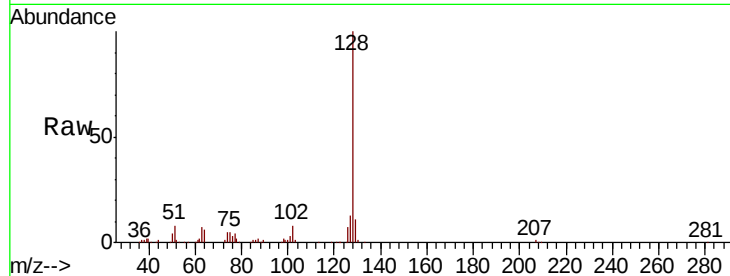
#95  
Naphthalene  
Concen: 45.703 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.3  | 10.7  | 16.1  |
| 129     | 10.7  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 48.736 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN055374.D  
Acq: 3 May 2019 3:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.3  | 48.3  | 144.9 |
| 145     | 31.4  | 15.2  | 45.6  |

