

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\  
 Data File : VN053492.D  
 Acq On : 19 Jan 2019 00:12  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/21/2019 10:48:44 AM

Quant Time: Jan 19 02:11:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 732466   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1120679  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1020476  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 514016   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response   | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|------------|---------|-------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 377756     | 52.18   | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 104.36% |       |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 334399     | 52.28   | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 104.56% |       |          |
| 50) Toluene-d8              | 10.09 | 98   | 1342616    | 49.64   | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 99.28%  |       |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 471494     | 49.71   | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery = | 99.42%  |       |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 278835   | 47.348  | ug/l  | 99     |
| 3) Chloromethane              | 2.06 | 50   | 394145   | 46.811  | ug/l  | 100    |
| 4) Vinyl Chloride             | 2.19 | 62   | 383179   | 47.211  | ug/l  | 100    |
| 5) Bromomethane               | 2.56 | 94   | 266553   | 47.864  | ug/l  | 97     |
| 6) Chloroethane               | 2.71 | 64   | 232002   | 47.279  | ug/l  | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101  | 526201   | 49.566  | ug/l  | 100    |
| 8) Diethyl Ether              | 3.41 | 74   | 213973   | 53.664  | ug/l  | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101  | 329636   | 49.028  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.96 | 142  | 504848   | 49.137  | ug/l  | 100    |
| 11) Tert butyl alcohol        | 4.77 | 59   | 129912   | 366.720 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96   | 325068   | 49.847  | ug/l  | 98     |
| 13) Acrolein                  | 3.61 | 56   | 145100   | 213.552 | ug/l  | 100    |
| 14) Allyl chloride            | 4.33 | 41   | 533525   | 50.368  | ug/l  | 100    |
| 15) Acrylonitrile             | 4.99 | 53   | 690163   | 296.032 | ug/l  | 100    |
| 16) Acetone                   | 3.82 | 43   | 448025   | 263.766 | ug/l  | 99     |
| 17) Carbon Disulfide          | 4.06 | 76   | 916330   | 46.465  | ug/l  | 100    |
| 18) Methyl Acetate            | 4.33 | 43   | 338366   | 59.126  | ug/l  | 99     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 964418   | 55.659  | ug/l  | 99     |
| 20) Methylene Chloride        | 4.55 | 84   | 387131   | 49.921  | ug/l  | 99     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96   | 351292   | 50.387  | ug/l  | 99     |
| 22) Diisopropyl ether         | 5.95 | 45   | 1153330  | 52.156  | ug/l  | 97     |
| 23) Vinyl Acetate             | 5.90 | 43   | 3872772  | 284.905 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 667796   | 51.084  | ug/l  | 99     |
| 25) 2-Butanone                | 6.83 | 43   | 759393   | 290.120 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 6.83 | 77   | 414198   | 41.965  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 410876   | 51.536  | ug/l  | 97     |
| 28) Bromochloromethane        | 7.20 | 49   | 306102   | 53.152  | ug/l  | 100    |
| 29) Tetrahydrofuran           | 7.21 | 42   | 518470   | 304.265 | ug/l  | 99     |
| 30) Chloroform                | 7.37 | 83   | 655873   | 51.495  | ug/l  | 100    |
| 31) Cyclohexane               | 7.65 | 56   | 599792   | 47.134  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 553466   | 51.226  | ug/l  | 100    |
| 36) 1,1-Dichloropropene       | 7.80 | 75   | 499890   | 48.979  | ug/l  | 100    |
| 37) Ethyl Acetate             | 6.93 | 43   | 341901   | 58.227  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117  | 480411   | 49.719  | ug/l  | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 1/21/2019 10:48:44 AM

Quant Time: Jan 19 02:11:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 03:10:53 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 602244   | 47.741   | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 1544167  | 49.788   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 193567   | 55.404   | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 462844   | 51.225   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 620875   | 58.804   | ug/l   | 99       |
| 44) Trichloroethene            | 8.84  | 130  | 429750   | 49.966   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 410571   | 49.979   | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 244505   | 51.805   | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 504269   | 50.805   | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 306343   | 56.194   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 78606    | 1476.417 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1742813  | 302.375  | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 953518   | 49.522   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 515061   | 51.196   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 596762   | 50.601   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 359092   | 54.094   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 488404   | 51.767   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 603334   | 52.539   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 1272062  | 273.912  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1211530  | 299.432  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 398972   | 52.990   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 362092   | 53.934   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 473973   | 49.286   | ug/l   | 100      |
| 65) Chlorobenzene              | 11.43 | 112  | 1065687  | 49.337   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 381115   | 50.718   | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 1829561  | 49.700   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1416269  | 101.901  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 687176   | 50.883   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 1146253  | 52.296   | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 287435   | 55.562   | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 1835010  | 48.749   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 570814   | 56.886   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 414750   | 52.537   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 383139m  | 56.562   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 487841   | 49.184   | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 2127424  | 49.237   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1241175  | 48.462   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1526197  | 49.833   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 127237   | 47.662   | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1281012  | 49.047   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1324644  | 48.970   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1552233  | 50.266   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1818478  | 49.019   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1613955  | 50.105   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 871143   | 49.930   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 859871   | 49.132   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1362121  | 49.609   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 259161   | 51.301   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 855331   | 53.286   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 69441    | 69.372   | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 35 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

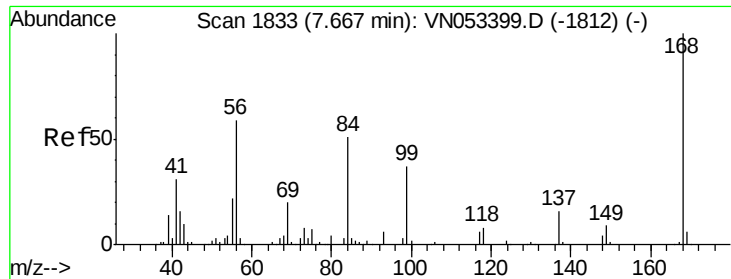
MMDadoda  
1/21/2019 10:48:44 AM

Quant Time: Jan 19 02:11:25 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011519W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 16 03:10:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 420365   | 58.836 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 266980   | 53.319 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 795751   | 62.933 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 325006   | 61.722 | 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: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 732466

Ion Ratio Lower Upper

168 100

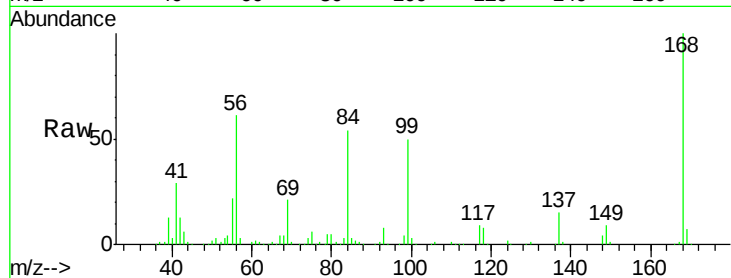
99 49.5 39.1 58.7

Manual Integrations

APPROVED

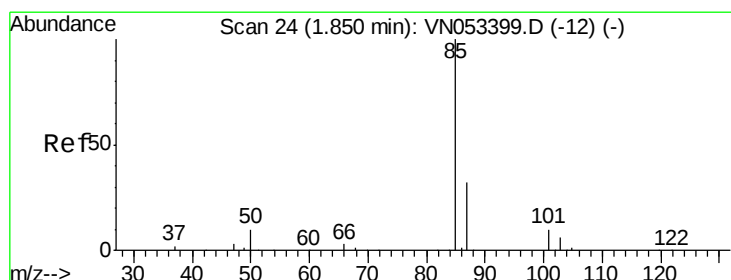
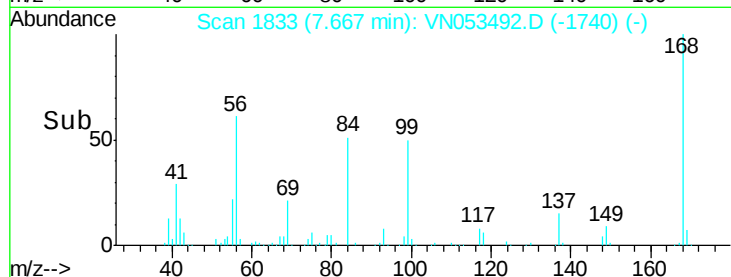
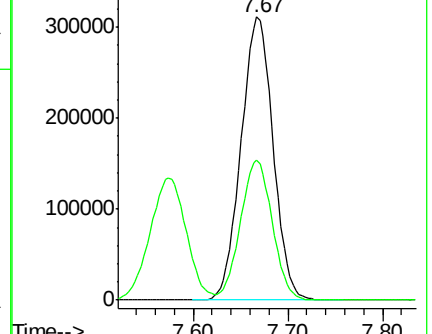
MMDadoda

1/21/2019 10:48:44 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.348 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053492.D

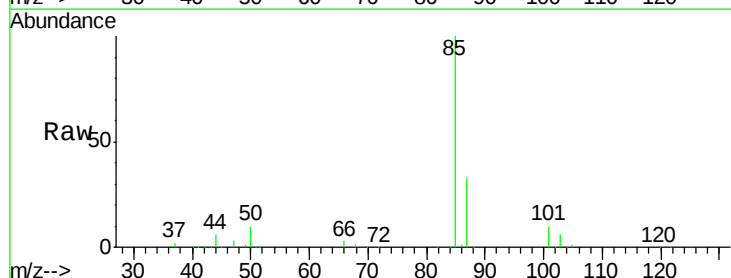
Acq: 19 Jan 2019 00:12

Tgt Ion: 85 Resp: 278835

Ion Ratio Lower Upper

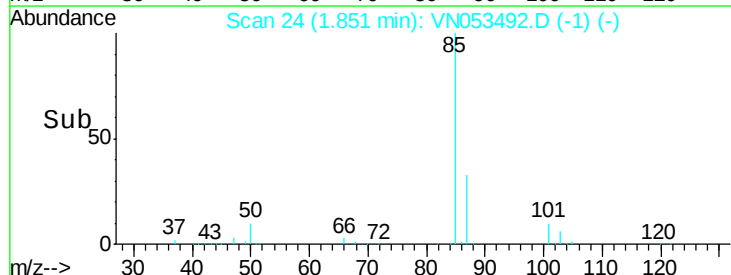
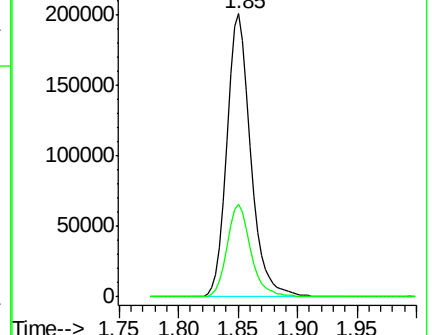
85 100

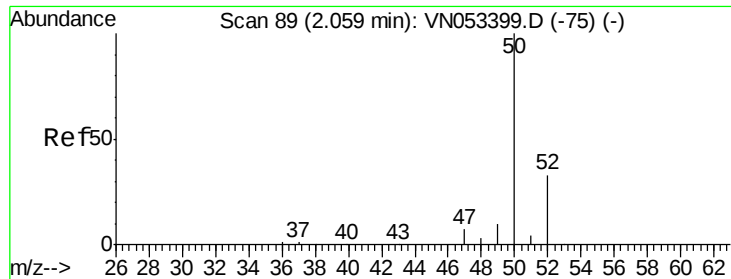
87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.811 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 394145

Ion Ratio Lower Upper

50 100

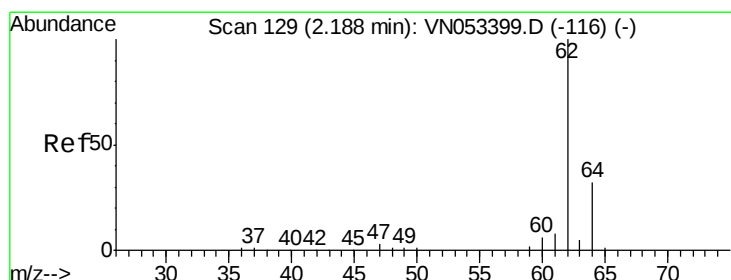
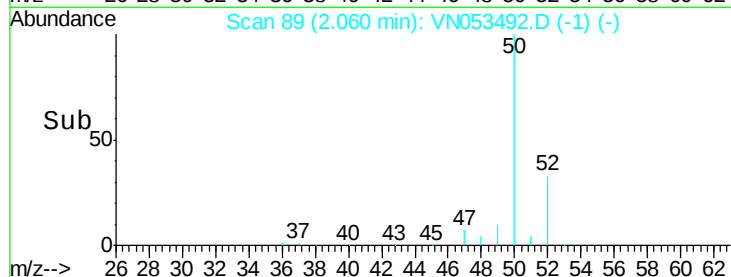
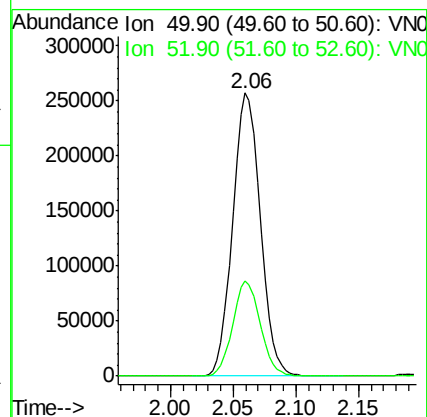
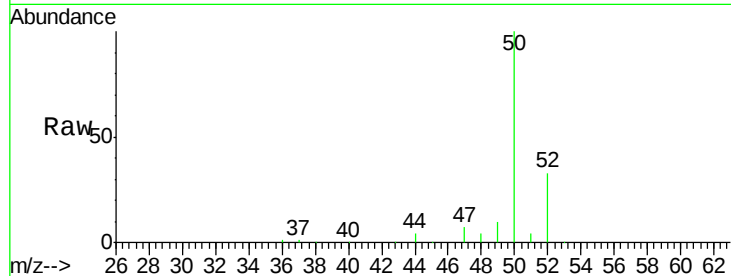
52 33.5 26.6 40.0

Manual Integrations

APPROVED

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1/21/2019 10:48:44 AM



#4

Vinyl Chloride

Concen: 47.211 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053492.D

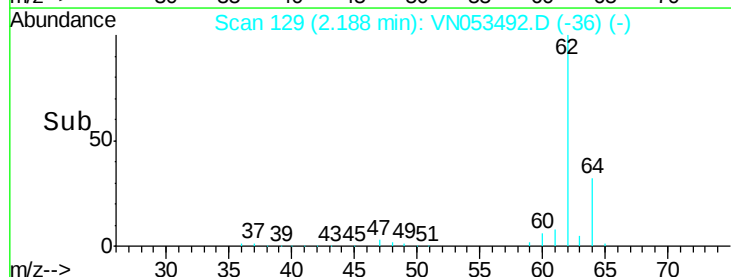
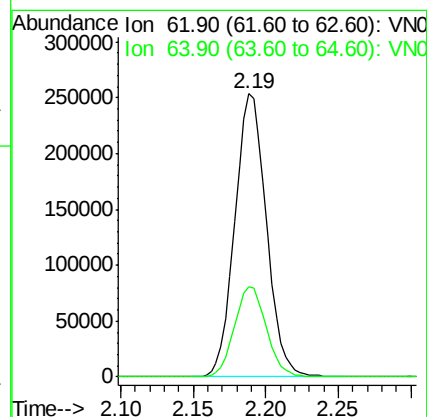
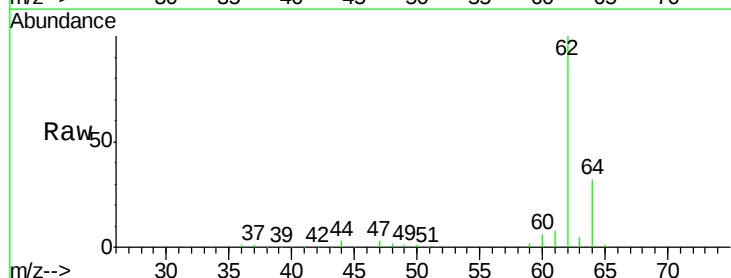
Acq: 19 Jan 2019 00:12

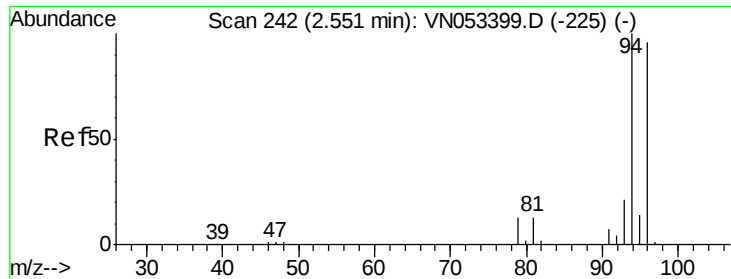
Tgt Ion: 62 Resp: 383179

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 47.864 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 266553

Ion Ratio Lower Upper

94 100

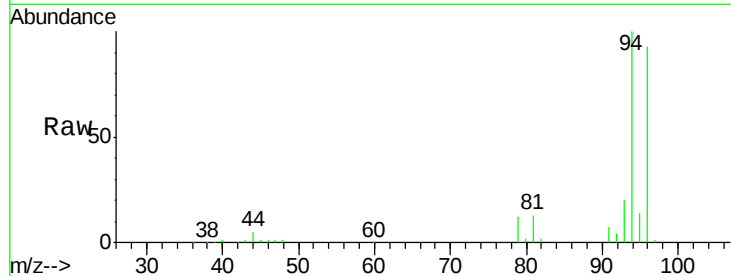
96 93.1 76.8 115.2

Manual Integrations

APPROVED

MMDadoda

1/21/2019 10:48:44 AM



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.56

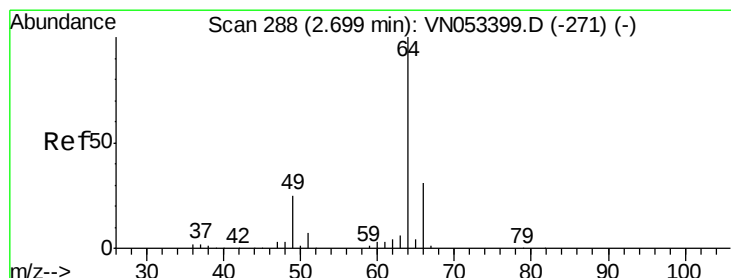
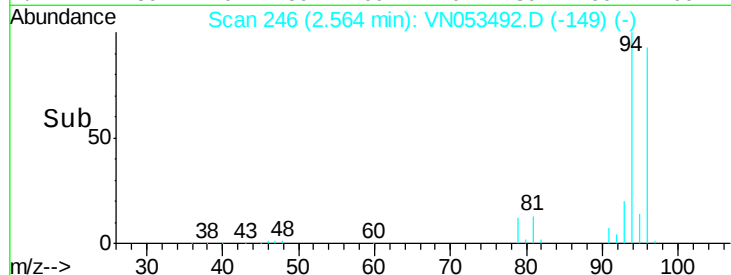
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.279 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053492.D

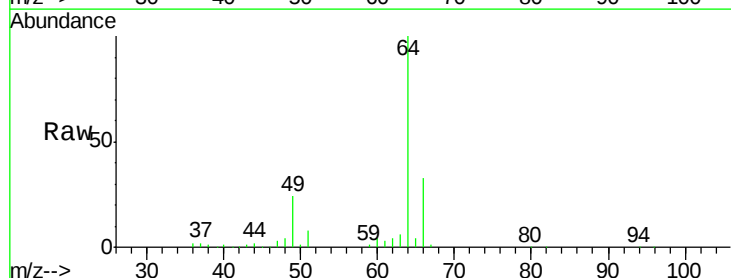
Acq: 19 Jan 2019 00:12

Tgt Ion: 64 Resp: 232002

Ion Ratio Lower Upper

64 100

66 32.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

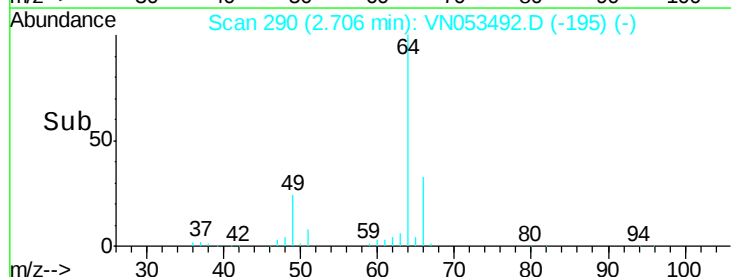
2.71

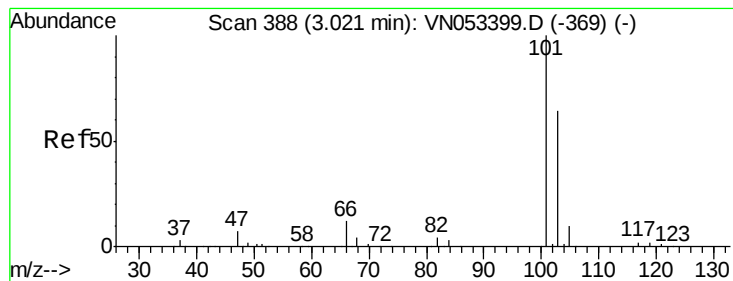
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50000

0

Time-->





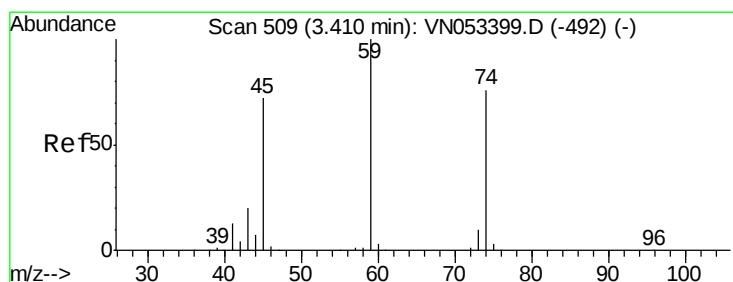
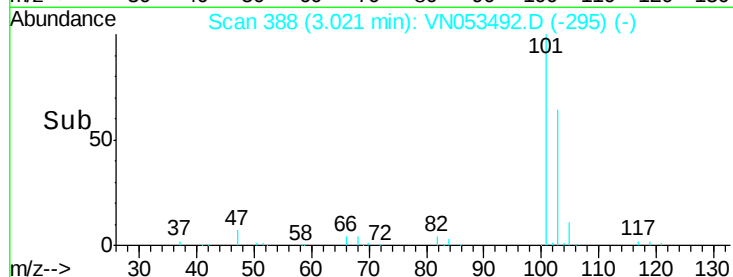
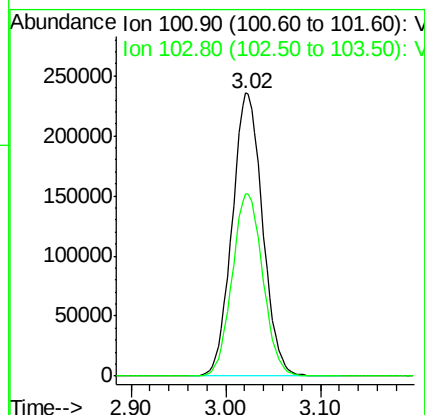
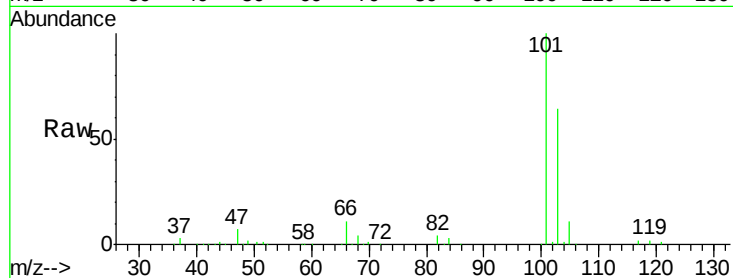
#7  
 Trichlorofluoromethane  
 Concen: 49.566 ug/l  
 RT: 3.02 min Scan# 388  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 101 Resp: 526201  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 51.6 77.4

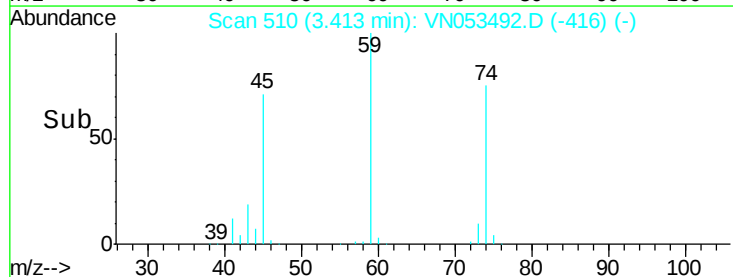
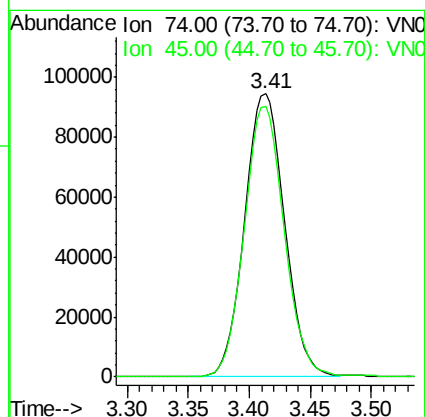
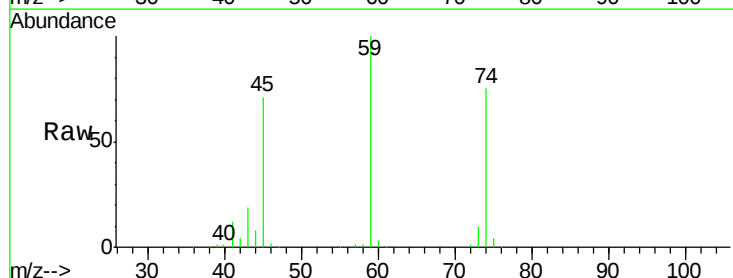
Manual Integrations  
 APPROVED

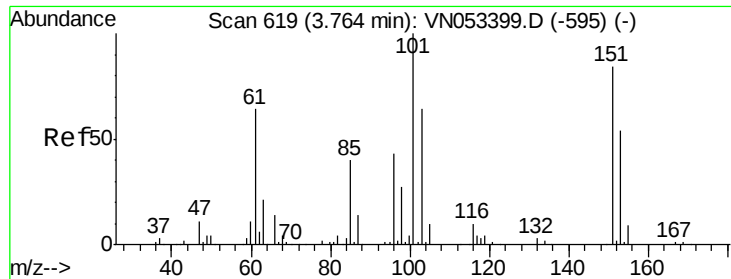
MMDadoda  
 1/21/2019 10:48:44 AM



#8  
 Diethyl Ether  
 Concen: 53.664 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Tgt Ion: 74 Resp: 213973  
 Ion Ratio Lower Upper  
 74 100  
 45 95.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.028 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

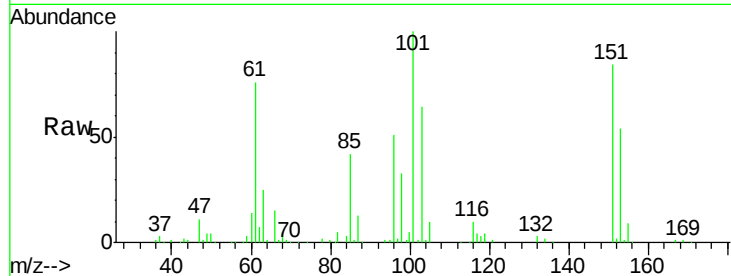
ClientSampleId :

VSTDCCC050EC

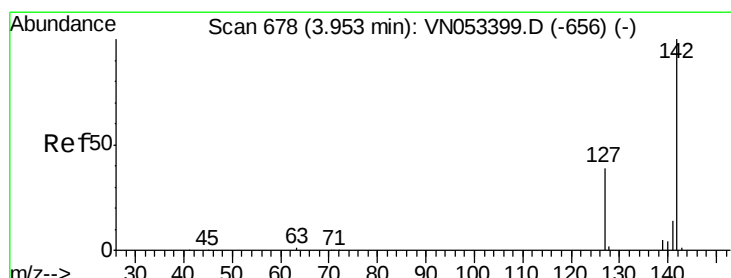
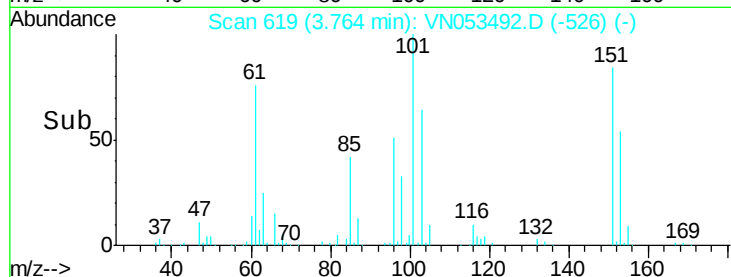
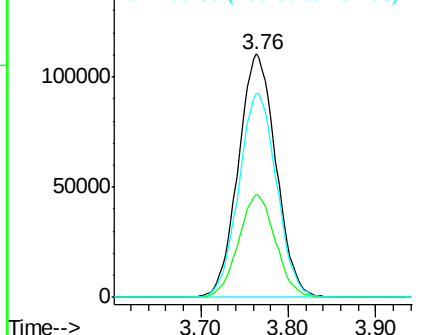
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 329636 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.4  | 32.8  | 49.2   |
| 151       | 84.1  | 66.9  | 100.3  |

Manual Integrations  
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1/21/2019 10:48:44 AM



Abundance Ion 100.90 (100.60 to 101.60): V  
150000  
Ion 84.90 (84.60 to 85.60): VN  
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.137 ug/l

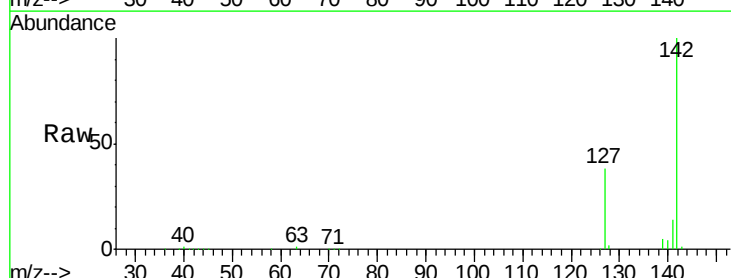
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

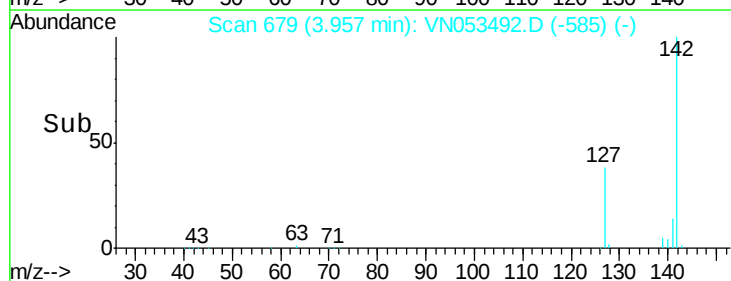
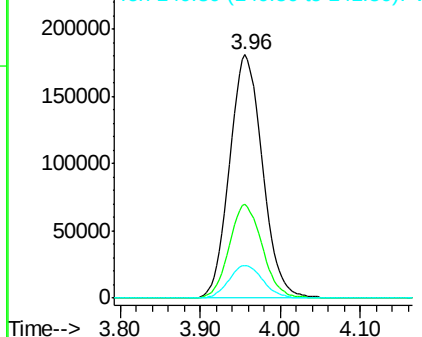
Lab File: VN053492.D

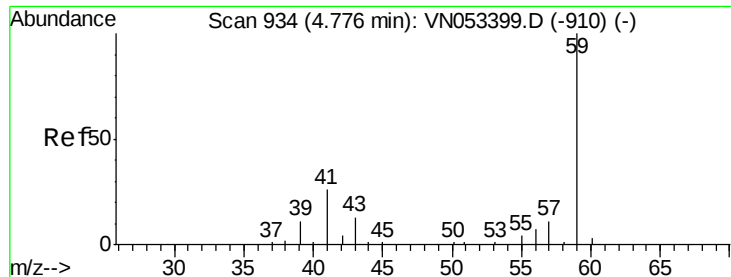
Acq: 19 Jan 2019 00:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 504848 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.8  | 31.0  | 46.4   |
| 141       | 13.8  | 11.1  | 16.7   |



Abundance Ion 141.80 (141.50 to 142.50): V  
250000  
Ion 126.80 (126.50 to 127.50): V  
Ion 140.80 (140.50 to 141.50): V





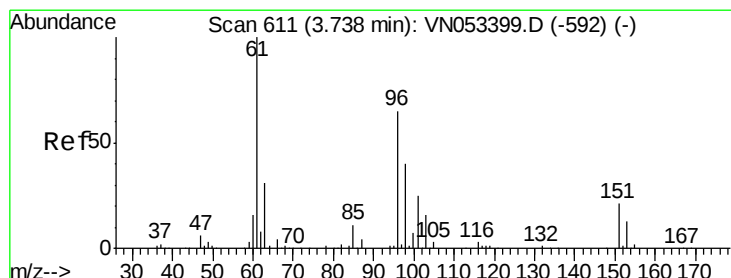
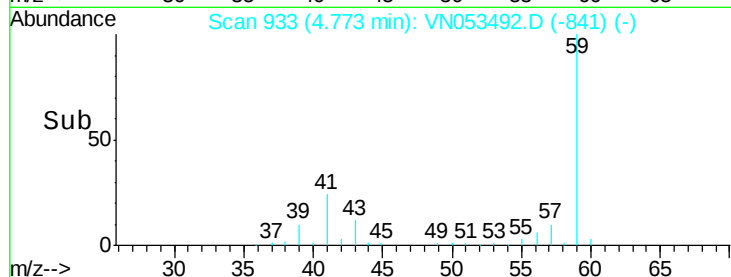
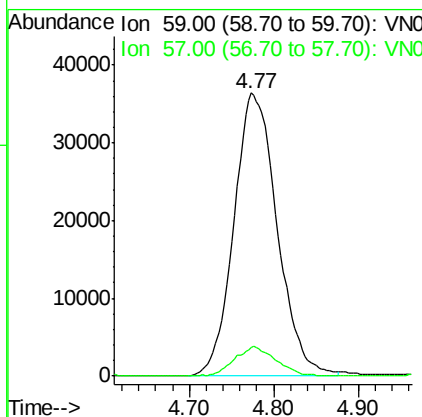
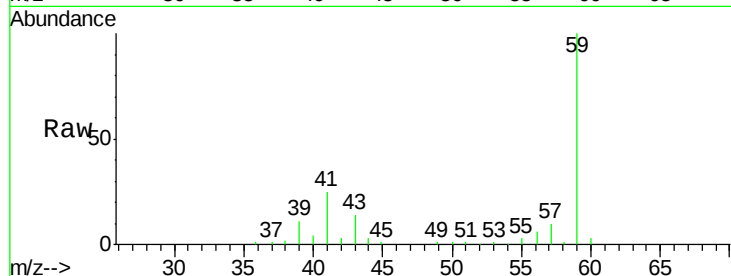
#11  
Tert butyl alcohol  
Concen: 366.720 ug/l  
RT: 4.77 min Scan# 933  
Delta R.T. -0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.0  | 8.2   | 12.4  |

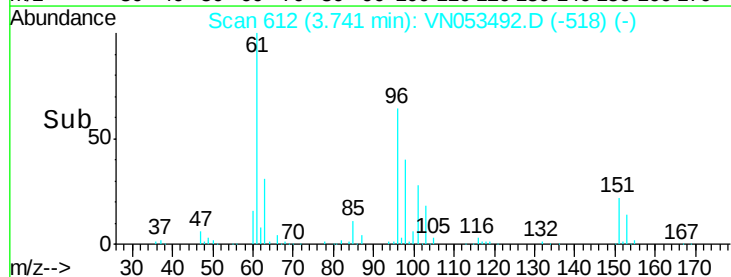
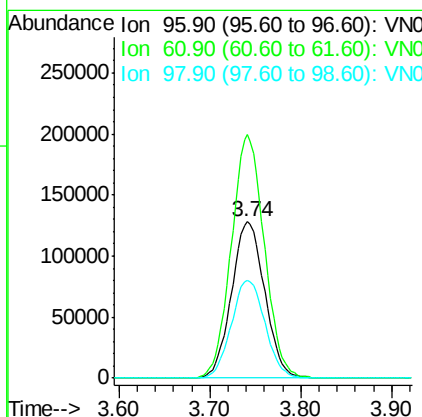
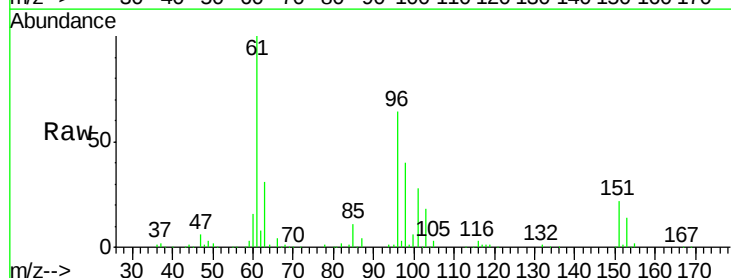
Manual Integrations  
APPROVED

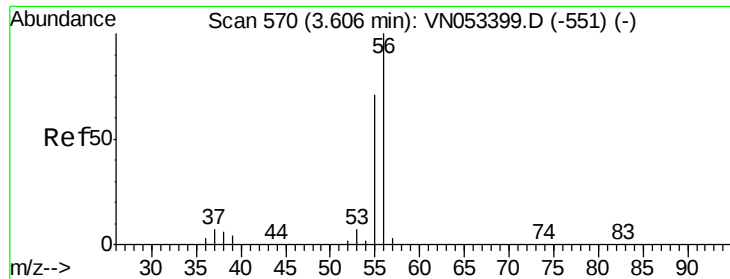
MMDadoda  
1/21/2019 10:48:44 AM



#12  
1,1-Dichloroethene  
Concen: 49.847 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 155.8 | 122.9 | 184.3 |
| 98      | 62.8  | 49.4  | 74.0  |





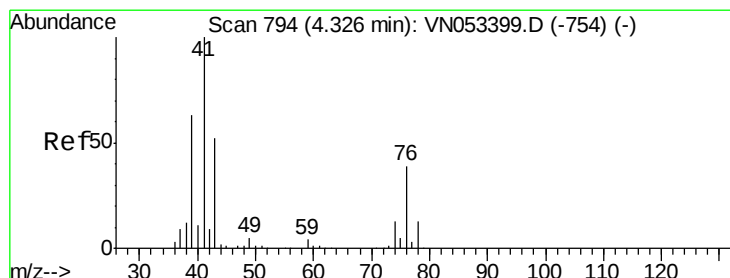
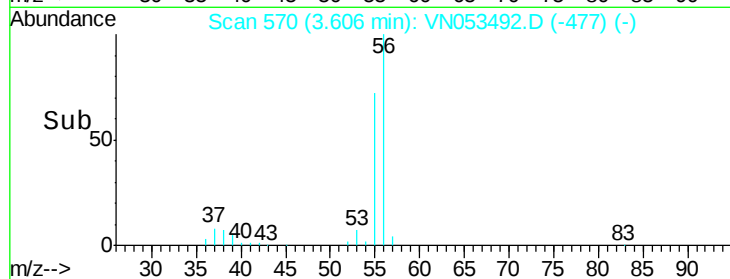
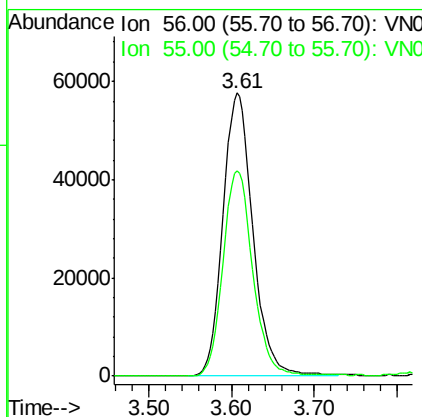
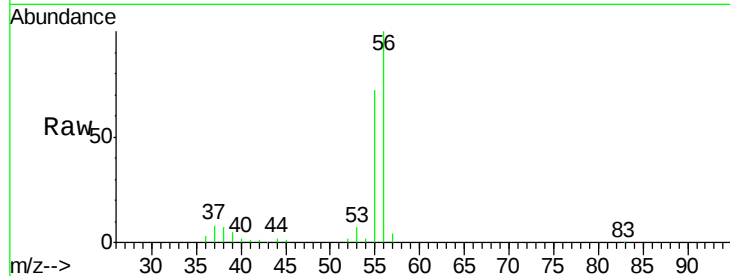
#13  
Acrolein  
Concen: 213.552 ug/l  
RT: 3.61 min Scan# 570  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 56  | 55   | Resp | Lower | Upper |
|---------|-----|------|------|-------|-------|
| 145100  | 100 | 71.7 |      | 57.4  | 86.0  |

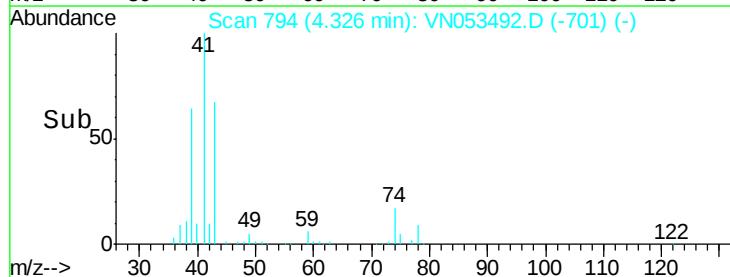
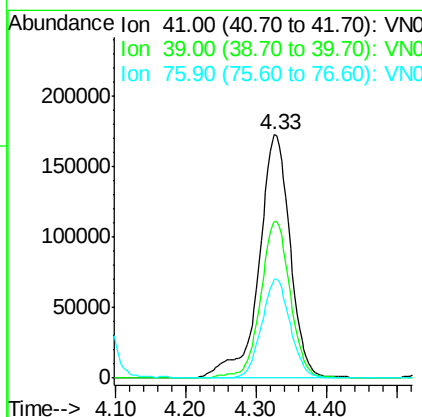
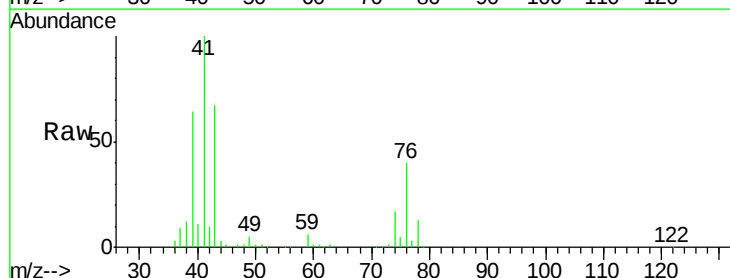
Manual Integrations  
APPROVED

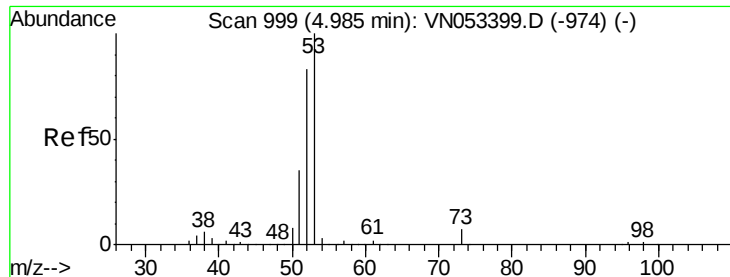
MMDadoda  
1/21/2019 10:48:44 AM



#14  
Allyl chloride  
Concen: 50.368 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | 41  | 39   | 76   | Resp | Lower | Upper |
|---------|-----|------|------|------|-------|-------|
| 533525  | 100 | 61.2 | 36.9 |      | 48.9  | 73.3  |
|         |     |      |      |      | 29.4  | 44.2  |





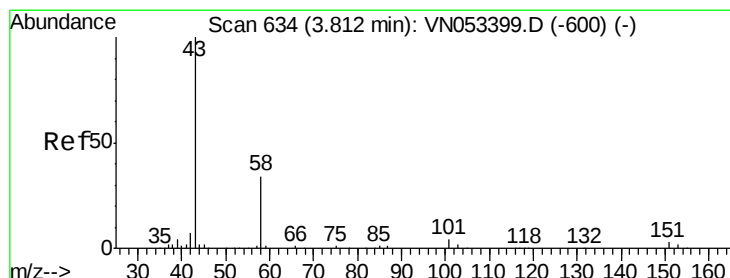
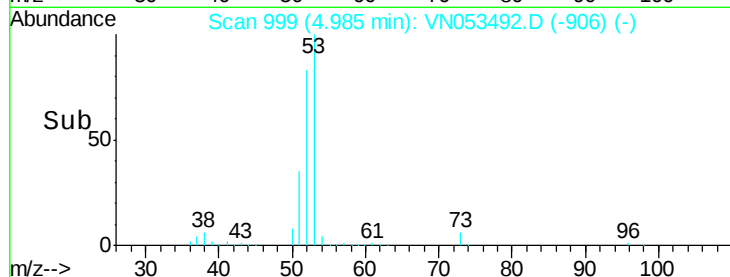
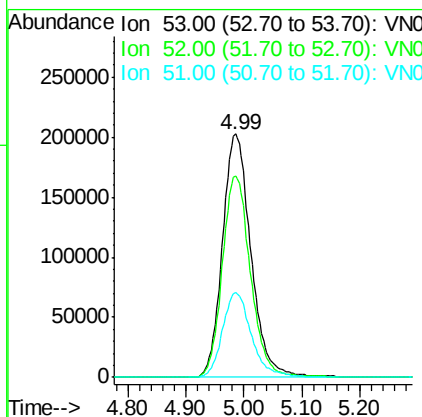
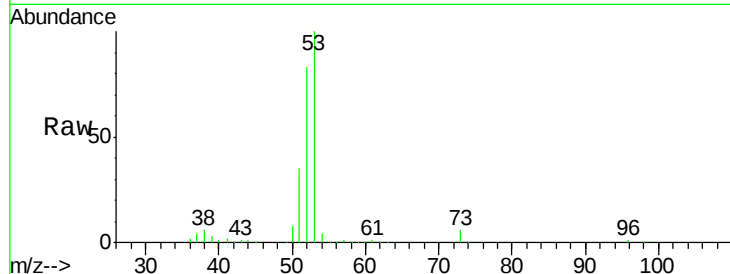
#15  
 Acrylonitrile  
 Concen: 296.032 ug/l  
 RT: 4.99 min Scan# 999  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 81.9  | 66.0  | 99.0  |
| 51      | 35.4  | 28.3  | 42.5  |

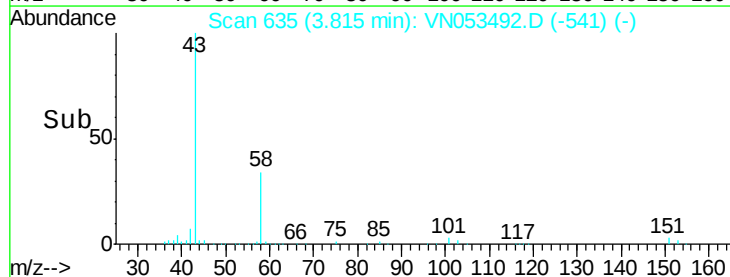
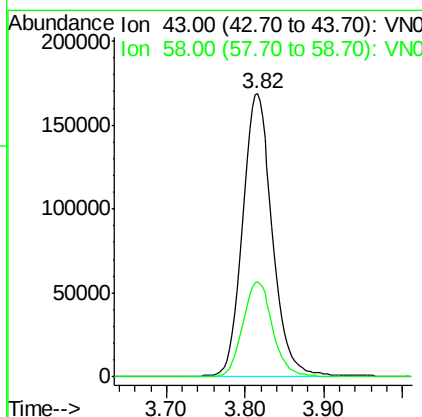
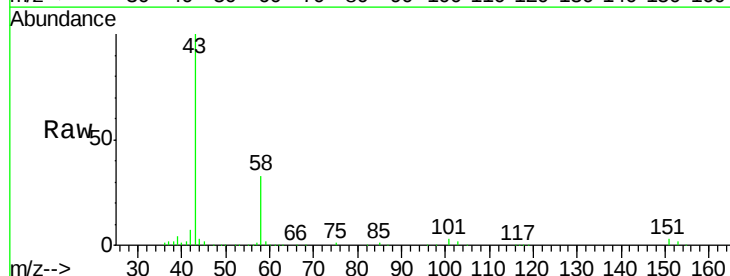
Manual Integrations  
 APPROVED

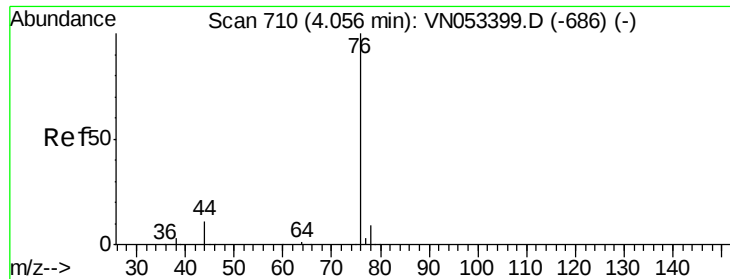
MMDadoda  
 1/21/2019 10:48:44 AM



#16  
 Acetone  
 Concen: 263.766 ug/l  
 RT: 3.82 min Scan# 635  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 33.5  | 27.1  | 40.7  |





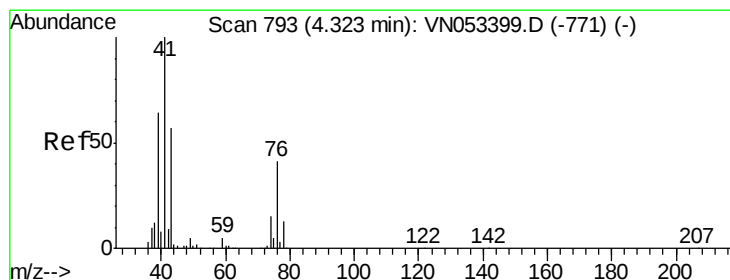
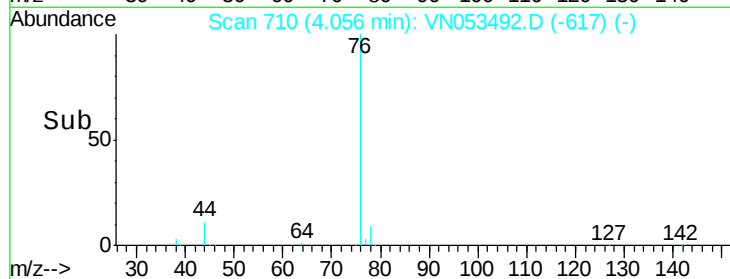
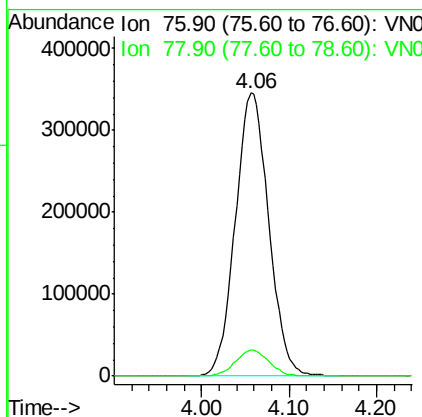
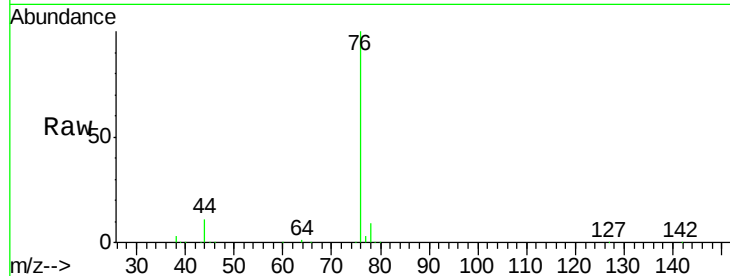
#17  
Carbon Disulfide  
Concen: 46.465 ug/l  
RT: 4.06 min Scan# 710  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.2   | 7.3   | 10.9  |

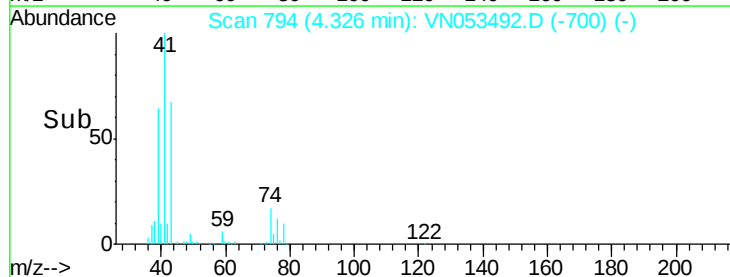
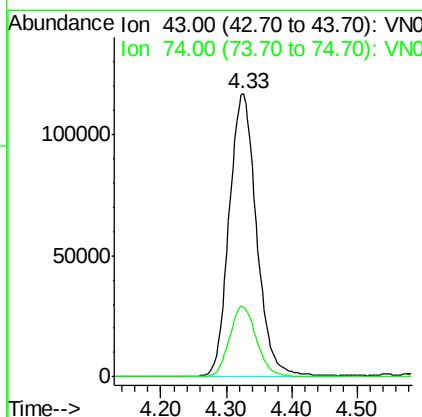
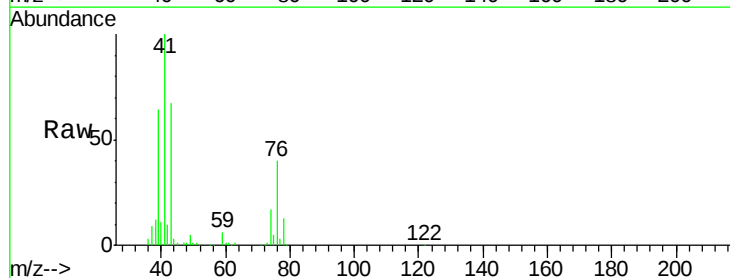
Manual Integrations  
APPROVED

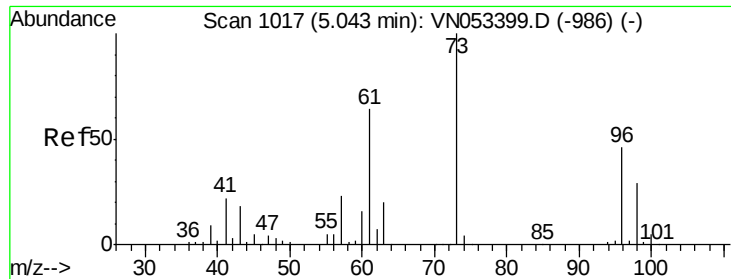
MMDadoda  
1/21/2019 10:48:44 AM



#18  
Methyl Acetate  
Concen: 59.126 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.7  | 19.4  | 29.2  |





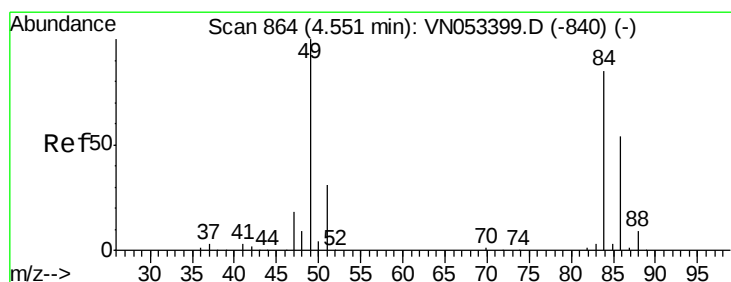
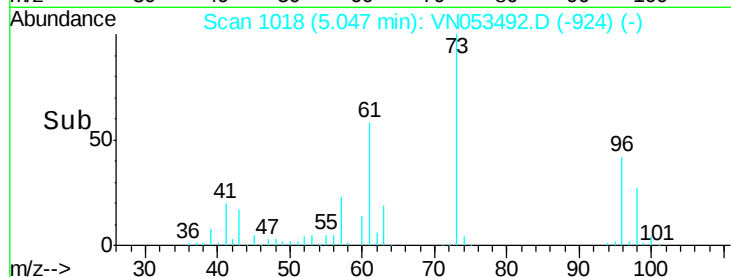
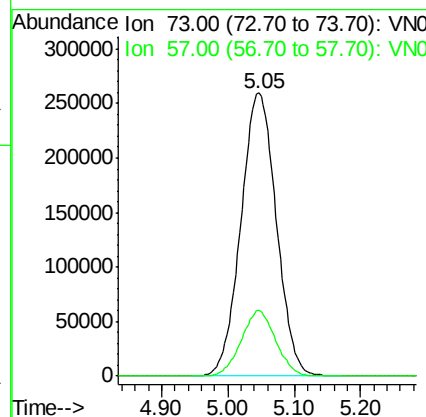
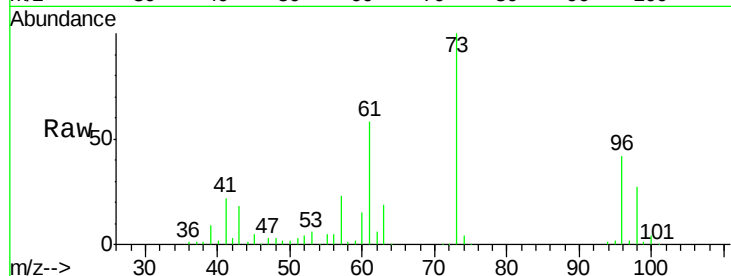
#19  
Methvl tert-butvl Ether  
Concen: 55.659 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 964418  
Ion Ratio Lower Upper  
73 100  
57 23.3 18.3 27.5

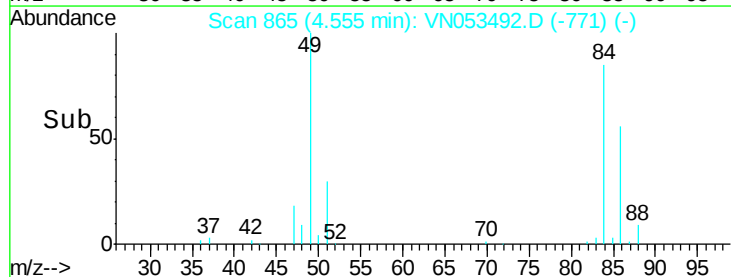
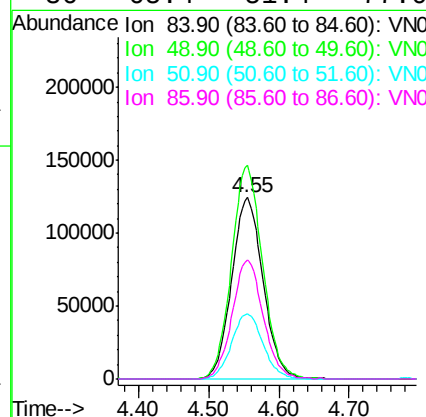
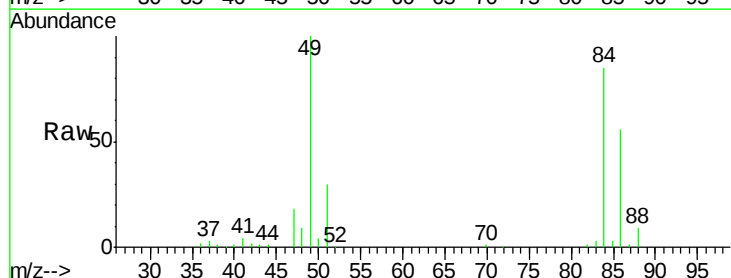
Manual Integrations  
APPROVED

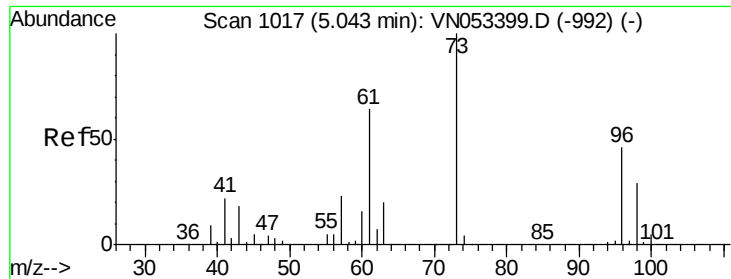
MMDadoda  
1/21/2019 10:48:44 AM



#20  
Methylene Chloride  
Concen: 49.921 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Tgt Ion: 84 Resp: 387131  
Ion Ratio Lower Upper  
84 100  
49 117.9 94.3 141.5  
51 35.8 29.4 44.2  
86 65.4 51.4 77.0





#21

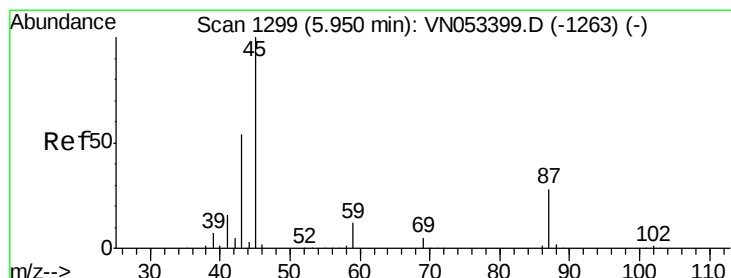
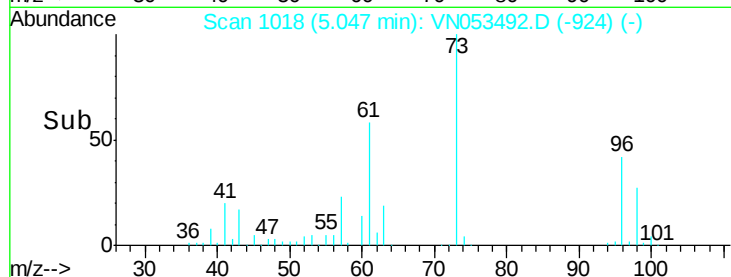
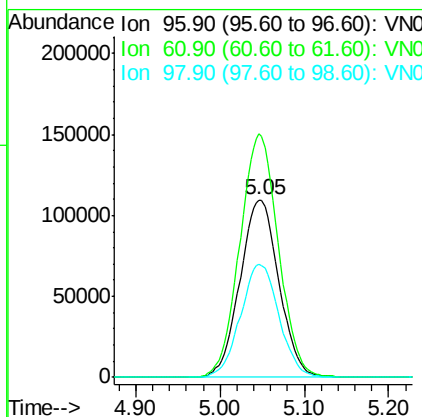
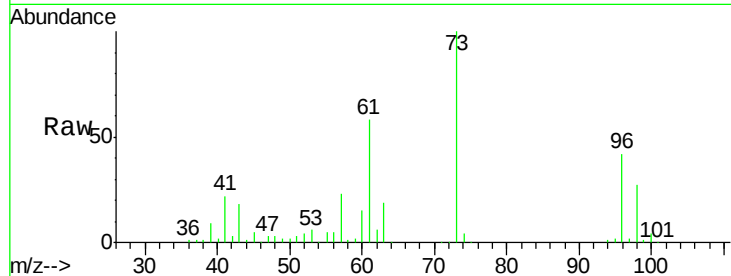
trans-1,2-Dichloroethene  
Concen: 50.387 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 137.2 | 110.1 | 165.1 |
| 98      | 63.6  | 50.0  | 75.0  |

Manual Integrations  
APPROVED

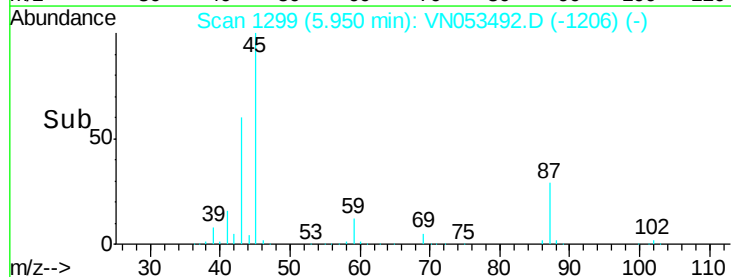
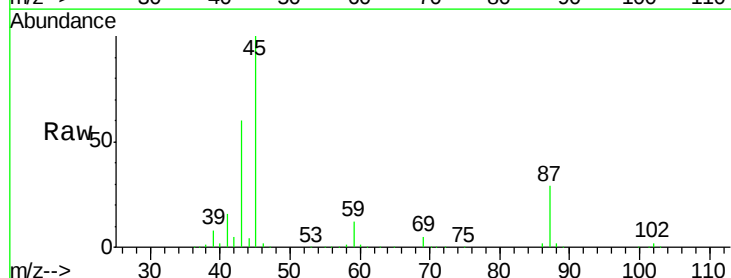
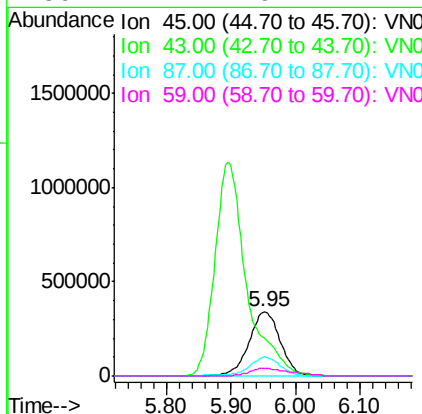
MMDadoda  
1/21/2019 10:48:44 AM

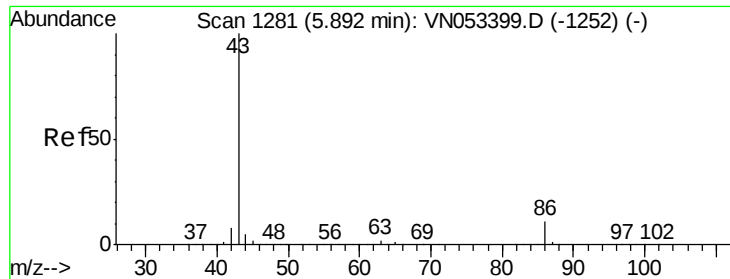


#22

Diisopropyl ether  
Concen: 52.156 ug/l  
RT: 5.95 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 59.1  | 44.2  | 66.4  |
| 87      | 28.8  | 22.7  | 34.1  |
| 59      | 12.1  | 9.4   | 14.2  |





#23

Vinyl Acetate

Concen: 284.905 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3872772

Ion Ratio Lower Upper

43 100

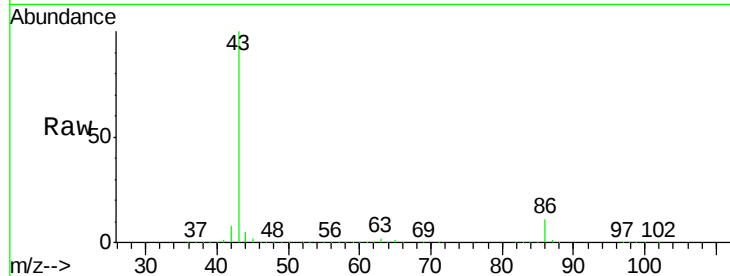
86 10.8 8.4 12.6

Manual Integrations

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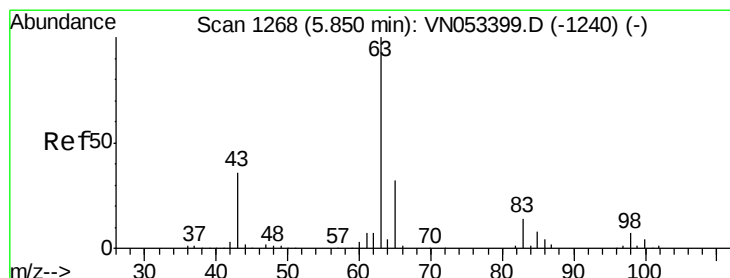
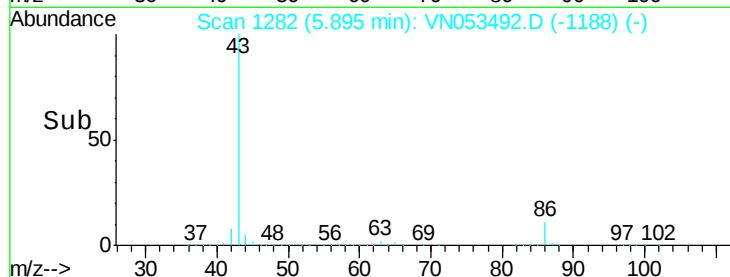
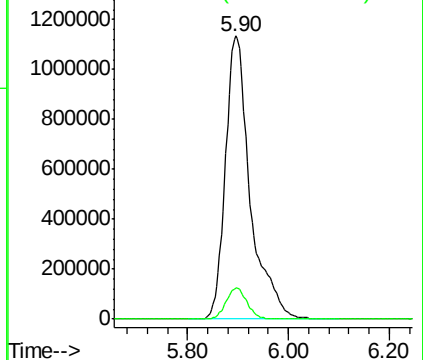
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 51.084 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

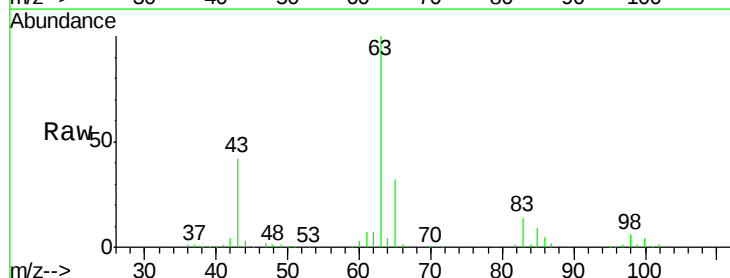
Tgt Ion: 63 Resp: 667796

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

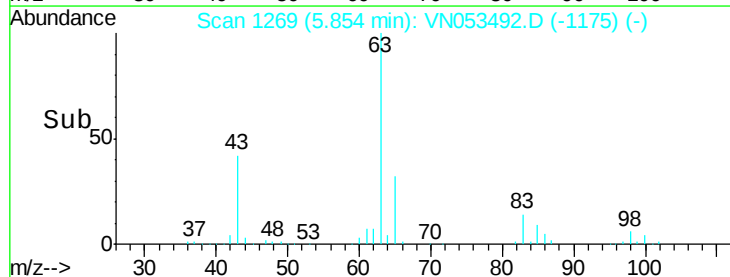
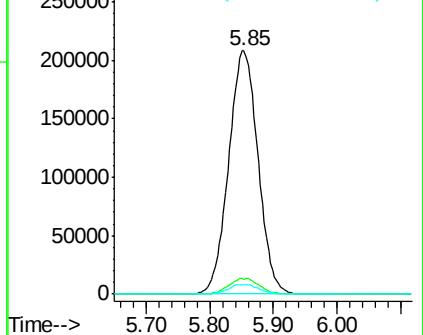
100 4.0 2.1 6.5

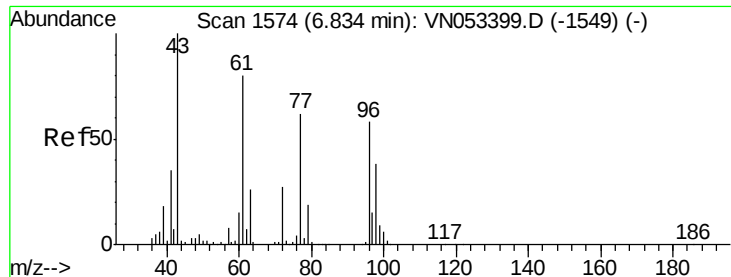


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 290.120 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 759393

Ion Ratio Lower Upper

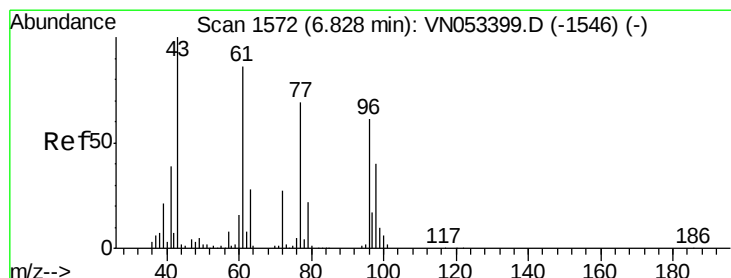
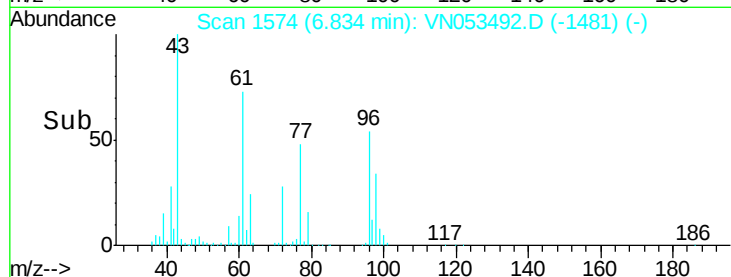
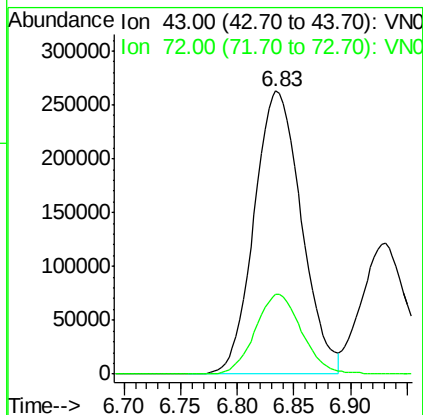
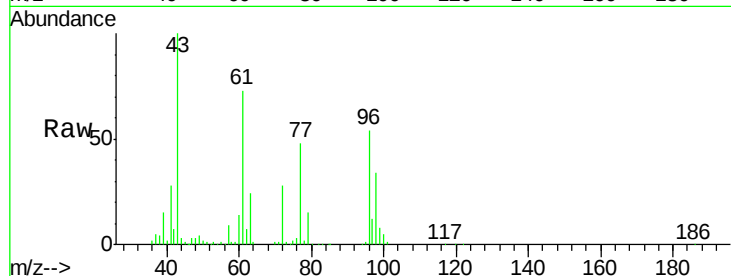
43 100

72 28.2 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 41.965 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053492.D

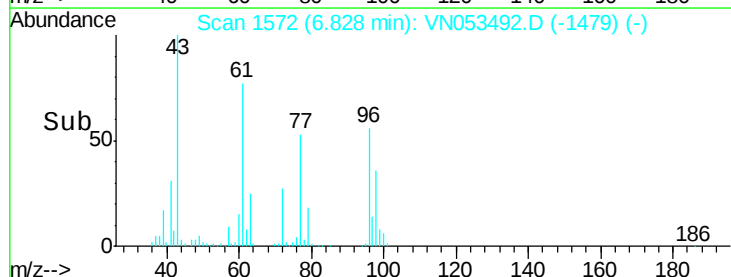
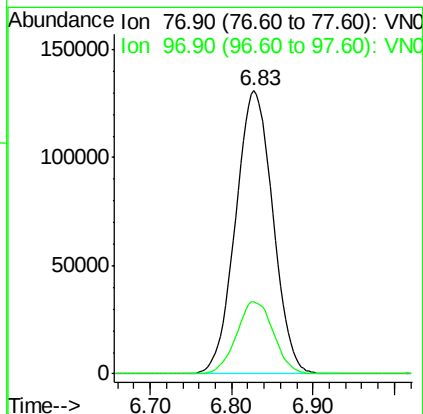
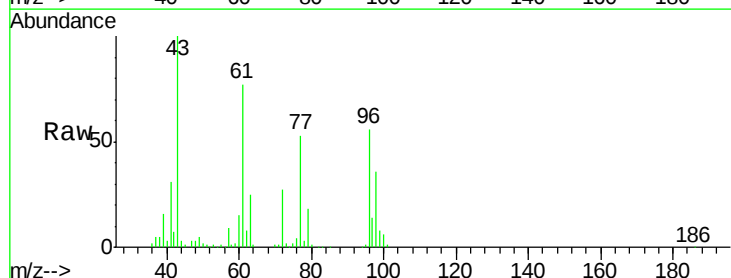
Acq: 19 Jan 2019 00:12

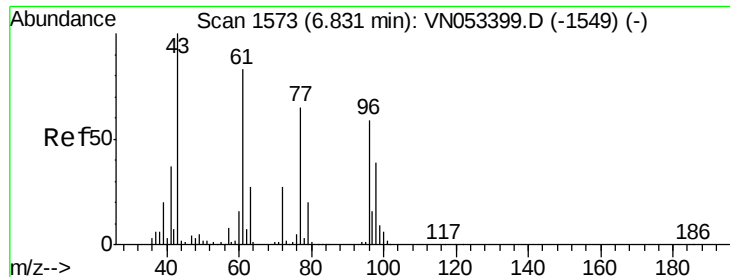
Tgt Ion: 77 Resp: 414198

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.536 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 96 Resp: 410876

Ion Ratio Lower Upper

96 100

61 137.3 0.0 283.8

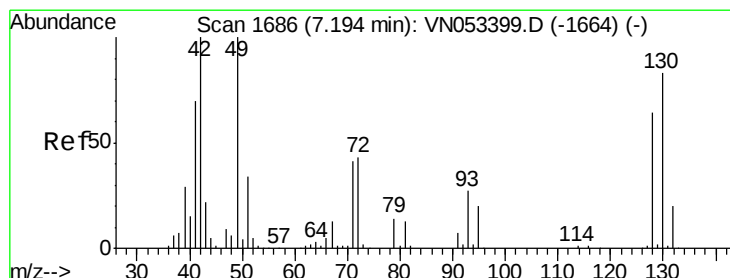
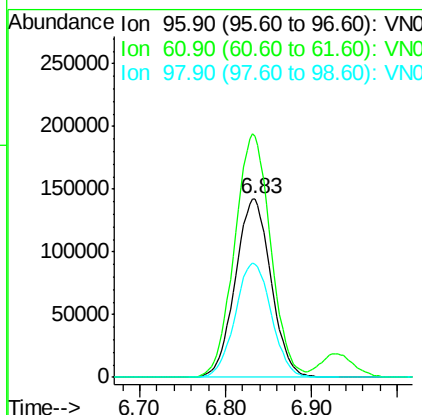
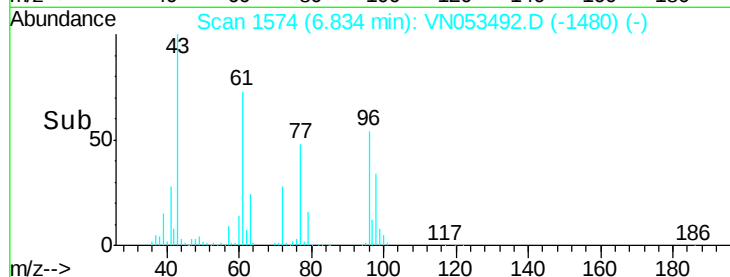
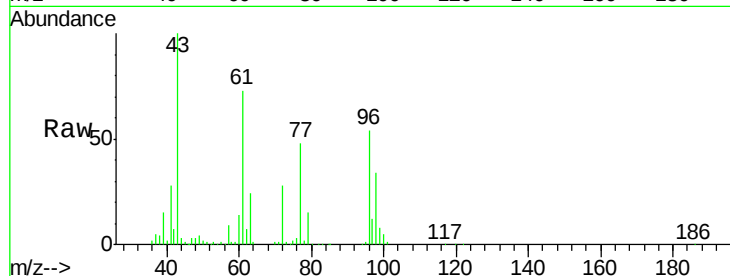
98 64.8 0.0 129.2

Manual Integrations

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#28

Bromochloromethane

Concen: 53.152 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

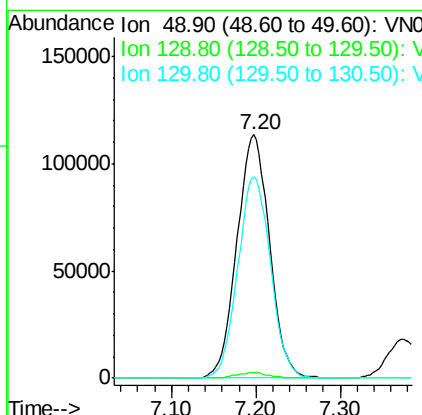
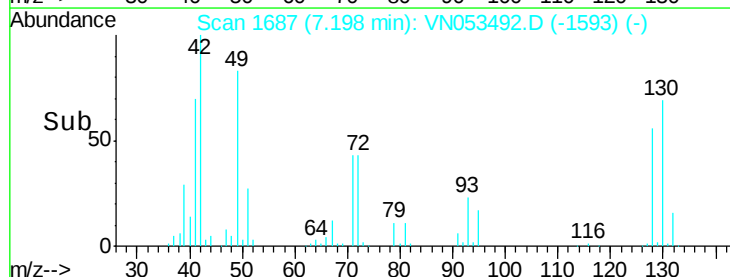
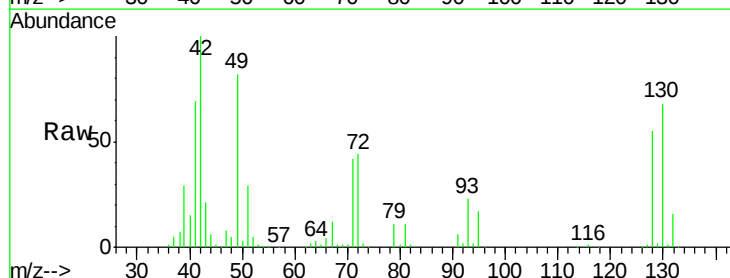
Tgt Ion: 49 Resp: 306102

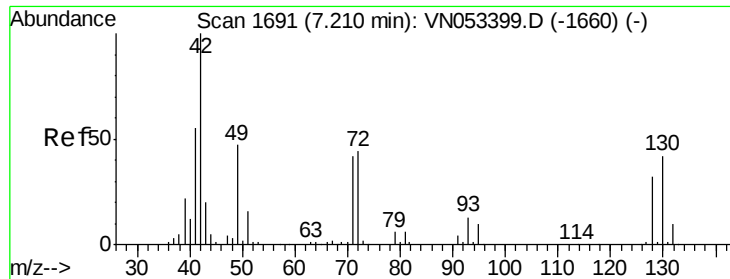
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

130 83.2 66.3 99.5





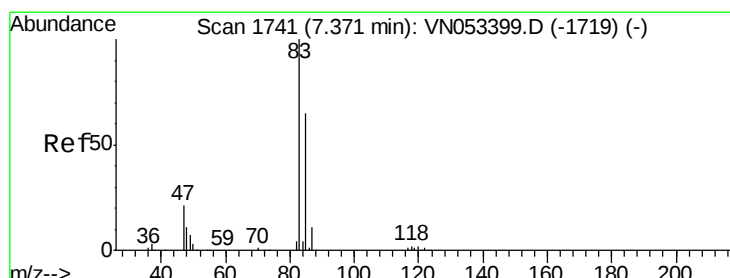
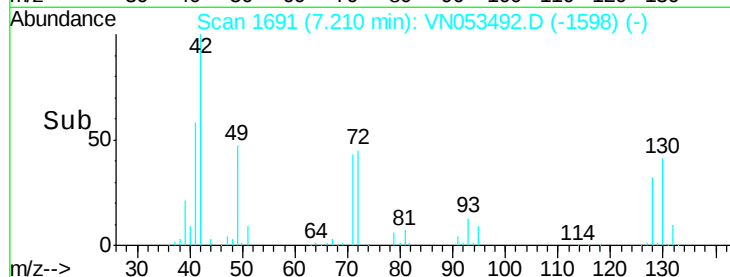
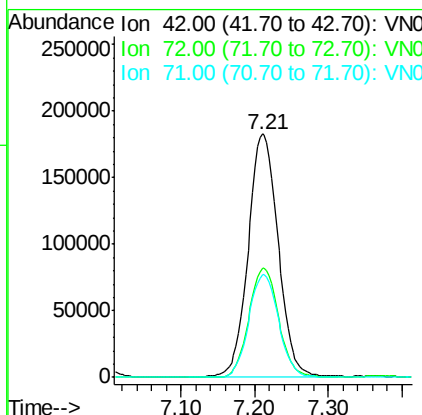
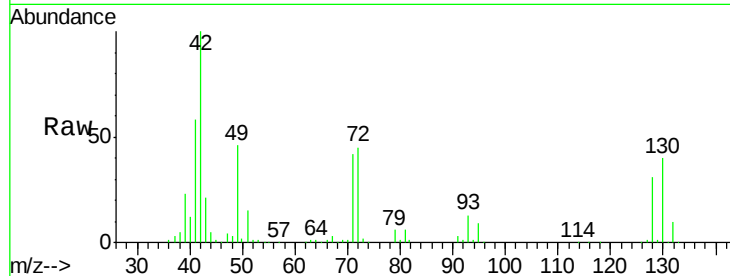
#29  
Tetrahydrofuran  
Concen: 304.265 ug/l  
RT: 7.21 min Scan# 1691  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 44.7  | 35.2  | 52.8  |
| 71      | 42.1  | 33.0  | 49.4  |

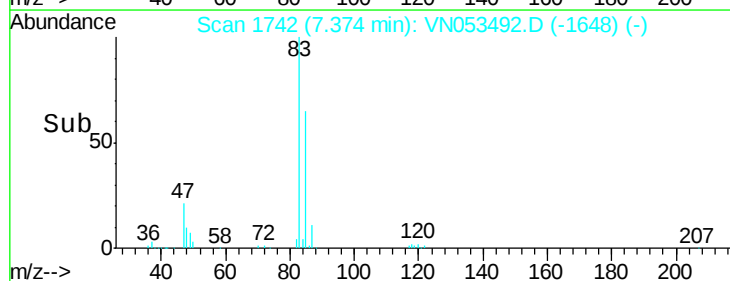
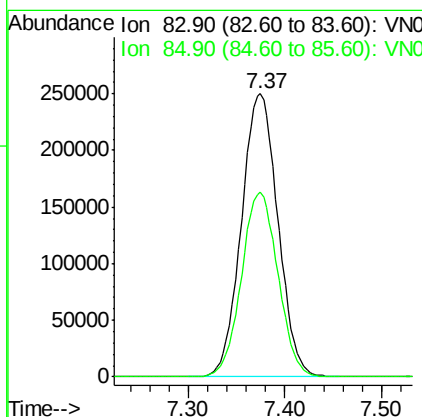
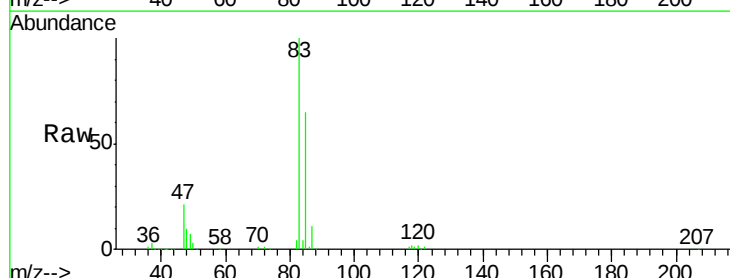
Manual Integrations  
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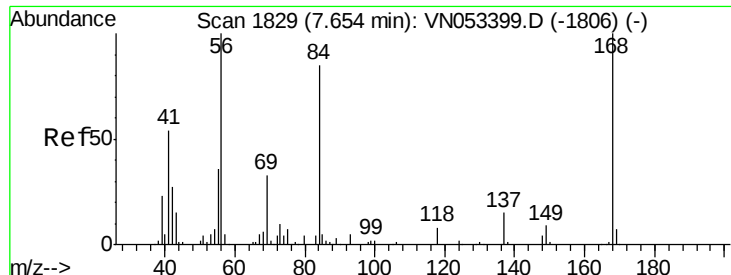
MMDadoda  
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#30  
Chloroform  
Concen: 51.495 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.5  | 52.2  | 78.2  |





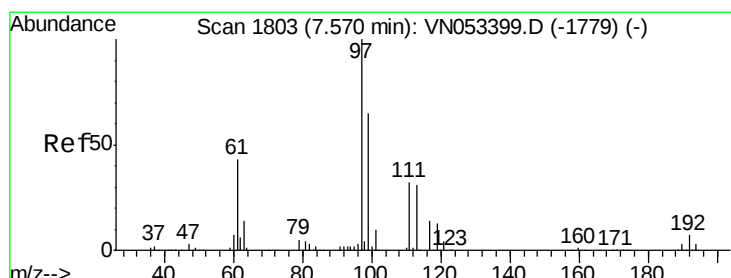
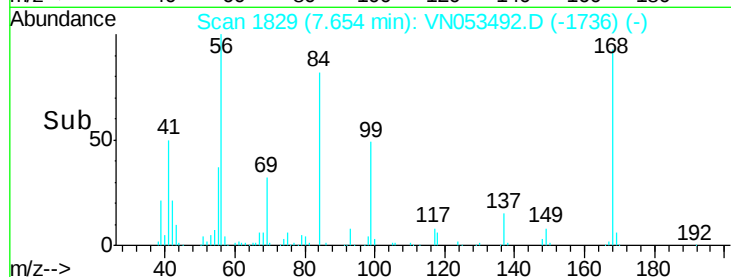
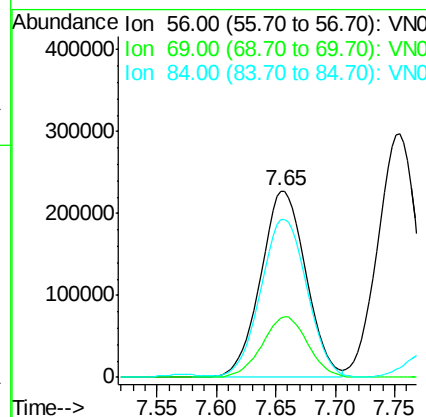
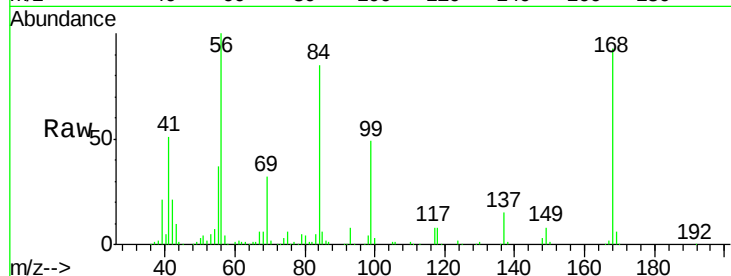
#31  
Cyclohexane  
Concen: 47.134 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.9  | 26.4  | 39.6  |
| 84      | 83.6  | 67.9  | 101.9 |

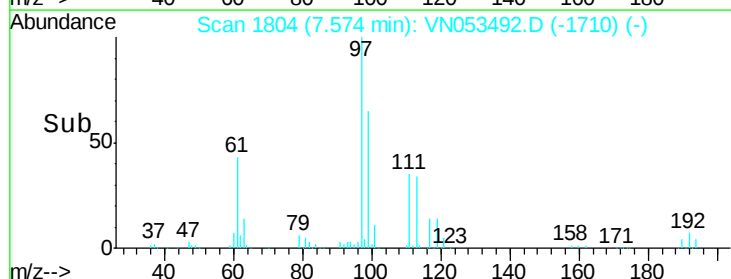
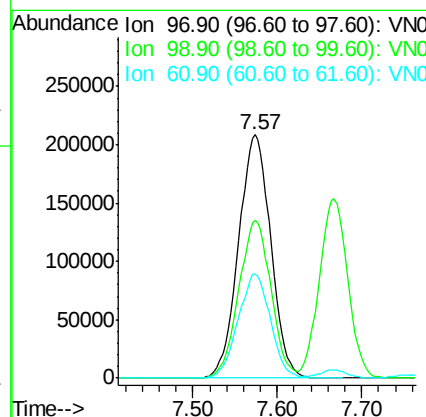
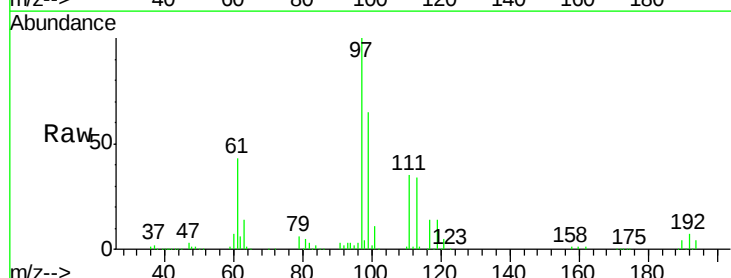
Manual Integrations  
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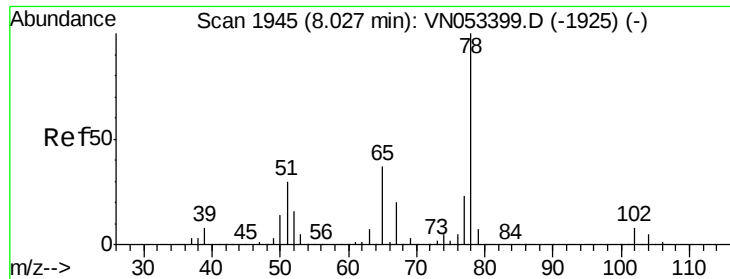
MMDadoda  
1/21/2019 10:48:44 AM



#32  
1,1,1-Trichloroethane  
Concen: 51.226 ug/l  
RT: 7.57 min Scan# 1804  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.9  | 52.0  | 78.0  |
| 61      | 42.9  | 34.4  | 51.6  |





#33

1,2-Dichloroethane-d4

Concen: 51.226 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 377756

Ion Ratio Lower Upper

65 100

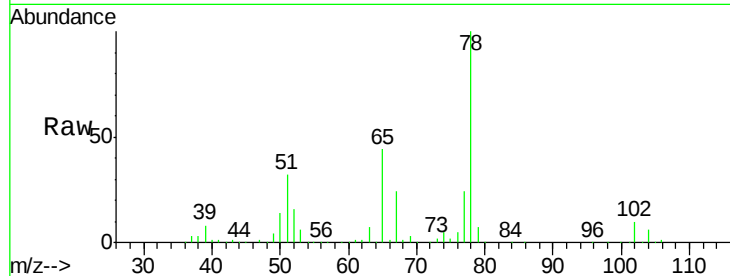
67 55.5 0.0 111.2

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Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)

8.03

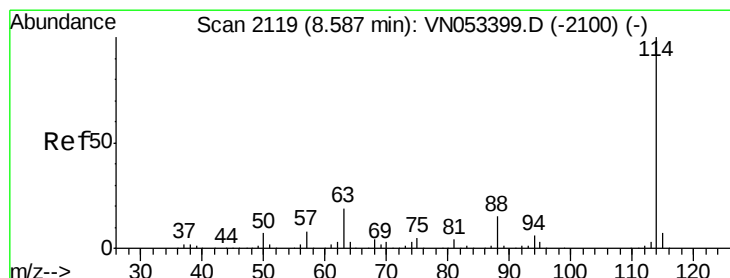
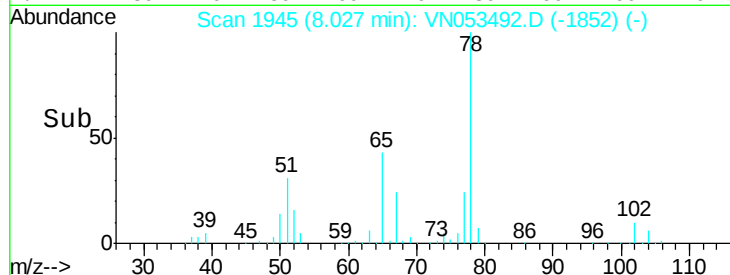
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

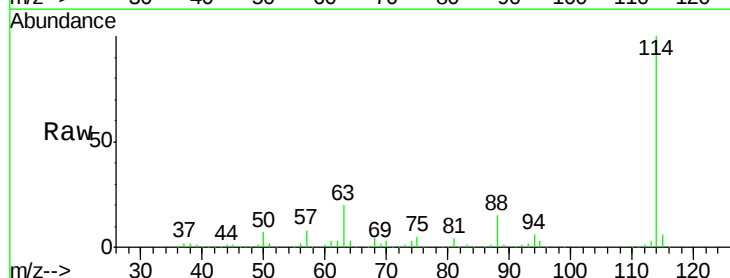
Tgt Ion: 114 Resp: 1120679

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)

8.59

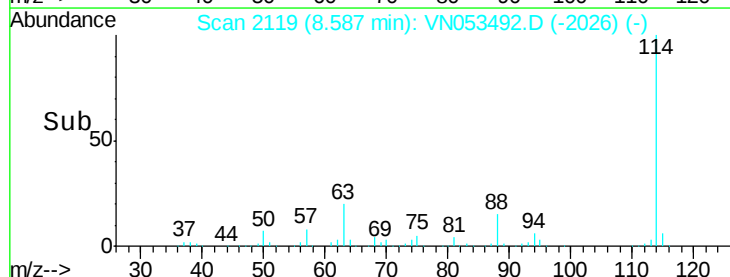
600000

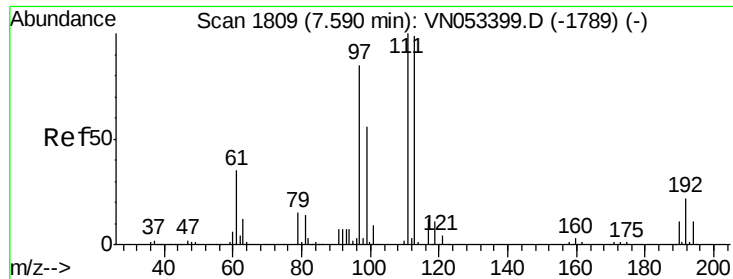
400000

200000

0

Time-->





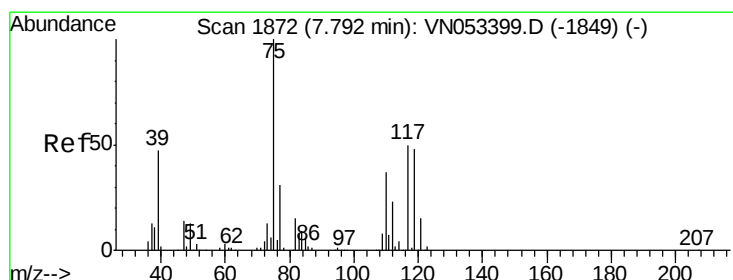
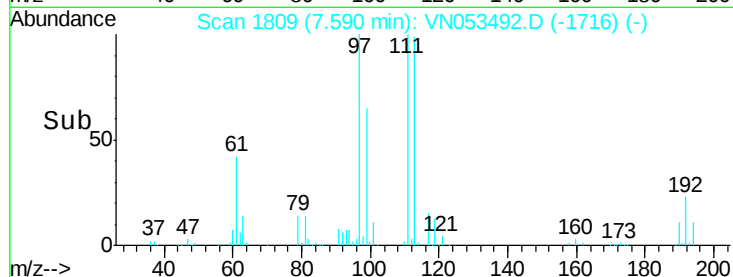
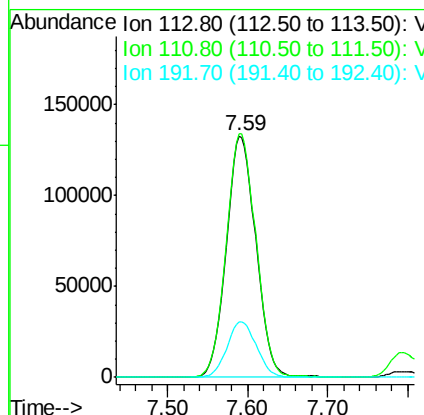
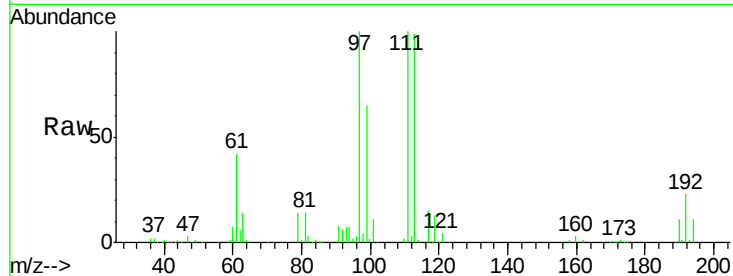
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 334399 |       |       |
| 111     | 101.3 | 81.1   | 121.7 |       |
| 192     | 22.9  | 18.2   | 27.2  |       |

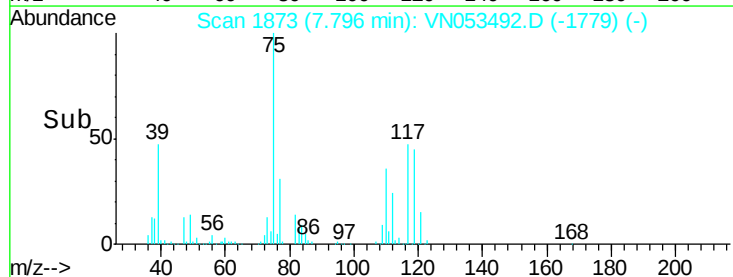
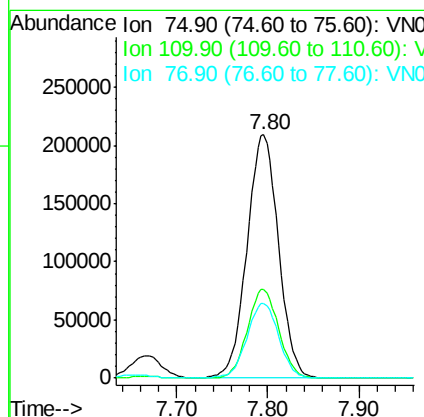
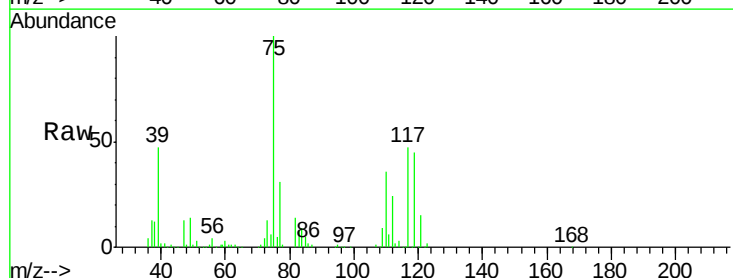
Manual Integrations  
APPROVED

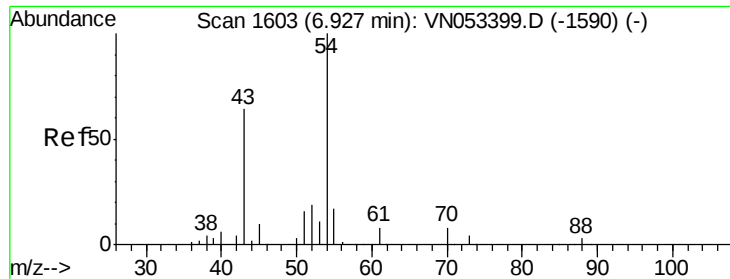
MMDadoda  
1/21/2019 10:48:44 AM



#36  
1,1-Dichloropropene  
Concen: 48.979 ug/l  
RT: 7.80 min Scan# 1873  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 499890 |       |       |
| 110     | 36.4  | 18.1   | 54.3  |       |
| 77      | 31.4  | 25.1   | 37.7  |       |





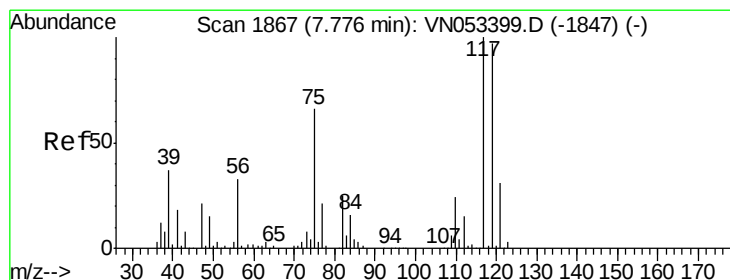
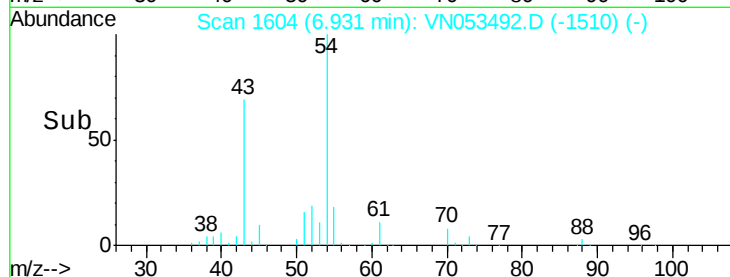
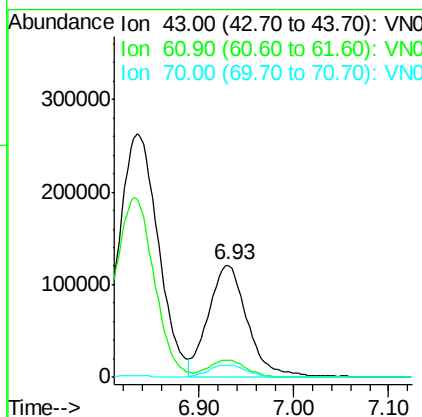
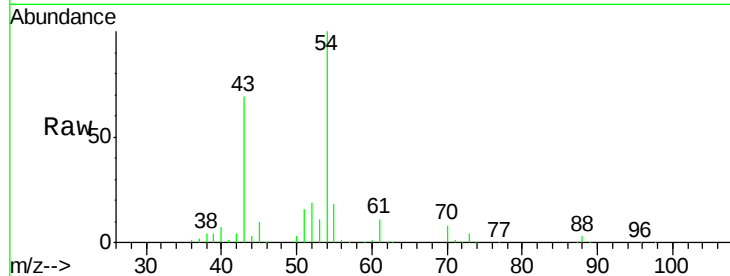
#37  
Ethyl Acetate  
Concen: 58.227 ug/l  
RT: 6.93 min Scan# 1604  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.0  | 11.8  | 17.6  |
| 70      | 10.9  | 8.6   | 12.8  |

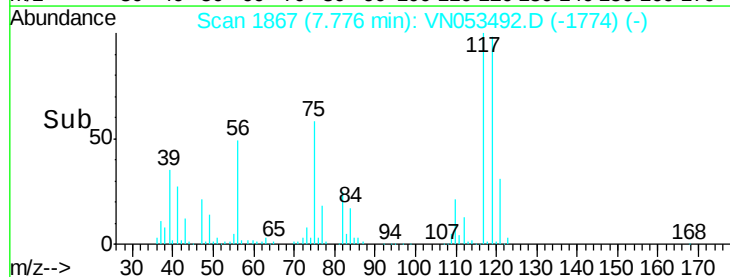
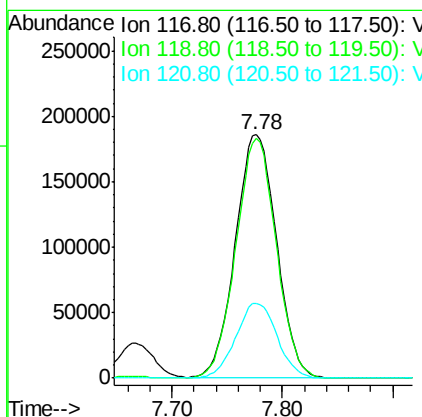
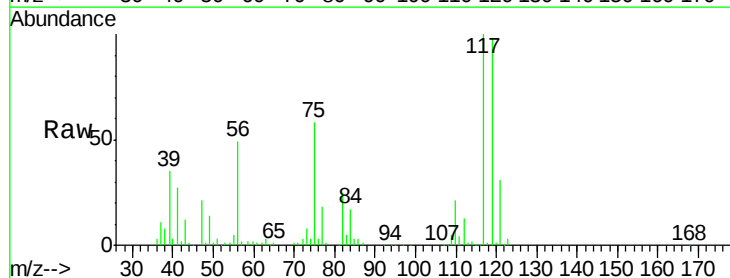
Manual Integrations  
APPROVED

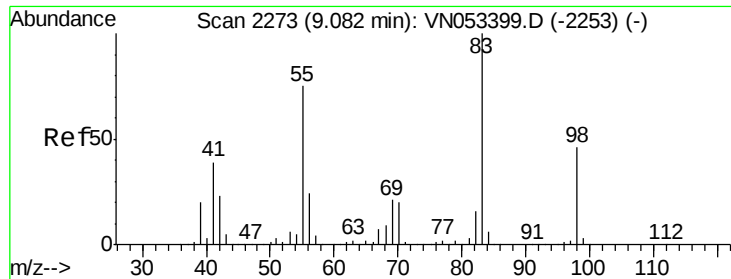
MMDadoda  
1/21/2019 10:48:44 AM



#38  
Carbon Tetrachloride  
Concen: 49.719 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 98.3  | 77.2  | 115.8 |
| 121     | 30.9  | 24.6  | 37.0  |





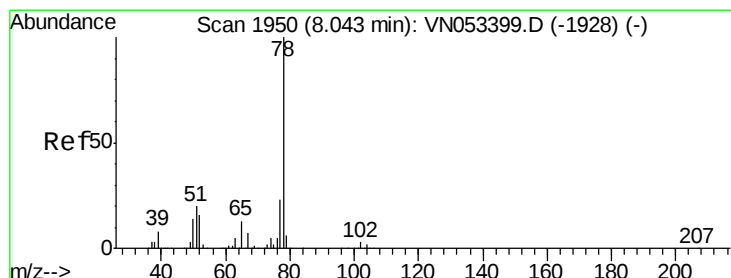
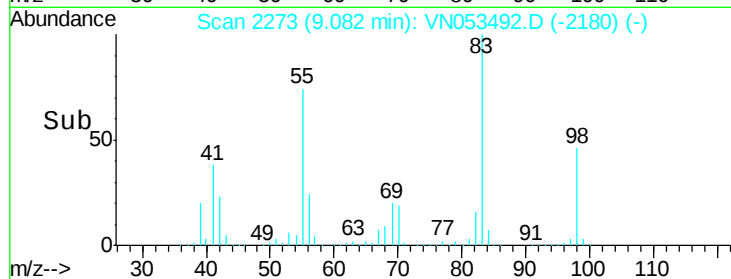
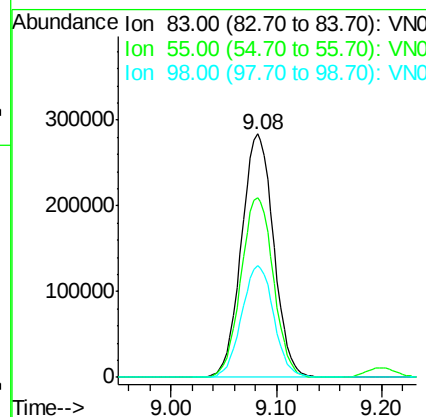
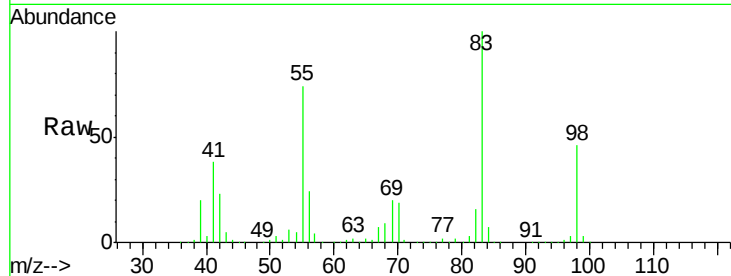
#39  
Methvlcvclohexane  
Concen: 47.741 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83   | Resp  | 602244 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 83        | 100  |       |        |
| 55        | 73.9 | 60.1  | 90.1   |
| 98        | 45.8 | 36.6  | 55.0   |

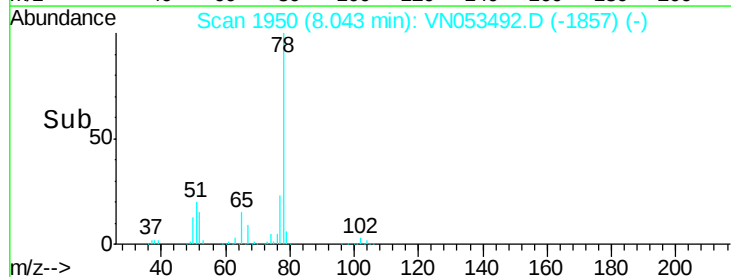
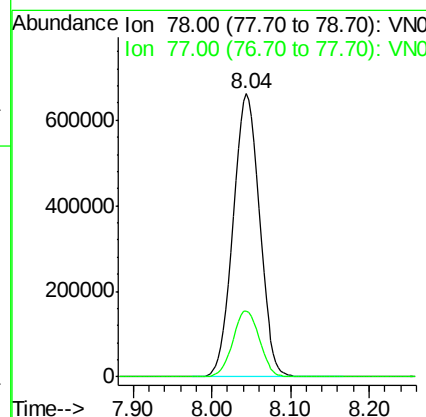
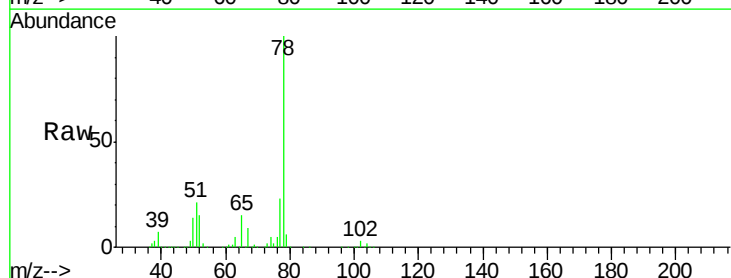
Manual Integrations  
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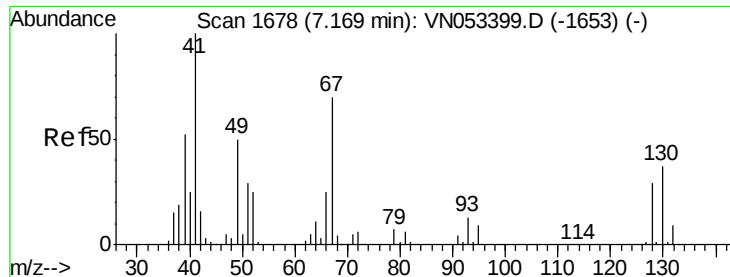
MMDadoda  
1/21/2019 10:48:44 AM



#40  
Benzene  
Concen: 49.788 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion   | 78   | Resp  | 1544167 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 78        | 100  |       |         |
| 77        | 23.5 | 18.8  | 28.2    |





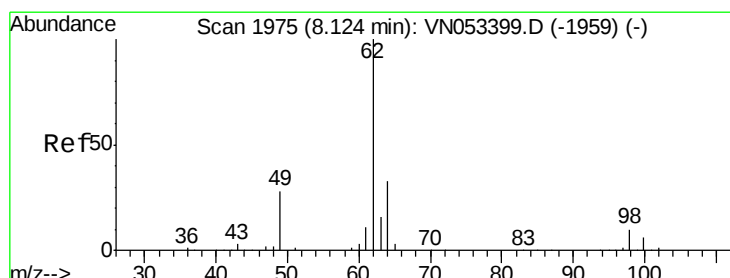
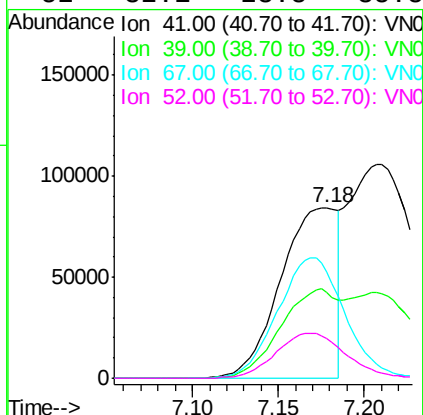
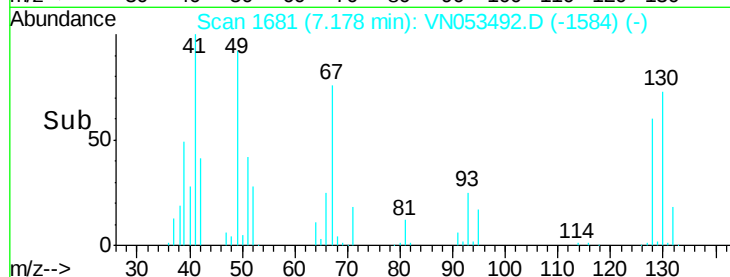
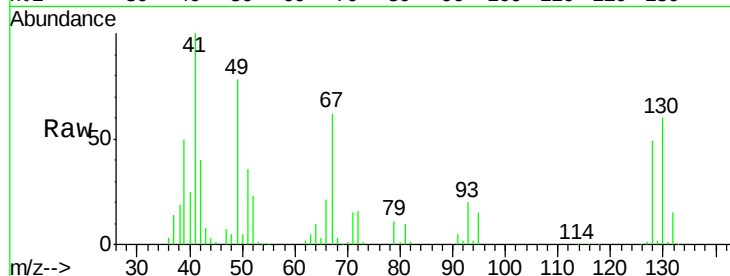
#41  
Methacrylonitrile  
Concen: 55.404 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 55.0 | 46.8  | 70.2  |       |
| 67      | 83.7 | 63.0  | 94.6  |       |
| 52      | 32.1 | 23.8  | 35.8  |       |

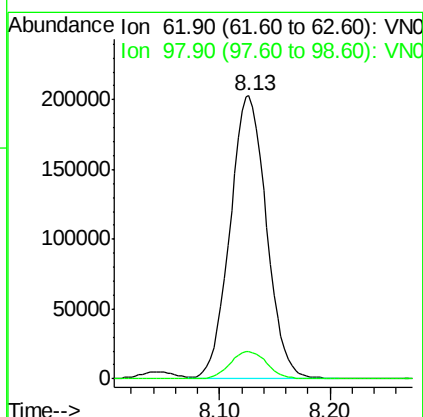
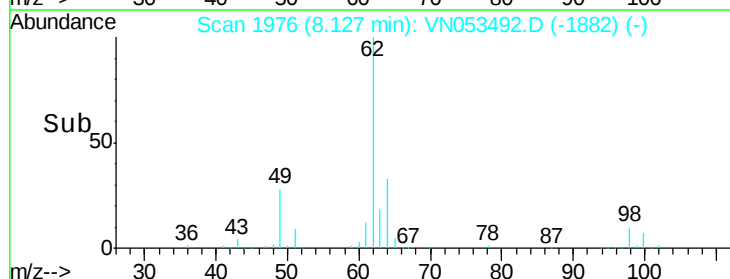
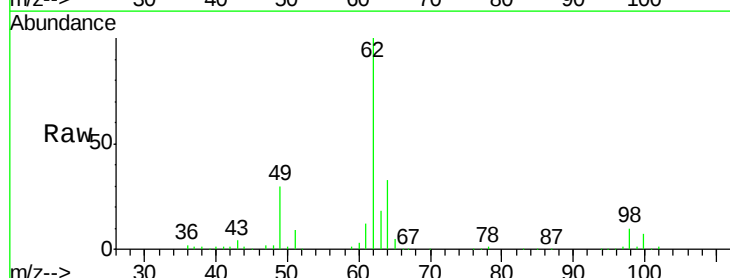
Manual Integrations  
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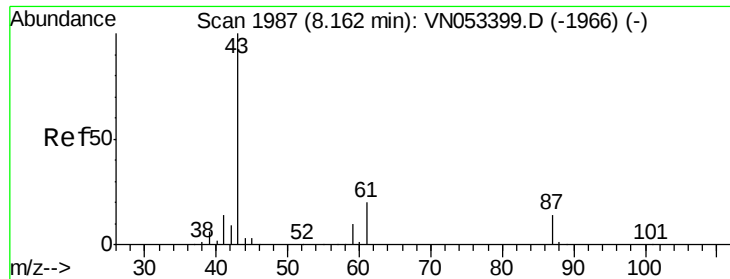
MMDadoda  
1/21/2019 10:48:44 AM



#42  
1,2-Dichloroethane  
Concen: 51.225 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 62      | 100 |       |       |       |
| 98      | 9.8 | 0.0   | 19.6  |       |





#43

Isopropyl Acetate

Concen: 58.804 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

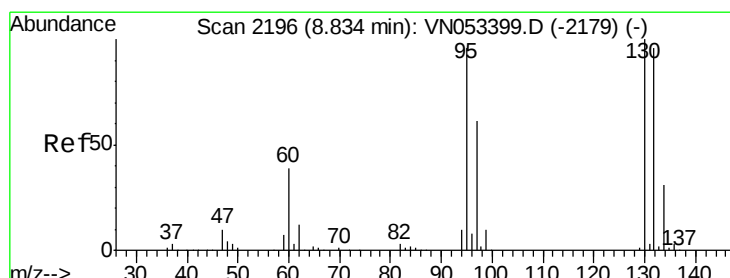
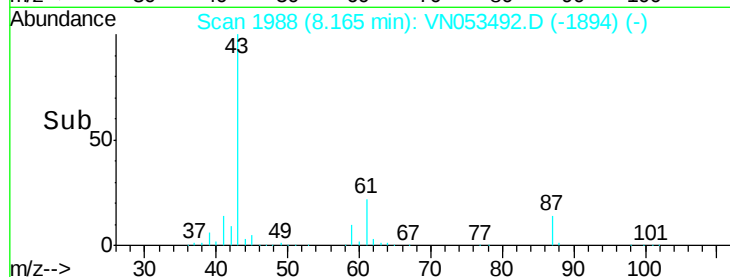
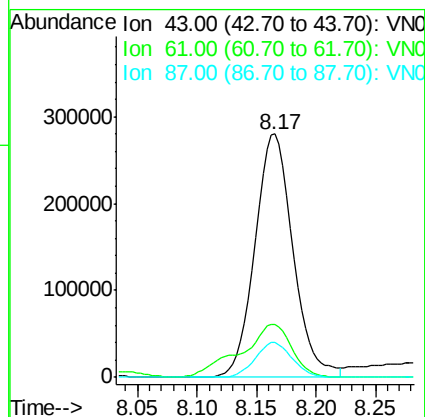
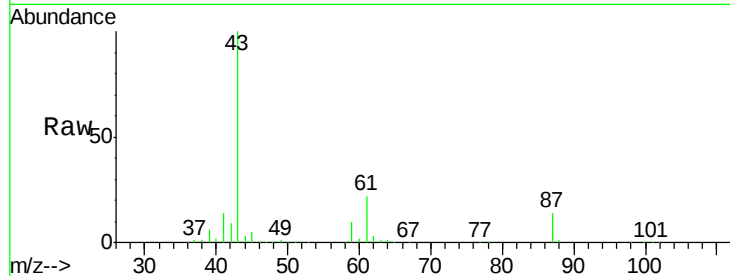
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 620875 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 29.1  | 23.9  | 35.9   |
| 87       | 13.9  | 11.0  | 16.6   |

Manual Integrations  
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MMDadoda  
1/21/2019 10:48:44 AM



#44

Trichloroethene

Concen: 49.966 ug/l

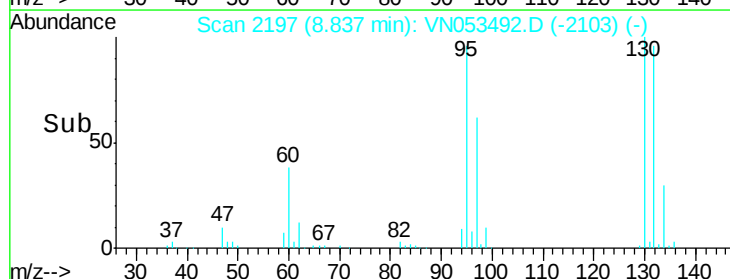
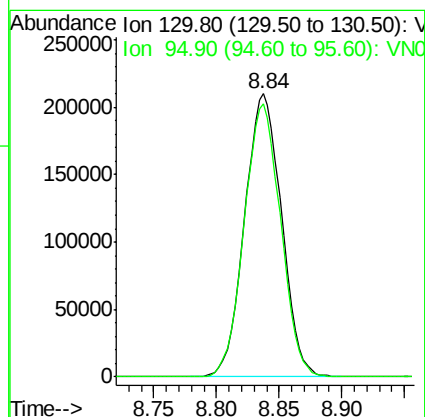
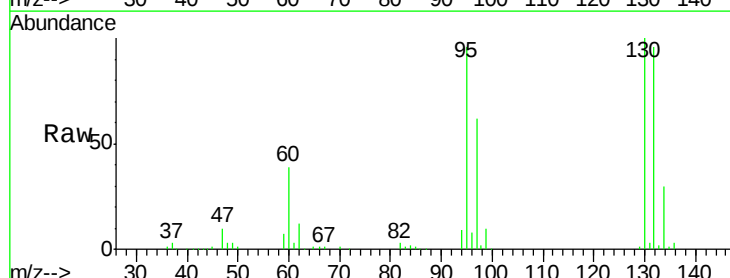
RT: 8.84 min Scan# 2197

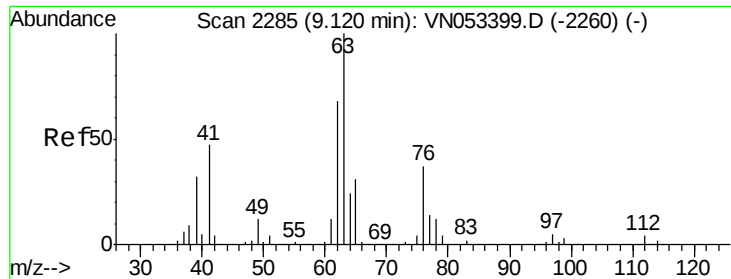
Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 429750 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 96.3  | 0.0   | 191.4  |





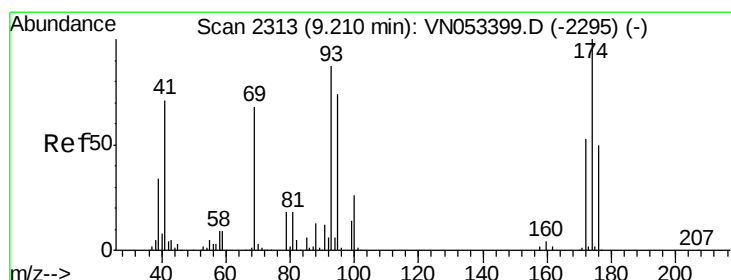
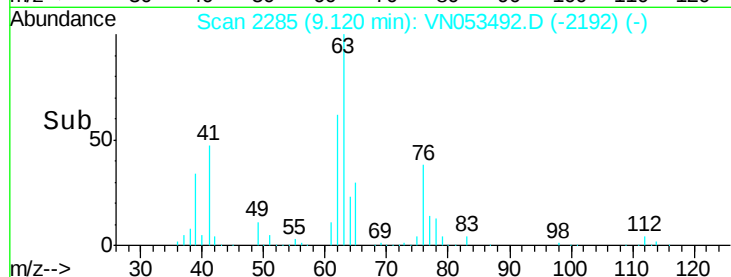
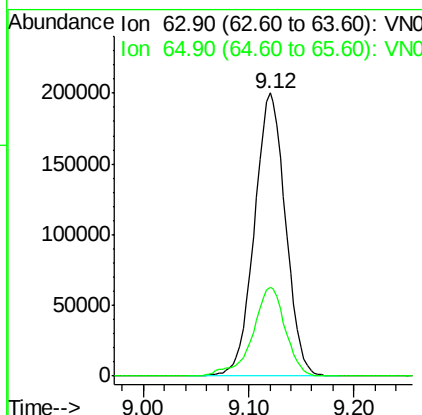
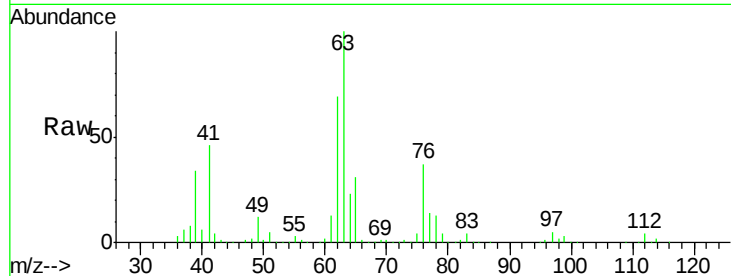
#45  
 1,2-Dichloropropane  
 Concen: 49.979 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 410571  
 Ion Ratio Lower Upper  
 63 100  
 65 31.4 25.0 37.4

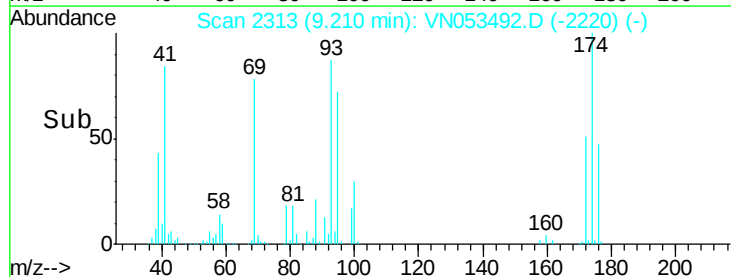
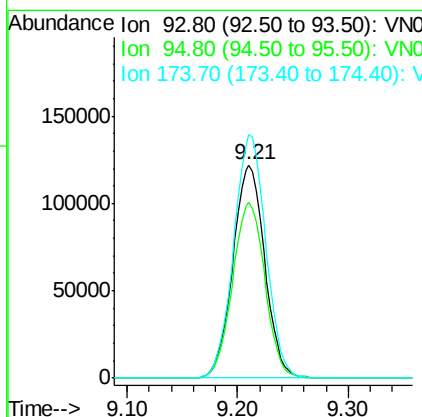
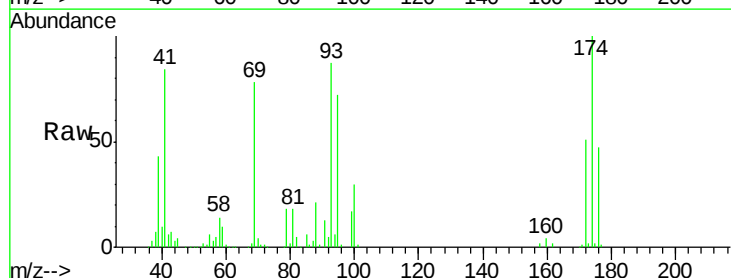
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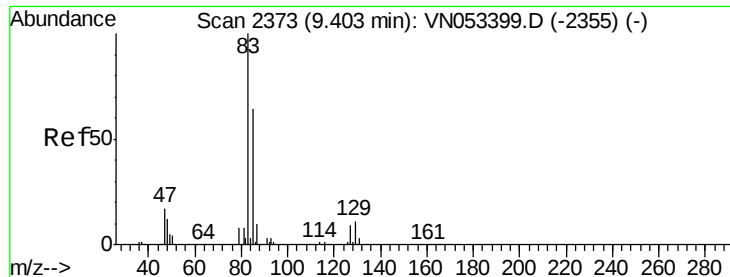
MMDadoda  
 1/21/2019 10:48:44 AM



#46  
 Dibromomethane  
 Concen: 51.805 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Tgt Ion: 93 Resp: 244505  
 Ion Ratio Lower Upper  
 93 100  
 95 83.7 67.3 100.9  
 174 115.4 91.0 136.4





#47

Bromodichloromethane

Concen: 50.805 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

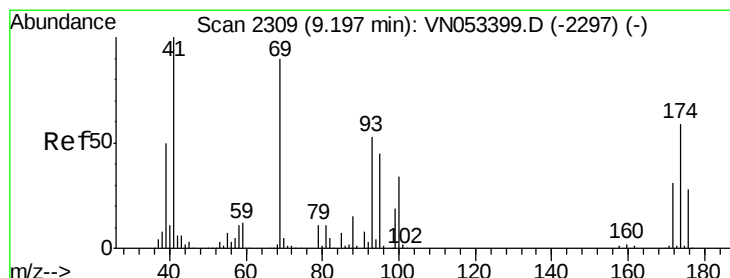
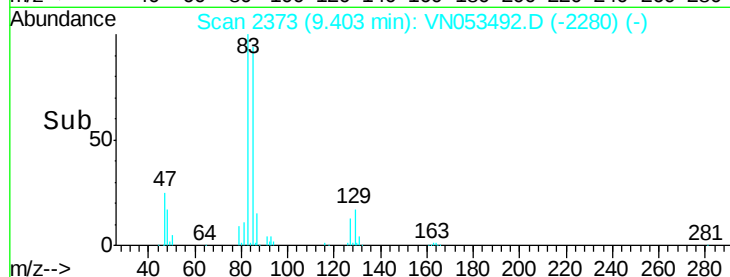
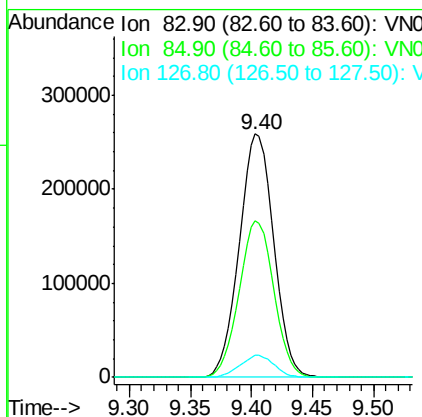
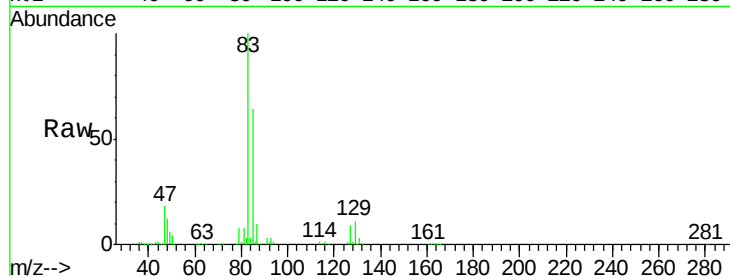
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 83    | Resp: | 504269 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.5  | 51.0  | 76.6   |
| 127      | 9.0   | 7.0   | 10.6   |

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MMDadoda  
1/21/2019 10:48:44 AM



#48

Methyl methacrylate

Concen: 56.194 ug/l

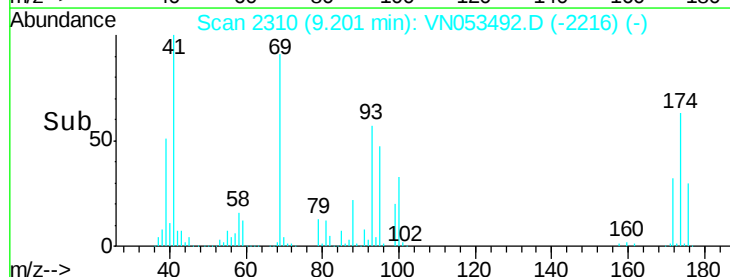
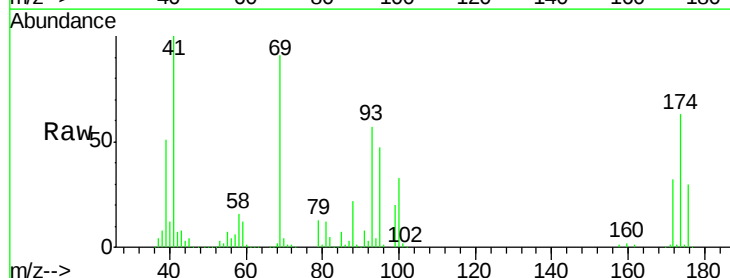
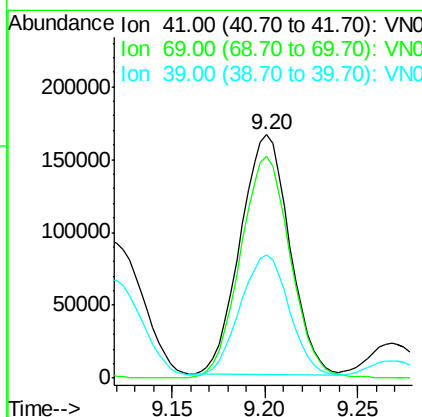
RT: 9.20 min Scan# 2310

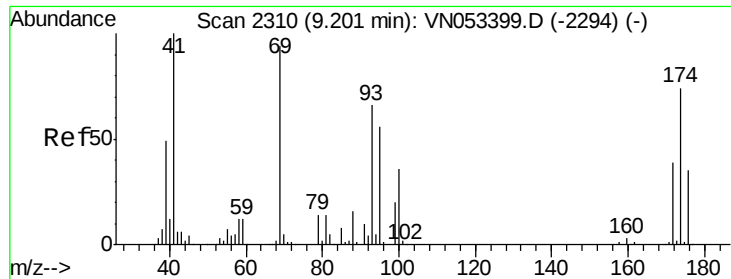
Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 306343 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 69       | 93.9  | 73.8  | 110.6  |
| 39       | 52.2  | 40.0  | 60.0   |





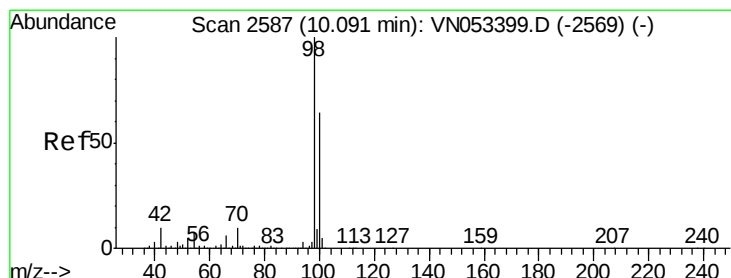
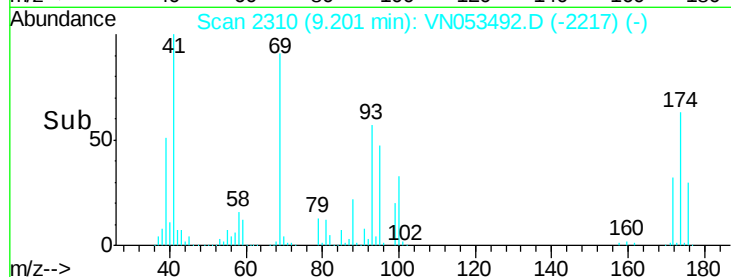
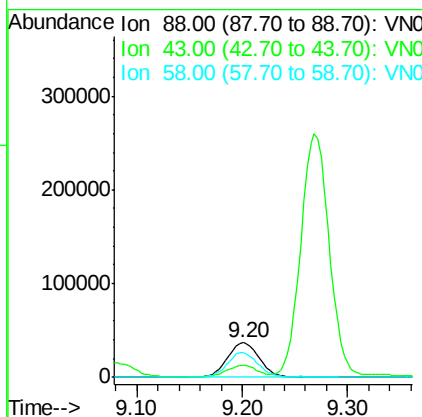
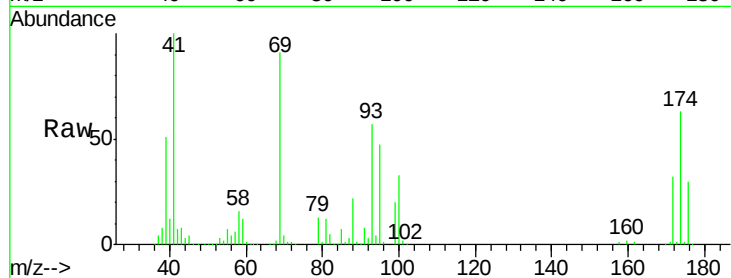
#49  
1,4-Dioxane  
Concen: 1476.417 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 88    | Resp  | 78606 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 30.4  | 27.8  | 41.6  |
| 58      | 68.0  | 56.5  | 84.7  |

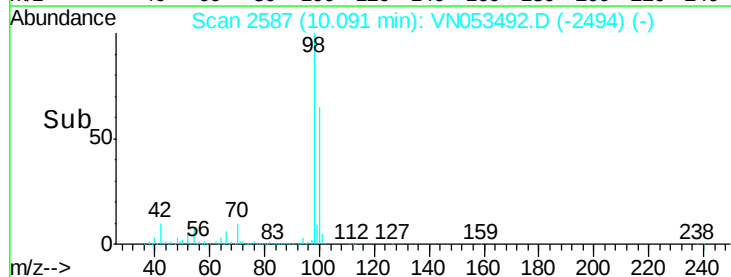
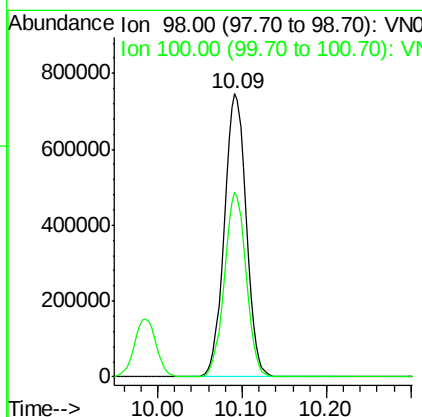
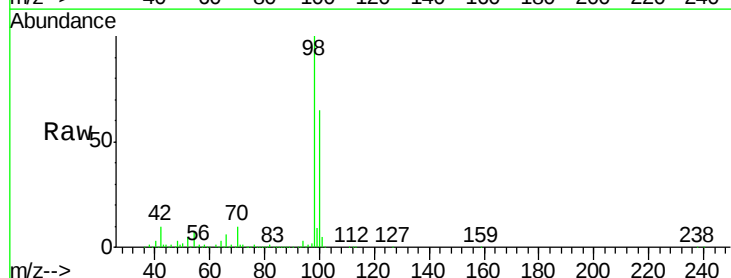
Manual Integrations  
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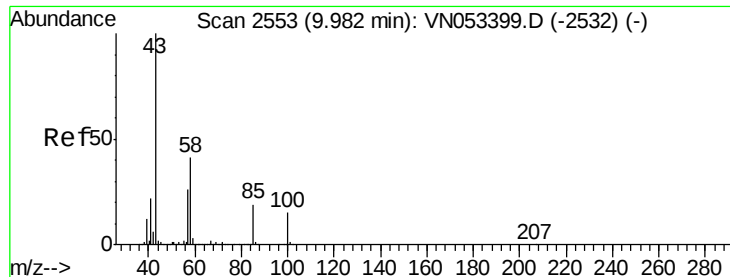
MMDadoda  
1/21/2019 10:48:44 AM



#50  
Toluene-d8  
Concen: 1476.417 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | 98    | Resp  | 1342616 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 64.5  | 51.4  | 77.0    |





#51

4-Methyl-2-Pentanone

Concen: 302.375 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1742813

Ion Ratio Lower Upper

43 100

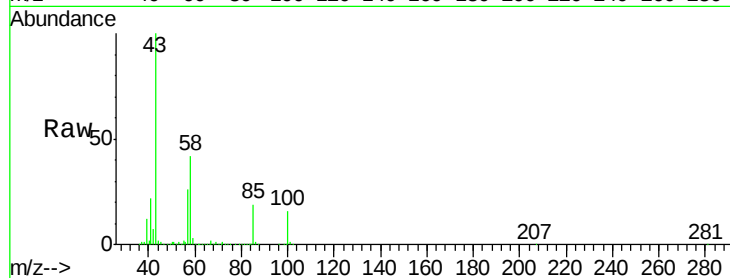
58 41.4 32.8 49.2

Manual Integrations

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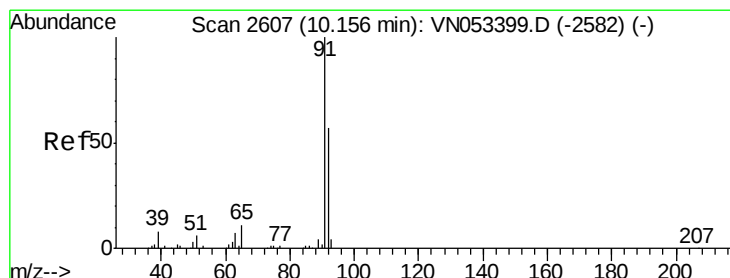
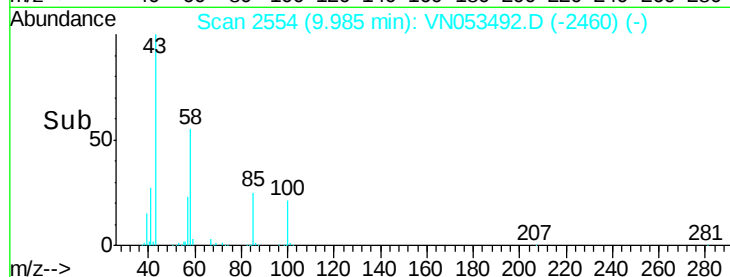
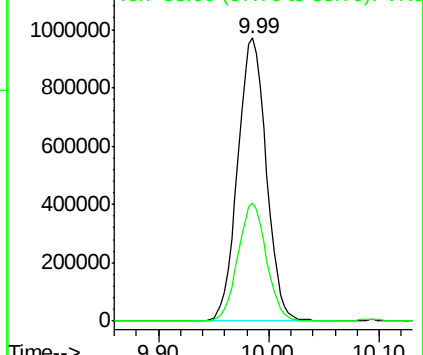
MMDadoda

1/21/2019 10:48:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.522 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053492.D

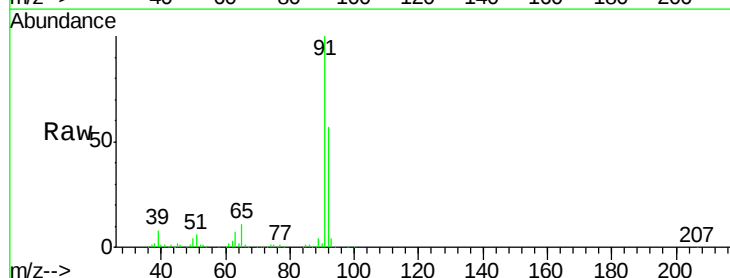
Acq: 19 Jan 2019 00:12

Tgt Ion: 92 Resp: 953518

Ion Ratio Lower Upper

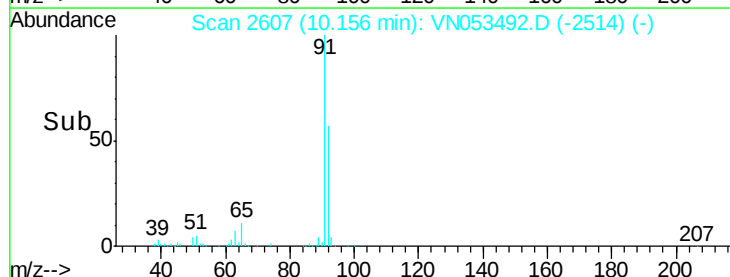
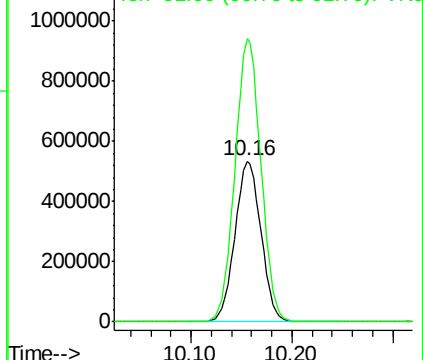
92 100

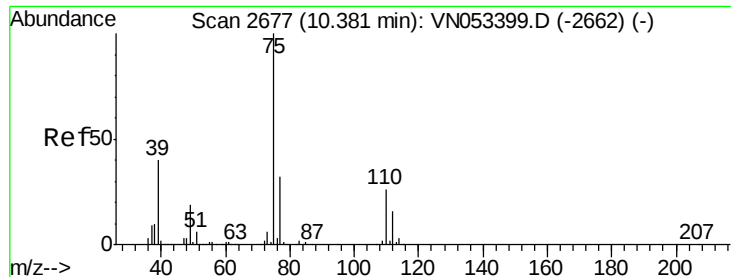
91 175.9 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





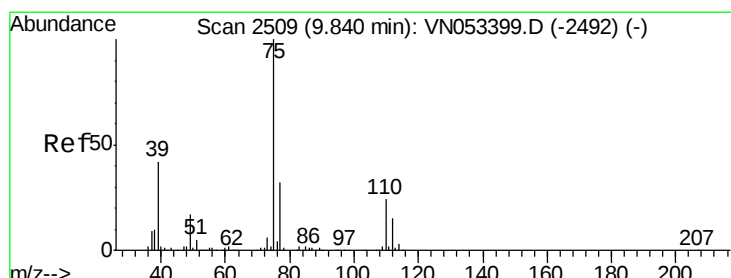
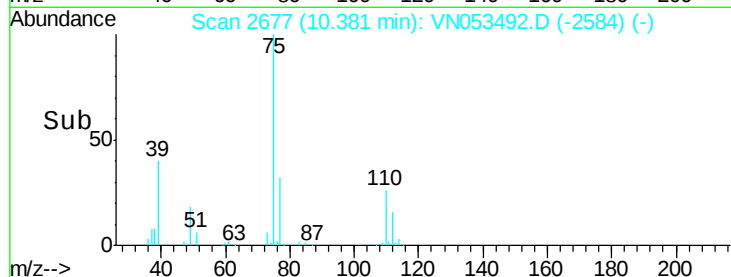
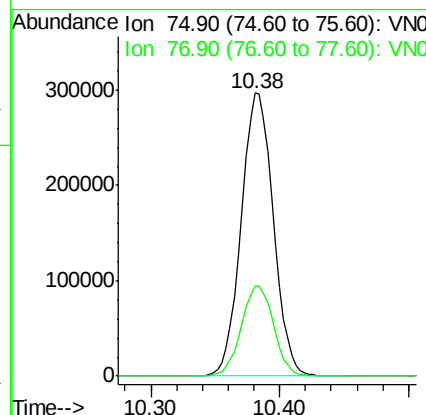
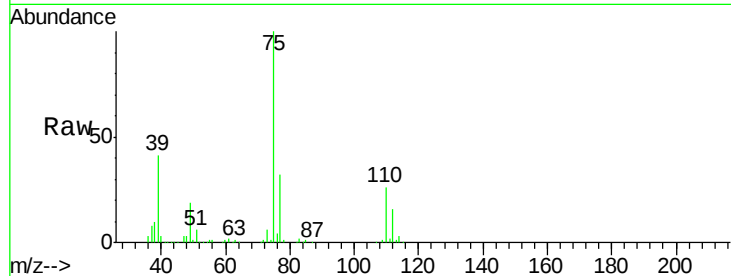
#53  
t-1,3-Dichloropropene  
Concen: 51.196 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.5  | 38.3  |

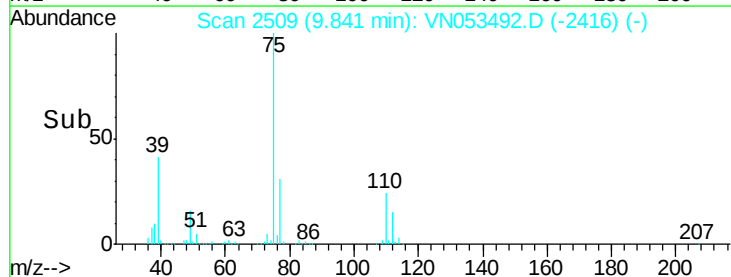
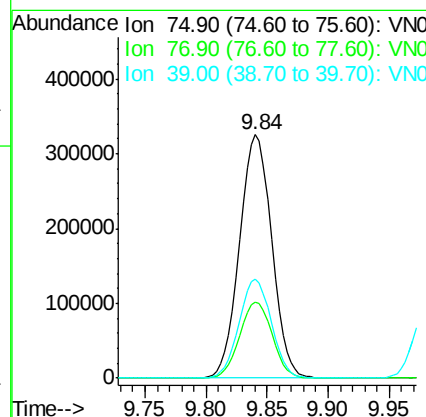
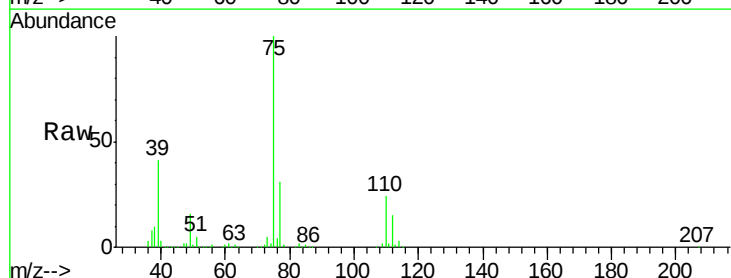
Manual Integrations  
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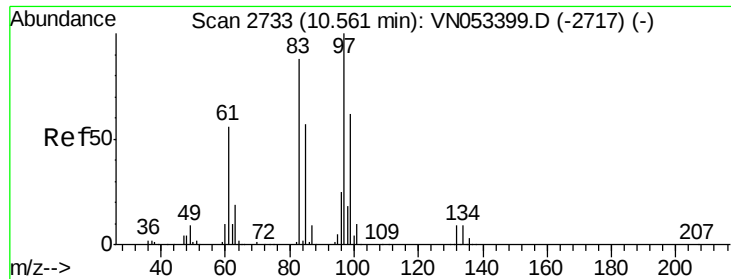
MMDadoda  
1/21/2019 10:48:44 AM



#54  
cis-1,3-Dichloropropene  
Concen: 50.601 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.2  | 25.8  | 38.6  |
| 39      | 40.8  | 33.4  | 50.0  |





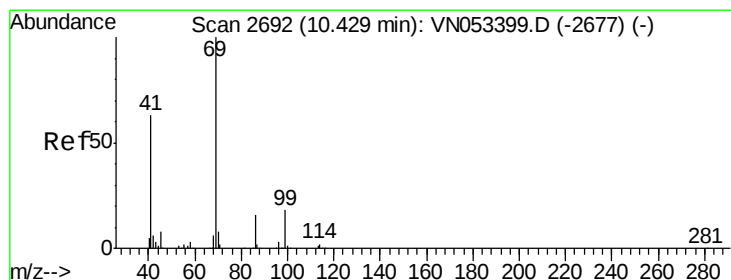
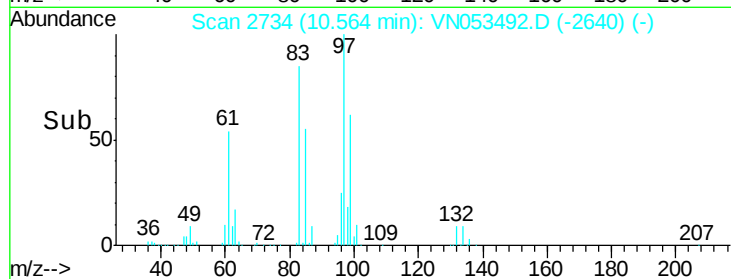
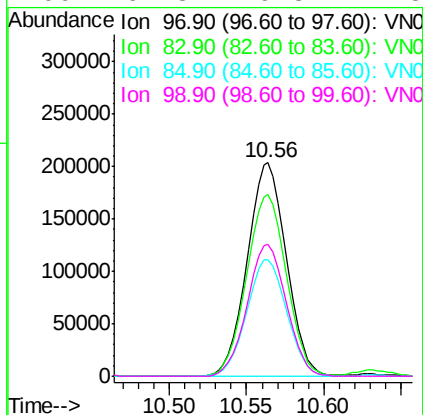
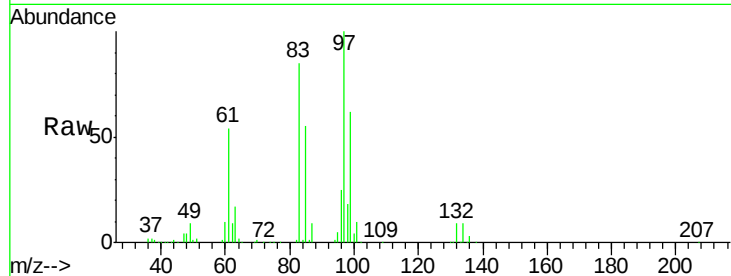
#55  
 1,1,2-Trichloroethane  
 Concen: 54.094 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 359092 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.3  | 70.1  | 105.1  |
| 85       | 54.6  | 45.4  | 68.0   |
| 99       | 61.8  | 49.8  | 74.8   |

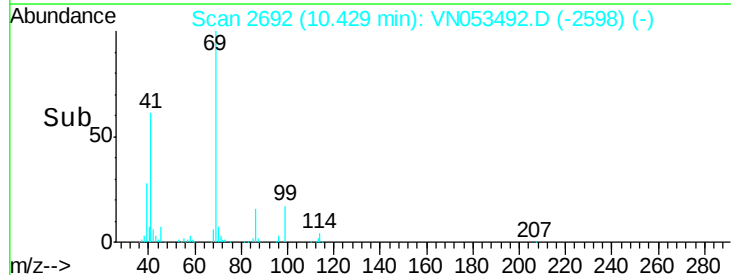
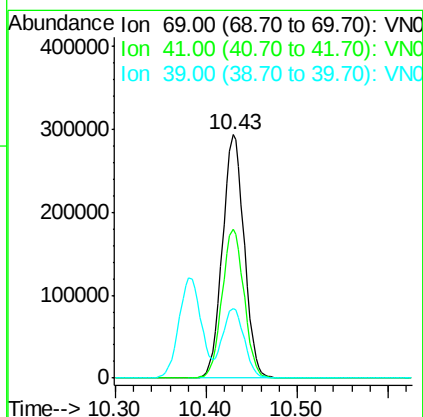
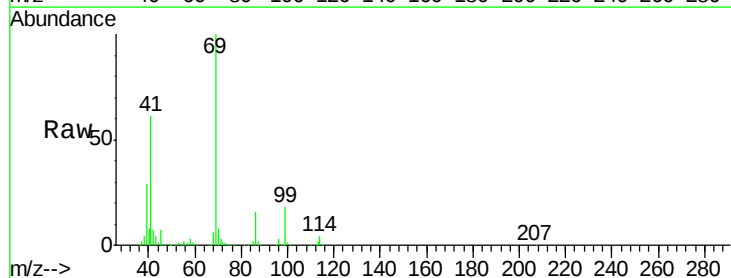
Manual Integrations  
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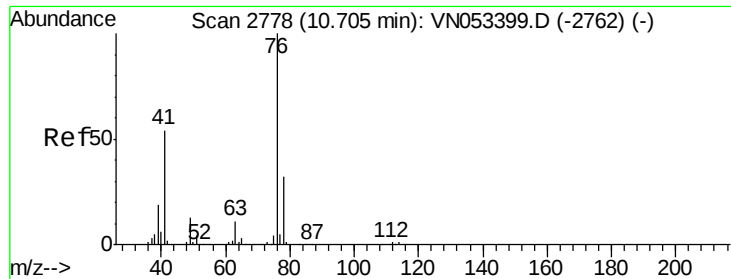
MMDadoda  
 1/21/2019 10:48:44 AM



#56  
 Ethyl methacrylate  
 Concen: 51.767 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 488404 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 61.2  | 49.4  | 74.0   |
| 39       | 28.9  | 23.3  | 34.9   |





#57

1,3-Dichloropropane

Concen: 52.539 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 603334

Ion Ratio Lower Upper

76 100

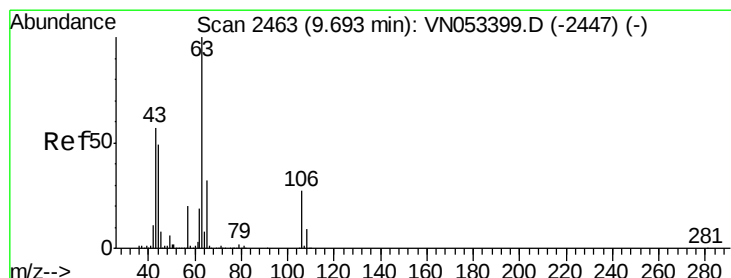
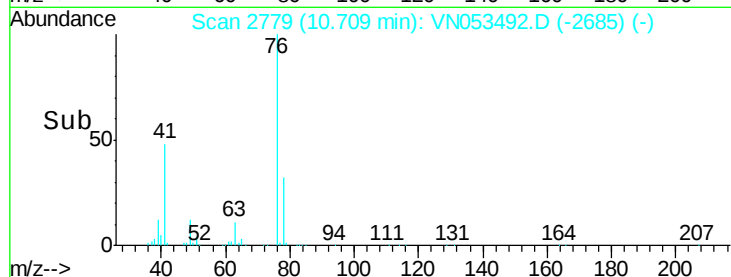
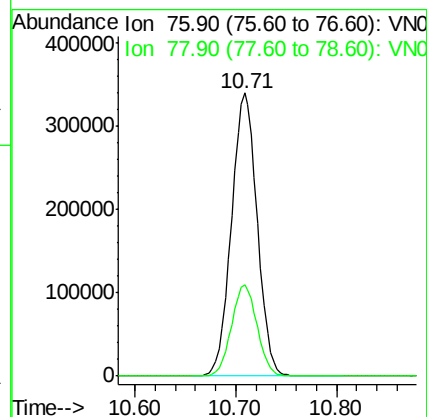
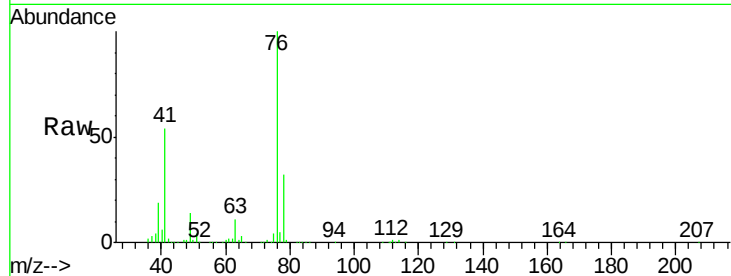
78 32.2 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 273.912 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053492.D

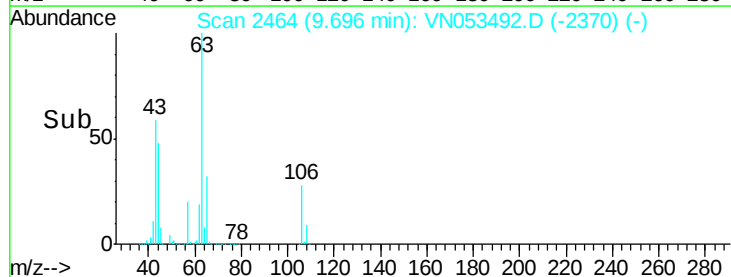
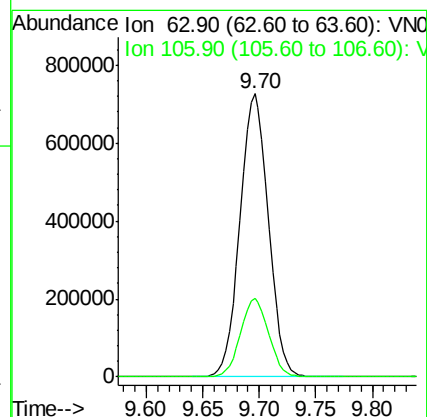
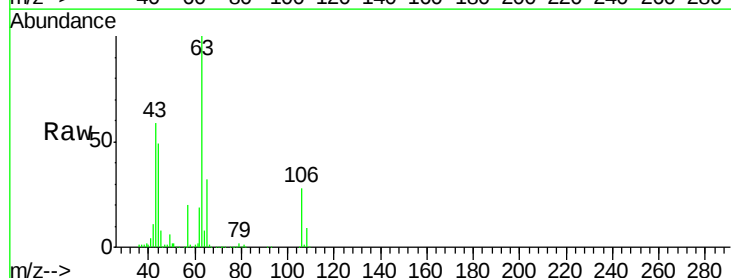
Acq: 19 Jan 2019 00:12

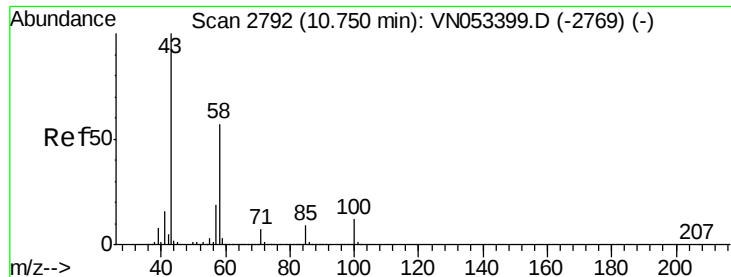
Tgt Ion: 63 Resp: 1272062

Ion Ratio Lower Upper

63 100

106 27.5 21.5 32.3





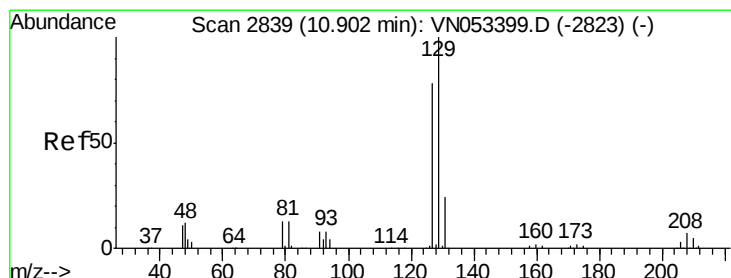
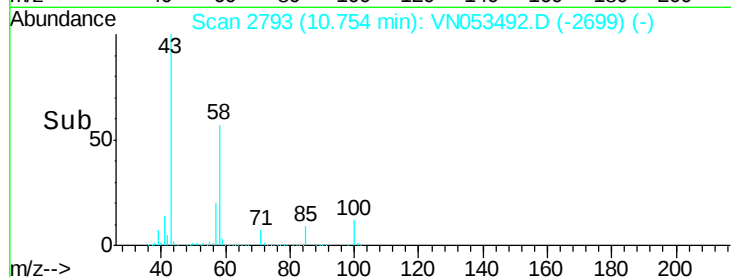
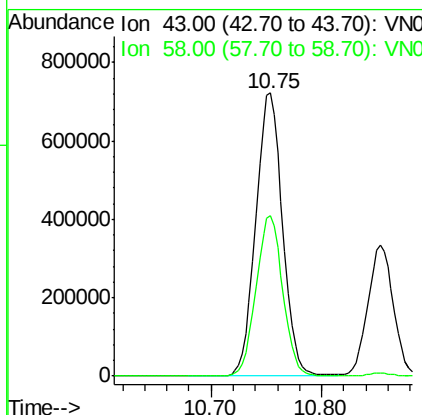
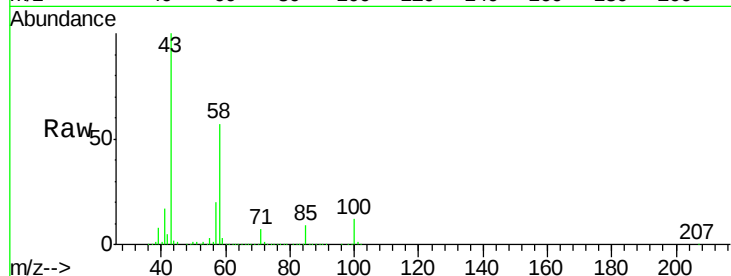
#59  
2-Hexanone  
Concen: 299.432 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 1211530  
Ion Ratio Lower Upper  
43 100  
58 56.7 28.6 85.8

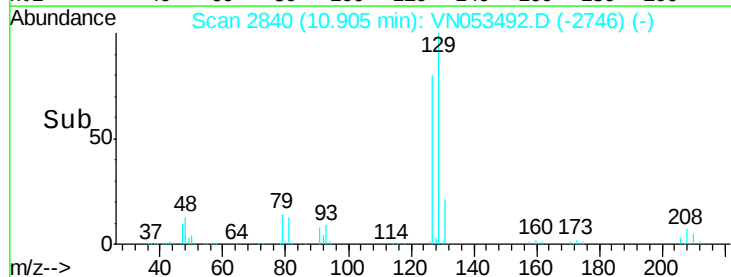
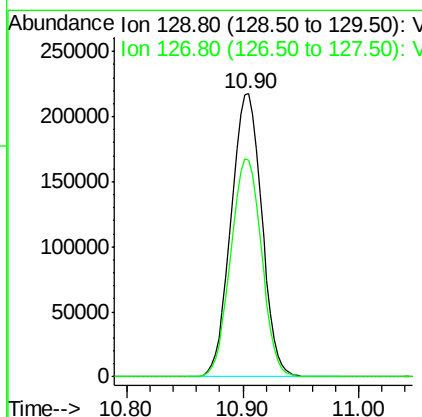
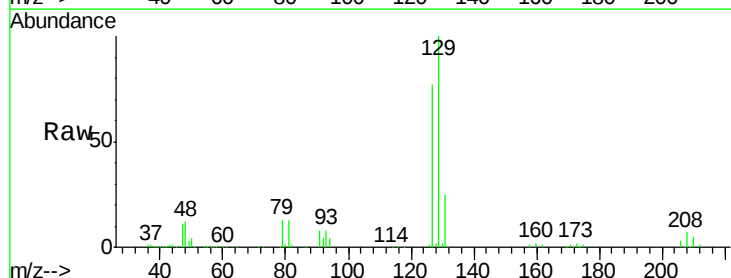
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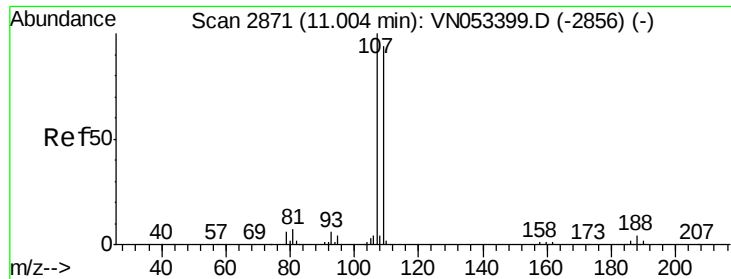
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 52.990 ug/l  
RT: 10.90 min Scan# 2840  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Tgt Ion: 129 Resp: 398972  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.6 115.8





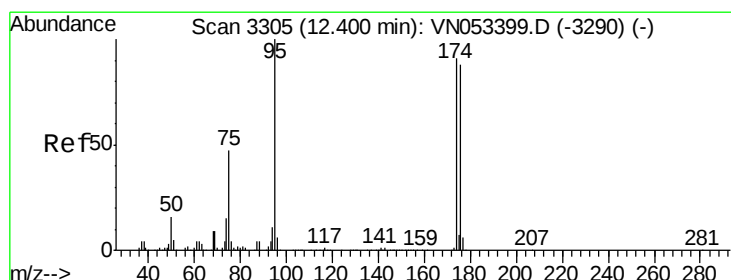
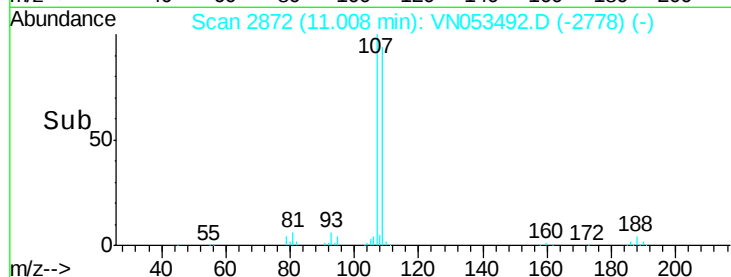
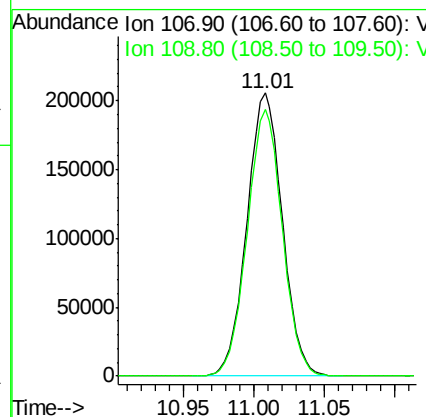
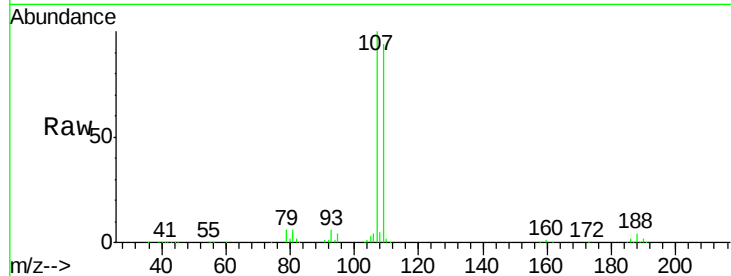
#61  
 1,2-Dibromoethane  
 Concen: 53.934 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 107 Resp: 362092  
 Ion Ratio Lower Upper  
 107 100  
 109 93.4 75.7 113.5

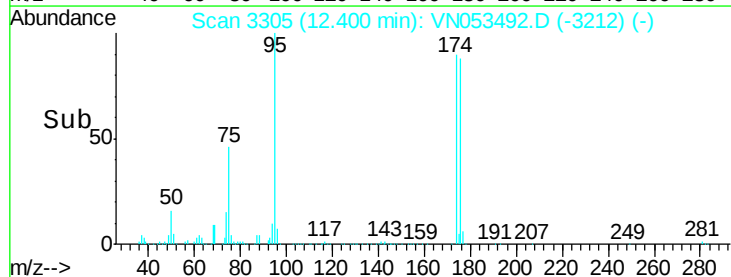
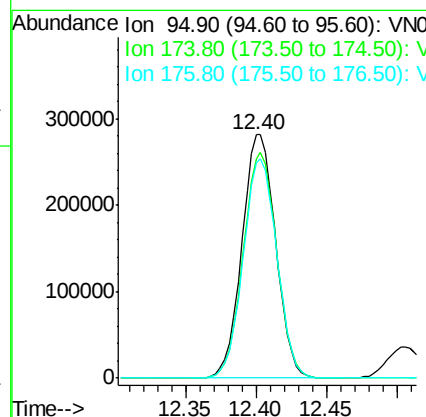
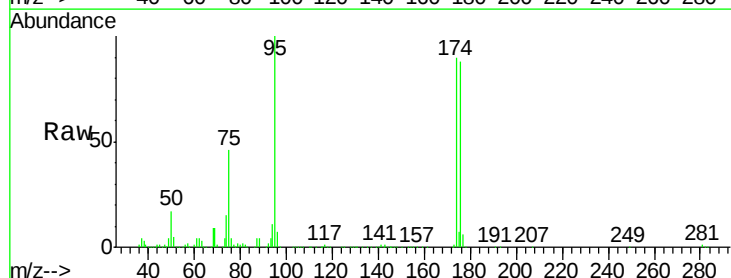
Manual Integrations  
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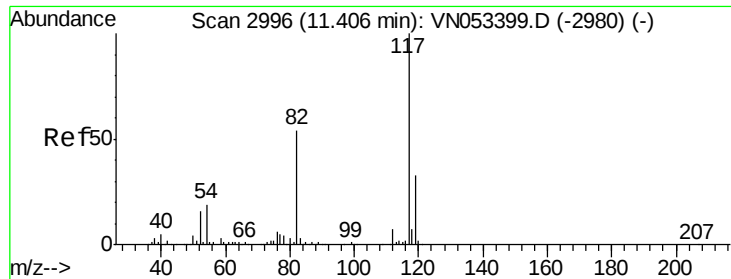
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 1/21/2019 10:48:44 AM



#62  
 4-Bromofluorobenzene  
 Concen: 53.934 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Tgt Ion: 95 Resp: 471494  
 Ion Ratio Lower Upper  
 95 100  
 174 92.4 0.0 183.2  
 176 90.2 0.0 177.4





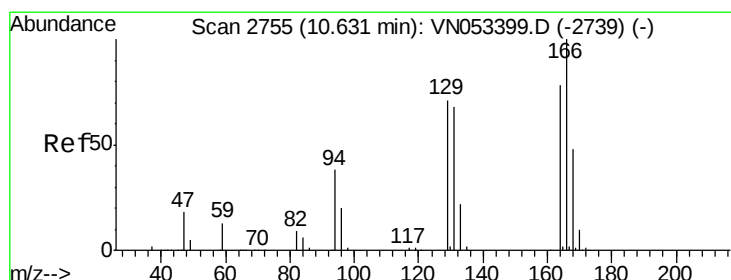
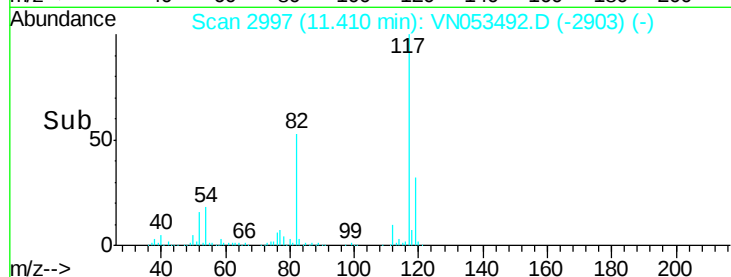
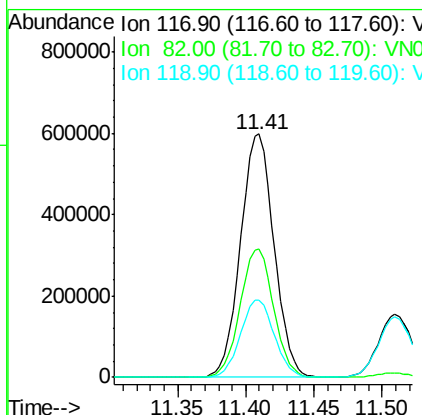
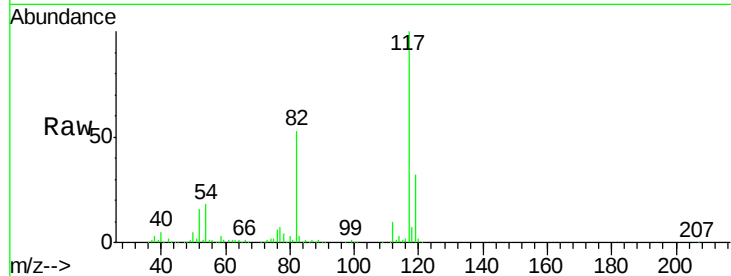
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:117 Resp: 1020476  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.9 64.3  
119 31.8 26.0 39.0

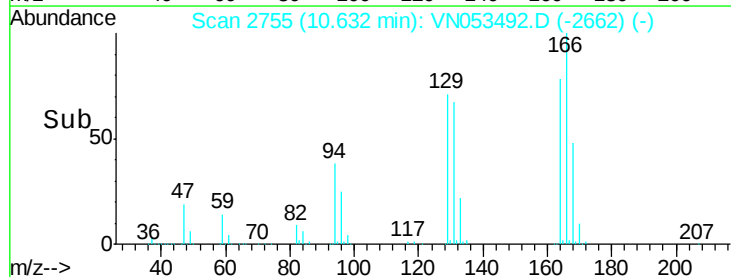
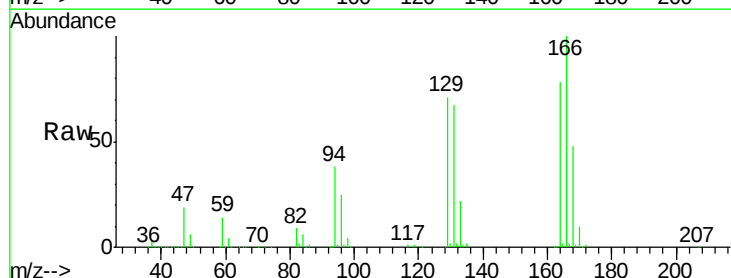
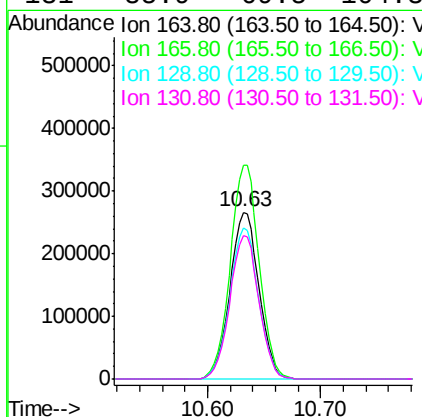
Manual Integrations  
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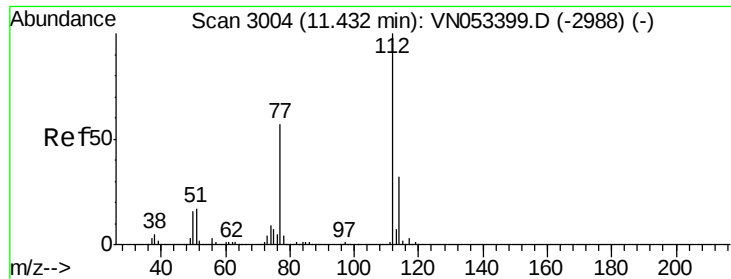
MMDadoda  
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#64  
Tetrachloroethene  
Concen: 49.286 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Tgt Ion:164 Resp: 473973  
Ion Ratio Lower Upper  
164 100  
166 128.0 102.2 153.4  
129 90.6 72.6 109.0  
131 85.9 69.5 104.3





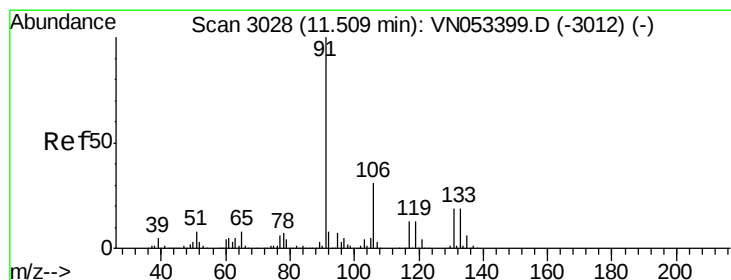
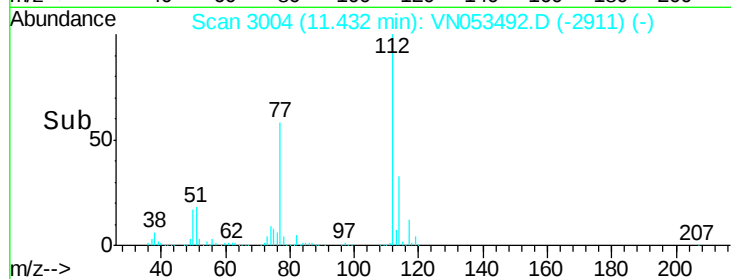
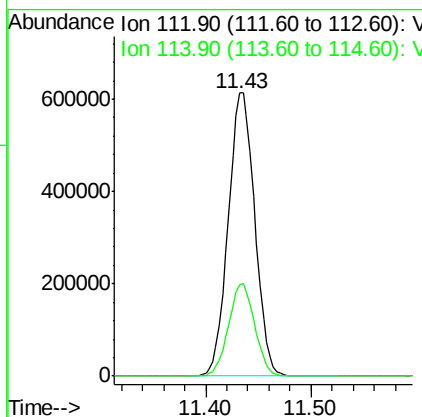
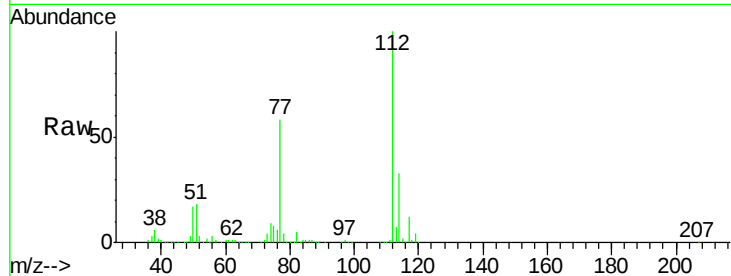
#65  
Chlorobenzene  
Concen: 49.337 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 1065687  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.3 37.9

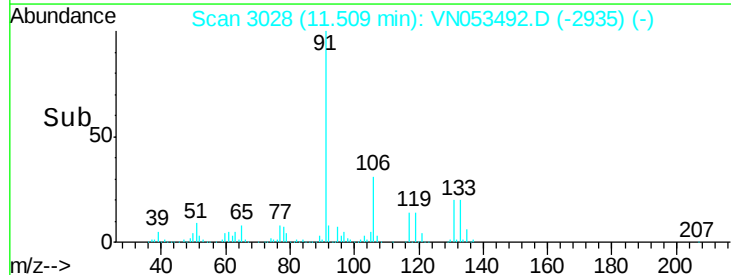
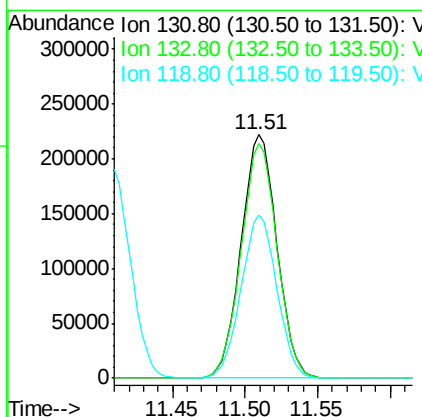
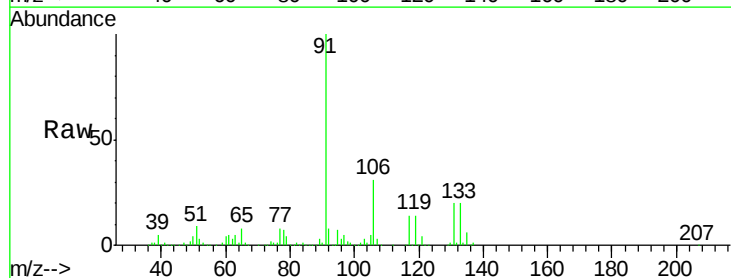
Manual Integrations  
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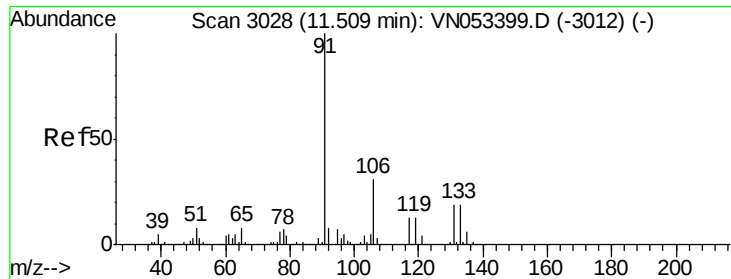
MMDadoda  
1/21/2019 10:48:44 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.718 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Tgt Ion:131 Resp: 381115  
Ion Ratio Lower Upper  
131 100  
133 96.5 48.0 144.0  
119 66.9 33.5 100.5





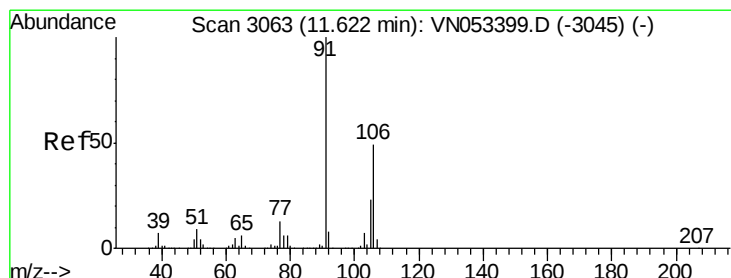
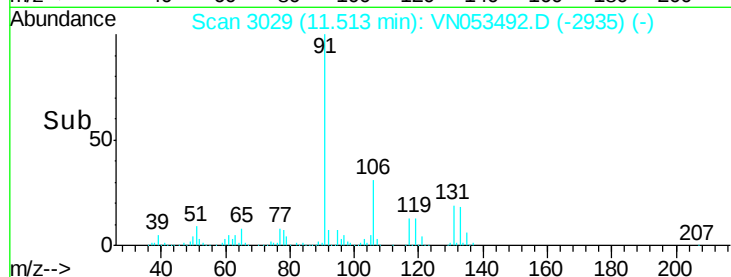
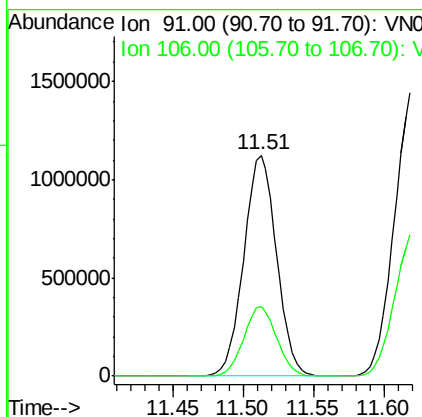
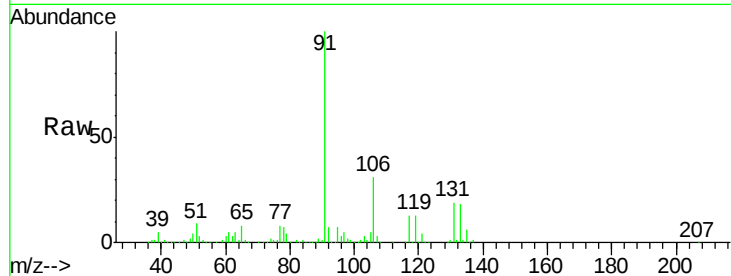
#67  
Ethyl Benzene  
Concen: 49.700 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1829561  
Ion Ratio Lower Upper  
91 100  
106 31.4 25.0 37.6

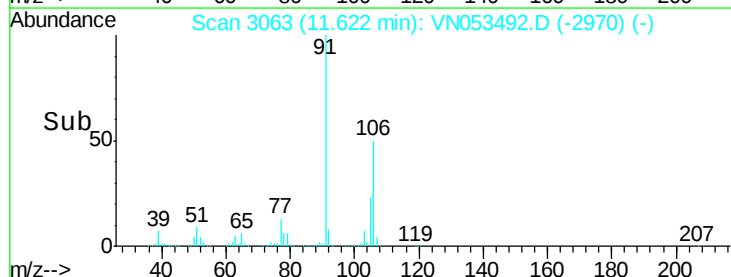
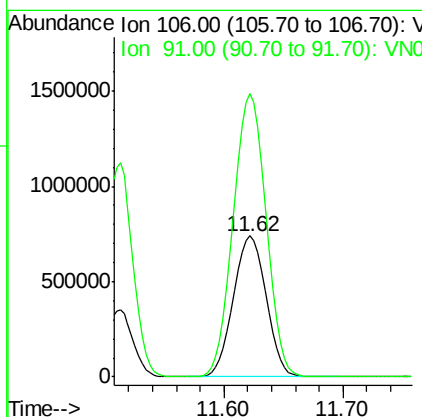
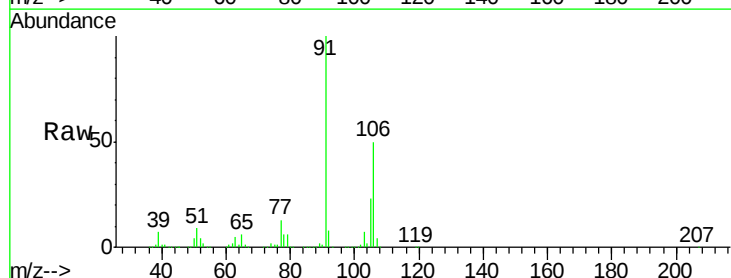
Manual Integrations  
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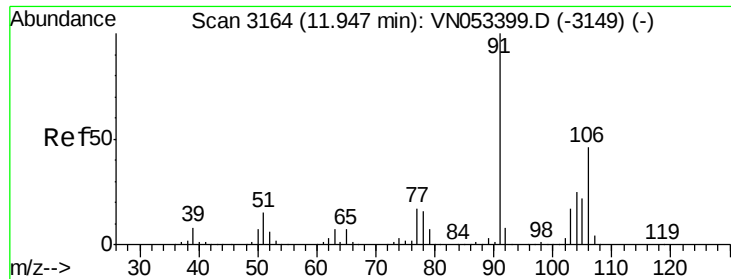
MMDadoda  
1/21/2019 10:48:44 AM



#68  
m/p-Xylenes  
Concen: 101.901 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Tgt Ion: 106 Resp: 1416269  
Ion Ratio Lower Upper  
106 100  
91 200.7 161.4 242.2





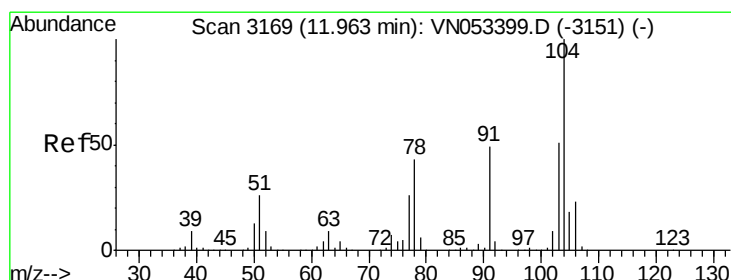
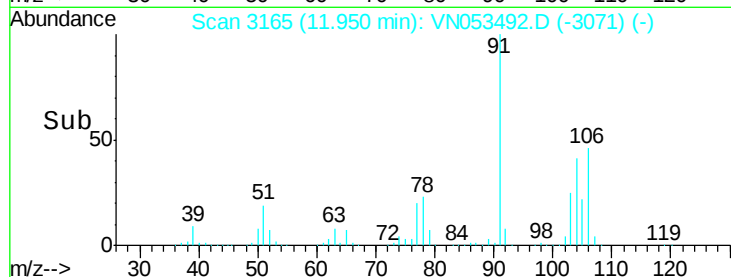
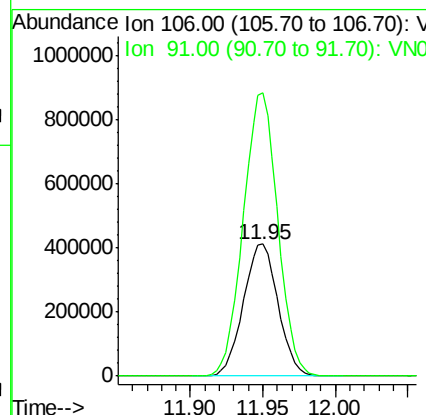
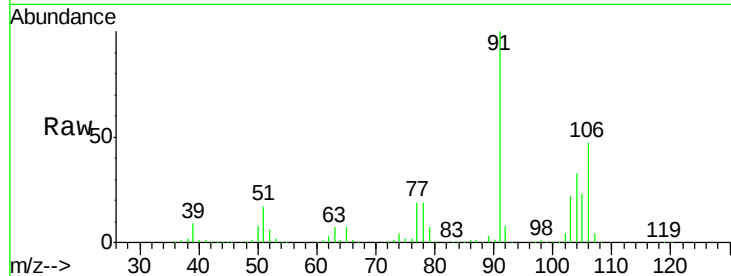
#69  
o-Xylene  
Concen: 50.883 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleID :  
VSTDCCC050EC

Tot Ion:106 Resp: 687176  
Ion Ratio Lower Upper  
106 100  
91 212.6 106.9 320.8

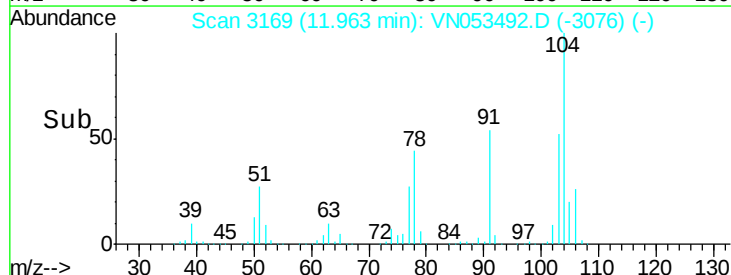
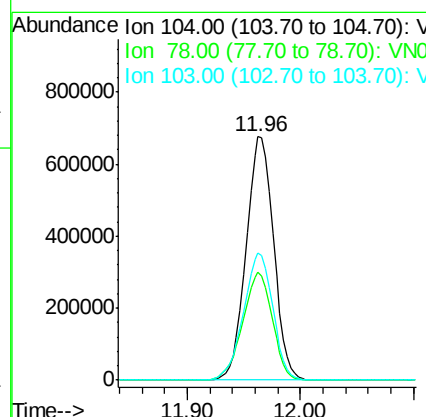
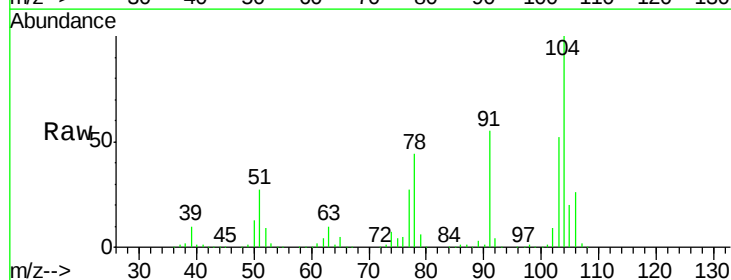
Manual Integrations  
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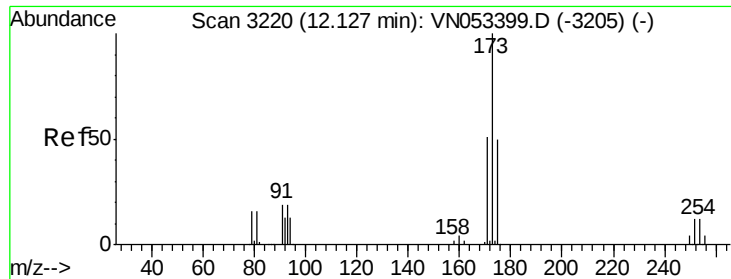
MMDadoda  
1/21/2019 10:48:44 AM



#70  
Styrene  
Concen: 52.296 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Tgt Ion:104 Resp: 1146253  
Ion Ratio Lower Upper  
104 100  
78 47.8 38.2 57.2  
103 55.6 44.4 66.6





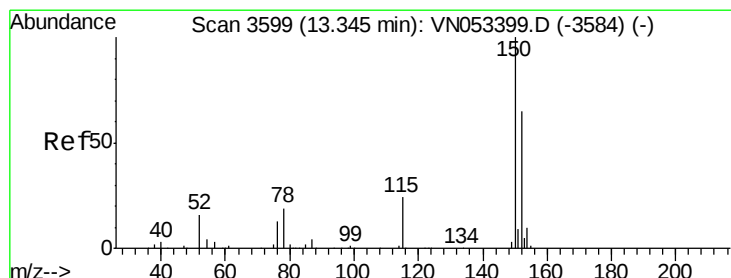
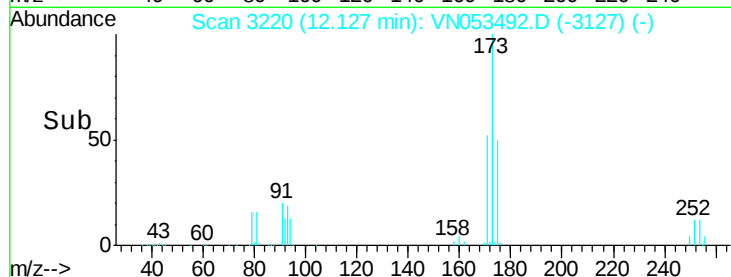
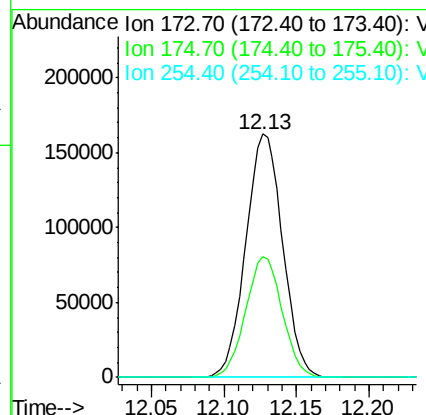
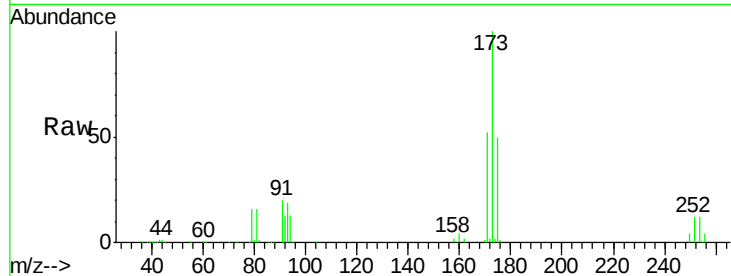
#71  
Bromoform  
Concen: 55.562 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.0  | 24.6  | 74.0  |
| 254     | 0.1   | 0.2   | 0.2   |

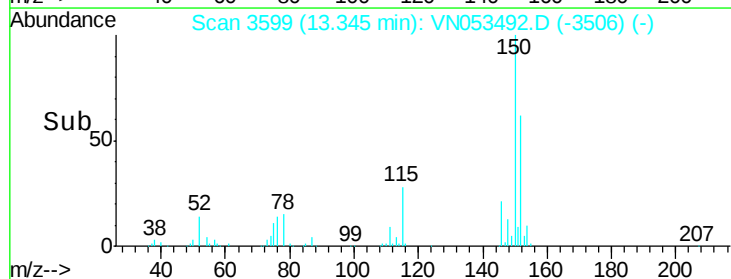
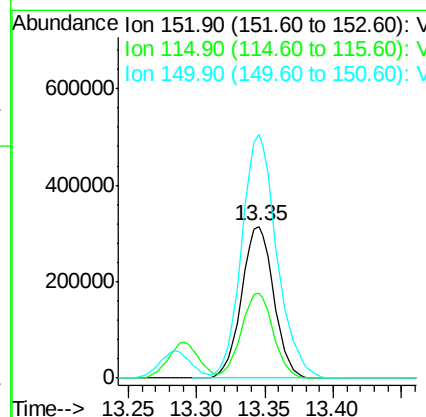
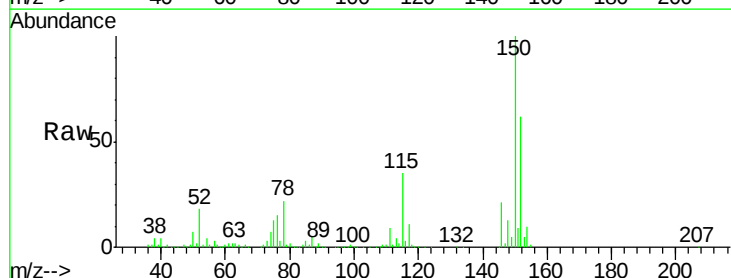
Manual Integrations  
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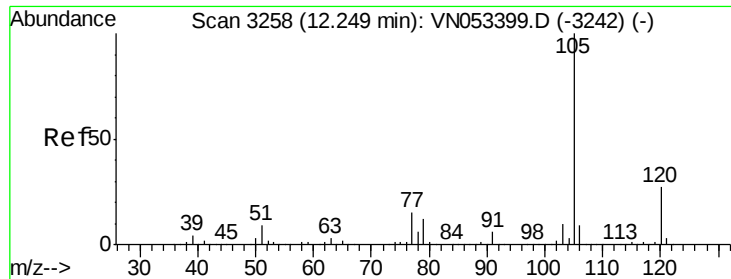
MMDadoda  
1/21/2019 10:48:44 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.8  | 27.8  | 83.4  |
| 150     | 175.4 | 0.0   | 349.0 |





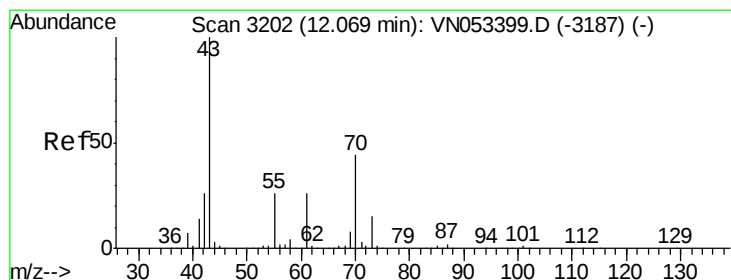
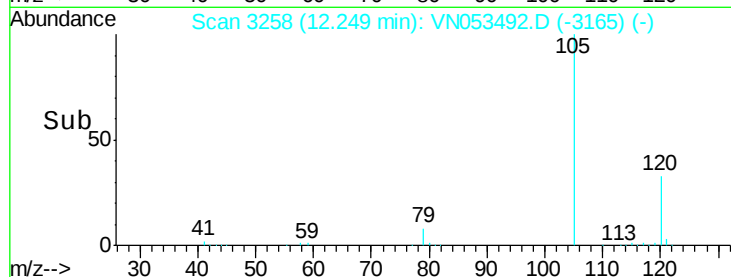
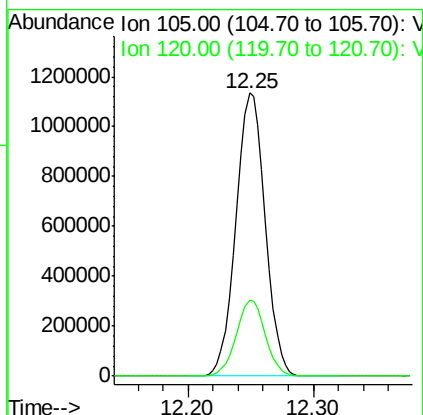
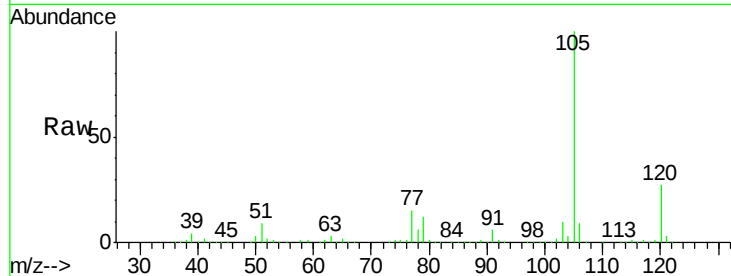
#73  
Isopropylbenzene  
Concen: 48.749 ug/l  
RT: 12.25 min Scan# 3258  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 105 Resp: 1835010  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.6 40.7

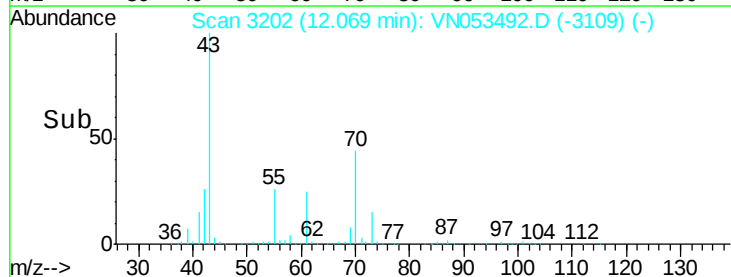
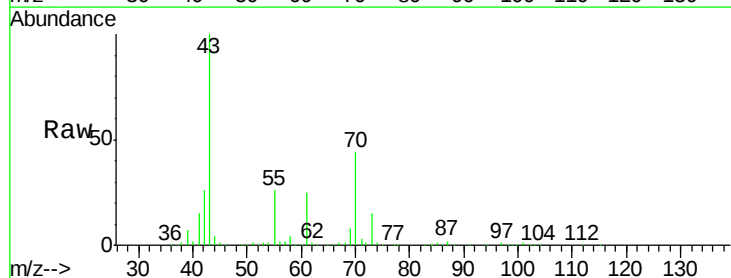
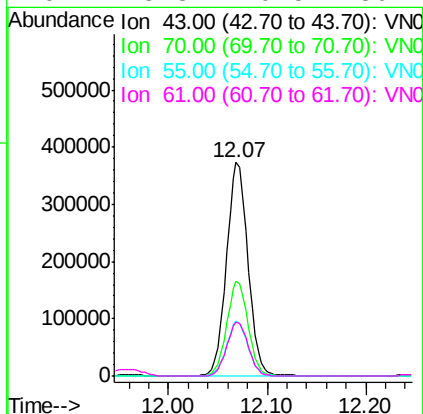
Manual Integrations  
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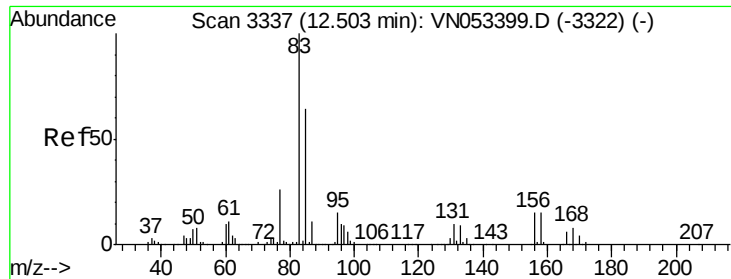
MMDadoda  
1/21/2019 10:48:44 AM



#74  
N-ethyl acetate  
Concen: 56.886 ug/l  
RT: 12.07 min Scan# 3202  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Tgt Ion: 43 Resp: 570814  
Ion Ratio Lower Upper  
43 100  
70 44.3 35.4 53.2  
55 25.8 20.9 31.3  
61 25.3 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.537 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

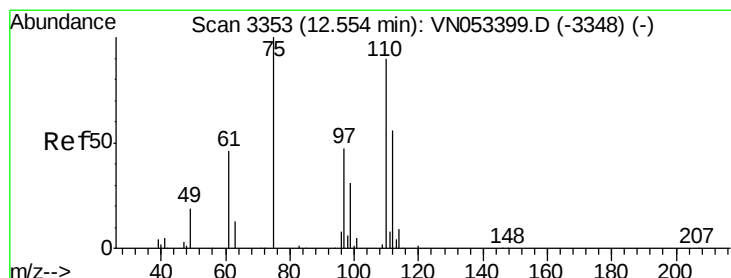
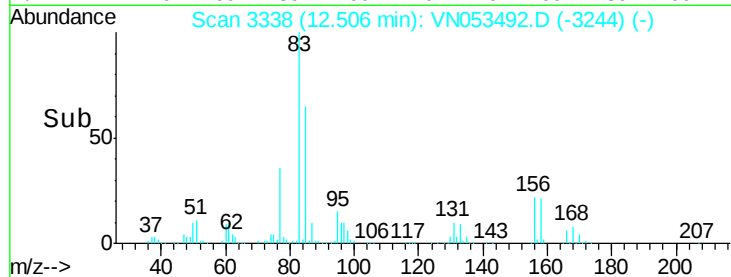
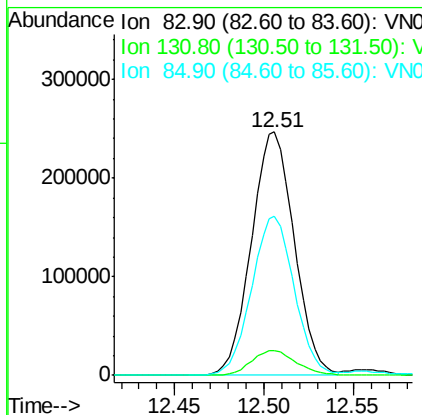
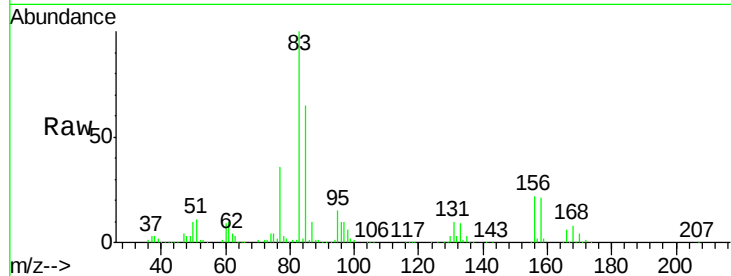
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 414750 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.3   | 15.8   |
| 85        | 64.9  | 32.1  | 96.3   |

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#76

1,2,3-Trichloropropane

Concen: 56.562 ug/l m

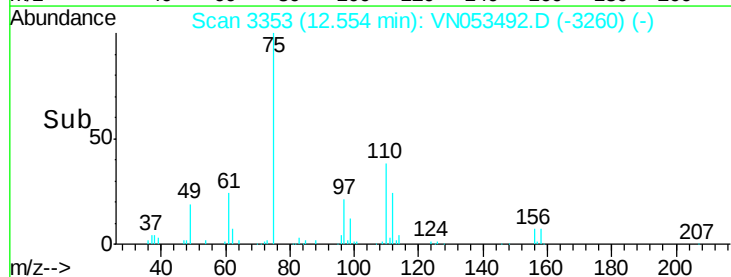
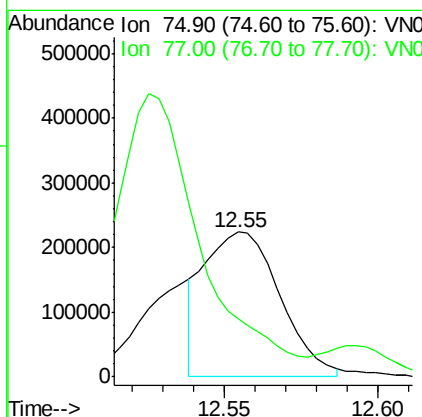
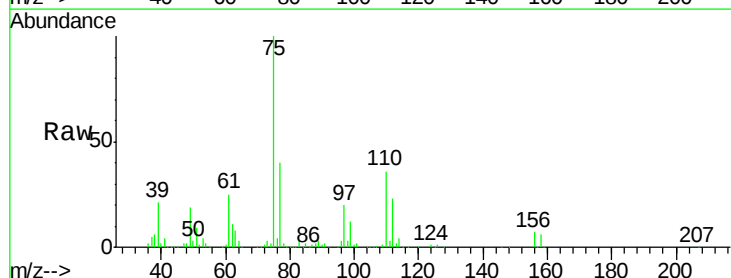
RT: 12.55 min Scan# 3353

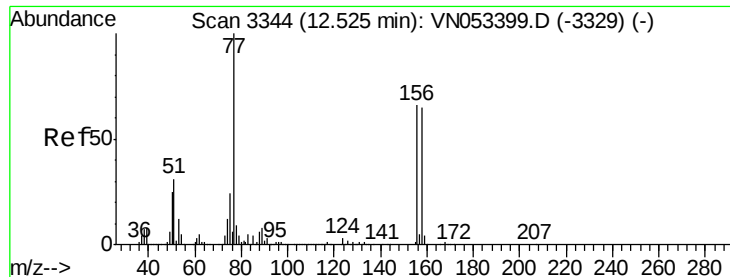
Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 383139 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 49.184 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

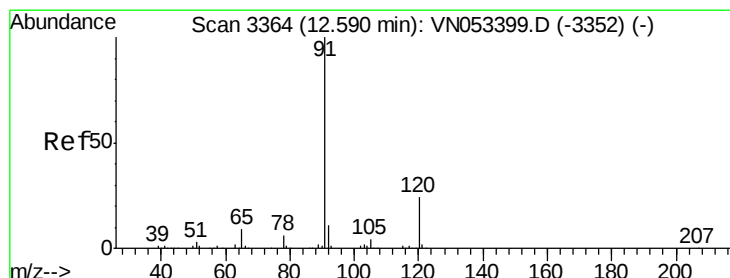
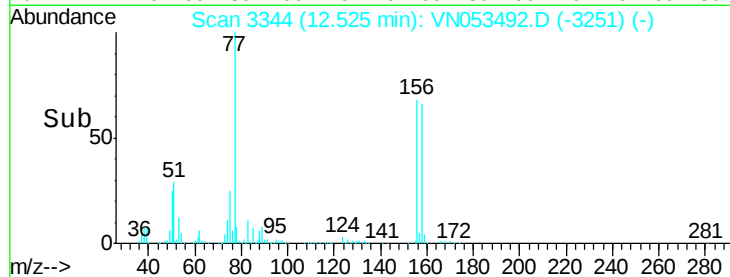
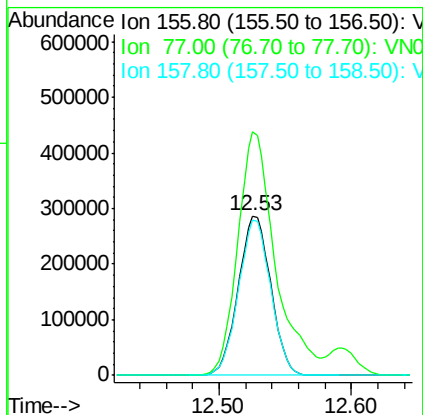
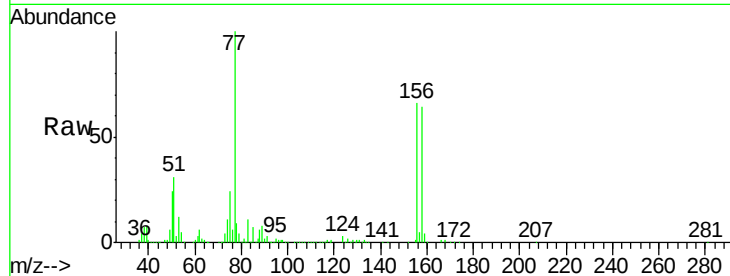
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 487841 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 177.5 | 87.9  | 263.8  |
| 158       | 96.8  | 48.8  | 146.4  |

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#78

n-propylbenzene

Concen: 49.237 ug/l

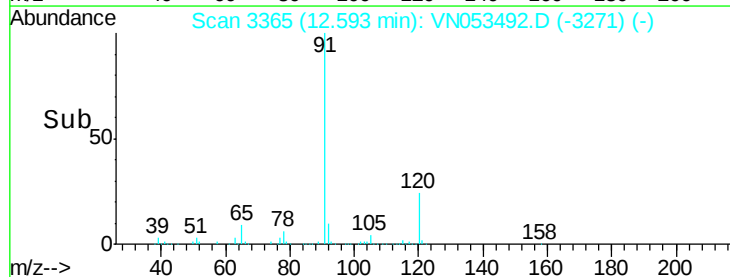
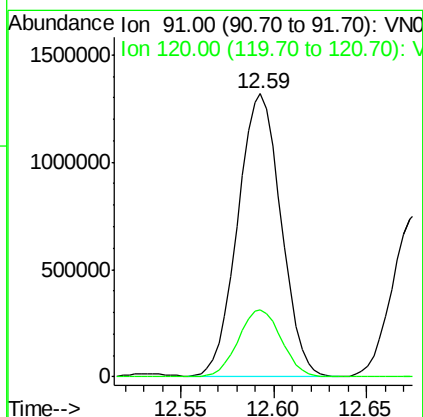
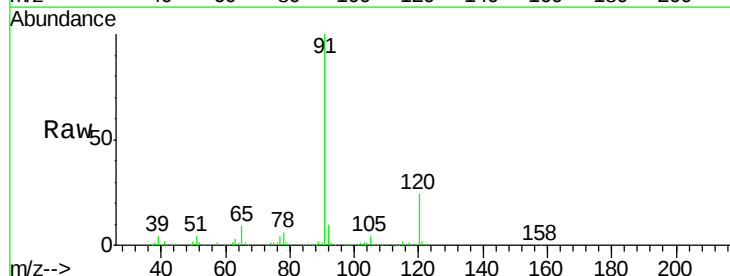
RT: 12.59 min Scan# 3365

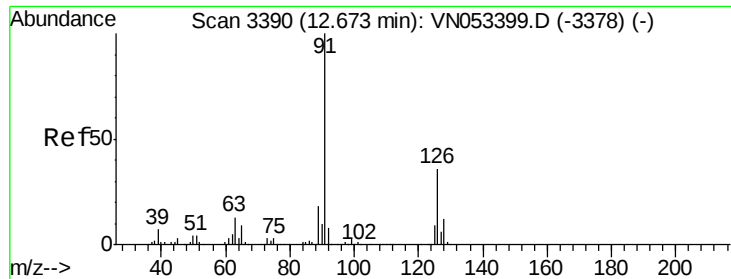
Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 91    | Resp: | 2127424 |
| Ion Ratio | Lower | Upper |         |
| 91        | 100   |       |         |
| 120       | 23.7  | 11.9  | 35.5    |





#79

2-Chlorotoluene

Concen: 48.462 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1241175

Ion Ratio Lower Upper

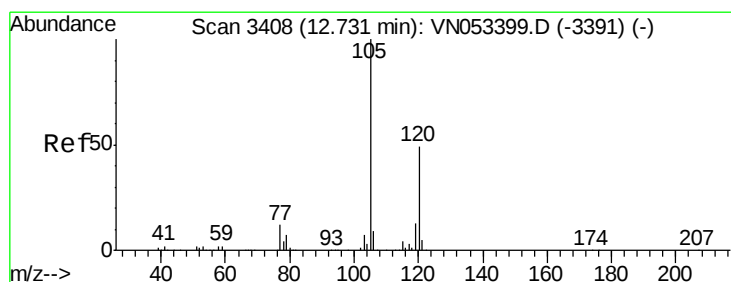
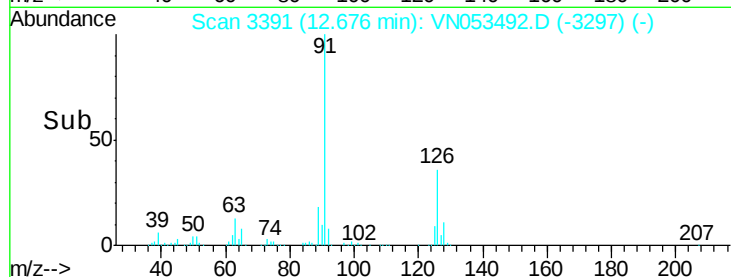
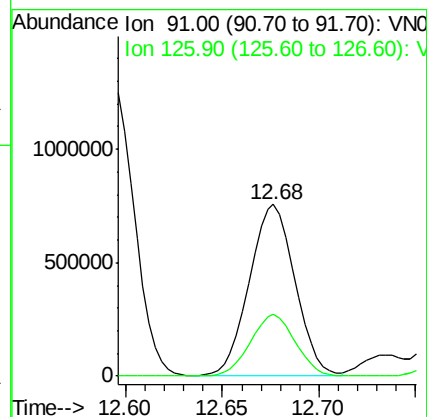
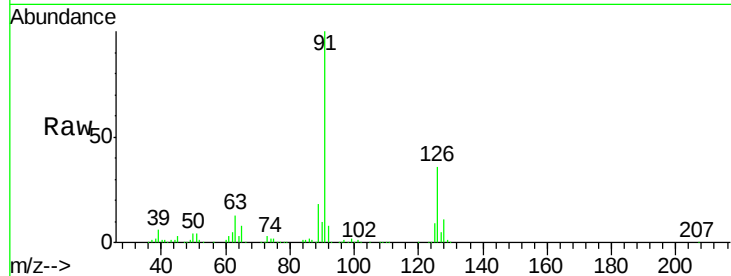
91 100

126 35.4 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 49.833 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053492.D

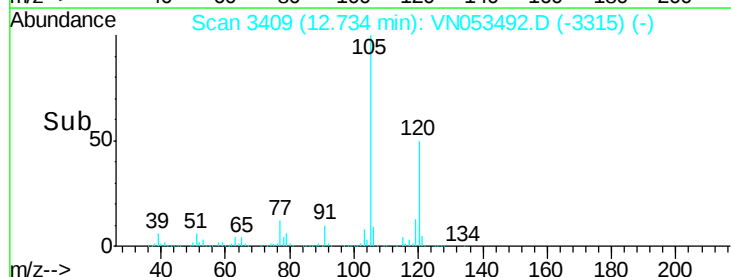
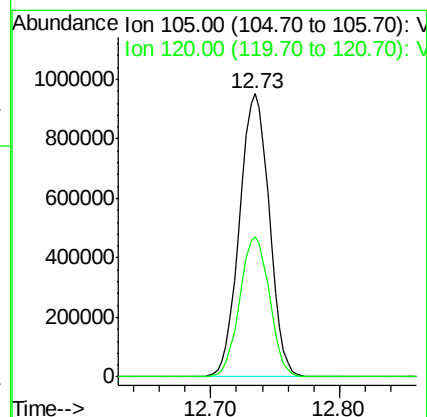
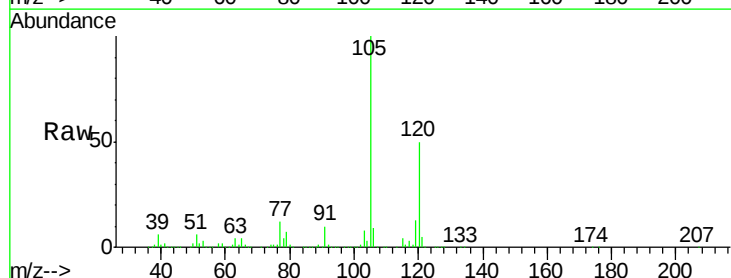
Acq: 19 Jan 2019 00:12

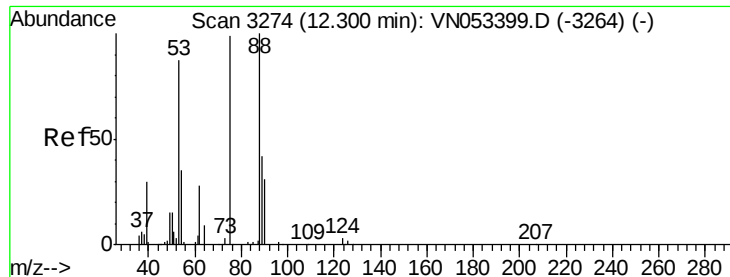
Tgt Ion: 105 Resp: 1526197

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.662 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

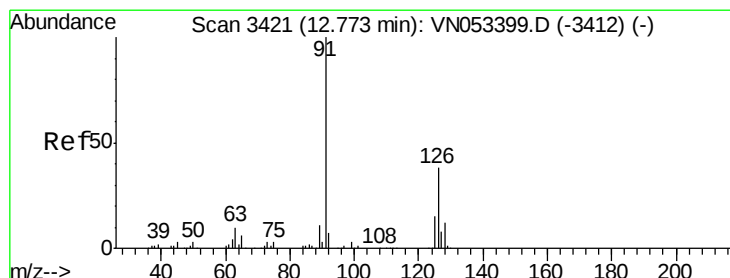
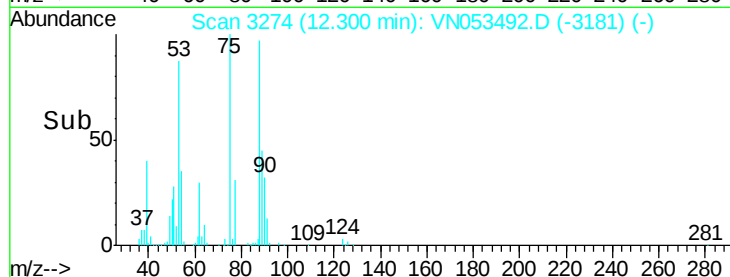
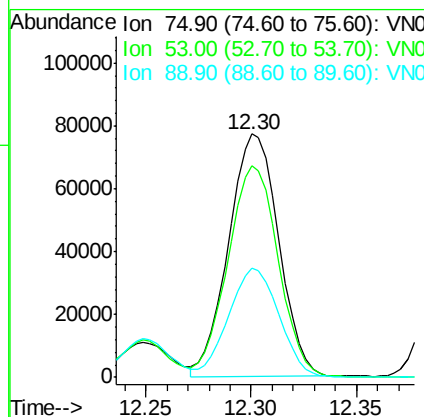
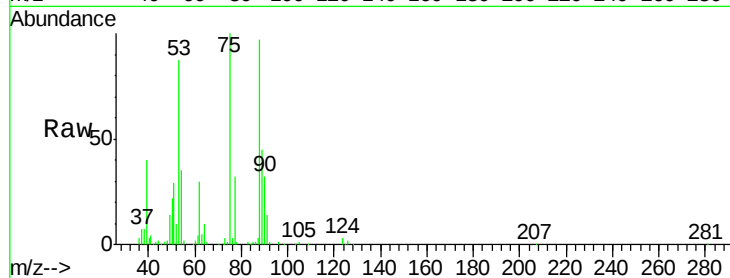
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 127237 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 88.3  | 69.8  | 104.6  |
| 89       | 45.2  | 35.6  | 53.4   |

Manual Integrations  
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#82

4-Chlorotoluene

Concen: 49.047 ug/l

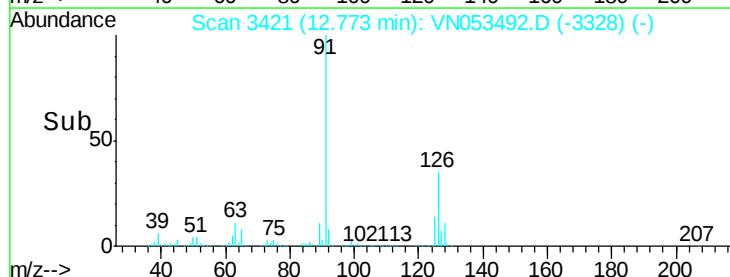
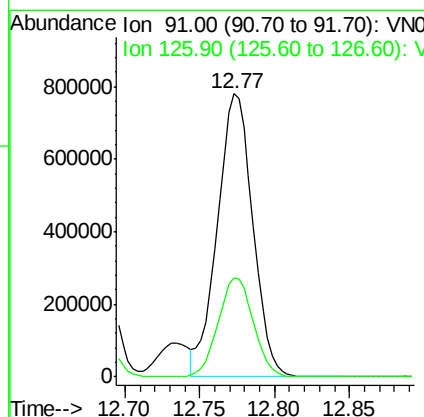
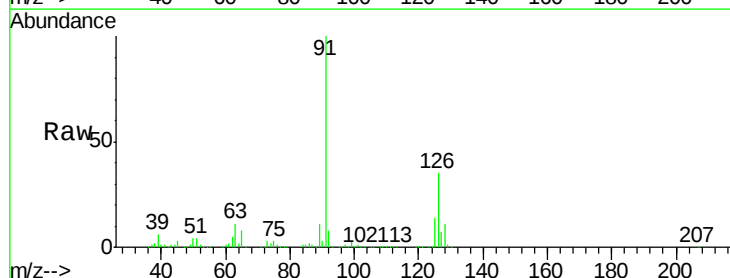
RT: 12.77 min Scan# 3421

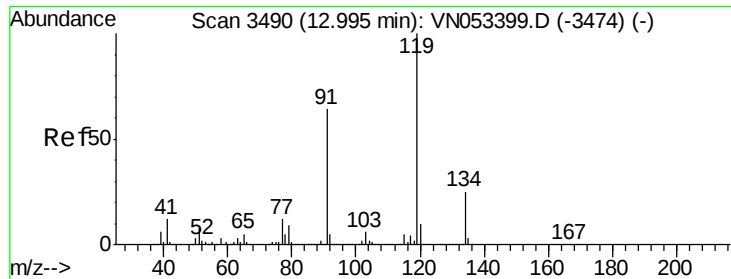
Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 91    | Resp: | 1281012 |
| Ion      | Ratio | Lower | Upper   |
| 91       | 100   |       |         |
| 126      | 34.9  | 17.6  | 52.9    |





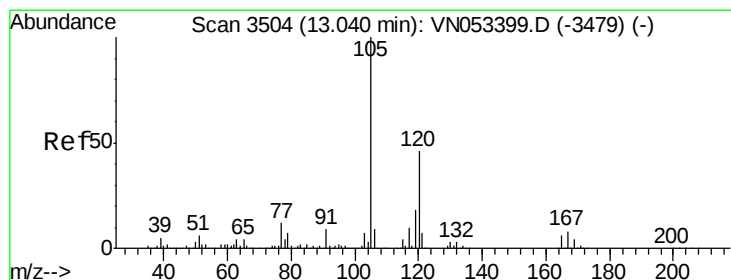
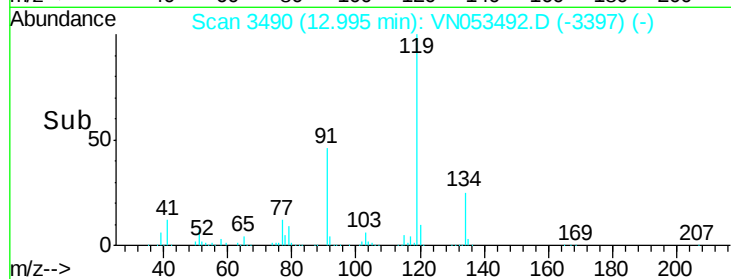
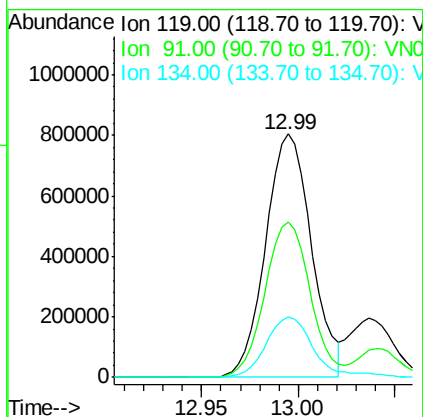
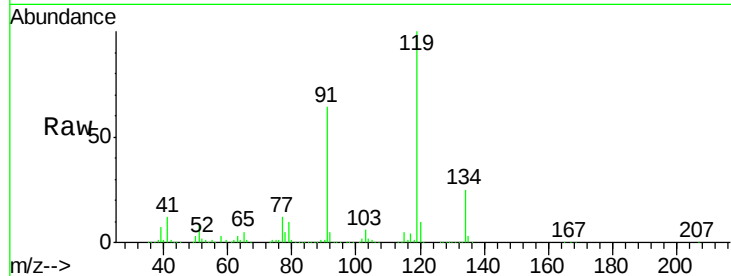
#83  
 tert-Butylbenzene  
 Concen: 48.970 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.2  | 31.3  | 93.8  |
| 134     | 26.0  | 12.9  | 38.7  |

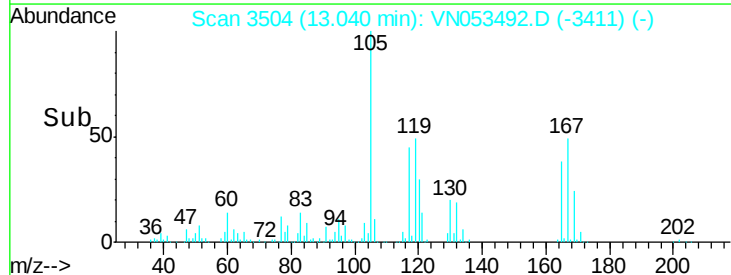
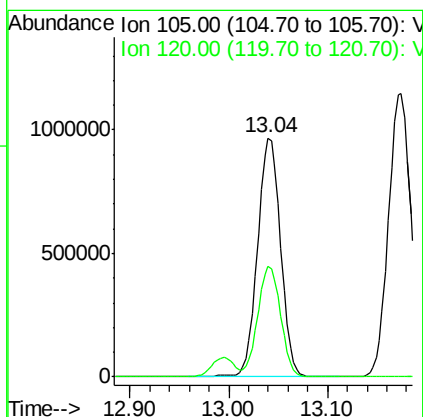
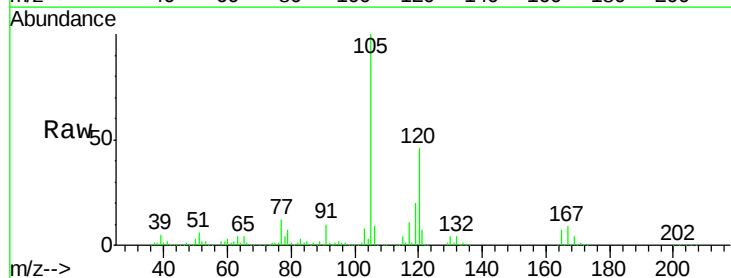
Manual Integrations  
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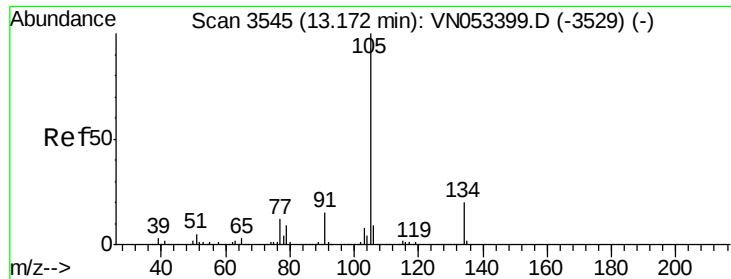
MMDadoda  
 1/21/2019 10:48:44 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.266 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.9  | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 49.019 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

Instrument :

MSVOA\_N

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 1818478

Ion Ratio Lower Upper

105 100

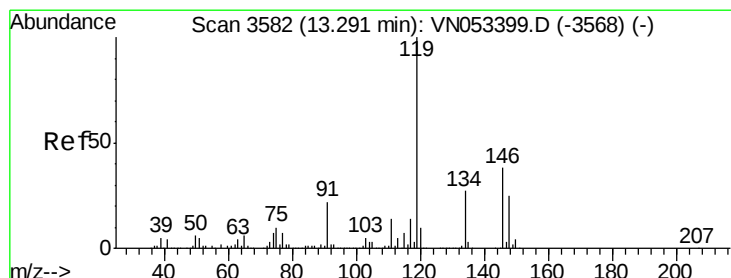
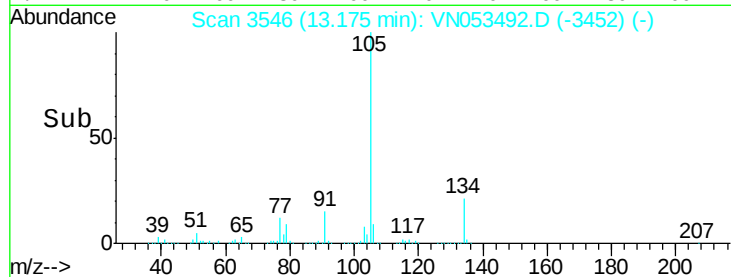
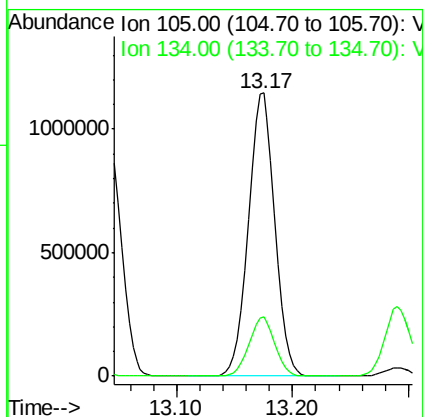
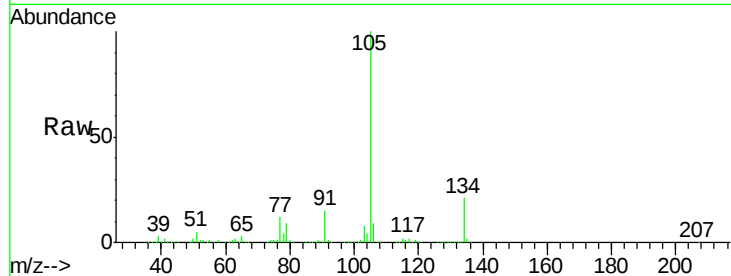
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 50.105 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053492.D

Acq: 19 Jan 2019 00:12

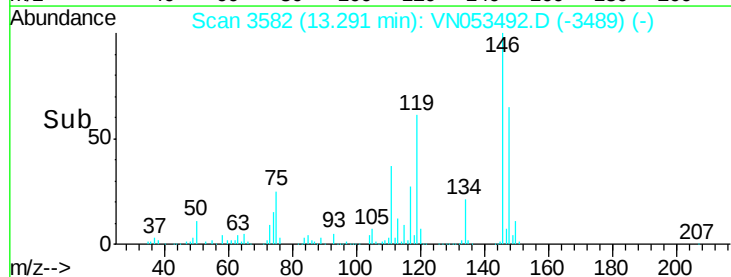
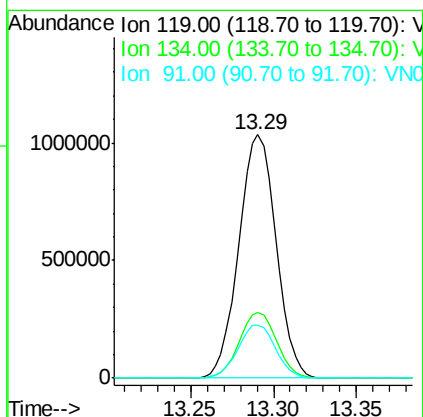
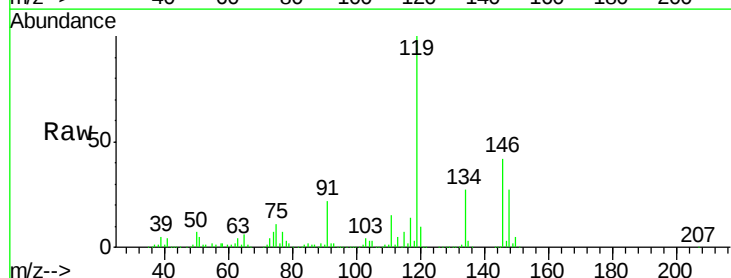
Tgt Ion:119 Resp: 1613955

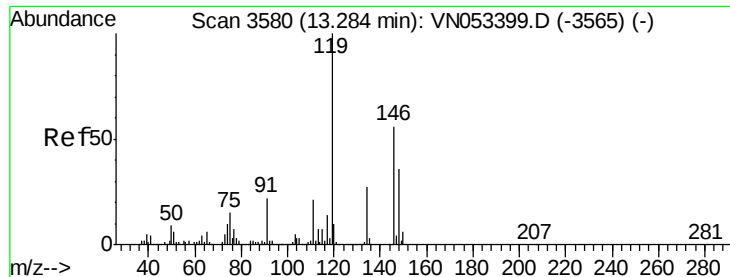
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.0 11.0 33.0





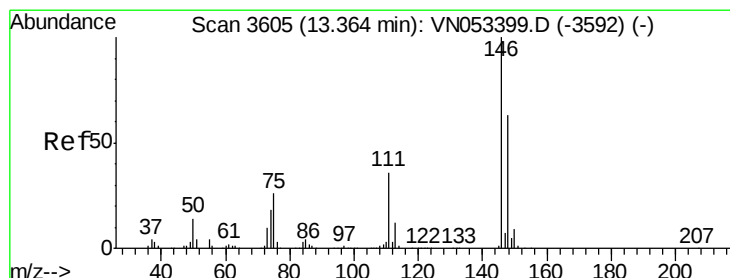
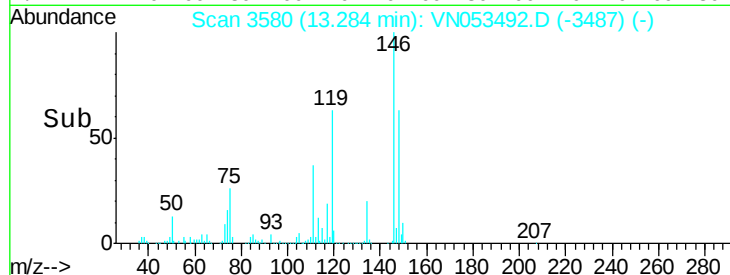
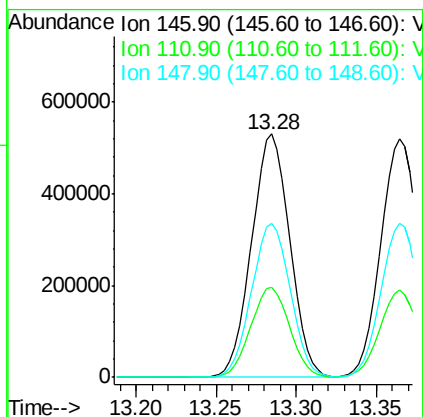
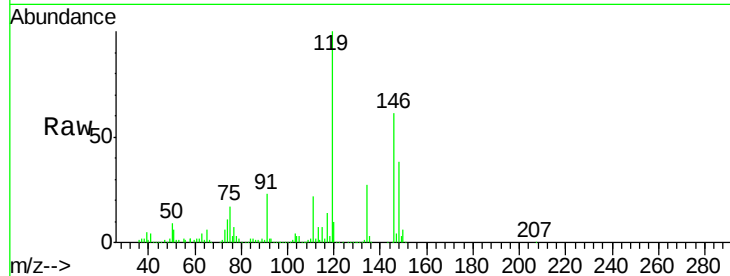
#87  
 1,3-Dichlorobenzene  
 Concen: 49.930 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 18.8  | 56.3  |
| 148     | 64.1  | 32.0  | 96.2  |

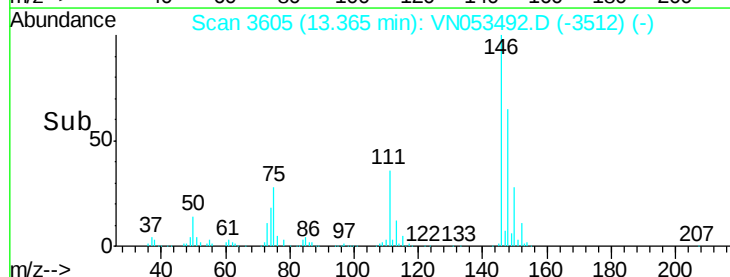
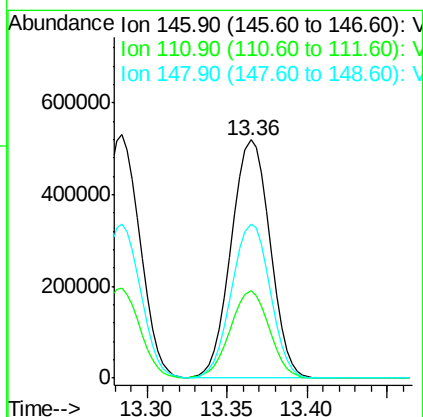
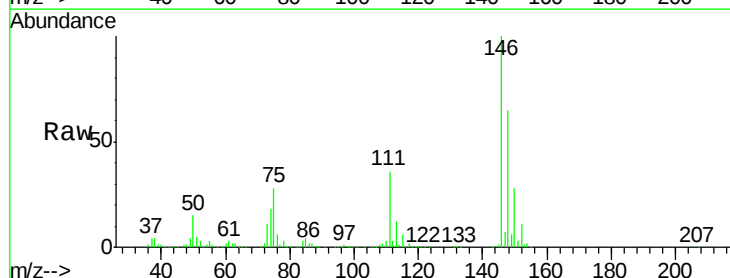
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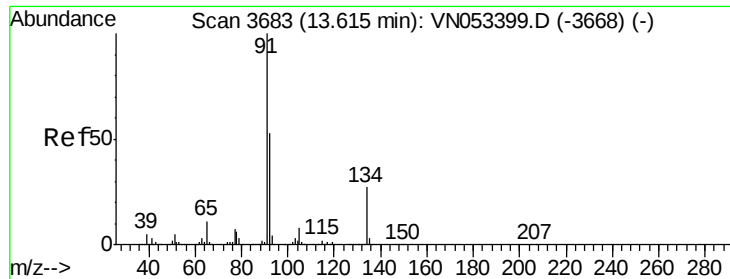
MMDadoda  
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#88  
 1,4-Dichlorobenzene  
 Concen: 49.132 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.7  | 18.6  | 55.8  |
| 148     | 64.5  | 32.4  | 97.0  |





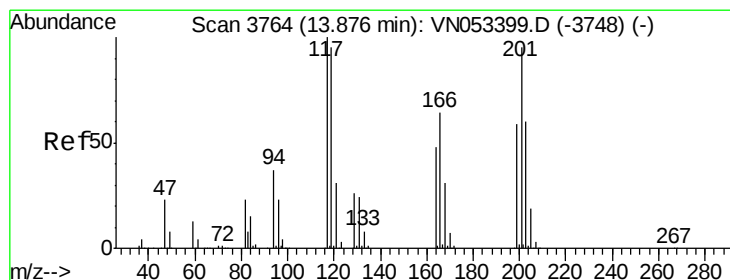
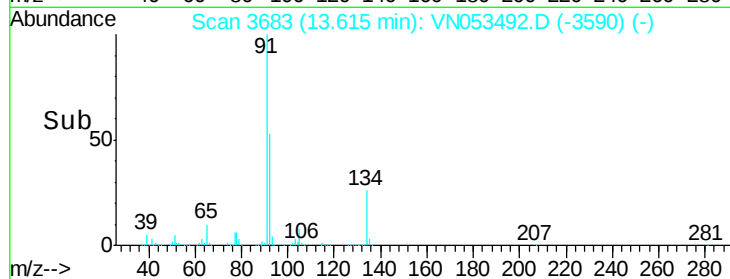
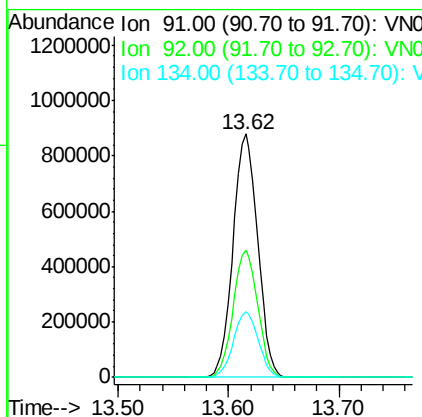
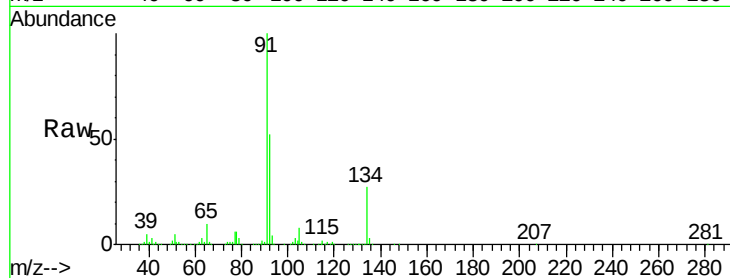
#89  
n-Butylbenzene  
Concen: 49.609 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 1362121  
Ion Ratio Lower Upper  
91 100  
92 52.1 26.3 78.8  
134 27.1 13.5 40.5

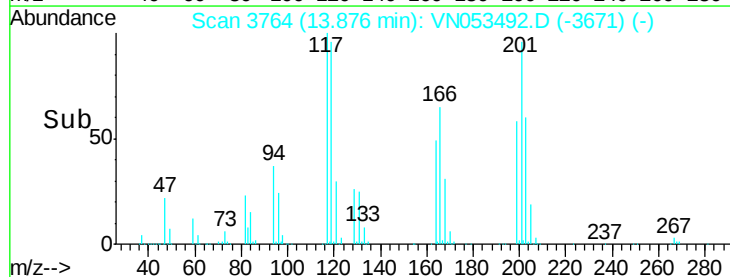
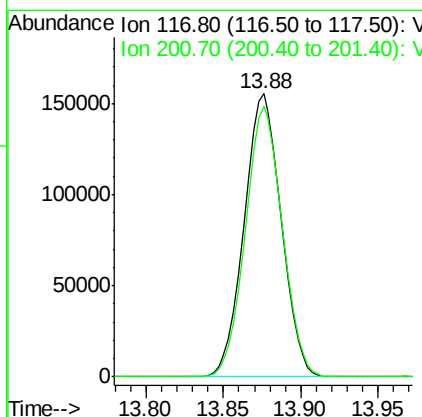
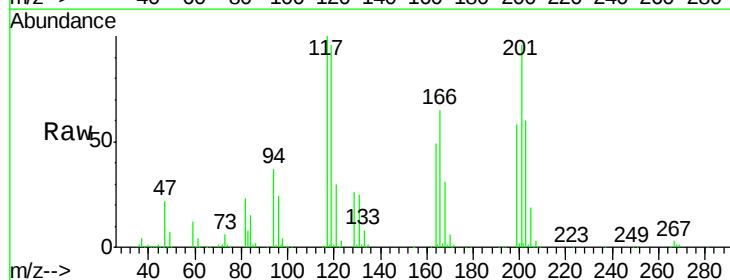
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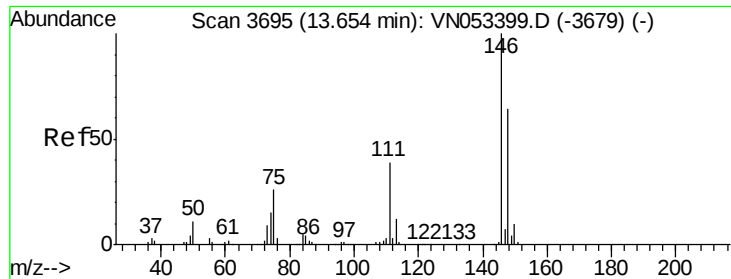
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#90  
Hexachloroethane  
Concen: 51.301 ug/l  
RT: 13.88 min Scan# 3764  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Tgt Ion: 117 Resp: 259161  
Ion Ratio Lower Upper  
117 100  
201 95.1 46.8 140.4





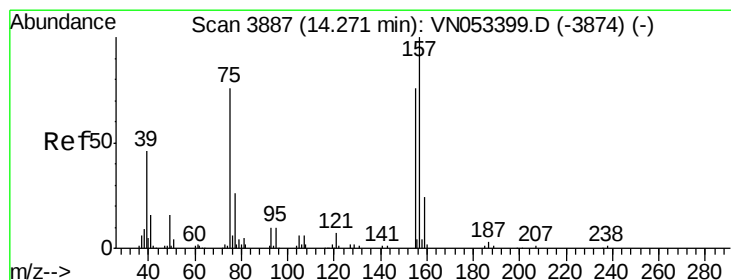
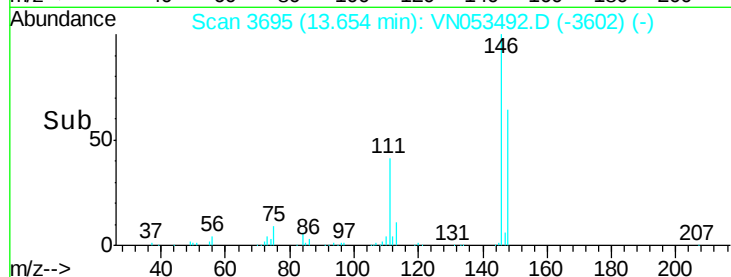
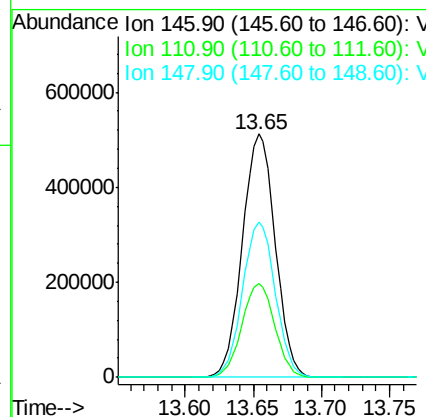
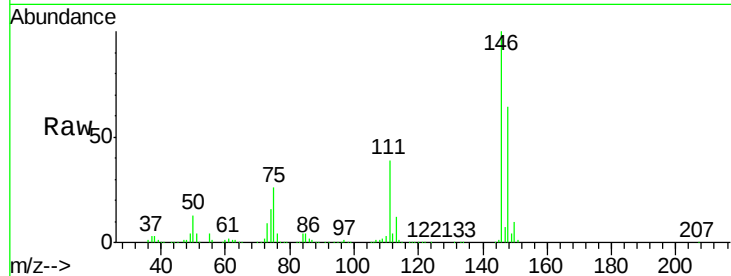
#91  
 1,2-Dichlorobenzene  
 Concen: 53.286 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.8  | 19.5  | 58.5  |
| 148     | 63.7  | 31.9  | 95.9  |

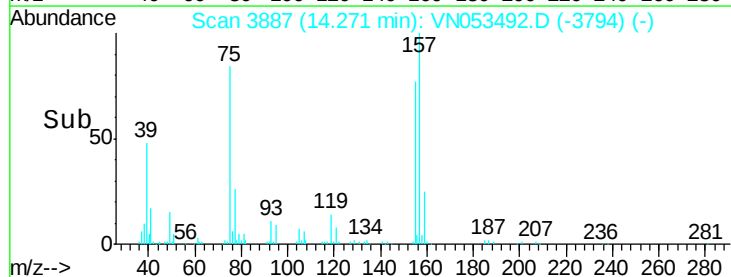
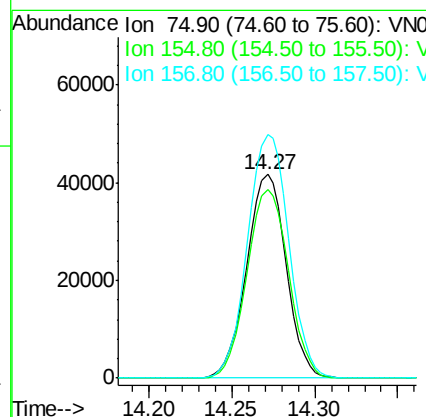
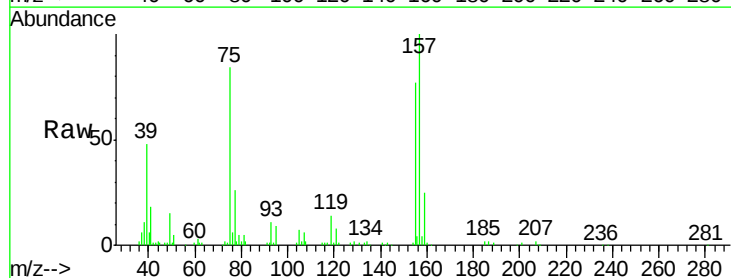
Manual Integrations  
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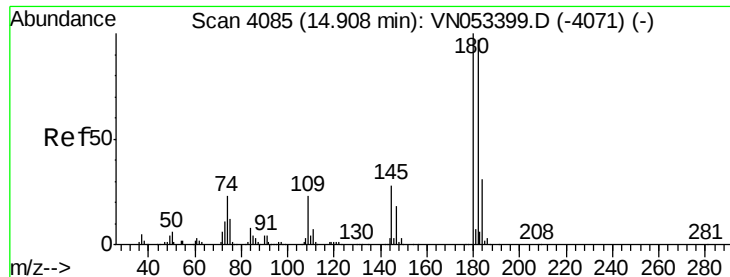
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 69.372 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 97.0  | 48.9  | 146.7 |
| 157     | 125.0 | 63.7  | 191.3 |





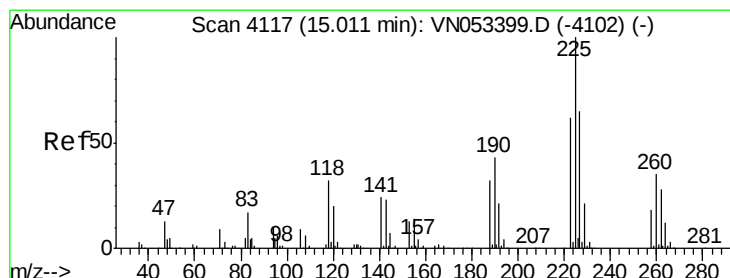
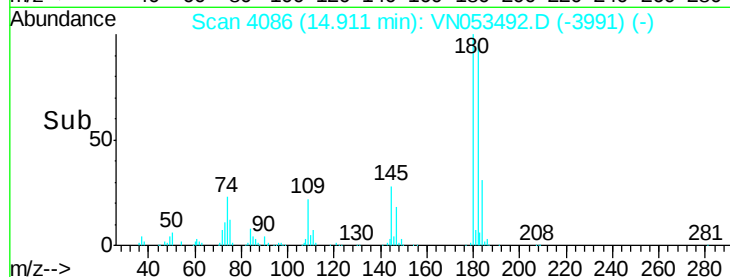
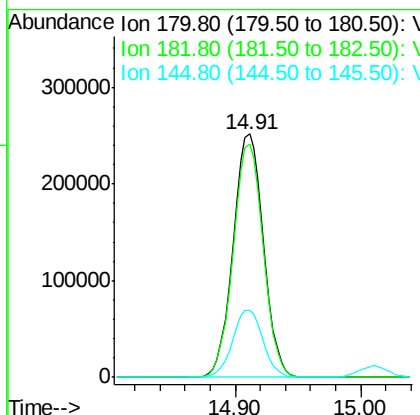
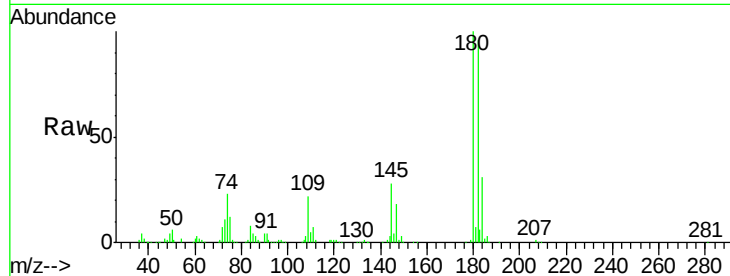
#93  
 1,2,4-Trichlorobenzene  
 Concen: 58.836 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 420365 |       |       |
| 182     | 95.3  | 48.1   | 144.3 |       |
| 145     | 27.9  | 13.9   | 41.6  |       |

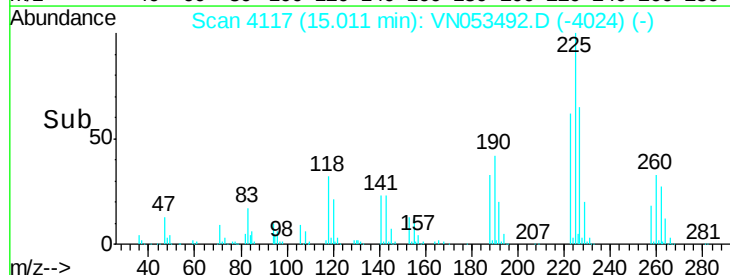
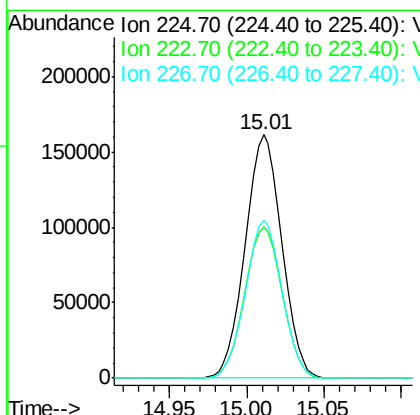
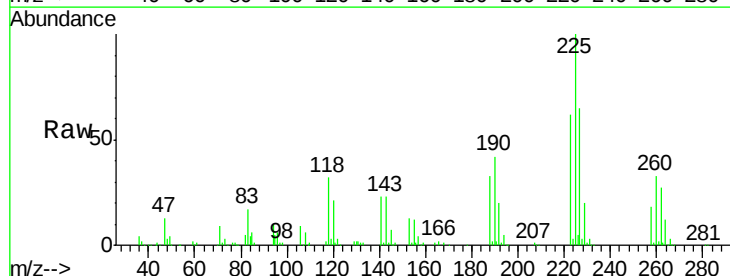
Manual Integrations  
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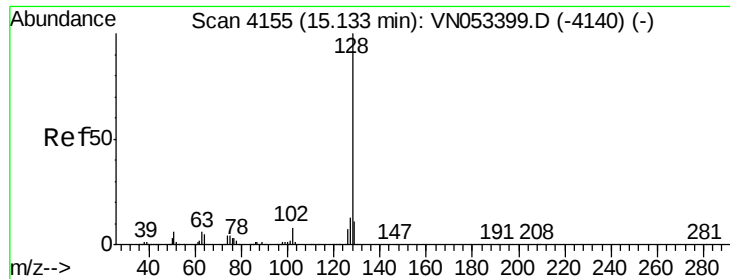
MMDadoda  
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#94  
 Hexachlorobutadiene  
 Concen: 53.319 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053492.D  
 Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 266980 |       |       |
| 223     | 63.5  | 31.1   | 93.2  |       |
| 227     | 64.6  | 32.0   | 96.2  |       |





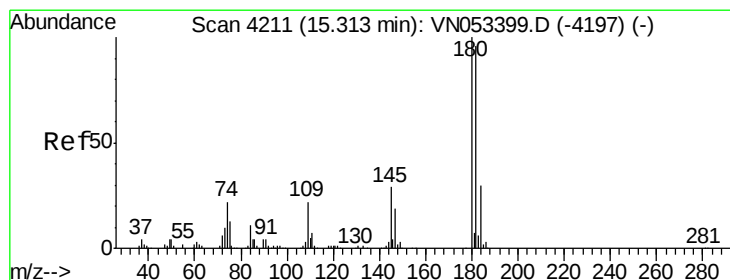
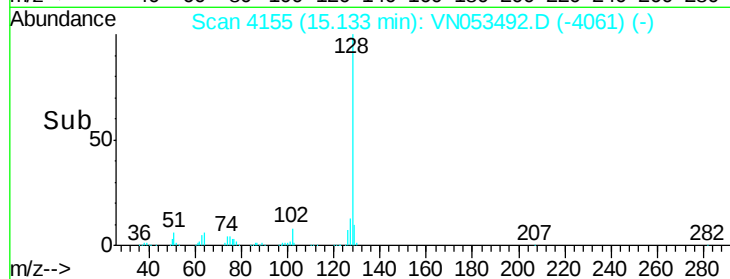
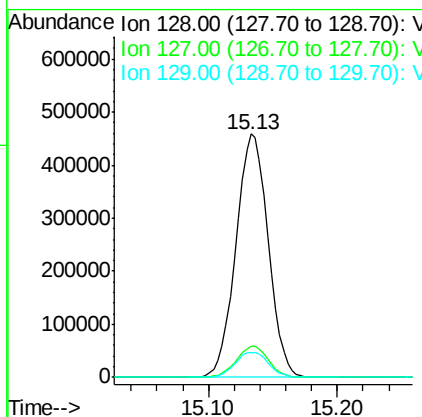
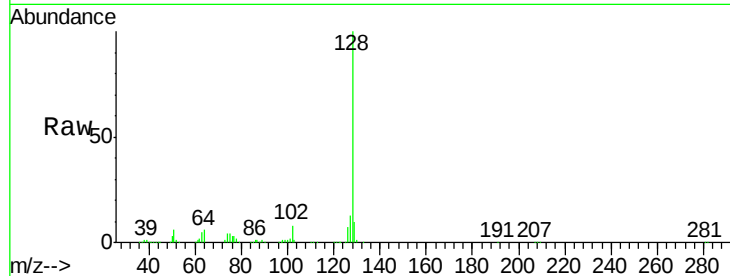
#95  
Naphthalene  
Concen: 62.933 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.8  | 10.3  | 15.5  |
| 129     | 10.7  | 8.6   | 13.0  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 61.722 ug/l  
RT: 15.32 min Scan# 4212  
Delta R.T. 0.00 min  
Lab File: VN053492.D  
Acq: 19 Jan 2019 00:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.9  | 47.9  | 143.8 |
| 145     | 30.2  | 14.7  | 44.1  |

