

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\  
 Data File : VN051337.D  
 Acq On : 20 Sep 2018 13:52  
 Operator : MD\SY  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2018 2:48:09 PM

Quant Time: Sep 21 04:05:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092018W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 03:27:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 658636   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 909371   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 822682   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 375076   | 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   | 44572    | 6.24 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 12.48% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 43325    | 5.90 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 11.80% |          |
| 50) Toluene-d8              | 10.09 | 98   | 167379   | 5.92 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 11.84% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 50909    | 5.54 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 11.08% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 29630    | 5.383  | ug/l   | 97     |
| 3) Chloromethane              | 2.06 | 50   | 41820    | 5.356  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.18 | 62   | 41305    | 5.324  | ug/l   | 98     |
| 5) Bromomethane               | 2.56 | 94   | 26442    | 4.886  | ug/l   | 96     |
| 6) Chloroethane               | 2.70 | 64   | 24725    | 5.186  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.02 | 101  | 58624    | 5.286  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.42 | 74   | 17948    | 5.057  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101  | 35541    | 5.222  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.95 | 142  | 43746    | 4.343  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59   | 9981     | 26.372 | ug/l # | 72     |
| 12) 1,1-Dichloroethene        | 3.74 | 96   | 30951    | 5.024  | ug/l   | 97     |
| 13) Acrolein                  | 3.61 | 56   | 7566     | 17.467 | ug/l   | 95     |
| 14) Allyl chloride            | 4.33 | 41   | 41461    | 4.775  | ug/l   | 96     |
| 15) Acrylonitrile             | 4.99 | 53   | 48384    | 25.227 | ug/l   | 98     |
| 16) Acetone                   | 3.82 | 43   | 39579    | 26.990 | ug/l   | 96     |
| 17) Carbon Disulfide          | 4.05 | 76   | 92803    | 4.999  | ug/l   | 97     |
| 18) Methyl Acetate            | 4.33 | 43   | 24951    | 4.951  | ug/l # | 72     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 69861    | 4.685  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84   | 38079    | 5.189  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96   | 32794    | 5.040  | ug/l   | 99     |
| 22) Diisopropyl ether         | 5.96 | 45   | 81134    | 4.730  | ug/l   | 91     |
| 23) Vinyl Acetate             | 5.90 | 43   | 259184   | 23.360 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 61083    | 5.224  | ug/l   | 98     |
| 25) 2-Butanone                | 6.84 | 43   | 53726    | 26.341 | ug/l   | 93     |
| 26) 2,2-Dichloropropane       | 6.83 | 77   | 49697    | 5.144  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 34616    | 4.801  | ug/l   | 95     |
| 28) Bromochloromethane        | 7.20 | 49   | 24317    | 5.018  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.21 | 42   | 30070    | 23.271 | ug/l   | 98     |
| 30) Chloroform                | 7.37 | 83   | 64622    | 5.259  | ug/l   | 98     |
| 31) Cyclohexane               | 7.66 | 56   | 52834    | 4.592  | ug/l # | 69     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 53939    | 5.095  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 44469    | 4.781  | ug/l   | 98     |
| 37) Ethyl Acetate             | 6.94 | 43   | 22935    | 4.980  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.78 | 117  | 51090    | 5.077  | ug/l   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\  
 Data File : VN051337.D  
 Acq On : 20 Sep 2018 13:52  
 Operator : MD\SY  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 9/24/2018 2:48:09 PM

Quant Time: Sep 21 04:05:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092018W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 03:27:45 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 39) Methylcyclohexane          | 9.08  | 83   | 48755    | 4.491  | ug/l   | 95       |
| 40) Benzene                    | 8.04  | 78   | 141506   | 5.049  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.18  | 41   | 9930     | 4.139  | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 43794    | 5.173  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 42415    | 5.259  | ug/l # | 86       |
| 44) Trichloroethene            | 8.84  | 130  | 40749    | 5.065  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 37532    | 5.233  | ug/l   | 96       |
| 46) Dibromomethane             | 9.21  | 93   | 22691    | 5.132  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 46407    | 4.921  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 19849    | 4.828  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 5993     | 98.565 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 105112   | 24.230 | ug/l   | 97       |
| 52) Toluene                    | 10.16 | 92   | 83746    | 4.853  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 41952    | 4.633  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 50220    | 4.790  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 33347    | 5.151  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 29671    | 4.340  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 50425    | 4.945  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 66808    | 19.873 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 72769    | 24.881 | ug/l   | 92       |
| 60) Dibromochloromethane       | 10.90 | 129  | 36900    | 4.888  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 30641    | 4.923  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 36073    | 5.028  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 98109    | 4.992  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 38239    | 5.111  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 142297   | 4.628  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 110871   | 9.178  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 53719    | 4.613  | ug/l   | 97       |
| 70) Styrene                    | 11.96 | 104  | 79423    | 4.394  | ug/l   | 98       |
| 71) Bromoform                  | 12.13 | 173  | 25264    | 4.975  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 136708   | 4.973  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 28130    | 4.783  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 38205    | 5.632  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 32411m   | 5.984  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 39402    | 5.188  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 147622   | 4.926  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 95429    | 5.167  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 110403   | 4.954  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 8669     | 5.541  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 89686    | 4.996  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 99512    | 4.989  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 106654   | 4.822  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 133399   | 5.029  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 108169   | 4.686  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 65547    | 5.134  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 62802    | 5.075  | ug/l   | 94       |
| 89) n-Butylbenzene             | 13.62 | 91   | 81418    | 4.537  | ug/l   | 96       |
| 90) Hexachloroethane           | 13.87 | 117  | 27179    | 5.498  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 64034    | 5.192  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 4847     | 5.395  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\  
Data File : VN051337.D  
Acq On : 20 Sep 2018 13:52  
Operator : MD\SY  
Sample : VSTDICC005  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

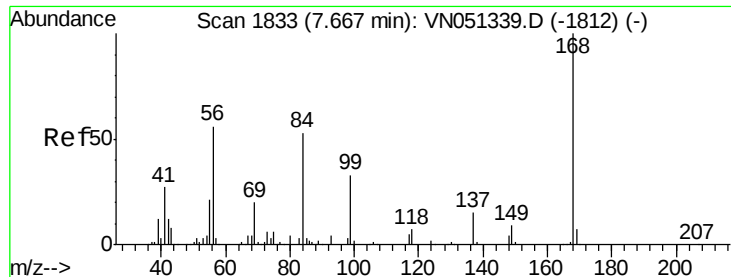
MMDadoda  
9/24/2018 2:48:09 PM

Quant Time: Sep 21 04:05:45 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092018W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 21 03:27:45 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 19587    | 3.465 | ug/l  | 93       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 24645    | 5.149 | ug/l  | 98       |
| 95) Naphthalene            | 15.13 | 128  | 28453    | 2.855 | ug/l  | 96       |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 21171    | 3.764 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 658636

Ion Ratio Lower Upper

168 100

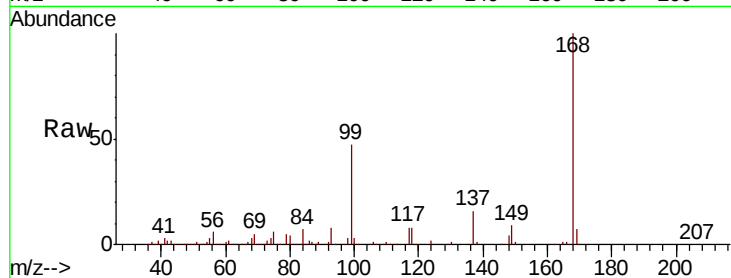
99 47.0 37.1 55.7

Manual Integrations

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9/24/2018 2:48:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

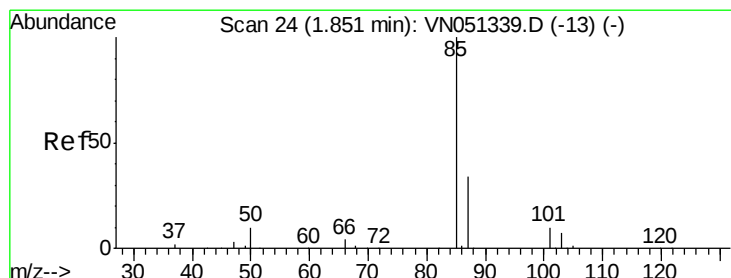
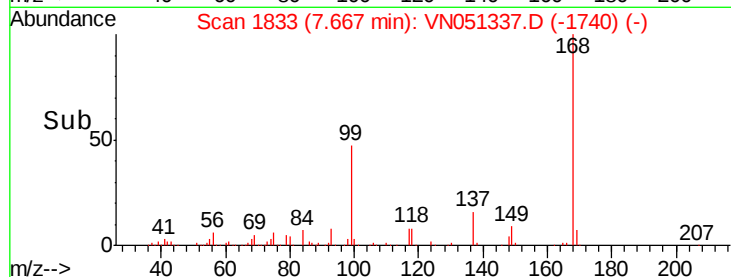
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 5.383 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051337.D

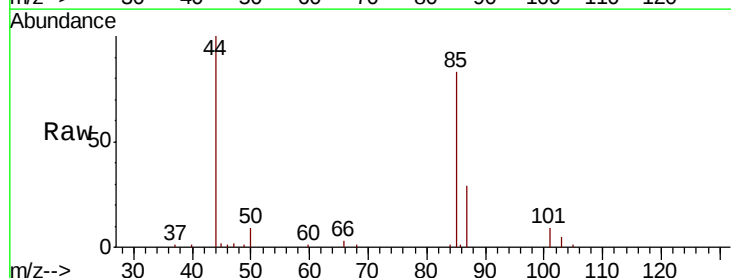
Acq: 20 Sep 2018 13:52

Tgt Ion: 85 Resp: 29630

Ion Ratio Lower Upper

85 100

87 35.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

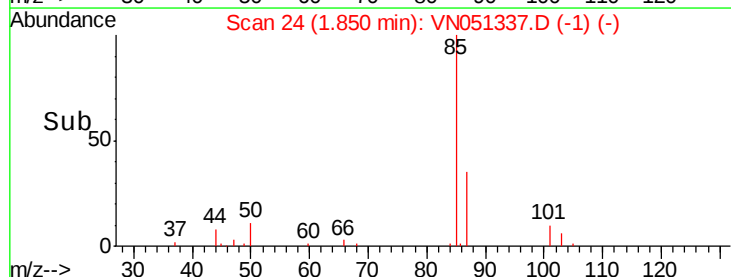
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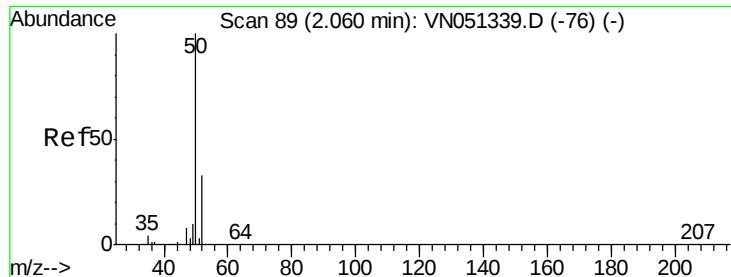
10000

5000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 5.356 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 41820

Ion Ratio Lower Upper

50 100

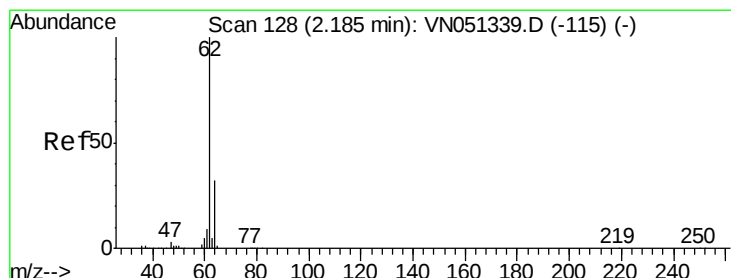
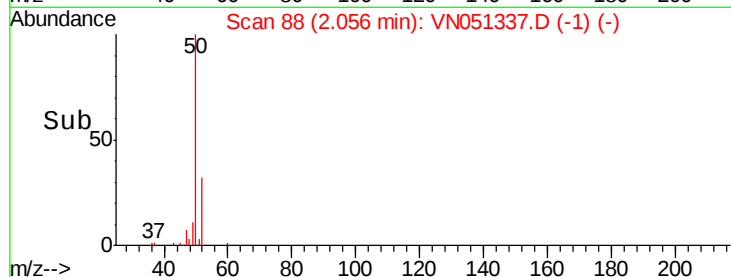
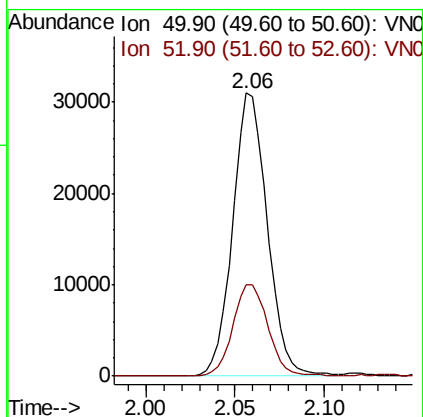
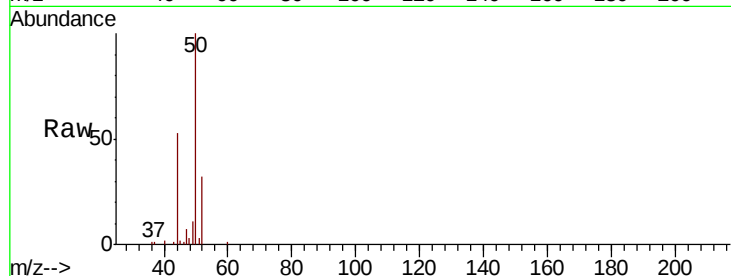
52 32.3 26.7 40.1

Manual Integrations

APPROVED

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9/24/2018 2:48:09 PM



#4

Vinyl Chloride

Concen: 5.324 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051337.D

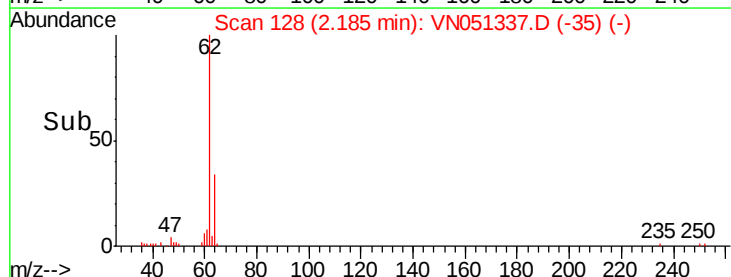
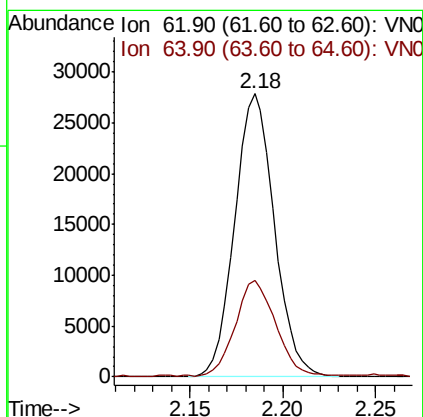
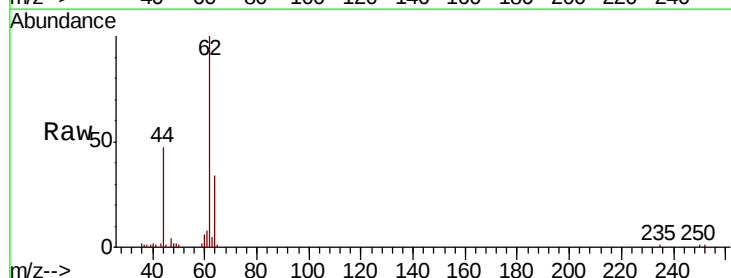
Acq: 20 Sep 2018 13:52

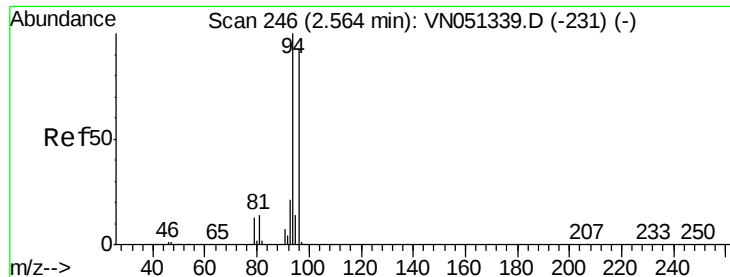
Tgt Ion: 62 Resp: 41305

Ion Ratio Lower Upper

62 100

64 33.7 25.9 38.9





#5

Bromomethane

Concen: 4.886 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 26442

Ion Ratio Lower Upper

94 100

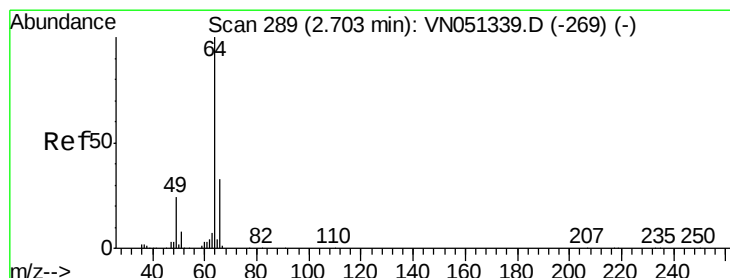
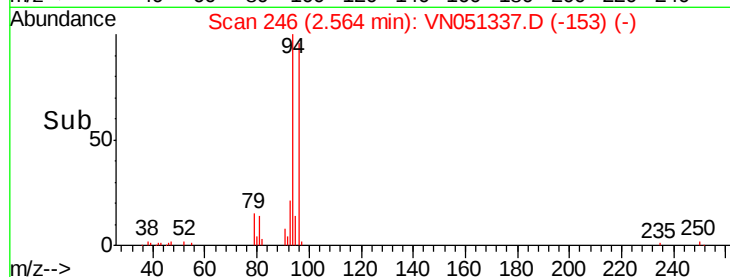
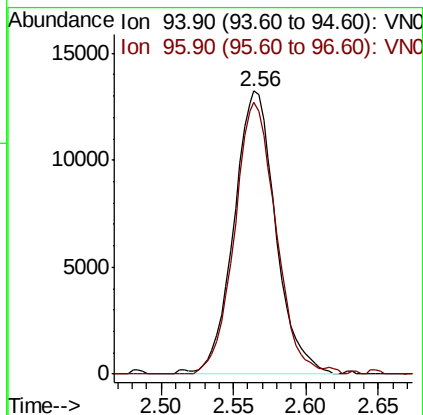
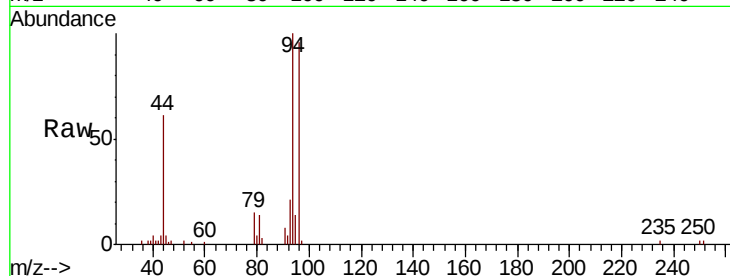
96 96.0 73.8 110.8

Manual Integrations

APPROVED

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9/24/2018 2:48:09 PM



#6

Chloroethane

Concen: 5.186 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051337.D

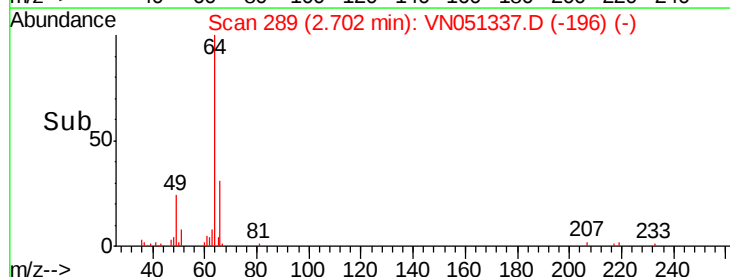
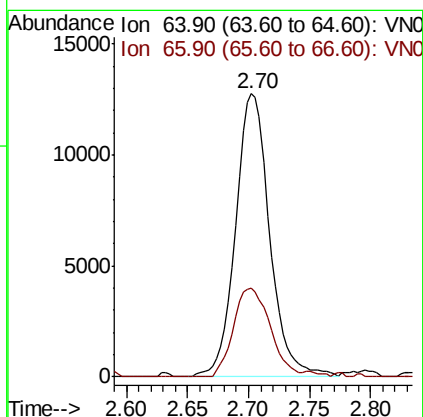
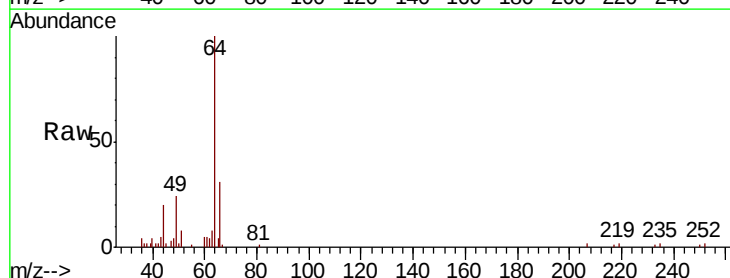
Acq: 20 Sep 2018 13:52

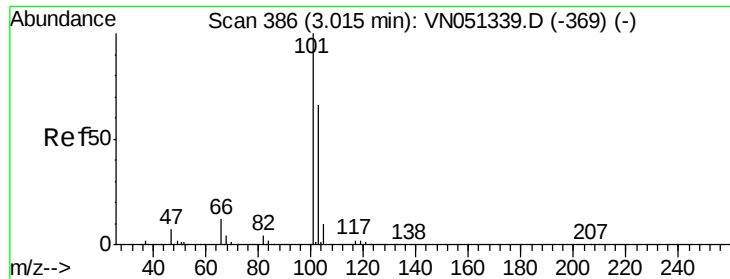
Tgt Ion: 64 Resp: 24725

Ion Ratio Lower Upper

64 100

66 31.5 26.6 39.8





#7

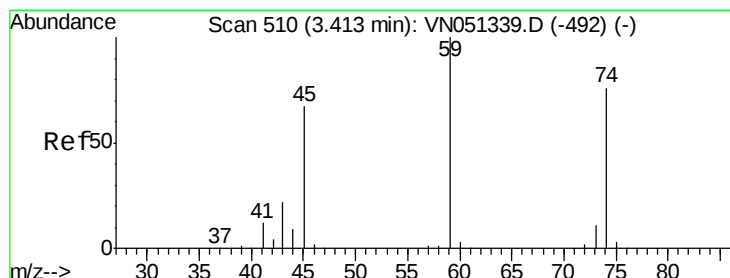
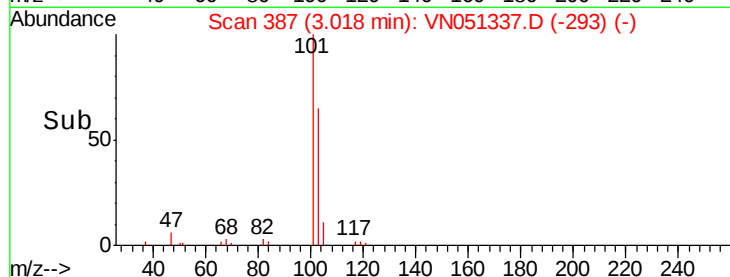
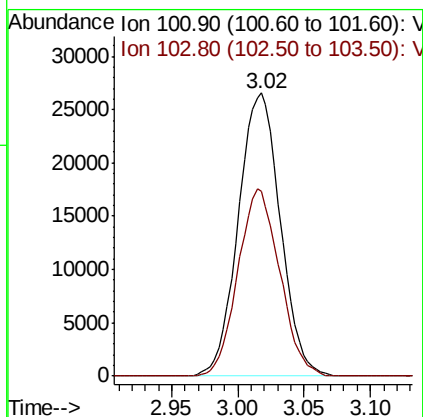
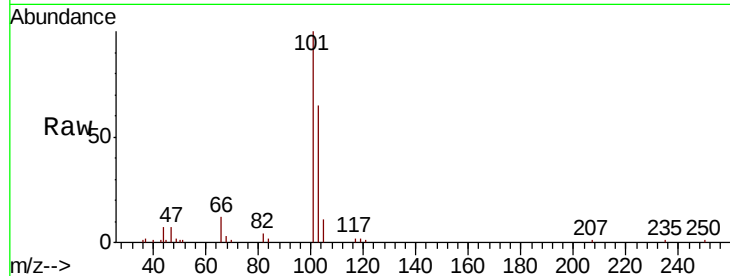
Trichlorofluoromethane  
 Concen: 5.286 ug/l  
 RT: 3.02 min Scan# 387  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion:101 Resp: 58624  
 Ion Ratio Lower Upper  
 101 100  
 103 65.4 52.7 79.1

Manual Integrations  
 APPROVED

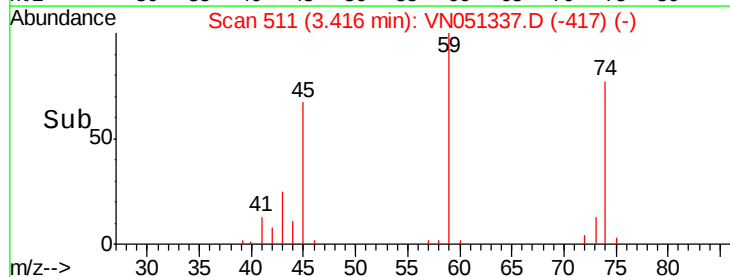
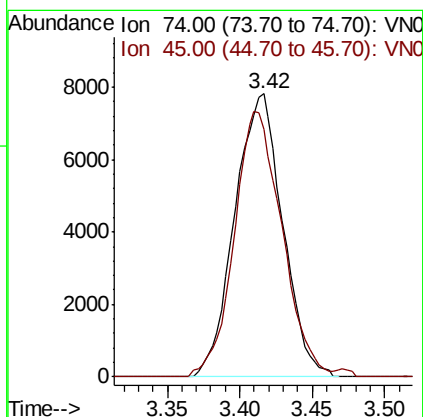
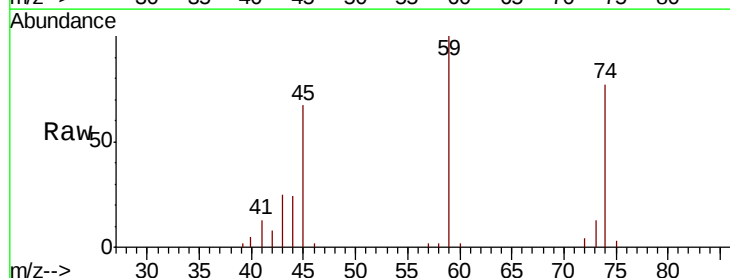
MMDadoda  
 9/24/2018 2:48:09 PM

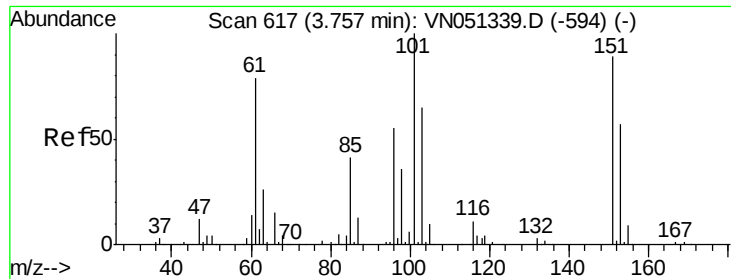


#8

Diethyl Ether  
 Concen: 5.057 ug/l  
 RT: 3.42 min Scan# 511  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Tgt Ion: 74 Resp: 17948  
 Ion Ratio Lower Upper  
 74 100  
 45 93.6 44.1 132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.222 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

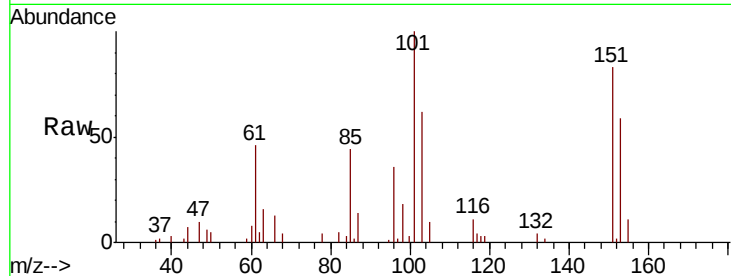
ClientSampleId :

VSTDIC005

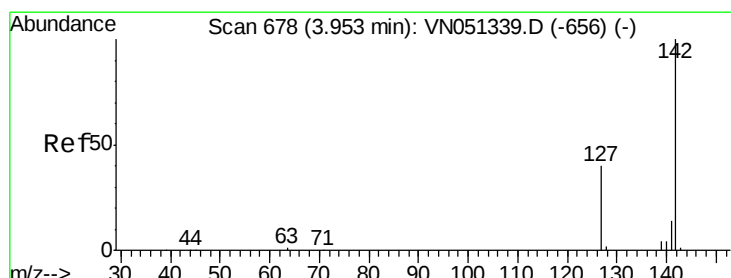
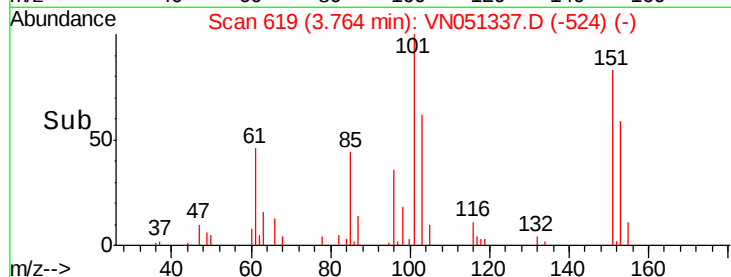
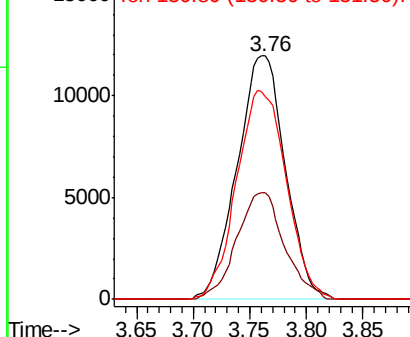
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 35541 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 43.2  | 33.4  | 50.2  |
| 151       | 88.6  | 71.8  | 107.6 |

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



#10

Methyl Iodide

Concen: 4.343 ug/l

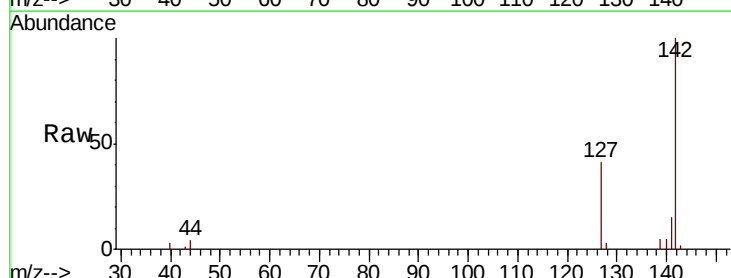
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

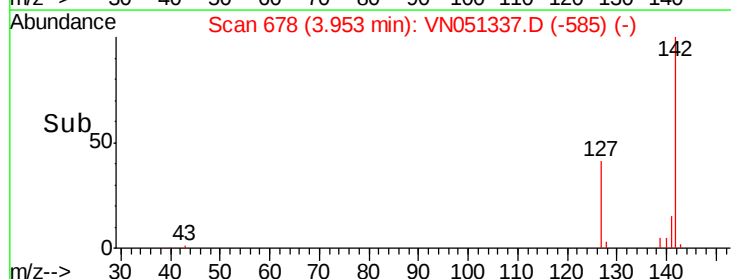
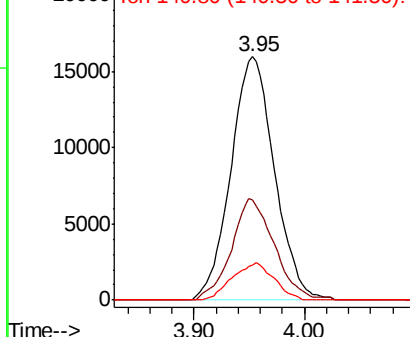
Lab File: VN051337.D

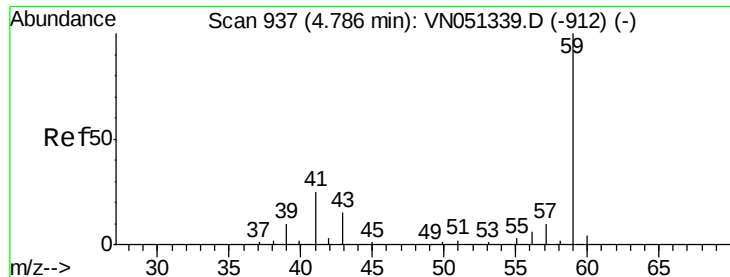
Acq: 20 Sep 2018 13:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 43746 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 40.5  | 31.9  | 47.9  |
| 141       | 14.6  | 11.4  | 17.0  |



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





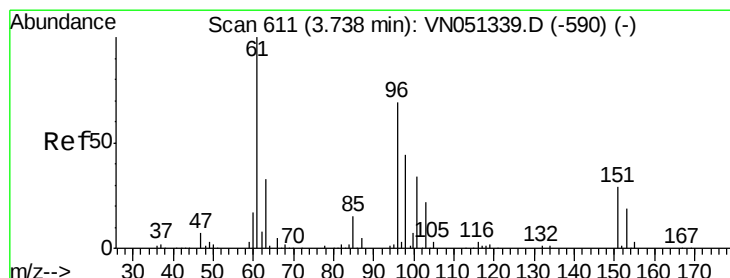
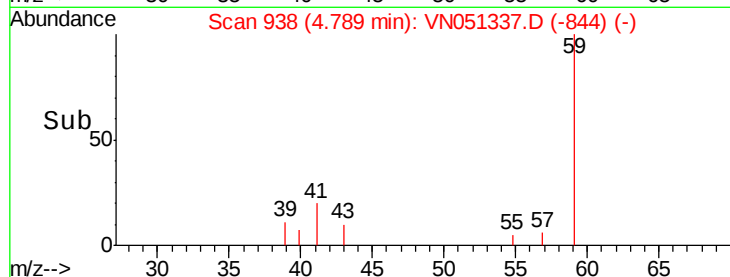
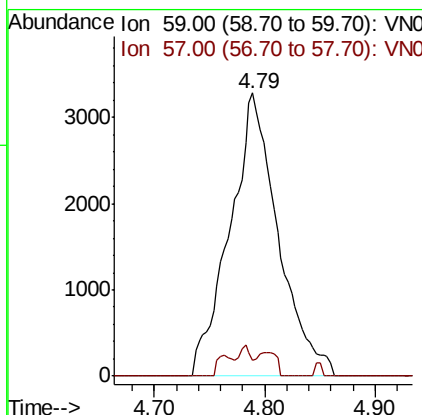
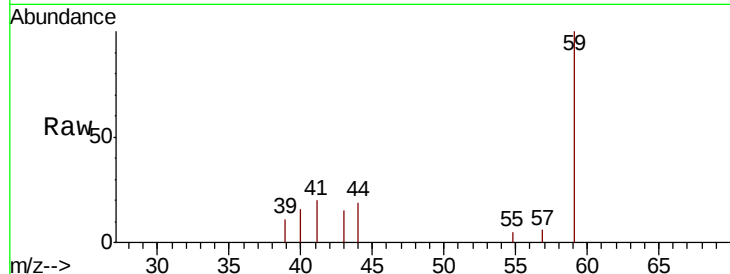
#11  
Tert butyl alcohol  
Concen: 26.372 ug/l  
RT: 4.79 min Scan# 938  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion: 59 Resp: 9981  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

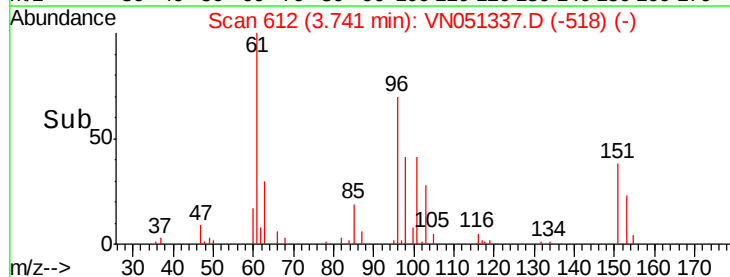
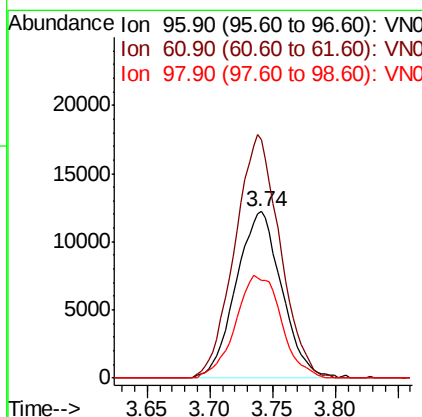
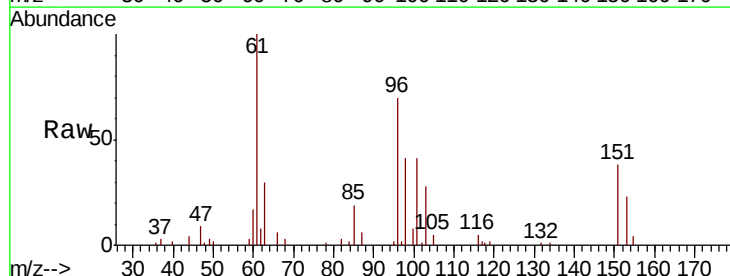
Manual Integrations  
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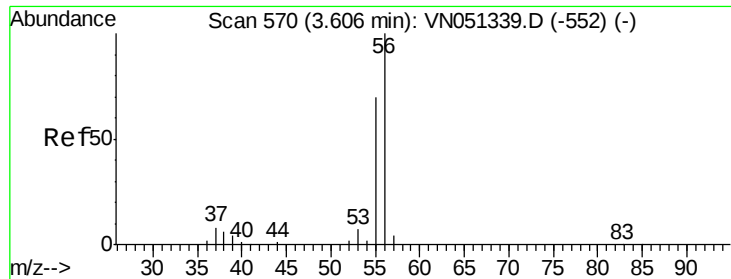
MMDadoda  
9/24/2018 2:48:09 PM



#12  
1,1-Dichloroethene  
Concen: 5.024 ug/l  
RT: 3.74 min Scan# 612  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Tgt Ion: 96 Resp: 30951  
Ion Ratio Lower Upper  
96 100  
61 143.4 116.4 174.6  
98 58.6 50.9 76.3





#13

Acrolein

Concen: 17.467 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7566

Ion Ratio Lower Upper

56 100

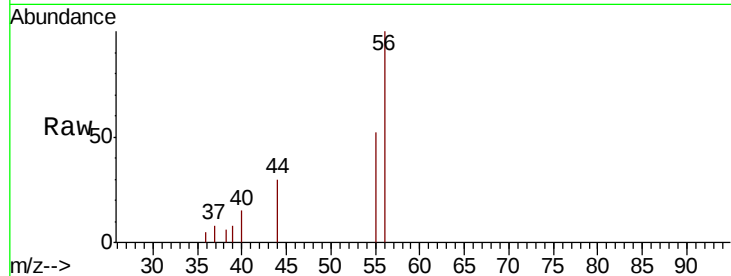
55 66.5 56.5 84.7

Manual Integrations

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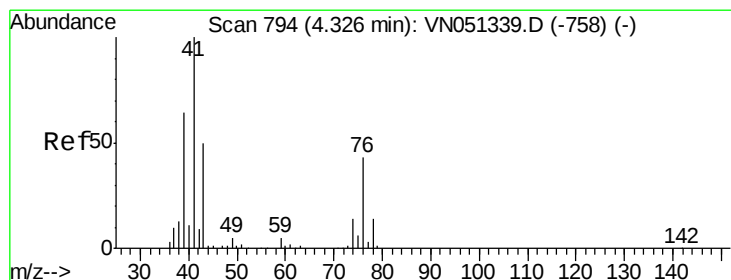
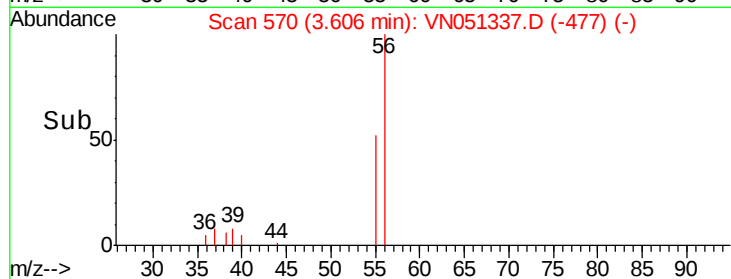
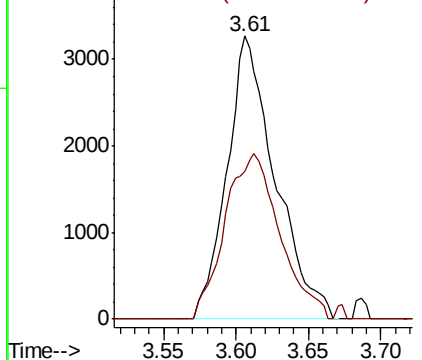
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 4.775 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

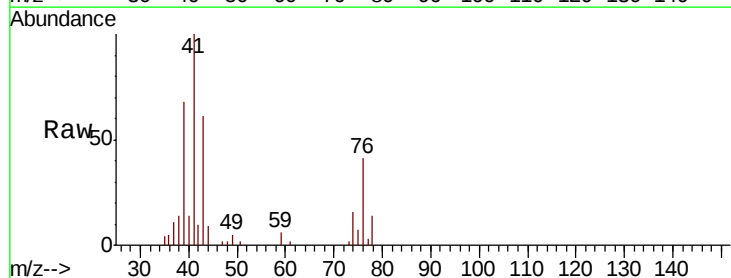
Tgt Ion: 41 Resp: 41461

Ion Ratio Lower Upper

41 100

39 66.3 50.4 75.6

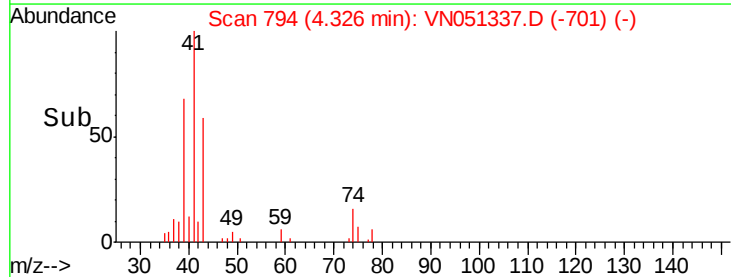
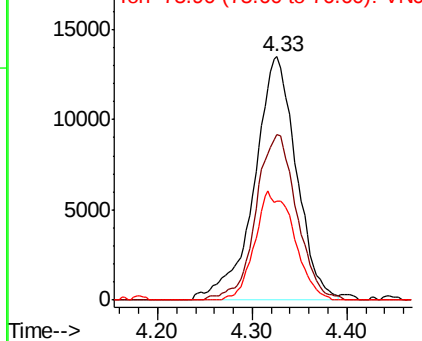
76 42.0 32.4 48.6

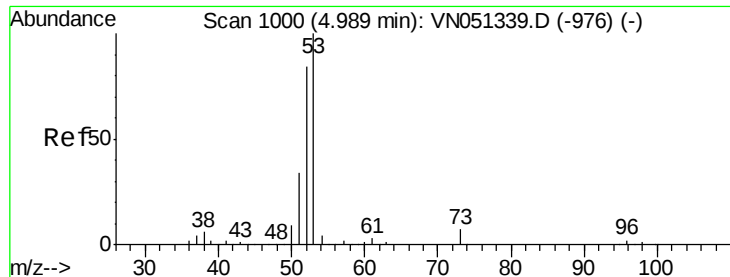


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 25.227 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

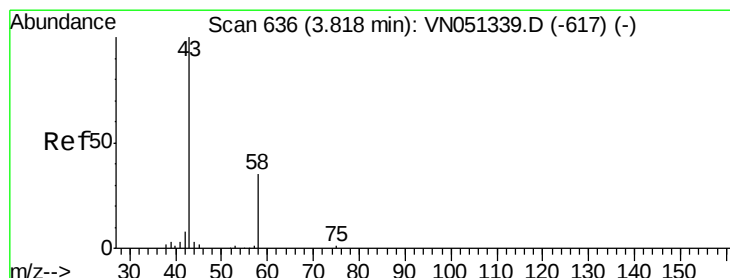
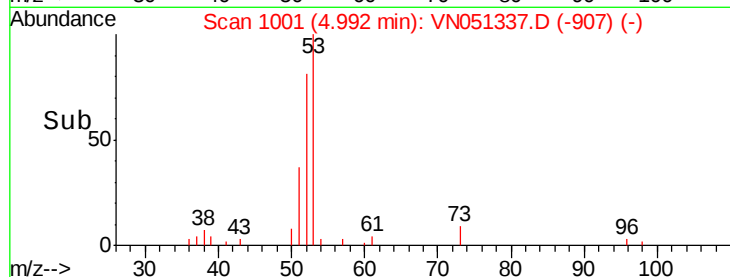
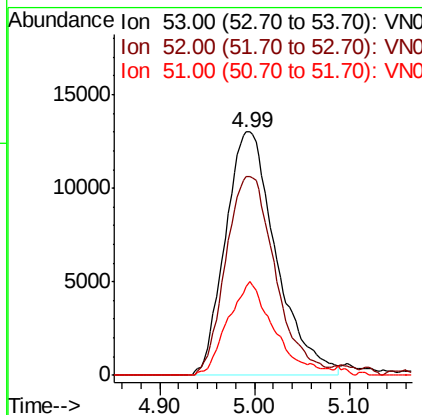
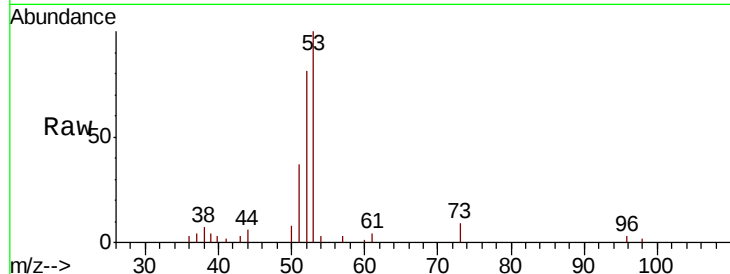
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 53    | Resp: | 48384 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 79.7  | 65.4  | 98.0  |
| 51       | 35.3  | 28.3  | 42.5  |

Manual Integrations  
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#16

Acetone

Concen: 26.990 ug/l

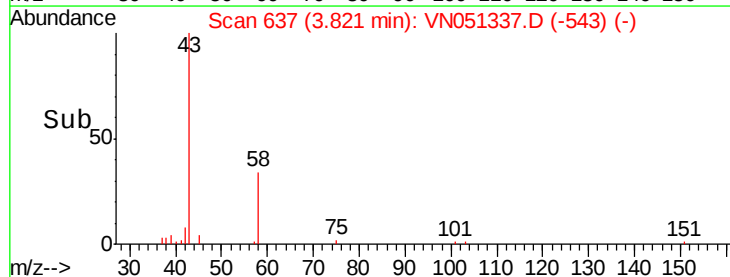
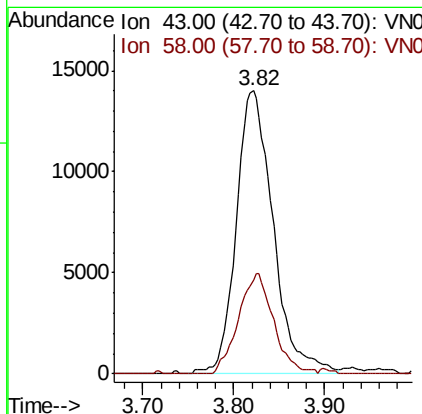
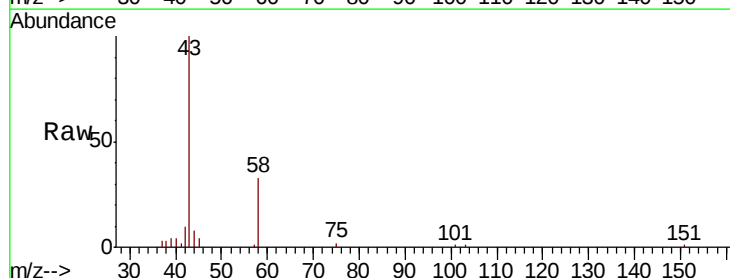
RT: 3.82 min Scan# 637

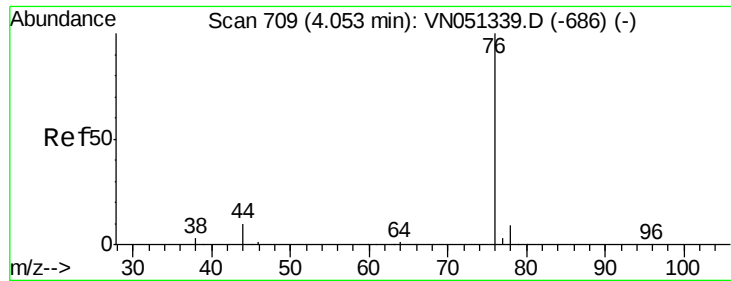
Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 39579 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 33.1  | 28.3  | 42.5  |





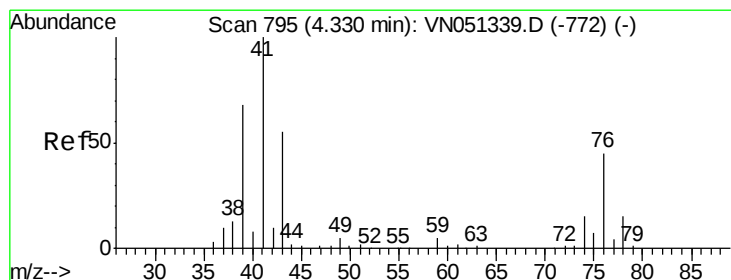
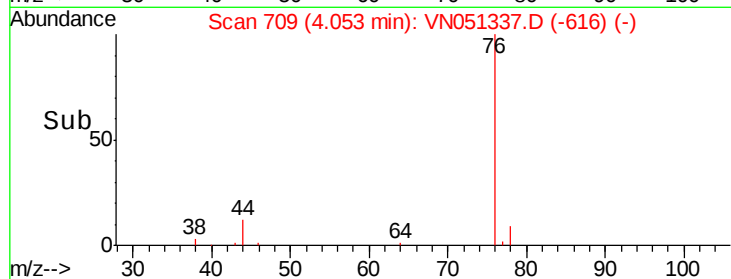
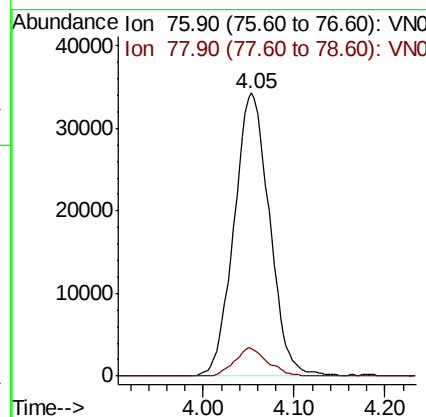
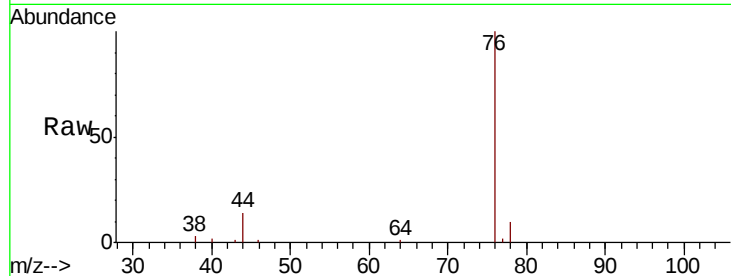
#17  
Carbon Disulfide  
Concen: 4.999 ug/l  
RT: 4.05 min Scan# 709  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.9   | 7.0   | 10.6  |

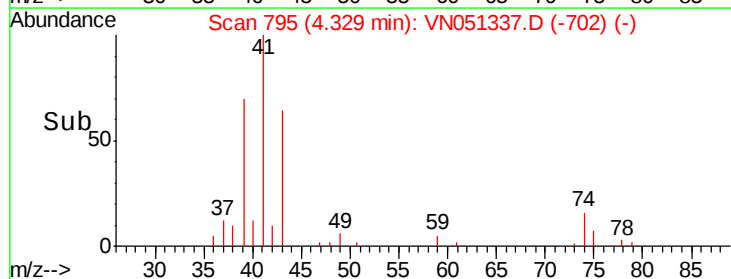
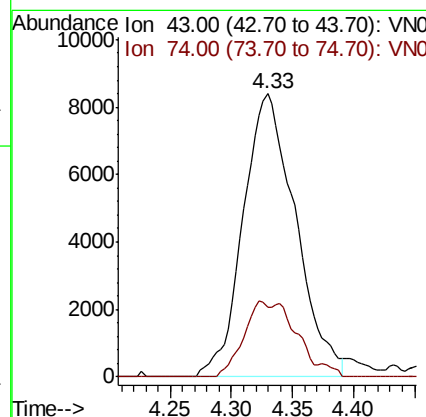
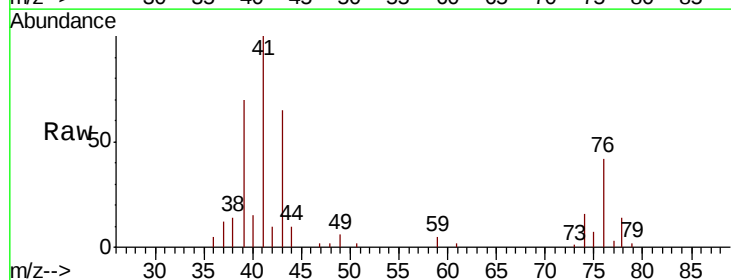
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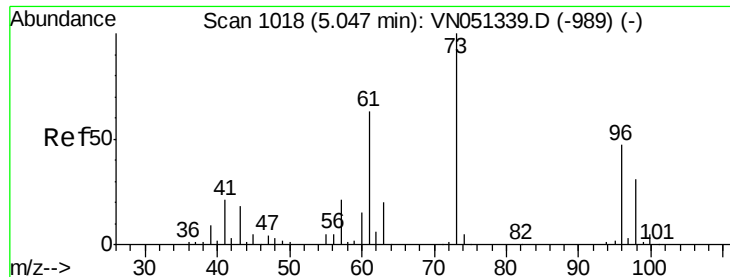
MMDadoda  
9/24/2018 2:48:09 PM



#18  
Methyl Acetate  
Concen: 4.951 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 12.4  | 21.7  | 32.5# |





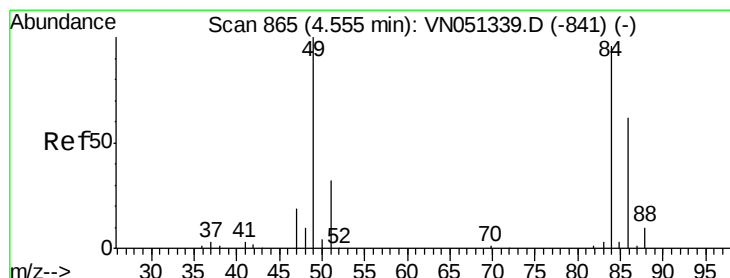
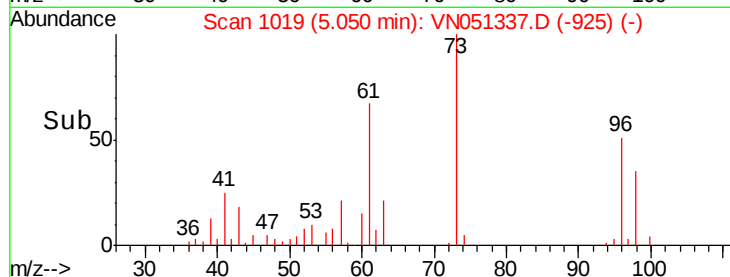
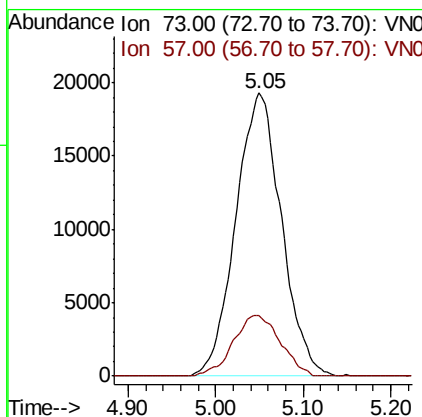
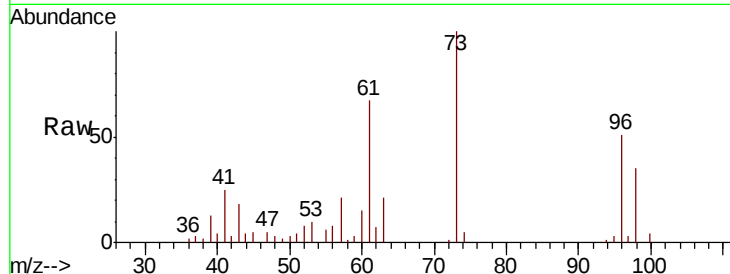
#19  
Methvl tert-butvl Ether  
Concen: 4.685 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

Tot Ion: 73 Resp: 69861  
Ion Ratio Lower Upper  
73 100  
57 21.4 16.9 25.3

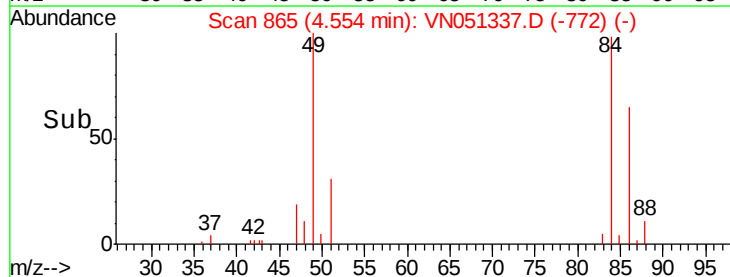
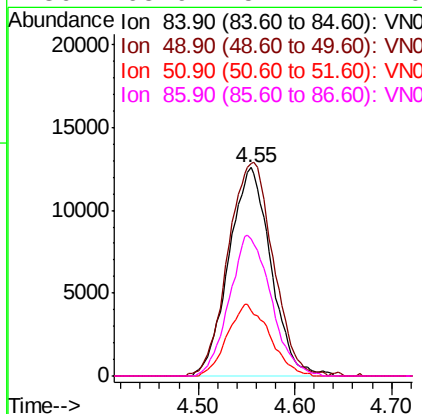
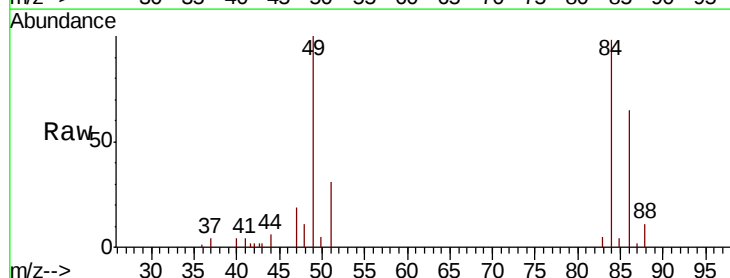
Manual Integrations  
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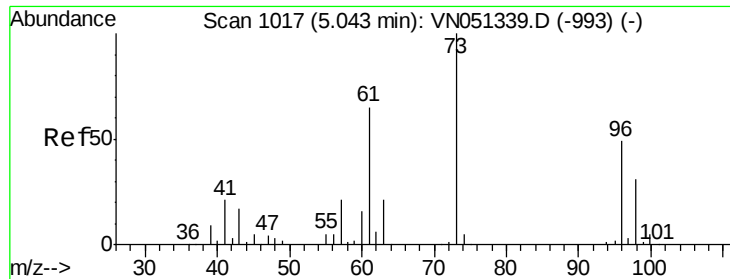
MMDadoda  
9/24/2018 2:48:09 PM



#20  
Methylene Chloride  
Concen: 5.189 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Tgt Ion: 84 Resp: 38079  
Ion Ratio Lower Upper  
84 100  
49 100.8 83.2 124.8  
51 31.5 26.4 39.6  
86 65.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 5.040 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

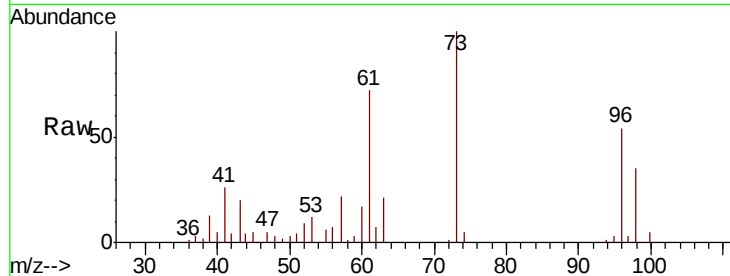
ClientSampleId :

VSTDIC005

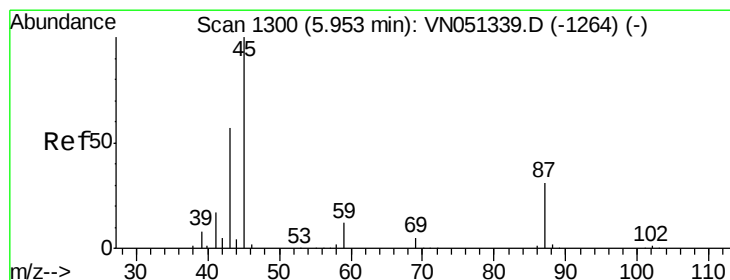
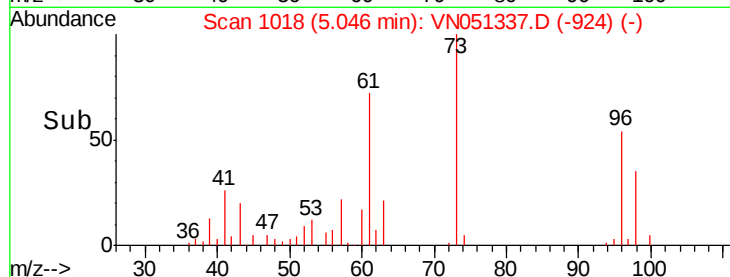
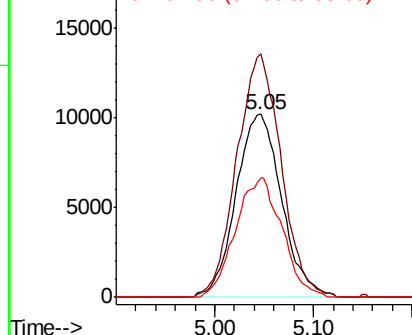
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 32794 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 133.0 | 106.2 | 159.4 |
| 98       | 65.5  | 51.0  | 76.6  |

Manual Integrations  
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MMDadoda  
9/24/2018 2:48:09 PM



Abundance Ion 95.90 (95.60 to 96.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 4.730 ug/l

RT: 5.96 min Scan# 1301

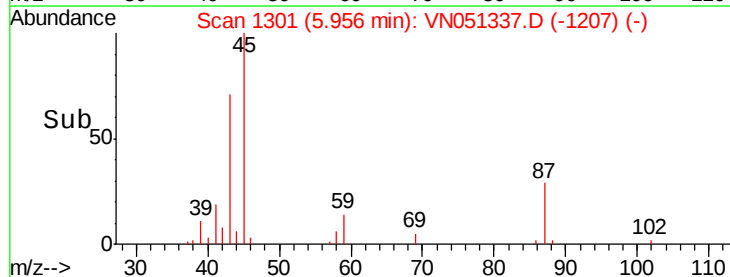
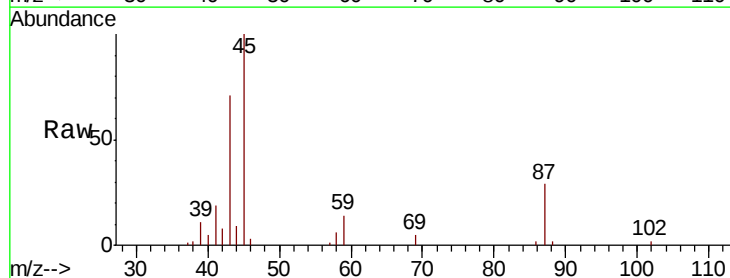
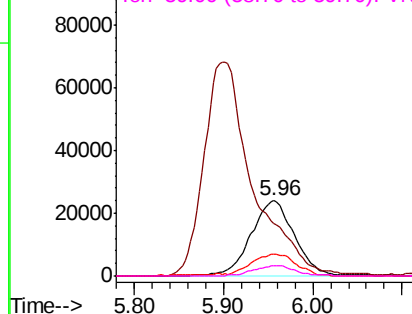
Delta R.T. 0.00 min

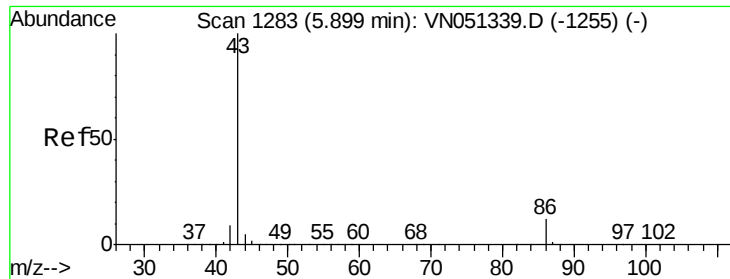
Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 81134 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 66.3  | 46.1  | 69.1  |
| 87       | 29.1  | 25.6  | 38.4  |
| 59       | 14.3  | 9.9   | 14.9  |

Abundance Ion 45.00 (44.70 to 45.70): VNO  
Ion 43.00 (42.70 to 43.70): VNO  
Ion 87.00 (86.70 to 87.70): VNO  
Ion 59.00 (58.70 to 59.70): VNO





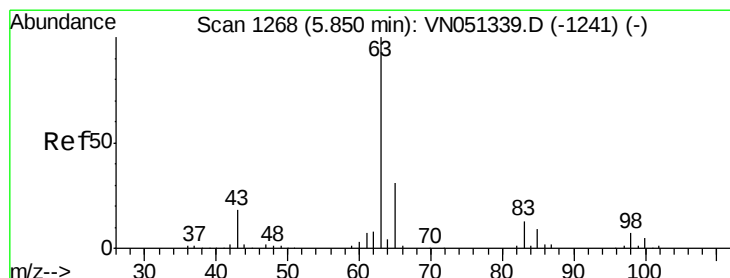
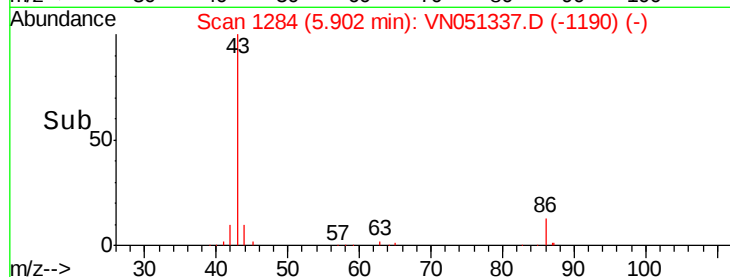
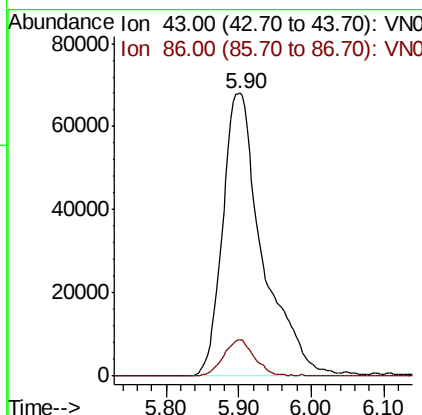
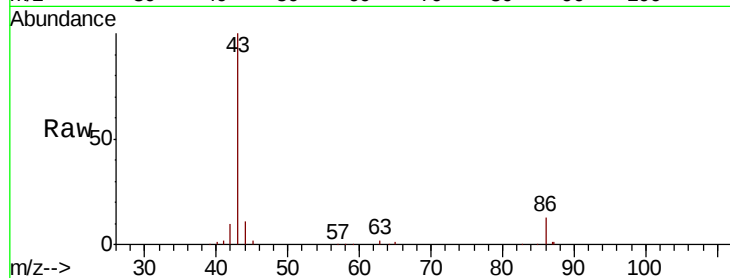
#23  
 Vinyl Acetate  
 Concen: 23.360 ug/l  
 RT: 5.90 min Scan# 1284  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | 43  | 86   | Resp | Lower | Upper |
|---------|-----|------|------|-------|-------|
| 259184  | 100 | 13.0 |      | 9.8   | 14.6  |

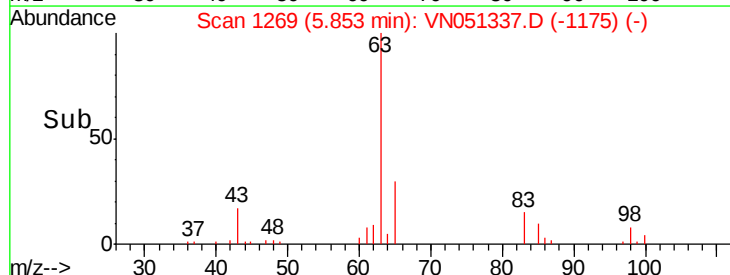
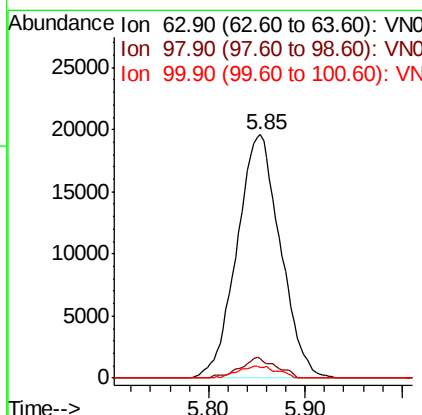
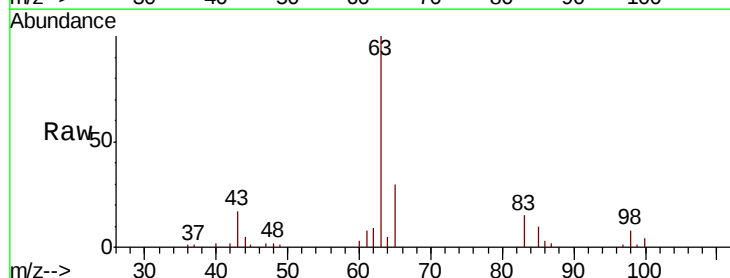
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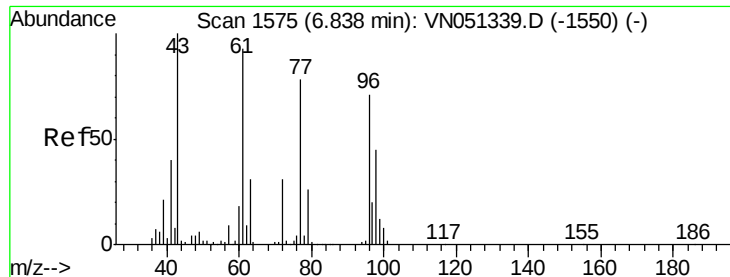
MMDadoda  
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#24  
 1,1-Dichloroethane  
 Concen: 5.224 ug/l  
 RT: 5.85 min Scan# 1269  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

| Tgt Ion | 63  | 98  | 100 | Resp | Lower | Upper |
|---------|-----|-----|-----|------|-------|-------|
| 61083   | 100 | 7.8 | 4.3 |      | 3.4   | 10.2  |
|         |     |     |     |      | 2.3   | 6.9   |





#25

2-Butanone

Concen: 26.341 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 53726

Ion Ratio Lower Upper

43 100

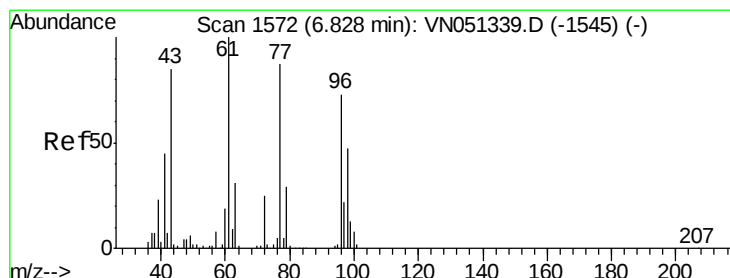
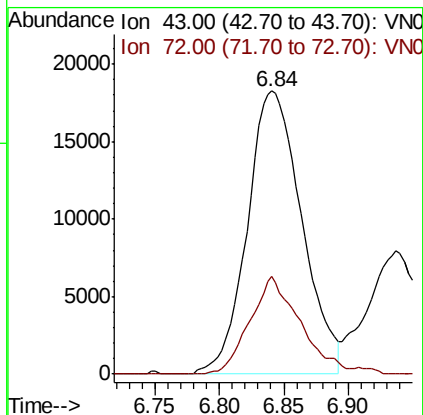
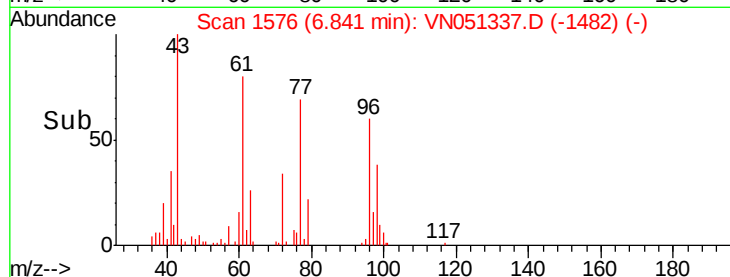
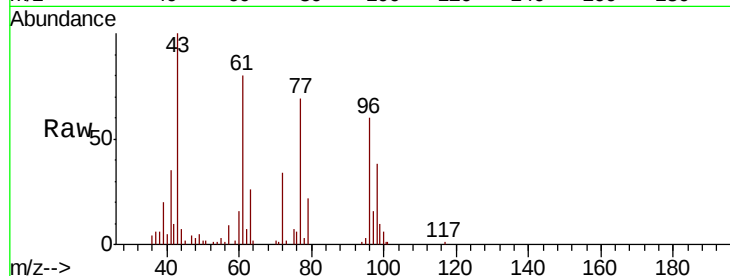
72 34.5 24.7 37.1

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#26

2,2-Dichloropropane

Concen: 5.144 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051337.D

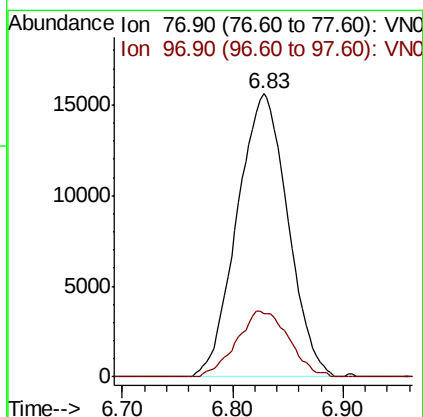
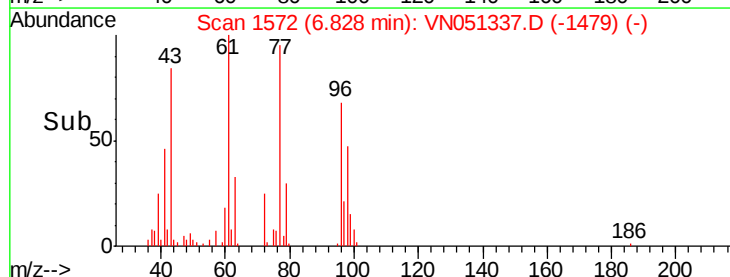
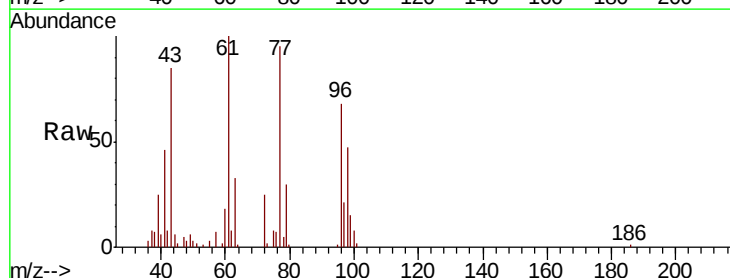
Acq: 20 Sep 2018 13:52

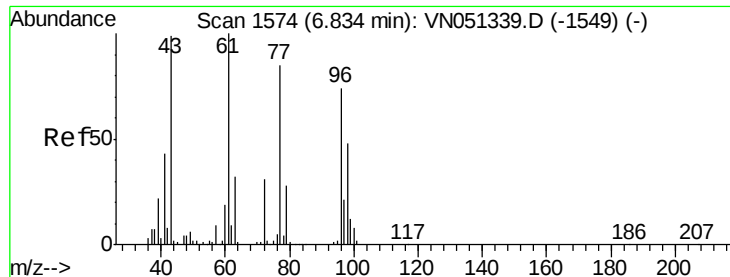
Tgt Ion: 77 Resp: 49697

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 4.801 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

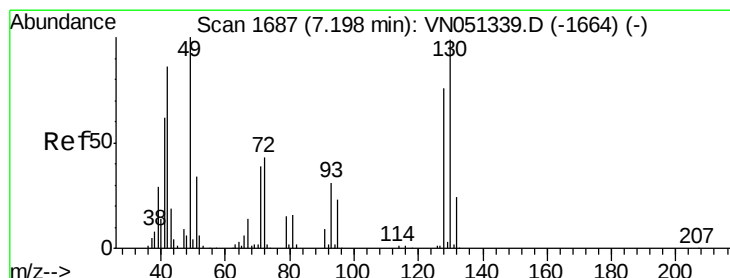
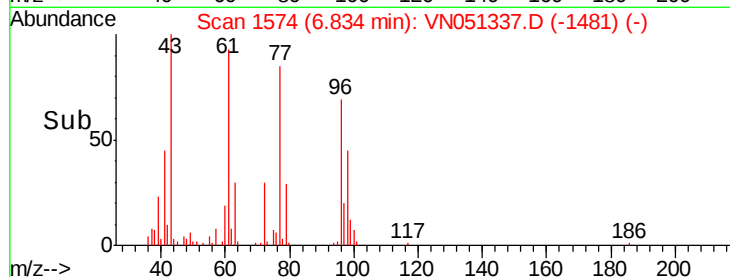
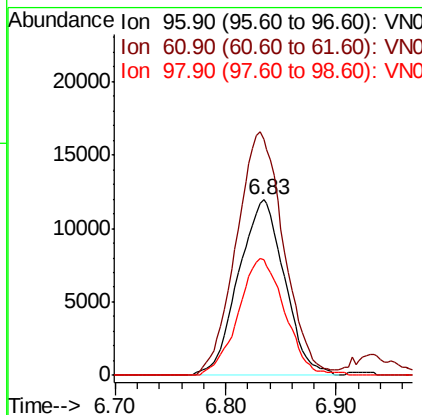
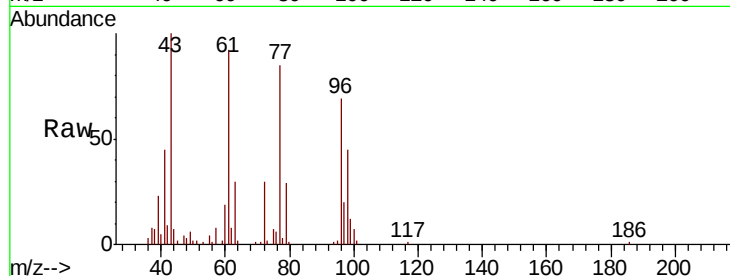
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 34616 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 143.0 | 0.0   | 271.2 |
| 98       | 67.0  | 0.0   | 131.2 |

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#28

Bromochloromethane

Concen: 5.018 ug/l

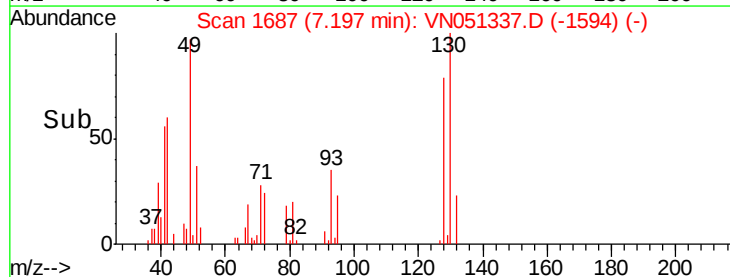
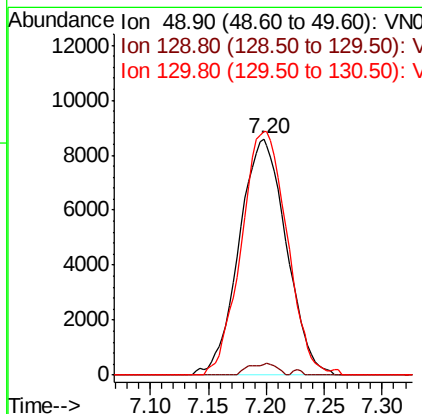
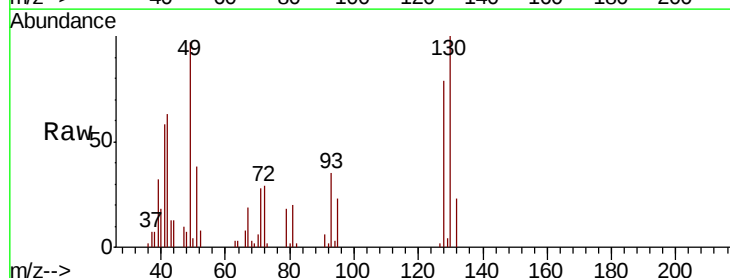
RT: 7.20 min Scan# 1687

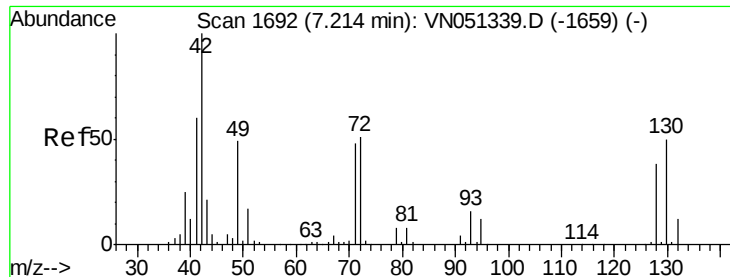
Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 24317 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.5   | 0.0   | 4.0   |
| 130      | 100.2 | 77.4  | 116.2 |





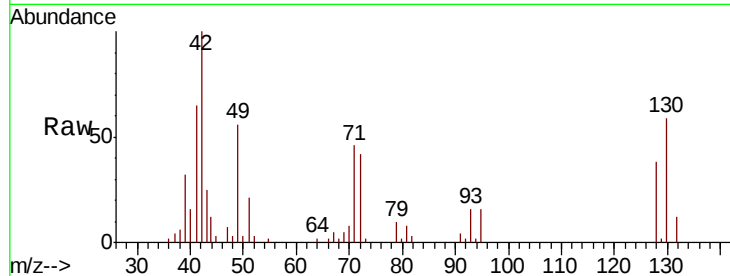
#29  
Tetrahydrofuran  
Concen: 23.271 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

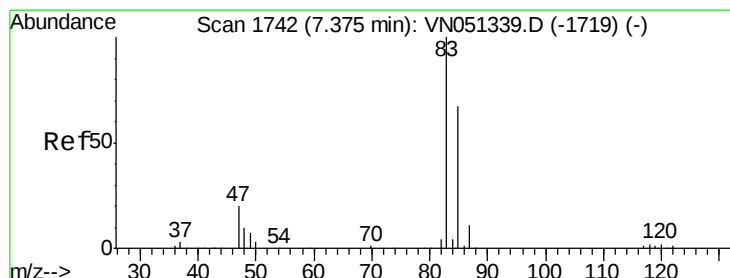
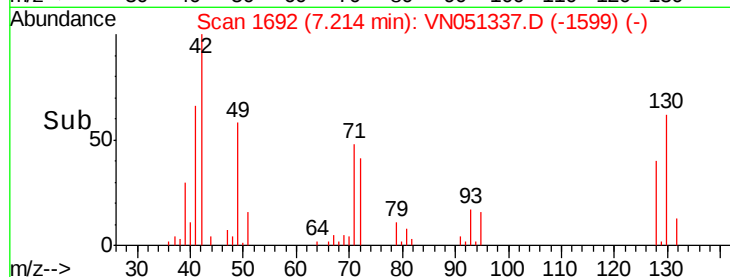
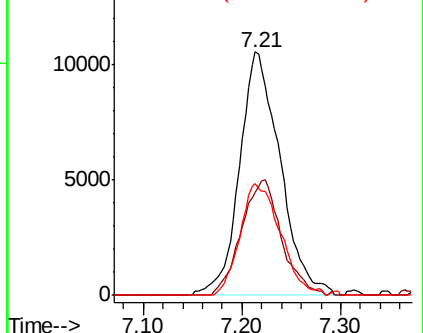
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.5  | 39.0  | 58.4  |
| 71      | 45.5  | 36.5  | 54.7  |

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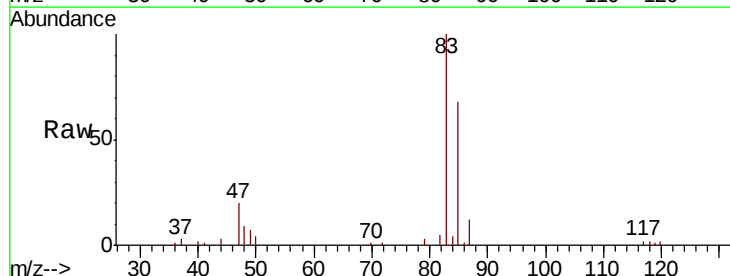


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

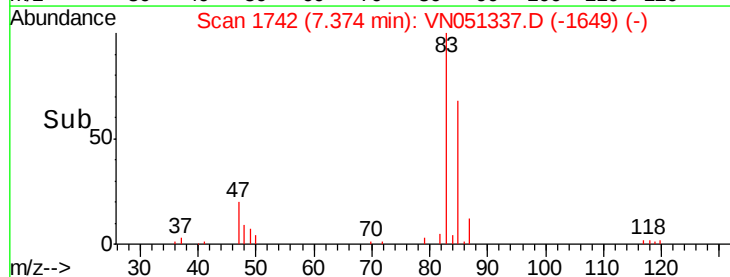
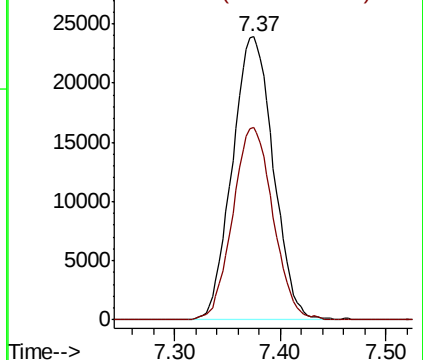


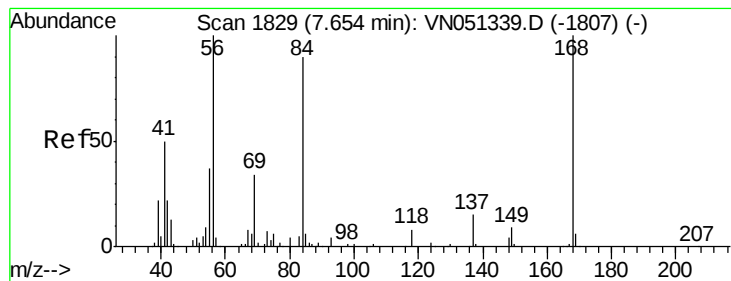
#30  
Chloroform  
Concen: 5.259 ug/l  
RT: 7.37 min Scan# 1742  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 68.2  | 53.2  | 79.8  |



Abundance Ion 82.90 (82.60 to 83.60): VN0  
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 4.592 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

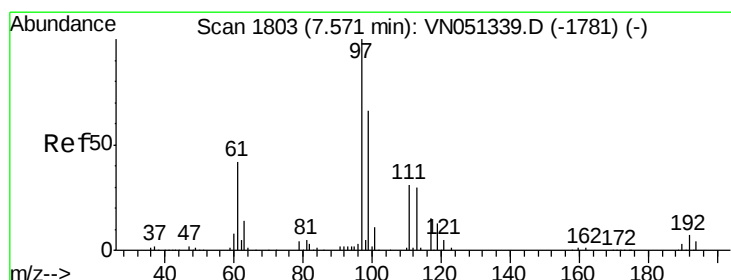
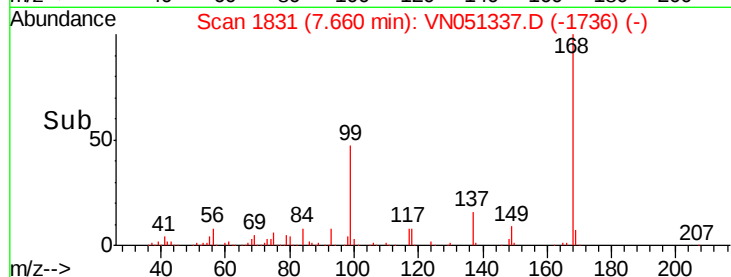
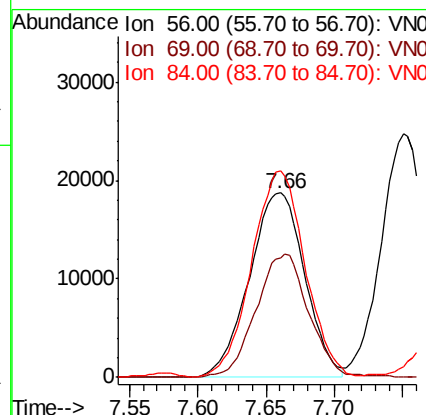
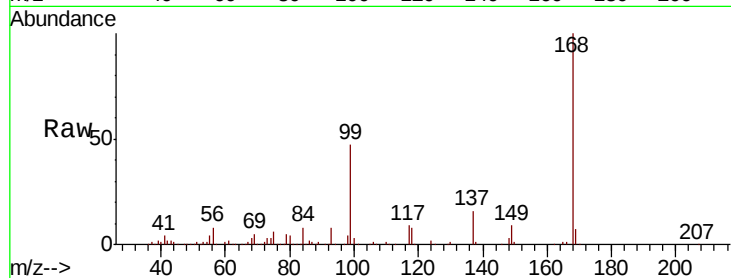
ClientSampleID :

VSTDIC005

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 52834  |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 65.0  | 27.3  | 40.9#  |
| 84        | 111.8 | 72.2  | 108.2# |

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#32

1,1,1-Trichloroethane

Concen: 5.095 ug/l

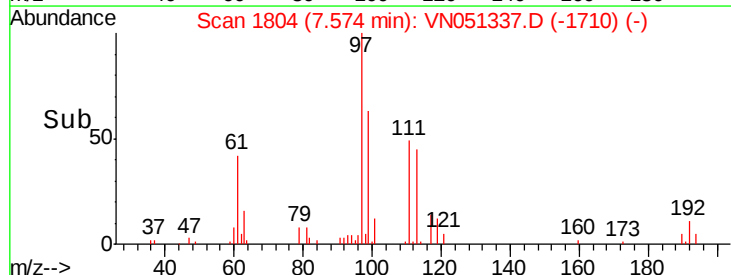
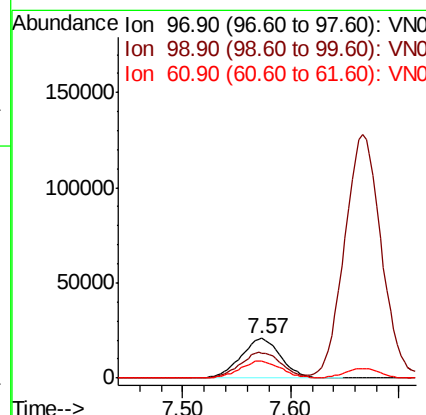
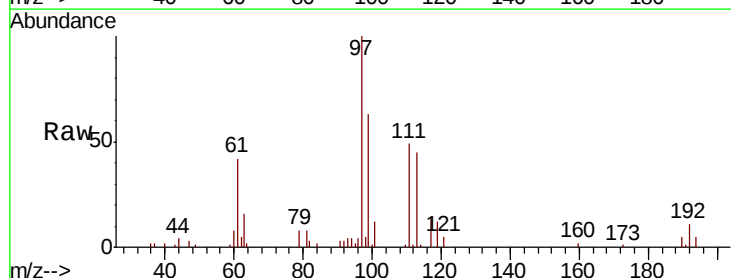
RT: 7.57 min Scan# 1804

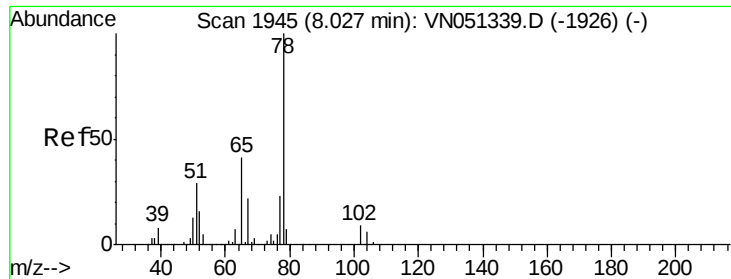
Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 97    | Resp: | 53939 |
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 66.2  | 51.1  | 76.7  |
| 61        | 43.4  | 33.2  | 49.8  |





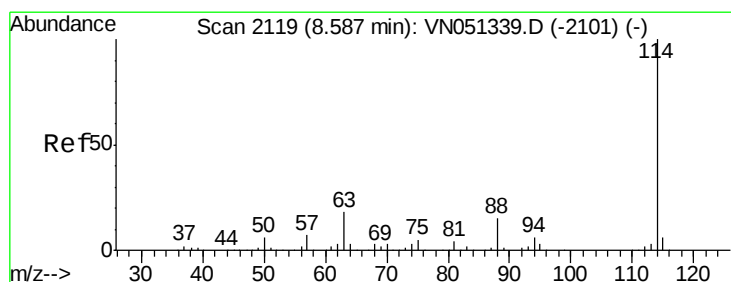
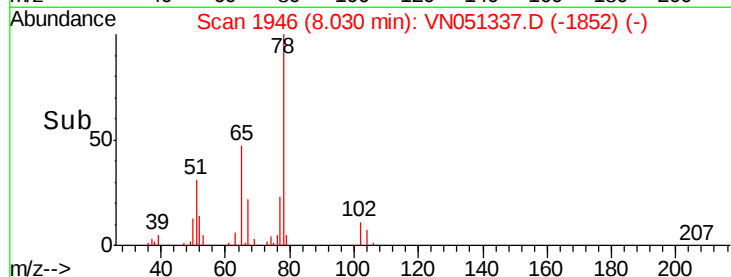
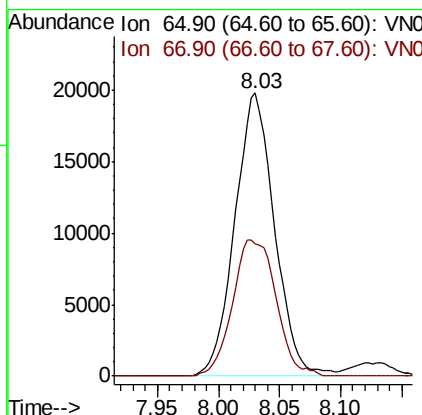
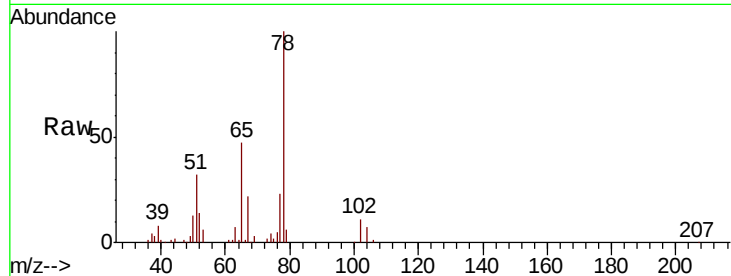
#33  
 1,2-Dichloroethane-d4  
 Concen: 6.244 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 65 Resp: 44572  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 108.8

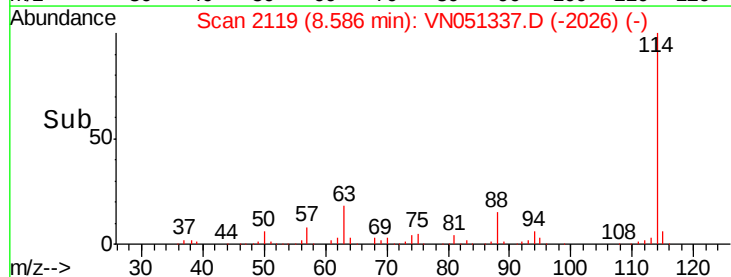
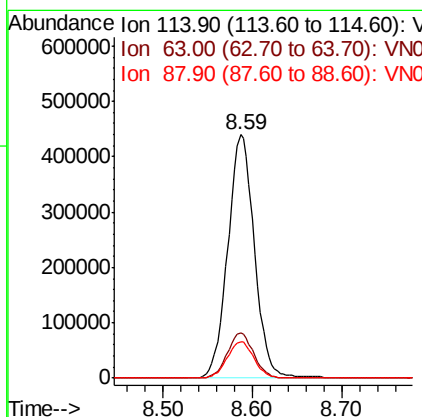
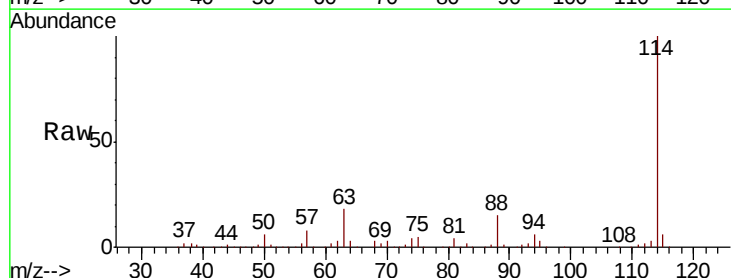
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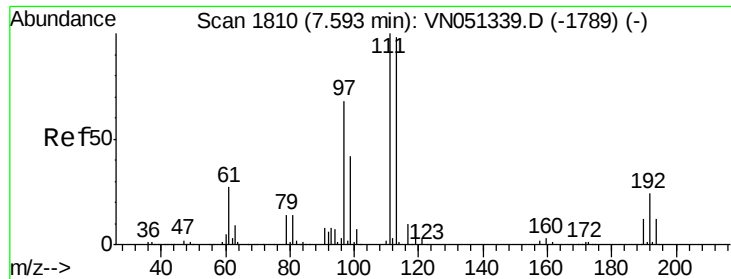
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Tgt Ion: 114 Resp: 909371  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 36.6  
 88 15.0 0.0 29.8





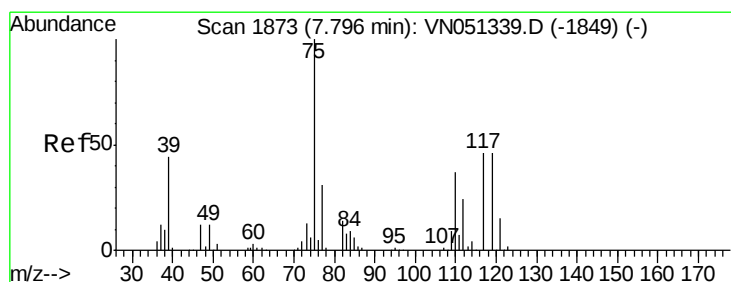
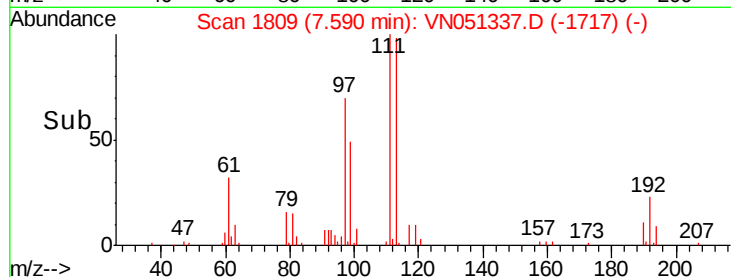
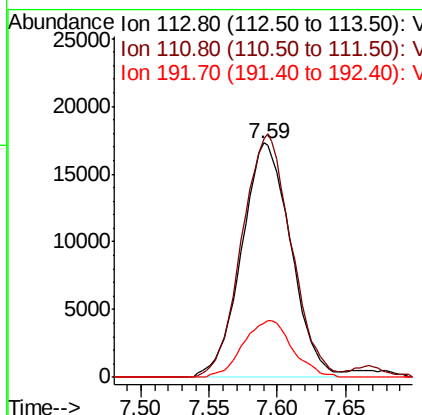
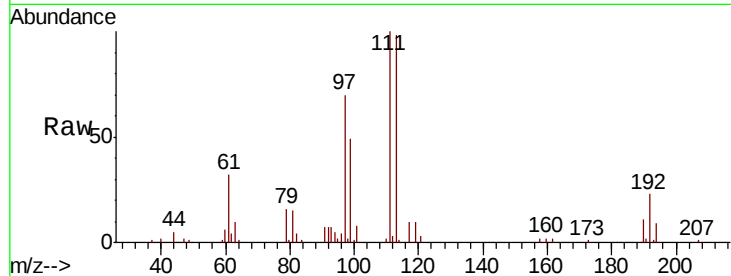
#35  
 Dibromofluoromethane  
 Concen: 5.895 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.0 | 81.9  | 122.9 |
| 192     | 24.2  | 19.8  | 29.6  |

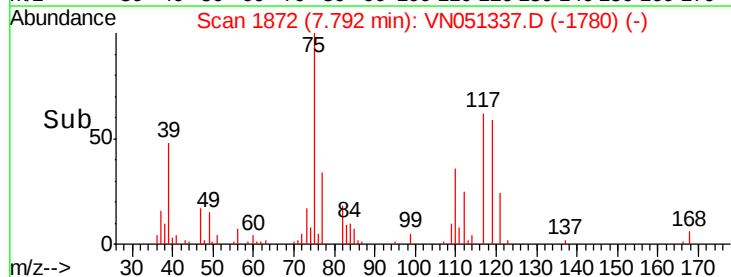
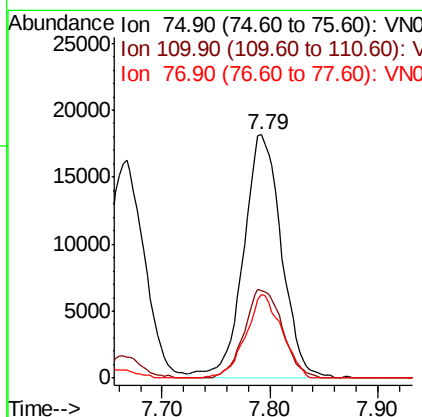
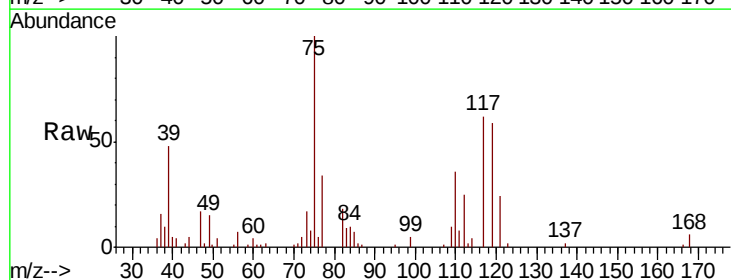
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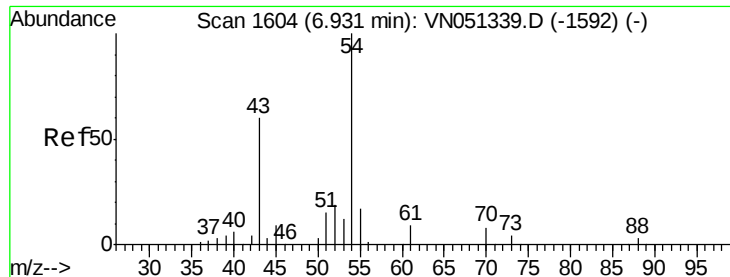
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#36  
 1,1-Dichloropropene  
 Concen: 4.781 ug/l  
 RT: 7.79 min Scan# 1872  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.6  | 18.9  | 56.5  |
| 77      | 32.7  | 25.4  | 38.2  |





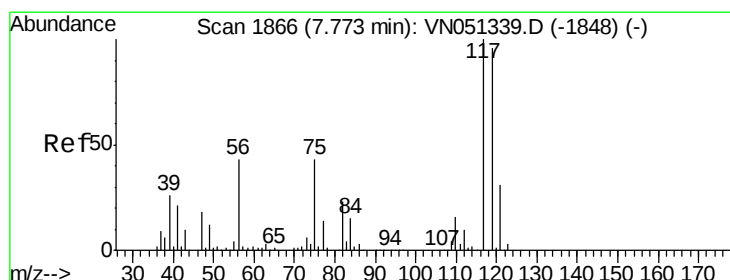
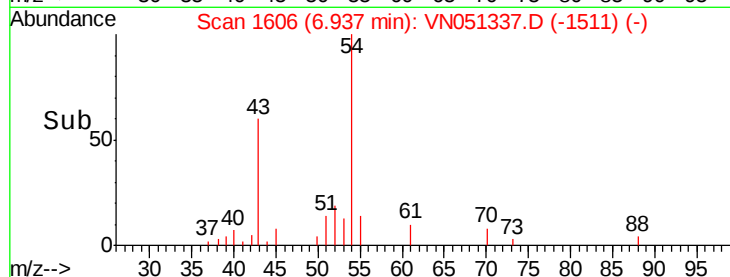
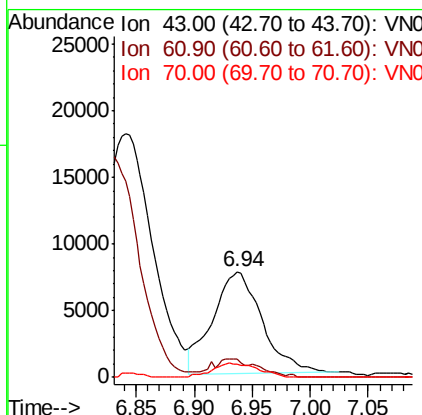
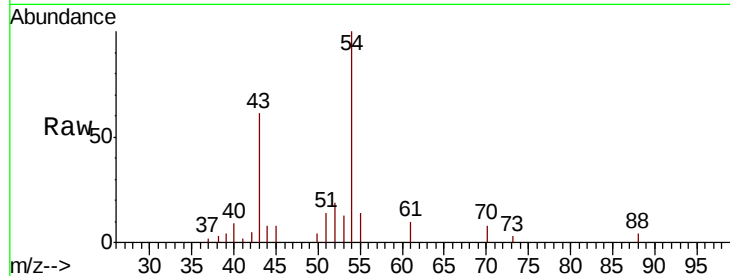
#37  
Ethyl Acetate  
Concen: 4.980 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.01 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 22935 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 16.7  | 13.6  | 20.4  |
| 70       | 12.5  | 9.4   | 14.2  |

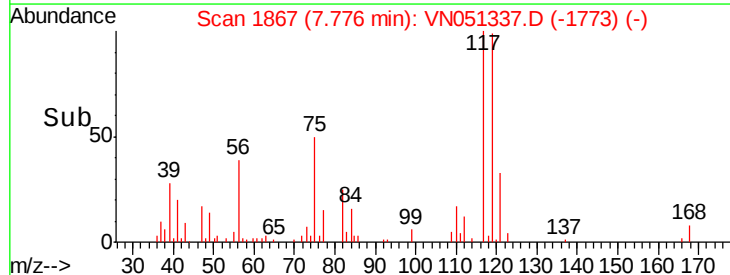
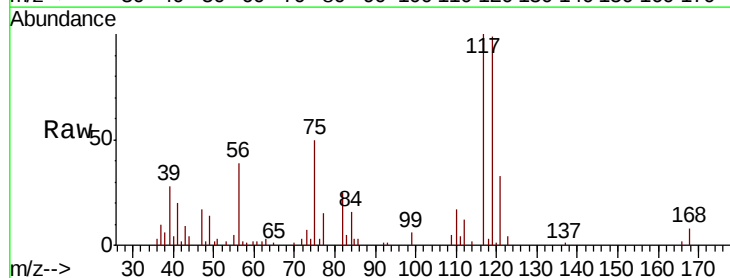
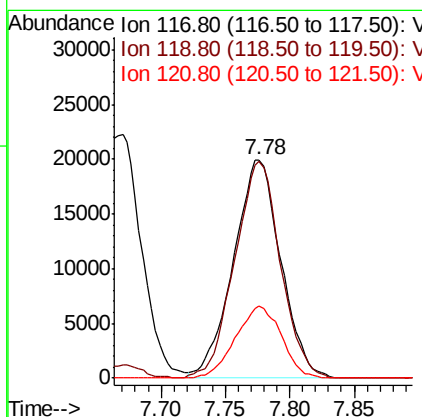
Manual Integrations  
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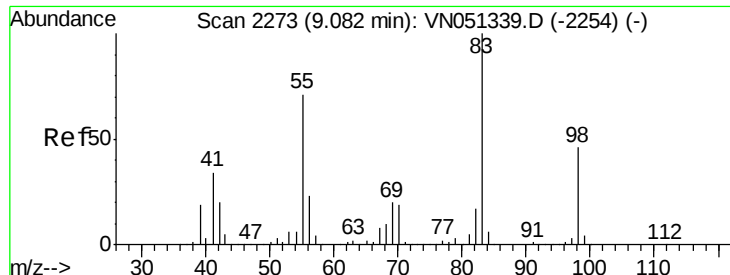
MMDadoda  
9/24/2018 2:48:09 PM



#38  
Carbon Tetrachloride  
Concen: 5.077 ug/l  
RT: 7.78 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 51090 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 99.2  | 77.0  | 115.4 |
| 121      | 33.0  | 25.0  | 37.4  |





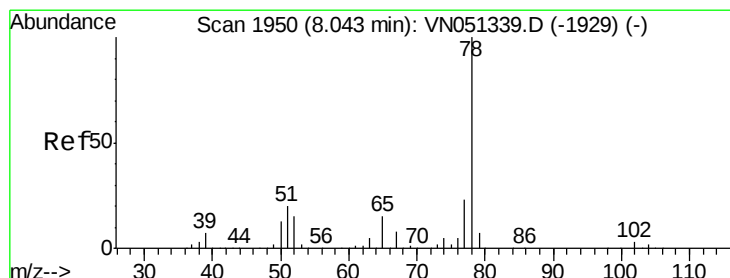
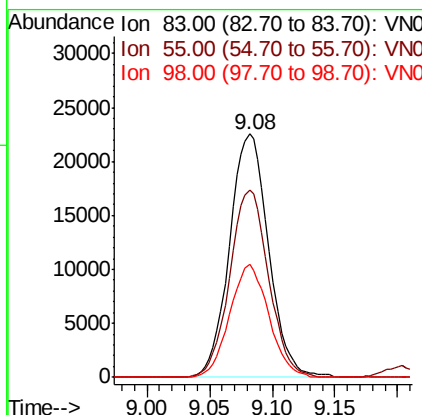
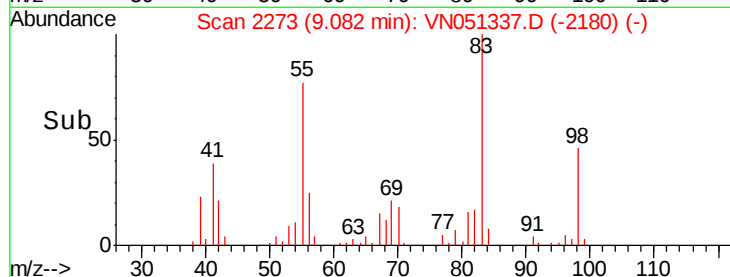
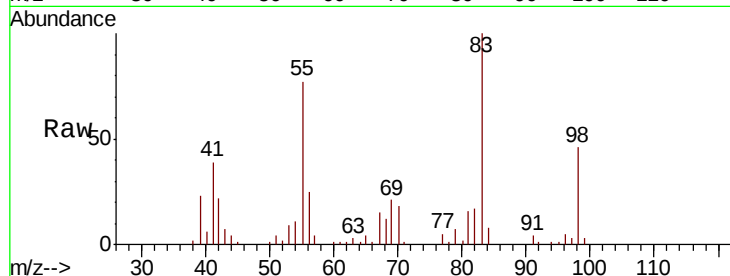
#39  
Methvlcvclohexane  
Concen: 4.491 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion   | 83   | Resp  | 48755 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 83        | 100  |       |       |
| 55        | 76.8 | 56.5  | 84.7  |
| 98        | 46.3 | 36.7  | 55.1  |

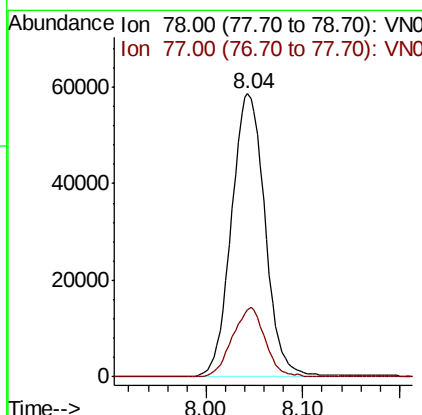
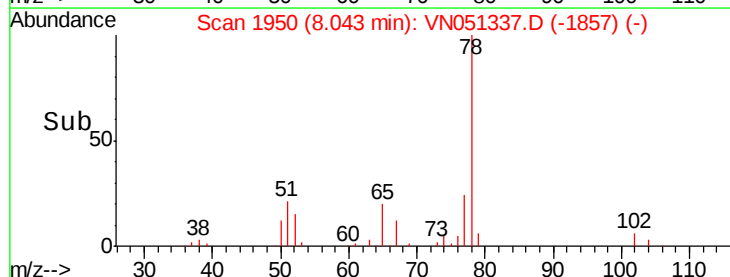
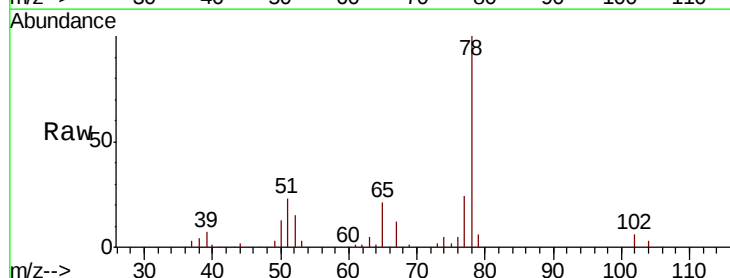
Manual Integrations  
APPROVED

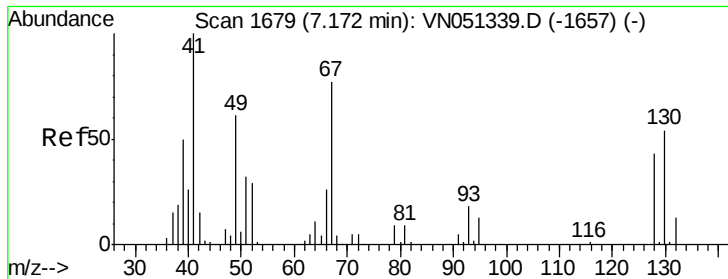
MMDadoda  
9/24/2018 2:48:09 PM



#40  
Benzene  
Concen: 5.049 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion   | 78   | Resp  | 141506 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 78        | 100  |       |        |
| 77        | 23.9 | 18.5  | 27.7   |





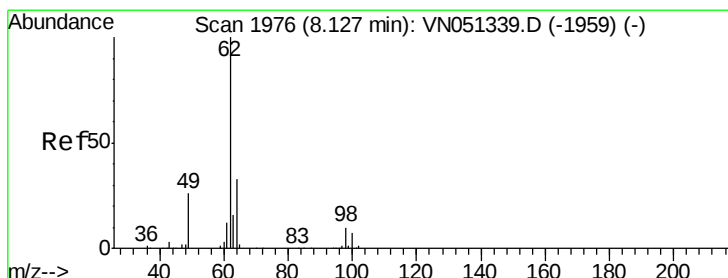
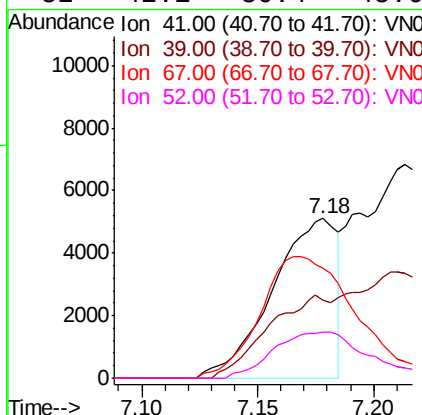
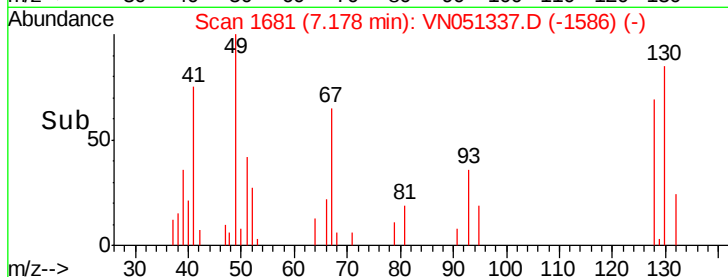
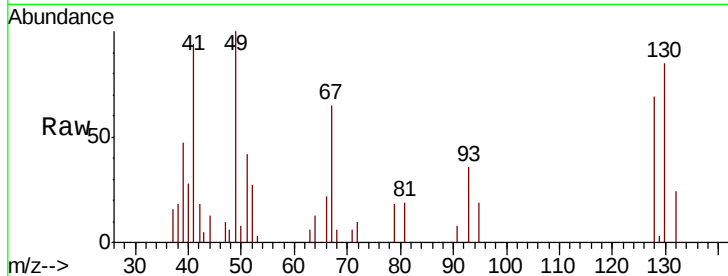
#41  
Methacrylonitrile  
Concen: 4.139 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 49.6  | 51.3  | 76.9# |
| 67      | 110.8 | 77.0  | 115.4 |
| 52      | 42.1  | 30.4  | 45.6  |

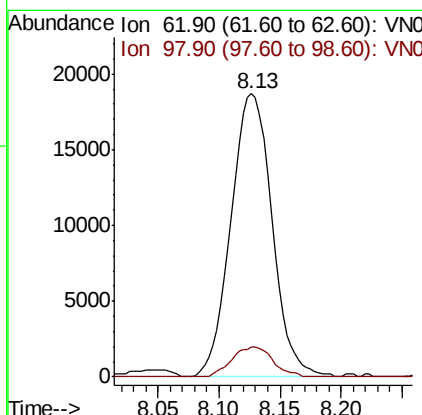
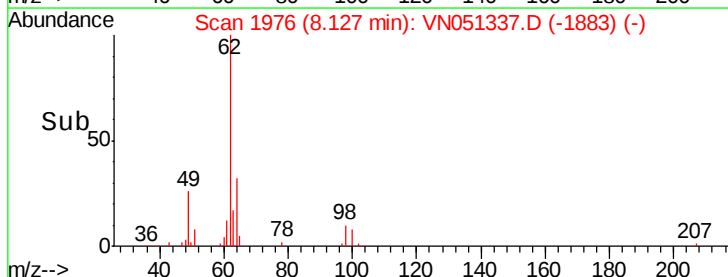
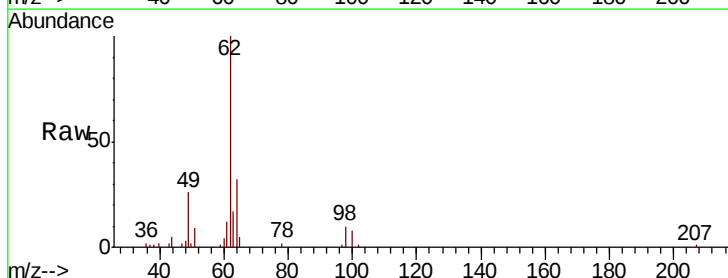
Manual Integrations  
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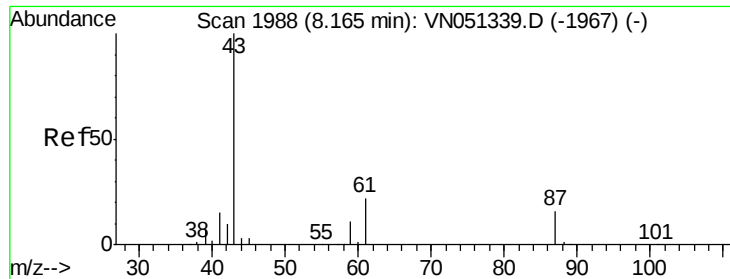
MMDadoda  
9/24/2018 2:48:09 PM



#42  
1,2-Dichloroethane  
Concen: 5.173 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.6  | 0.0   | 20.6  |





#43

Isopropyl Acetate

Concen: 5.259 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

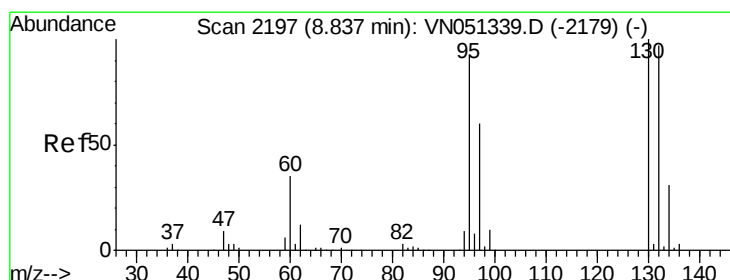
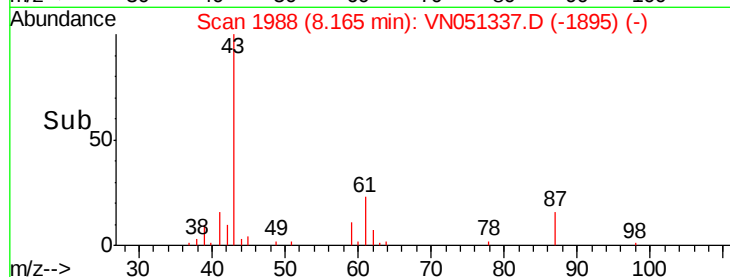
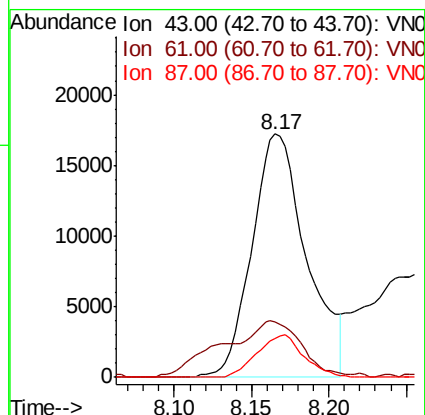
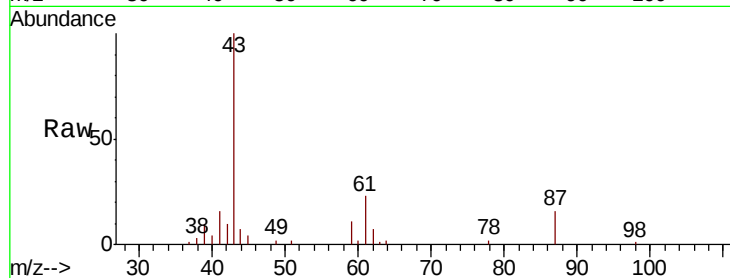
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 42415 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 33.3  | 18.1  | 27.1# |
| 87       | 14.8  | 12.8  | 19.2  |

Manual Integrations  
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#44

Trichloroethene

Concen: 5.065 ug/l

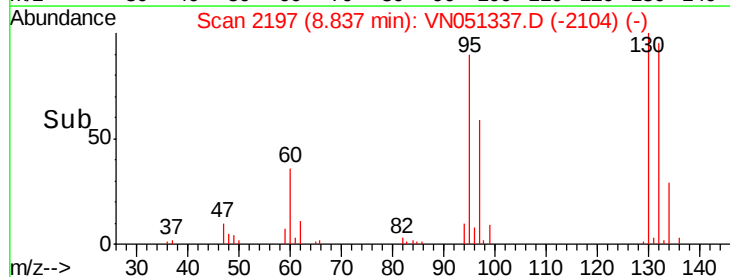
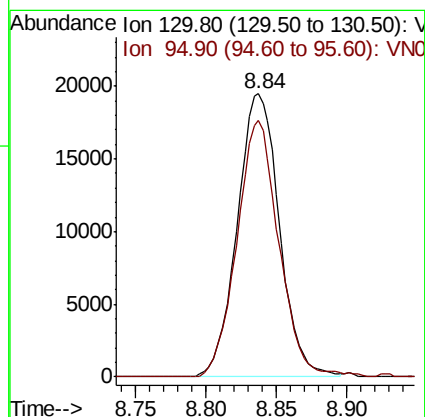
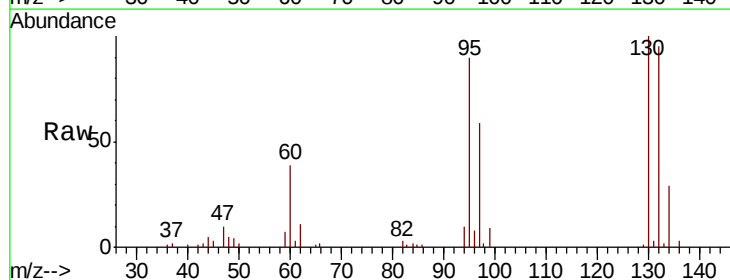
RT: 8.84 min Scan# 2197

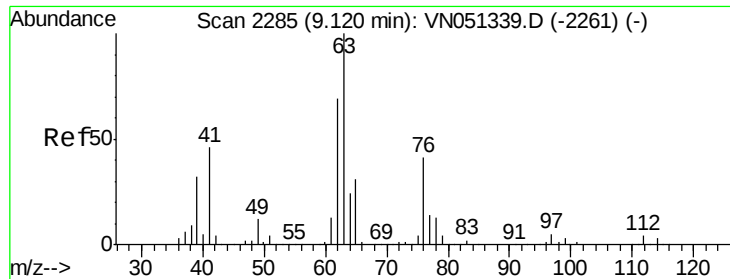
Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 40749 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 90.4  | 0.0   | 185.6 |





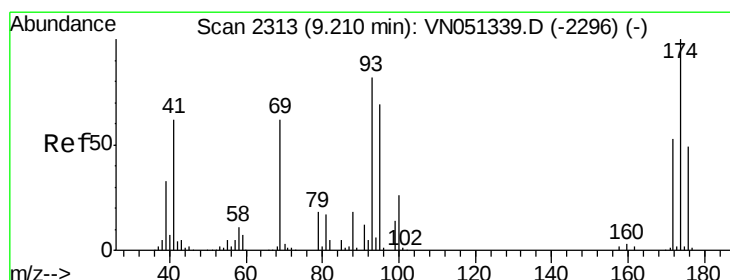
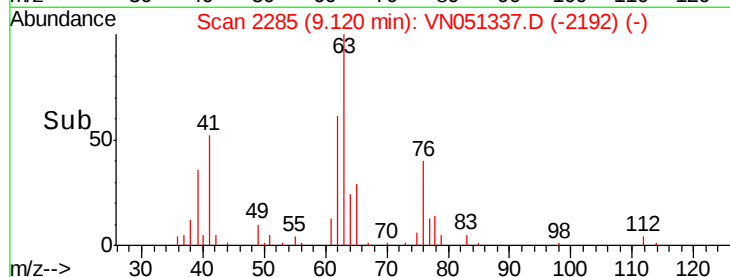
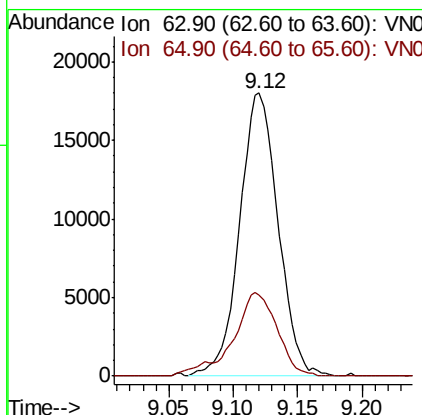
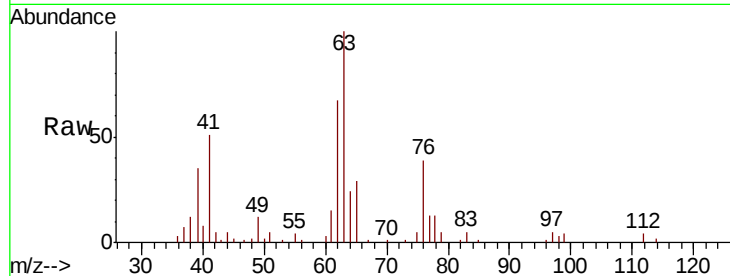
#45  
 1,2-Dichloropropane  
 Concen: 5.233 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 63 Resp: 37532  
 Ion Ratio Lower Upper  
 63 100  
 65 28.8 24.7 37.1

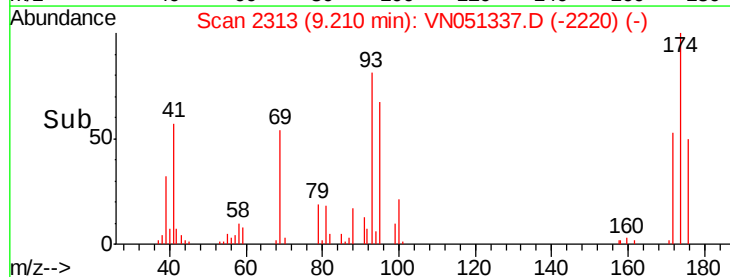
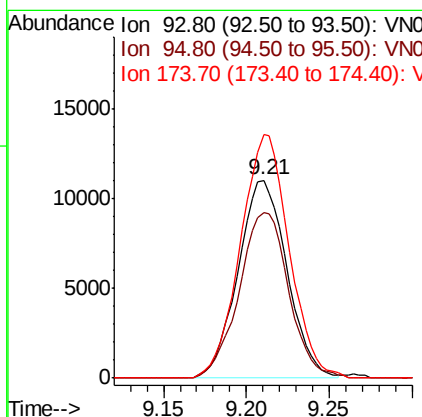
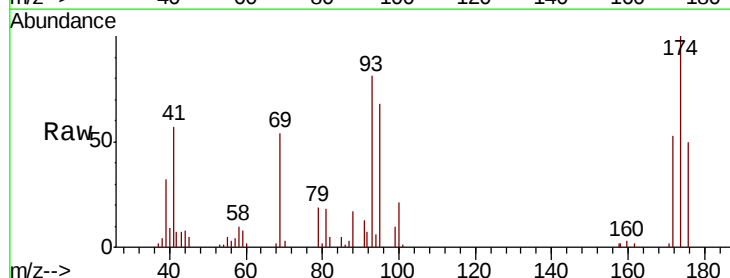
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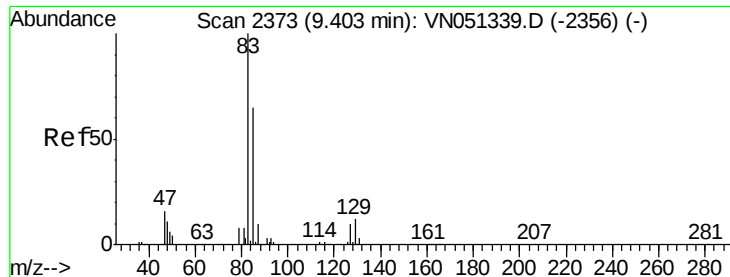
MMDadoda  
 9/24/2018 2:48:09 PM



#46  
 Dibromomethane  
 Concen: 5.132 ug/l  
 RT: 9.21 min Scan# 2313  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Tgt Ion: 93 Resp: 22691  
 Ion Ratio Lower Upper  
 93 100  
 95 84.6 67.6 101.4  
 174 122.4 98.9 148.3





#47

Bromodichloromethane

Concen: 4.921 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

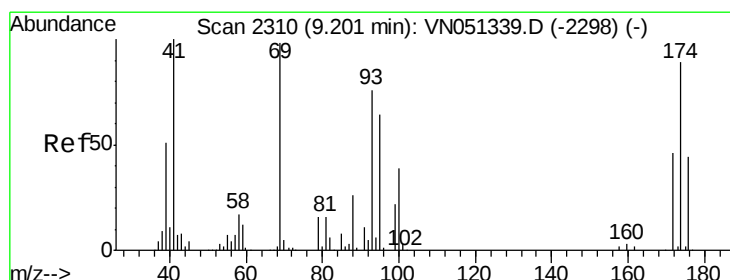
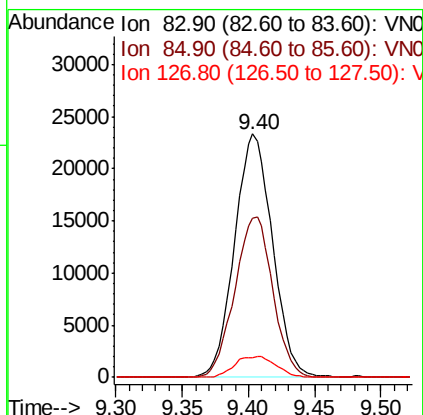
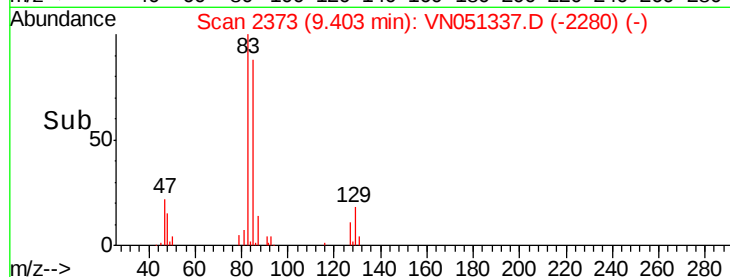
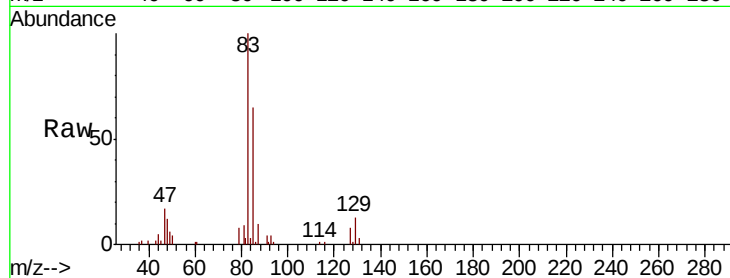
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 83    | Resp: | 46407 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 65.2  | 51.6  | 77.4  |
| 127      | 8.3   | 7.8   | 11.6  |

Manual Integrations  
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#48

Methyl methacrylate

Concen: 4.828 ug/l

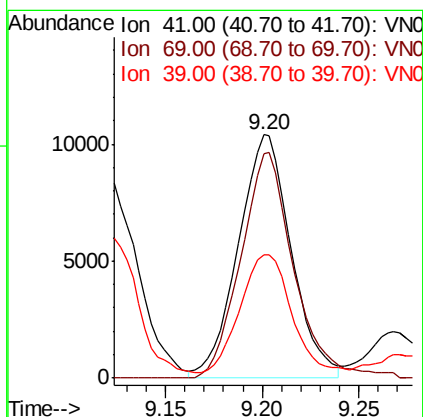
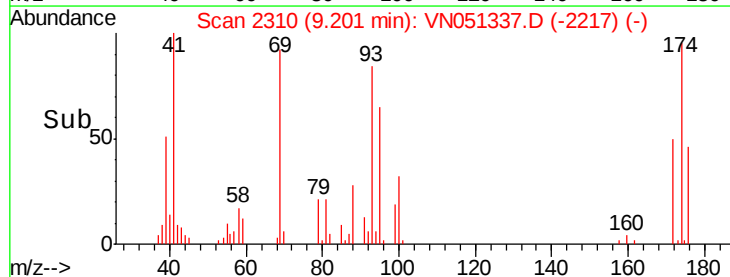
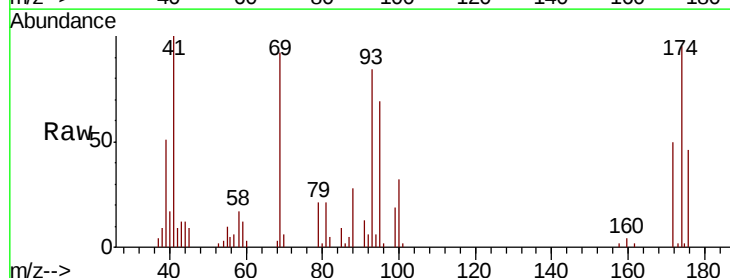
RT: 9.20 min Scan# 2310

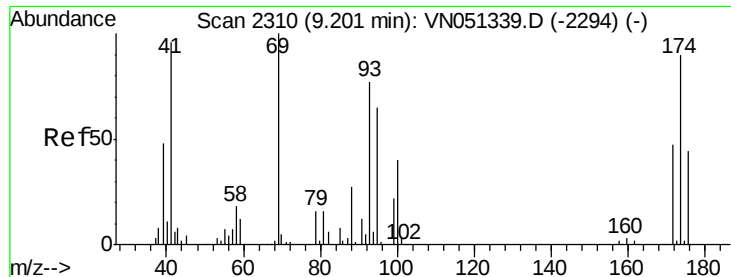
Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 19849 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 92.9  | 79.4  | 119.0 |
| 39       | 49.4  | 43.0  | 64.6  |





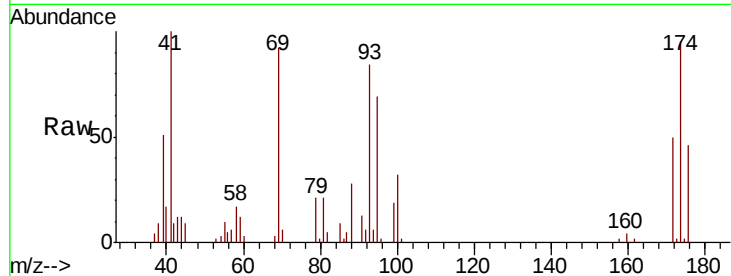
#49  
 1,4-Dioxane  
 Concen: 98.565 ug/l  
 RT: 9.20 min Scan# 2310  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 32.4  | 23.5  | 35.3  |
| 58      | 62.1  | 52.1  | 78.1  |

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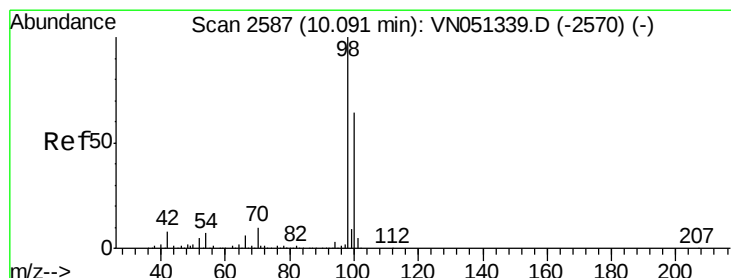
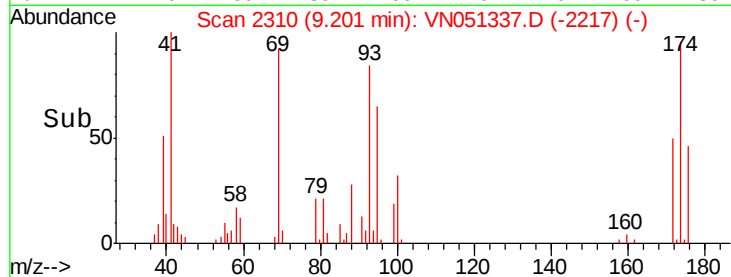
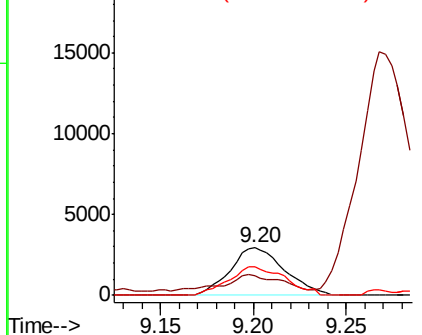


Abundance

Ion 88.00 (87.70 to 88.70): VN0

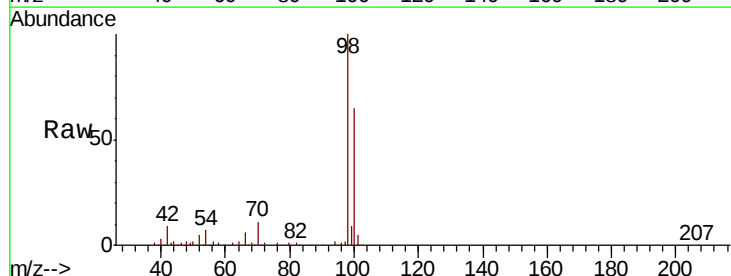
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50  
 Toluene-d8  
 Concen: 5.925 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

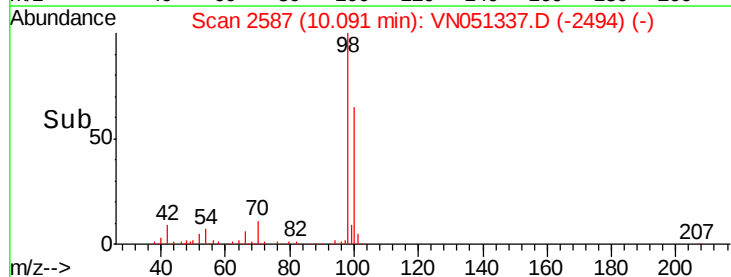
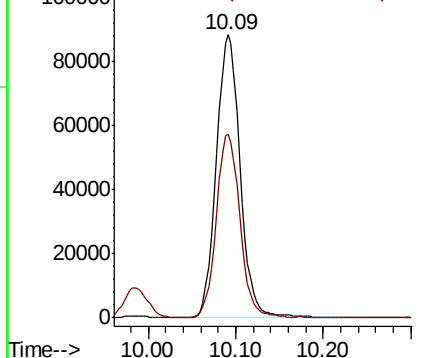
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.4  | 51.3  | 76.9  |

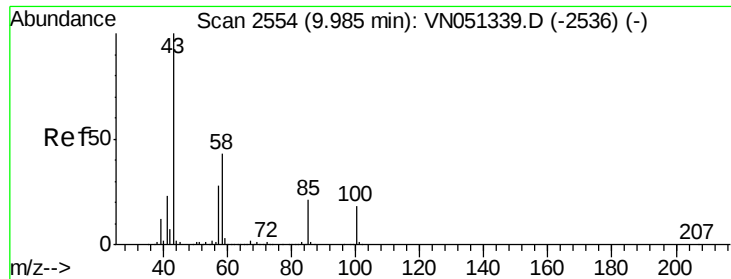


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





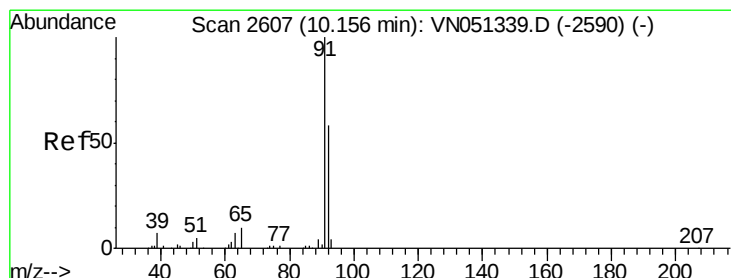
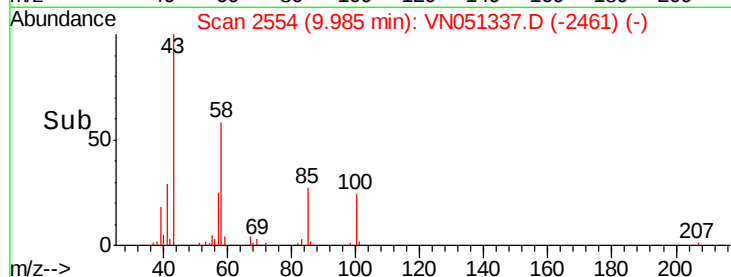
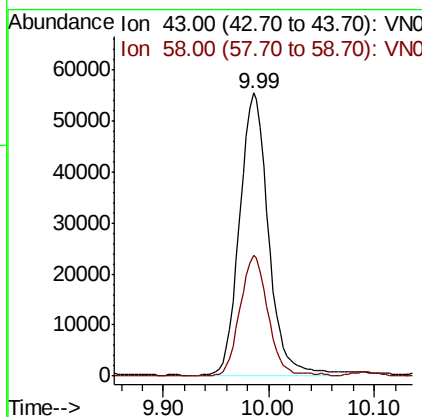
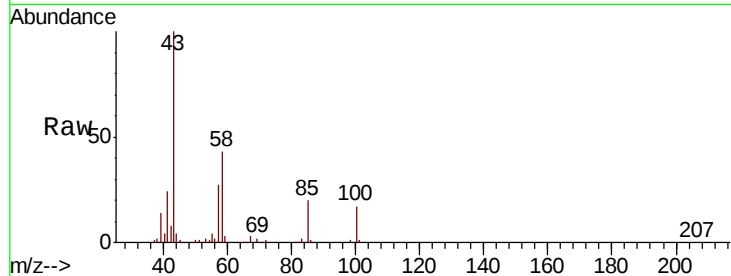
#51  
4-Methyl-2-Pentanone  
Concen: 24.230 ug/l  
RT: 9.99 min Scan# 2554  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion   | 43 | Resp | 105112      |
|-----------|----|------|-------------|
| Ion Ratio | 43 | 100  | Lower Upper |
|           | 58 | 41.0 | 34.2 51.4   |

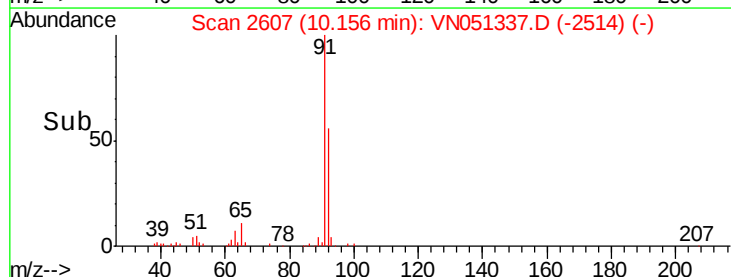
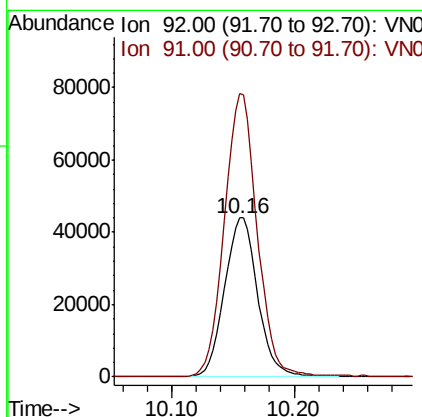
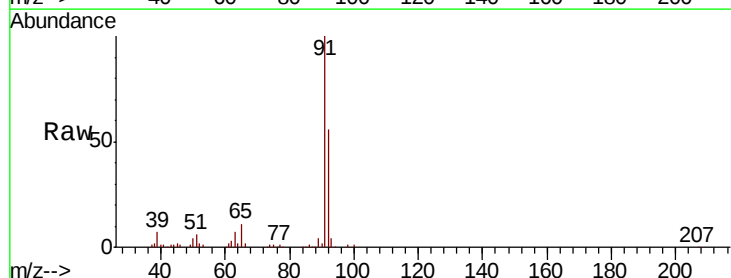
Manual Integrations  
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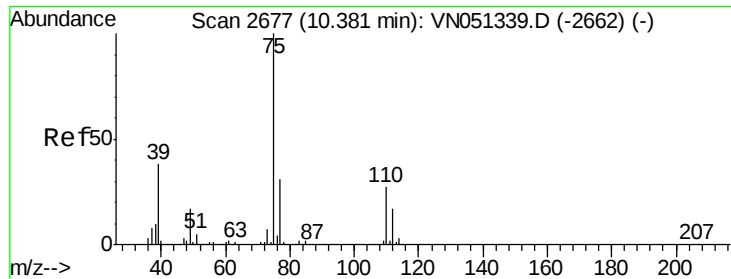
MMDadoda  
9/24/2018 2:48:09 PM



#52  
Toluene  
Concen: 4.853 ug/l  
RT: 10.16 min Scan# 2607  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion   | 92 | Resp  | 83746       |
|-----------|----|-------|-------------|
| Ion Ratio | 92 | 100   | Lower Upper |
|           | 91 | 175.6 | 139.7 209.5 |





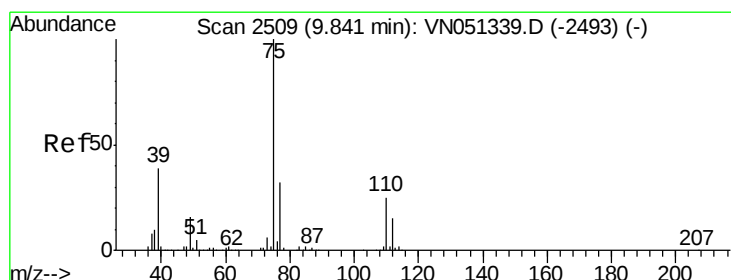
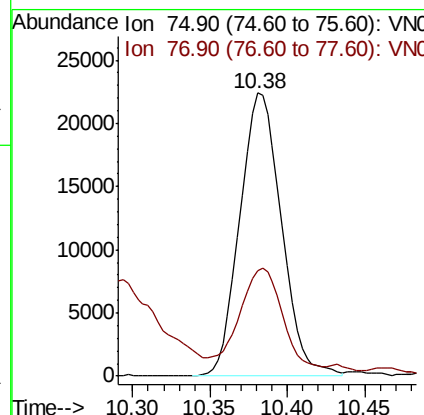
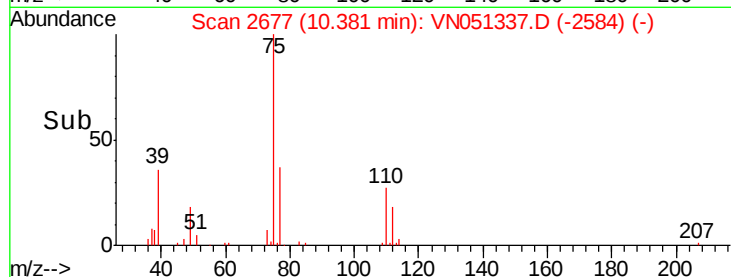
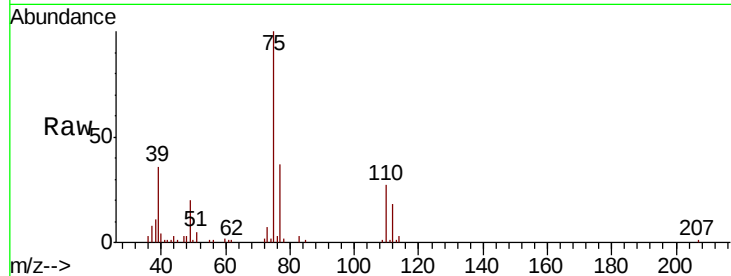
#53  
t-1,3-Dichloropropene  
Concen: 4.633 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

Tot Ion: 75 Resp: 41952  
Ion Ratio Lower Upper  
75 100  
77 33.9 25.5 38.3

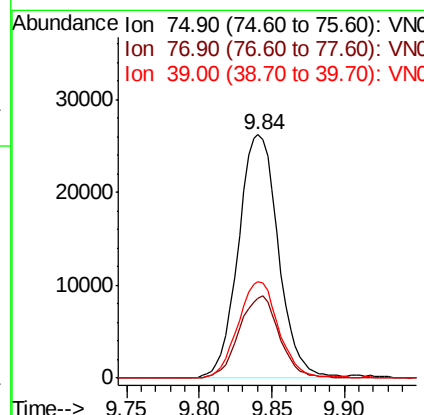
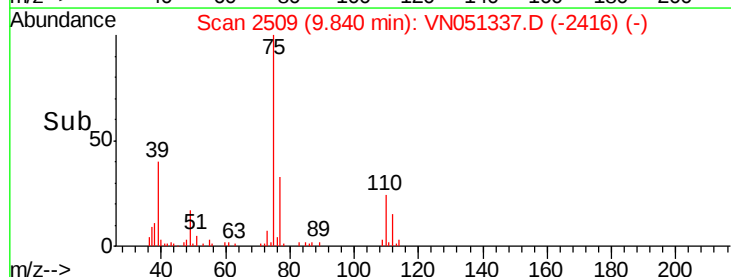
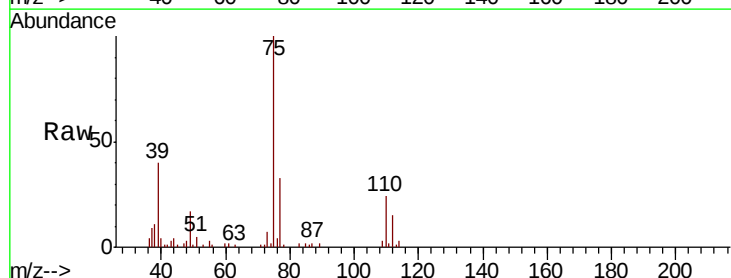
Manual Integrations  
APPROVED

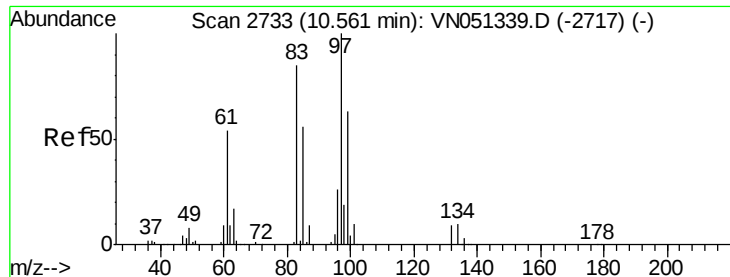
MMDadoda  
9/24/2018 2:48:09 PM



#54  
cis-1,3-Dichloropropene  
Concen: 4.790 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Tgt Ion: 75 Resp: 50220  
Ion Ratio Lower Upper  
75 100  
77 33.0 25.2 37.8  
39 39.8 31.0 46.4





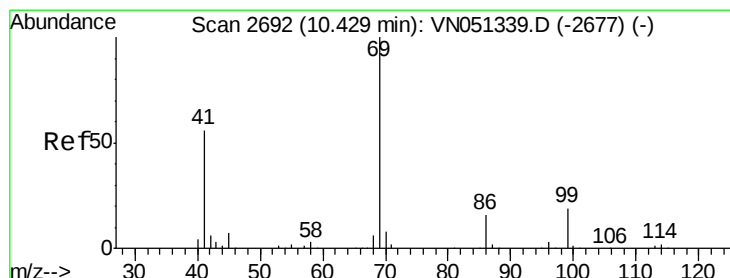
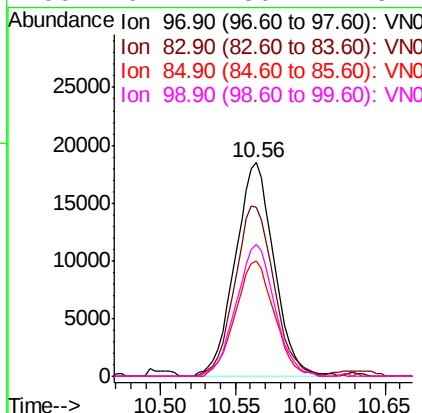
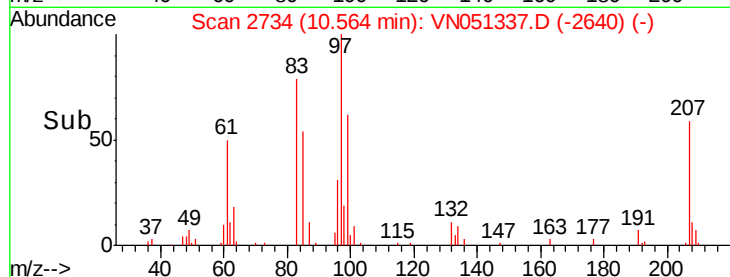
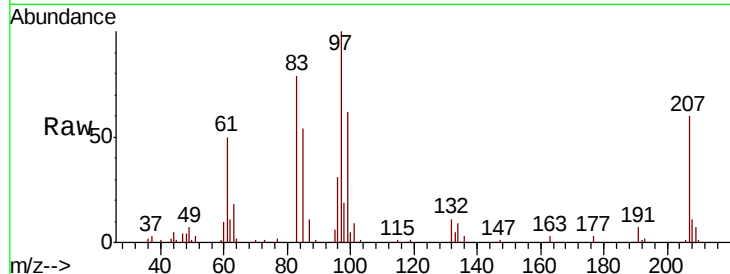
#55  
 1,1,2-Trichloroethane  
 Concen: 5.151 ug/l  
 RT: 10.56 min Scan# 2734  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 33347 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.2  | 68.1  | 102.1 |
| 85       | 53.8  | 44.6  | 66.8  |
| 99       | 61.7  | 50.2  | 75.4  |

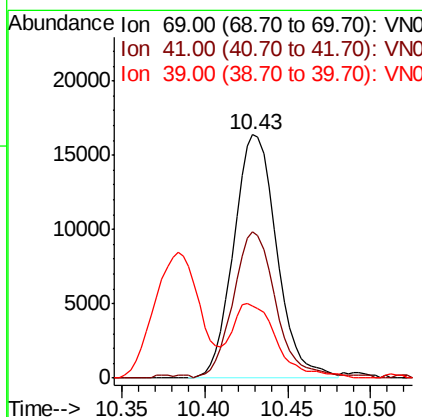
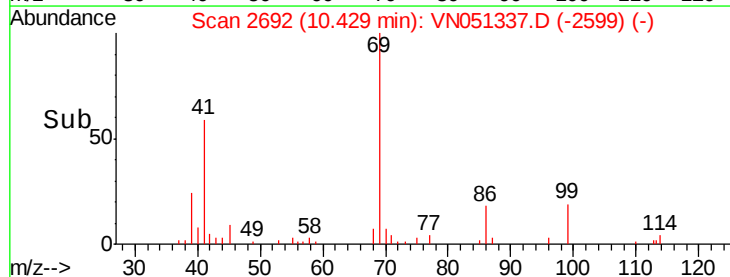
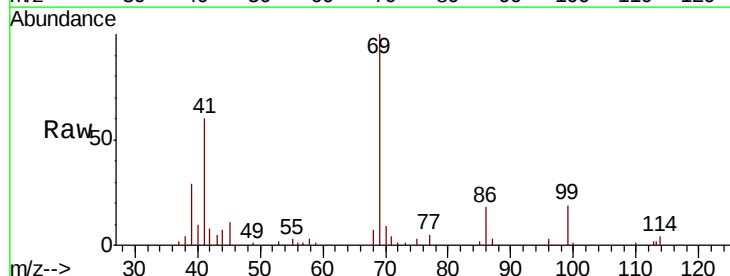
Manual Integrations  
 APPROVED

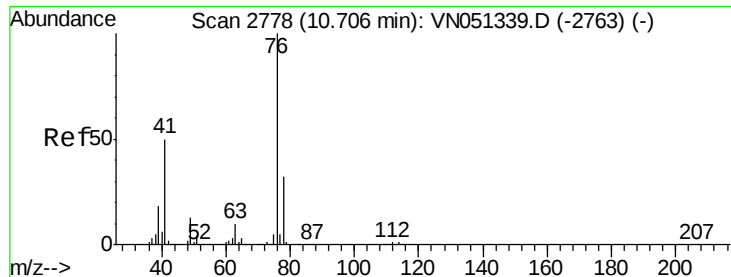
MMDadoda  
 9/24/2018 2:48:09 PM



#56  
 Ethyl methacrylate  
 Concen: 4.340 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 29671 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 59.4  | 45.1  | 67.7  |
| 39       | 32.1  | 23.4  | 35.2  |





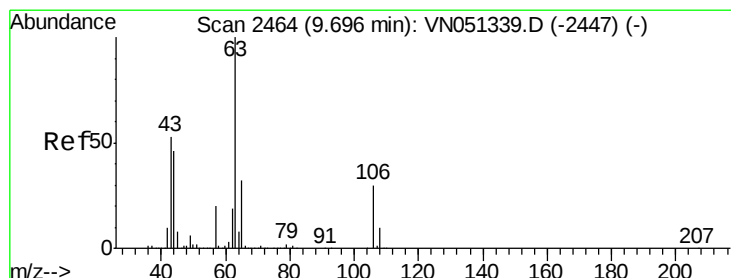
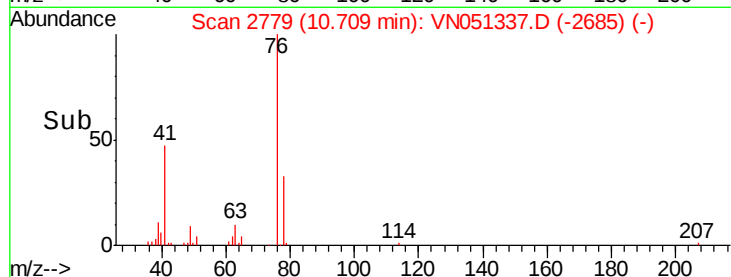
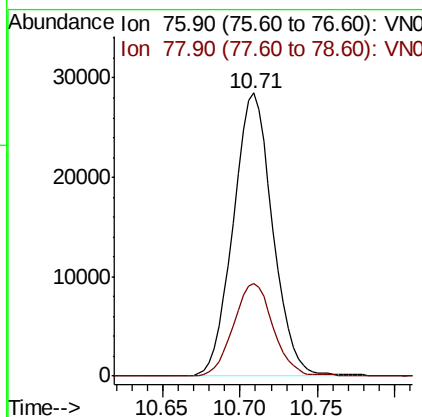
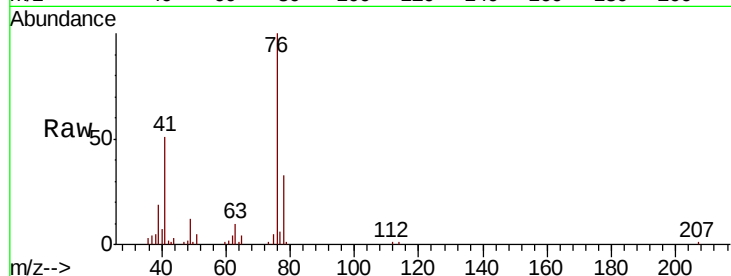
#57  
 1,3-Dichloropropane  
 Concen: 4.945 ug/l  
 RT: 10.71 min Scan# 2779  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 33.0  | 25.7  | 38.5  |

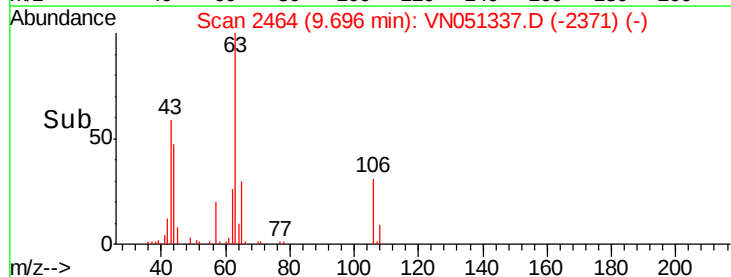
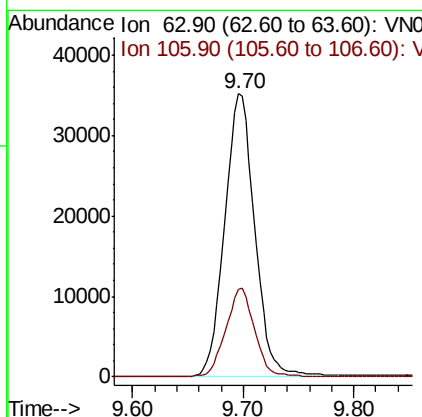
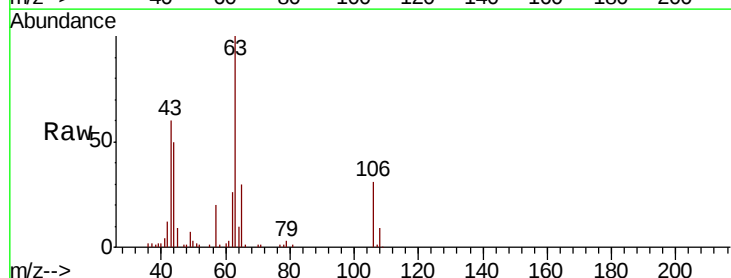
Manual Integrations  
 APPROVED

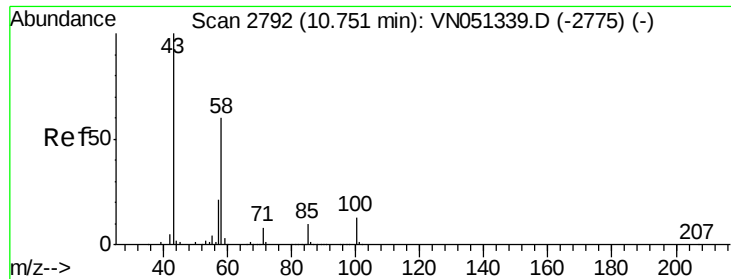
MMDadoda  
 9/24/2018 2:48:09 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 19.873 ug/l  
 RT: 9.70 min Scan# 2464  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 29.9  | 23.7  | 35.5  |





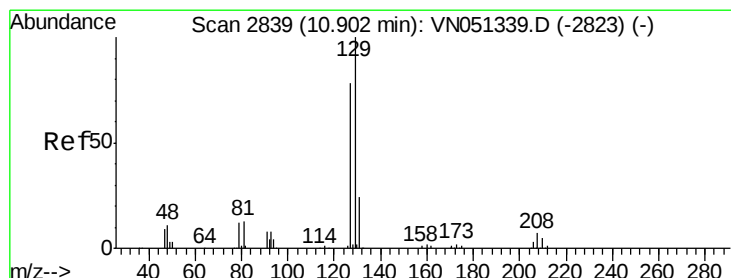
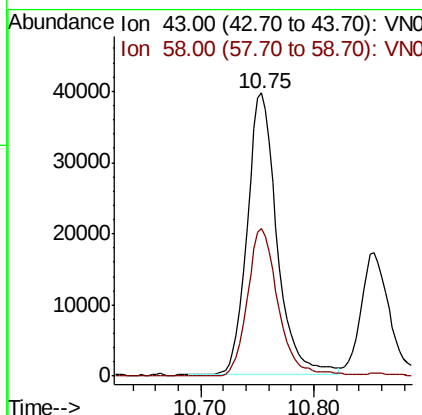
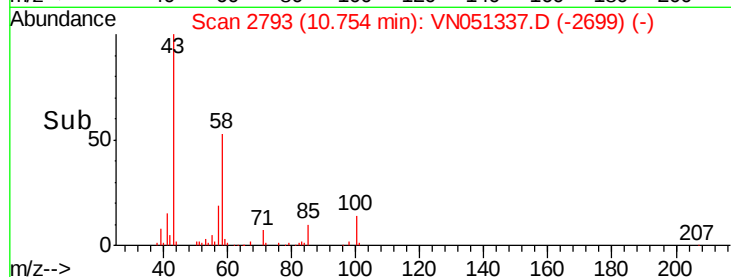
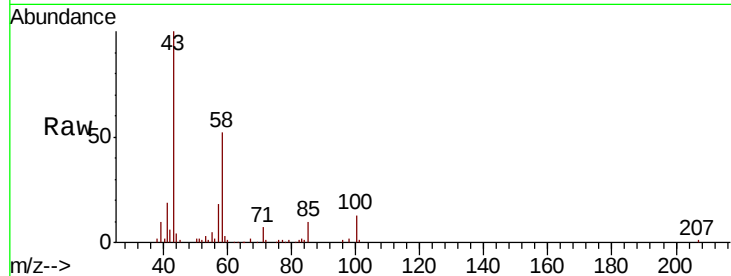
#59  
2-Hexanone  
Concen: 24.881 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

Tot Ion: 43 Resp: 72769  
Ion Ratio Lower Upper  
43 100  
58 53.8 29.9 89.8

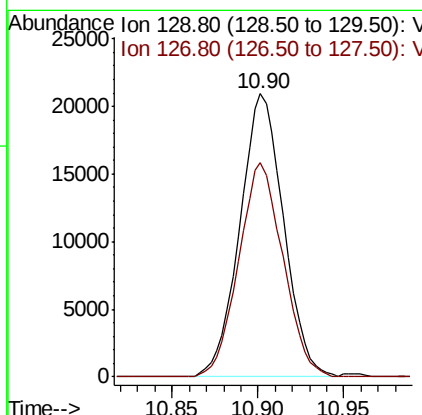
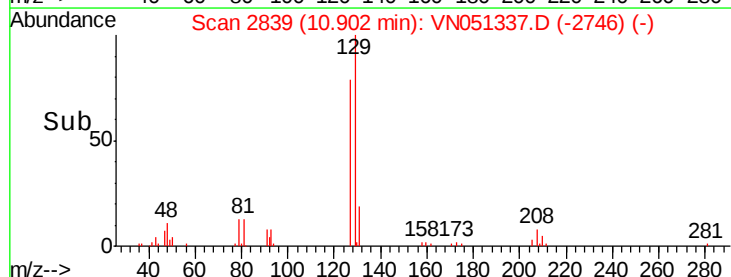
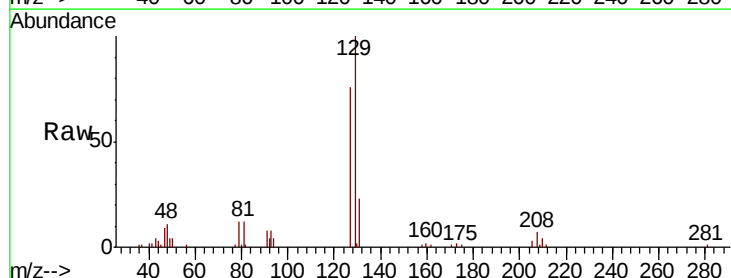
Manual Integrations  
APPROVED

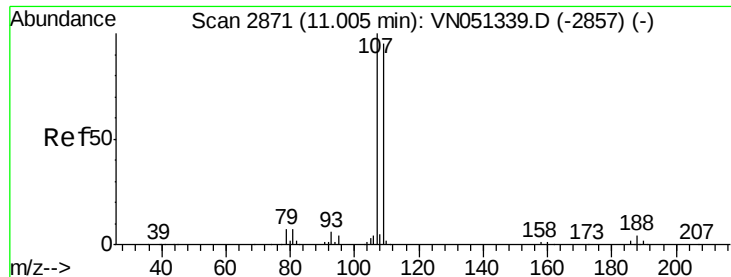
MMDadoda  
9/24/2018 2:48:09 PM



#60  
Dibromochloromethane  
Concen: 4.888 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Tgt Ion: 129 Resp: 36900  
Ion Ratio Lower Upper  
129 100  
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 4.923 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 30641

Ion Ratio Lower Upper

107 100

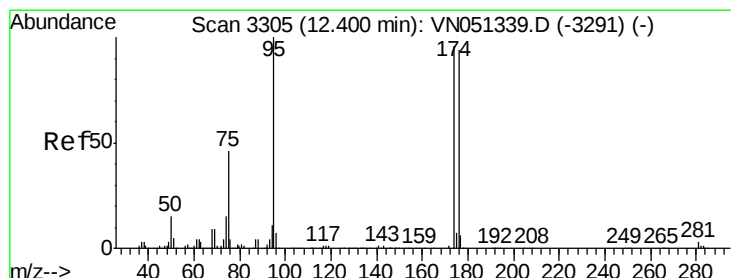
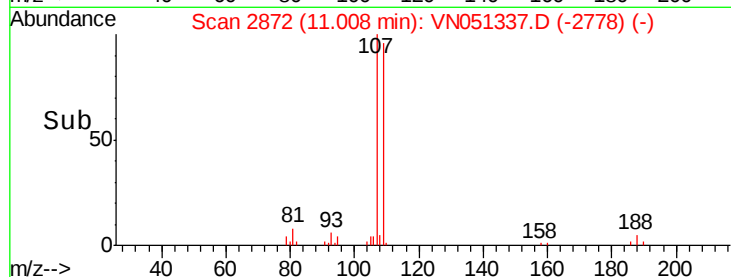
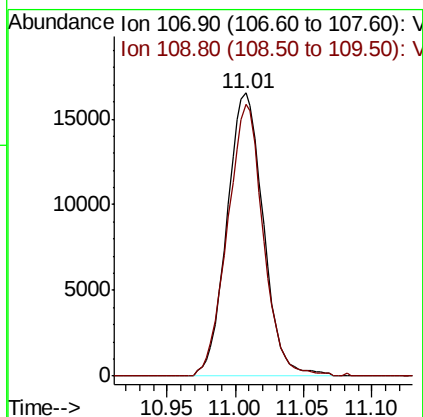
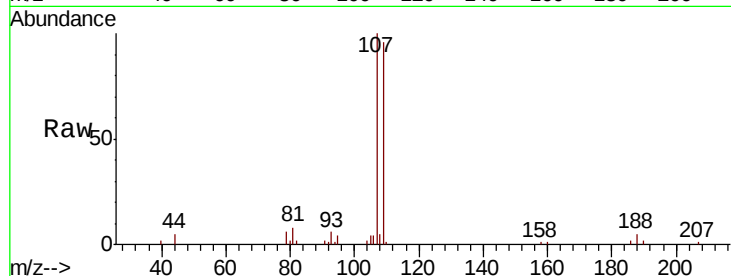
109 94.3 75.8 113.6

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:48:09 PM



#62

4-Bromofluorobenzene

Concen: 5.539 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

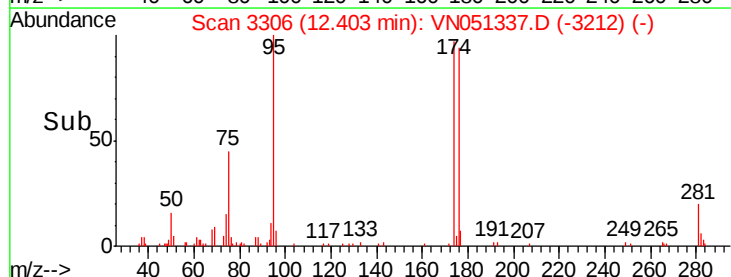
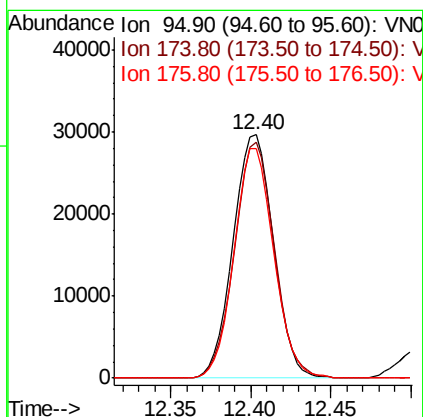
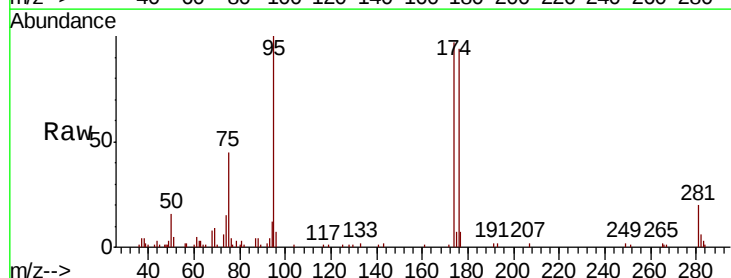
Tgt Ion: 95 Resp: 50909

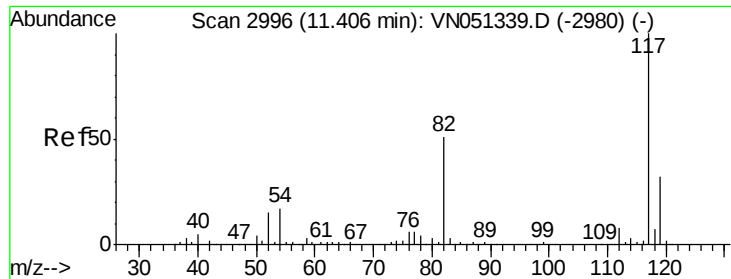
Ion Ratio Lower Upper

95 100

174 95.4 0.0 194.6

176 92.9 0.0 189.6





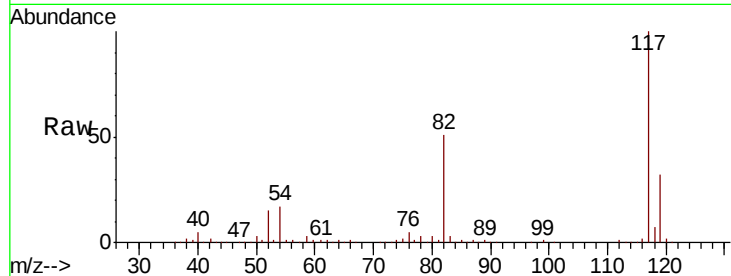
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.7  | 40.7  | 61.1  |
| 119     | 31.7  | 25.3  | 37.9  |

Manual Integrations  
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MMDadoda  
9/24/2018 2:48:09 PM

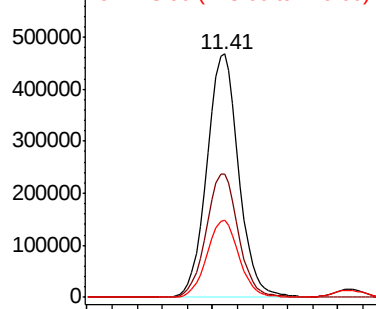


Abundance

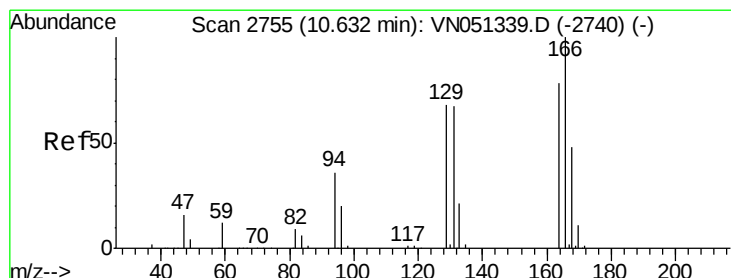
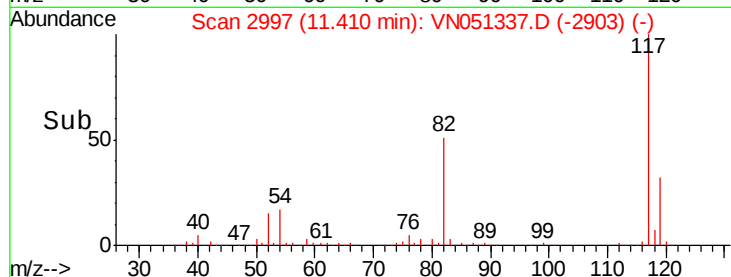
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



Time--> 11.30 11.40 11.50



#64  
Tetrachloroethene  
Concen: 5.028 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.3 | 102.1 | 153.1 |
| 129     | 86.5  | 69.4  | 104.2 |
| 131     | 80.2  | 68.8  | 103.2 |

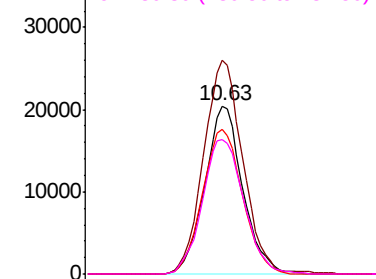
Abundance

Ion 163.80 (163.50 to 164.50): V

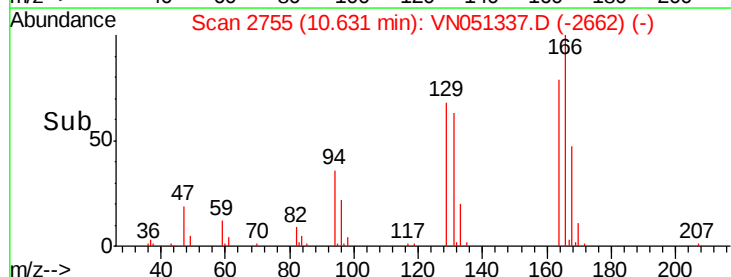
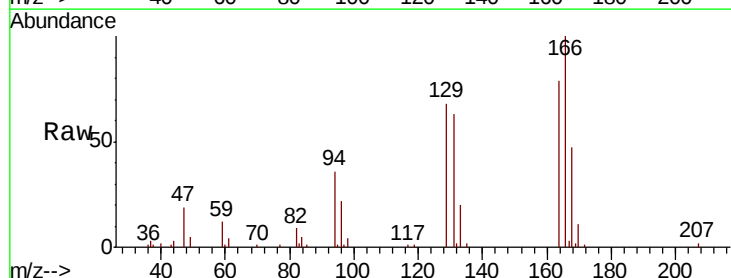
Ion 165.80 (165.50 to 166.50): V

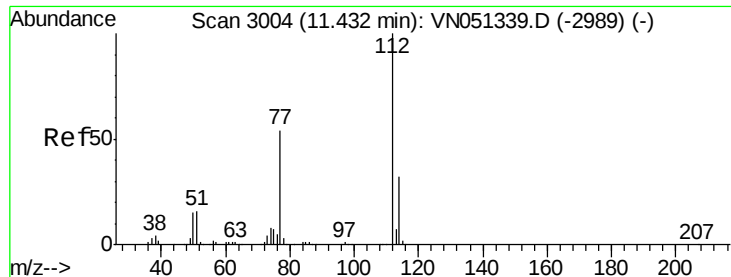
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time--> 10.55 10.60 10.65 10.70





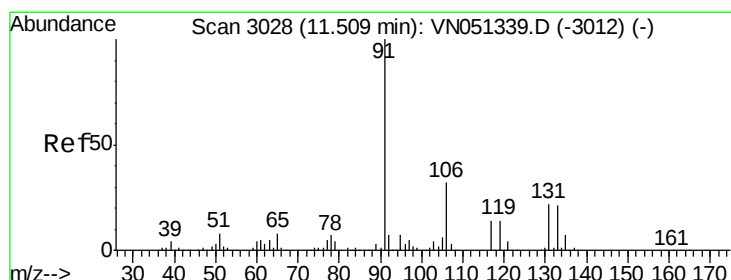
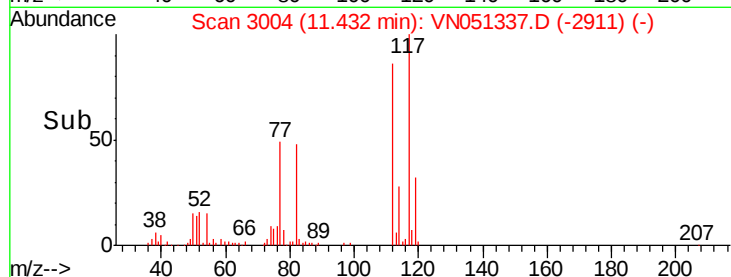
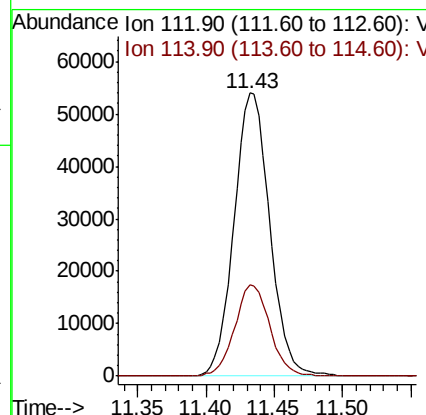
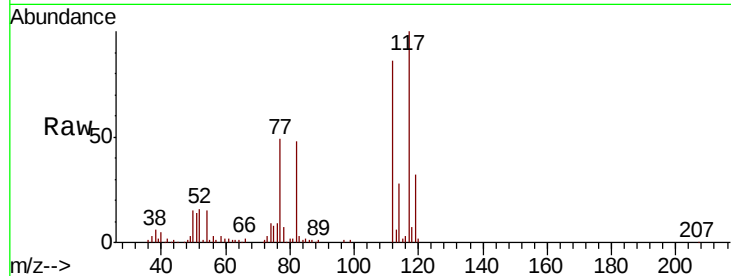
#65  
Chlorobenzene  
Concen: 4.992 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.3  | 25.5  | 38.3  |

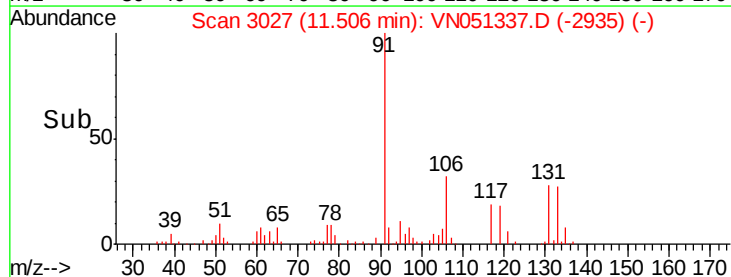
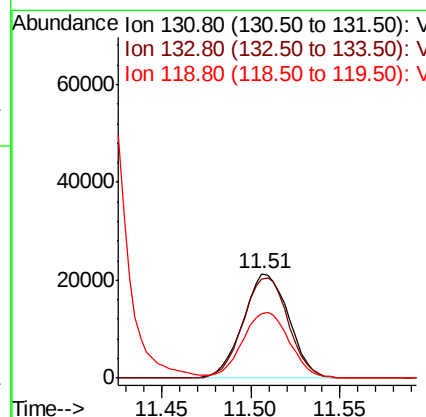
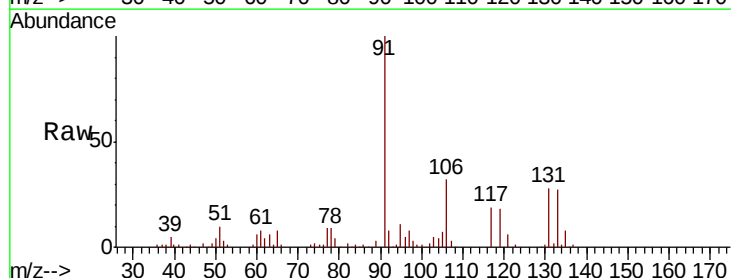
Manual Integrations  
APPROVED

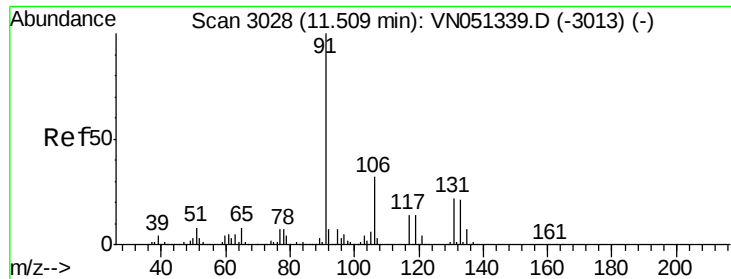
MMDadoda  
9/24/2018 2:48:09 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.111 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 131     | 100   |       |       |
| 133     | 96.0  | 47.4  | 142.2 |
| 119     | 64.2  | 32.6  | 97.7  |





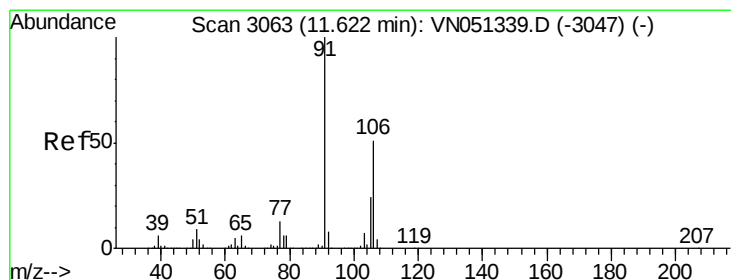
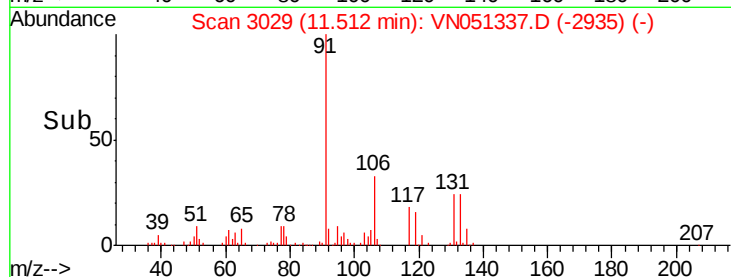
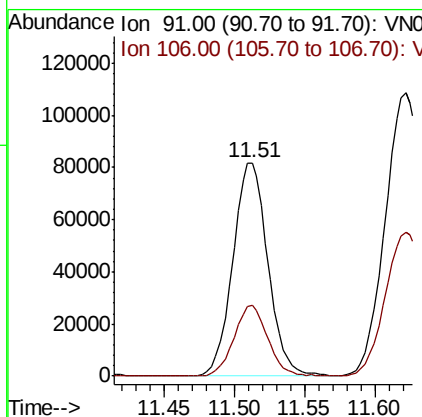
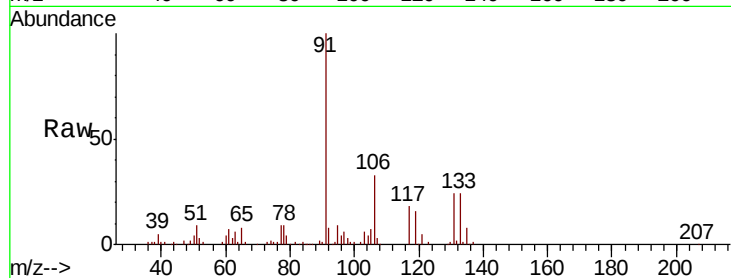
#67  
Ethyl Benzene  
Concen: 4.628 ug/l  
RT: 11.51 min Scan# 3029  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

| Tot Ion   | 91   | Resp  | 142297 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 106       | 33.3 | 25.8  | 38.8   |

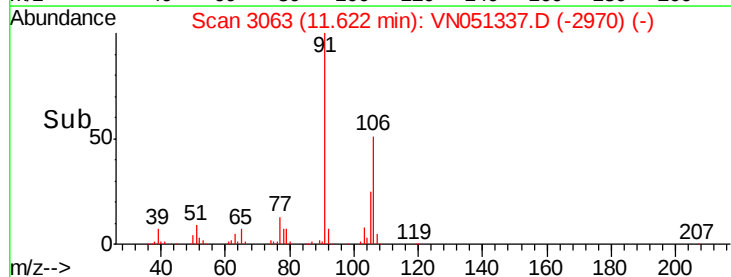
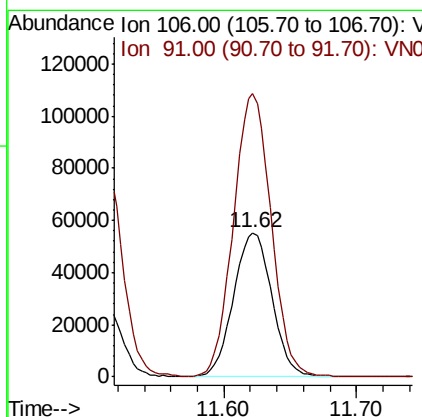
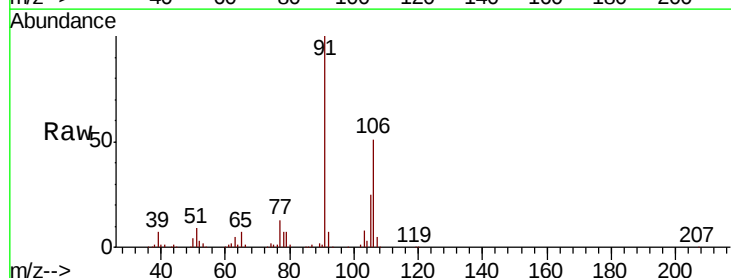
Manual Integrations  
APPROVED

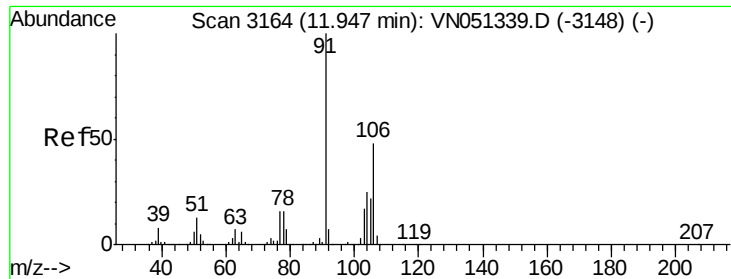
MMDadoda  
9/24/2018 2:48:09 PM



#68  
m/p-Xylenes  
Concen: 9.178 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion                                              | 106   | Resp  | 110871 |
|------------------------------------------------------|-------|-------|--------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100   | Lower | Upper  |
| 91                                                   | 193.8 | 156.5 | 234.7  |





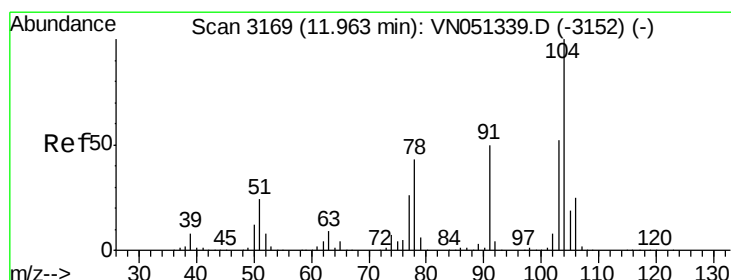
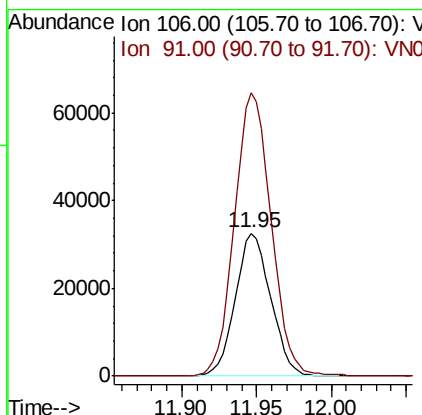
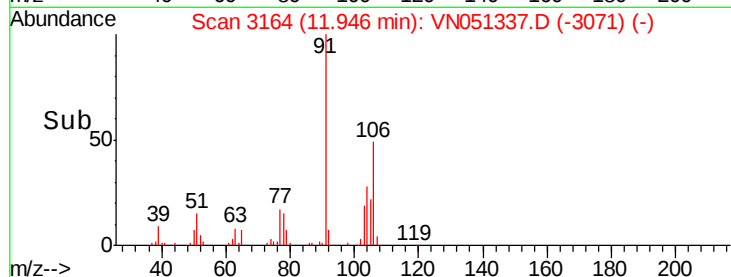
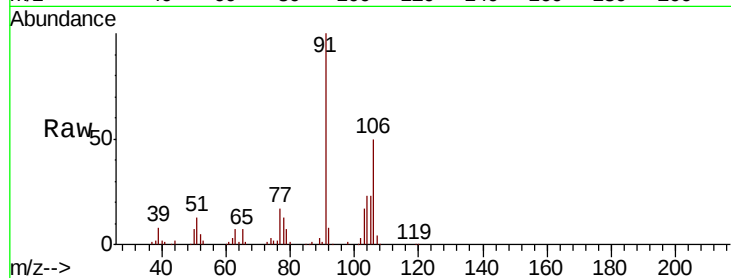
#69  
o-Xylene  
Concen: 4.613 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 106     | 106 | 100   |       |       |
| 91      | 91  | 204.8 | 104.6 | 313.7 |

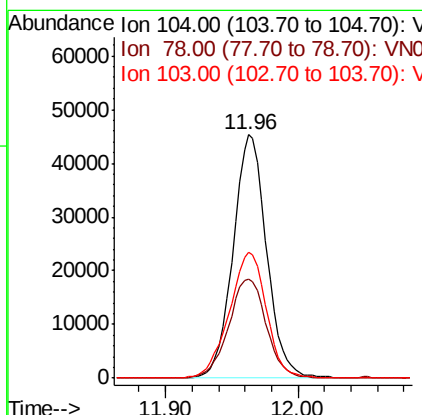
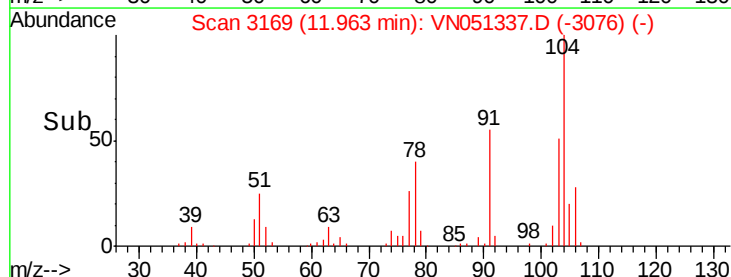
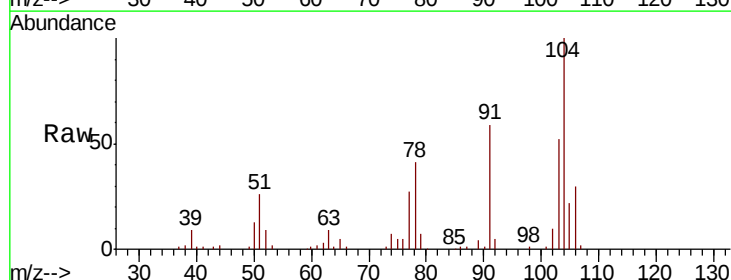
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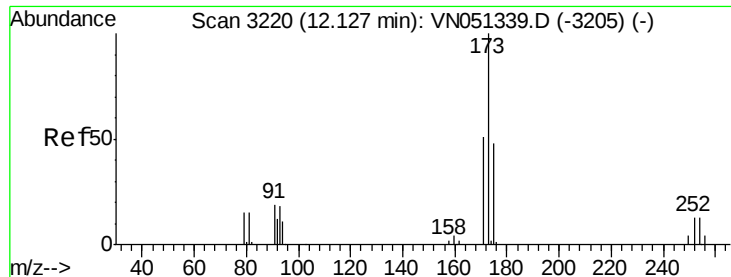
MMDadoda  
9/24/2018 2:48:09 PM



#70  
Styrene  
Concen: 4.394 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 104     | 104 | 100   |       |       |
| 78      | 78  | 45.9  | 37.8  | 56.6  |
| 103     | 103 | 57.2  | 44.3  | 66.5  |





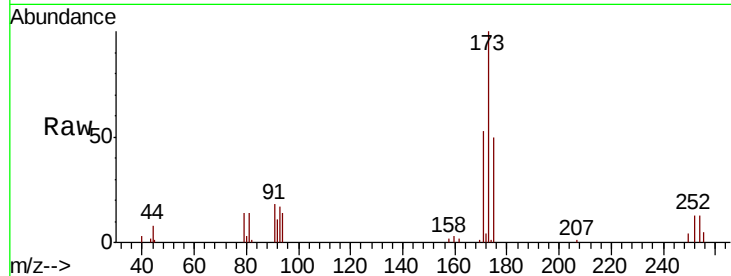
#71  
Bromoform  
Concen: 4.975 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

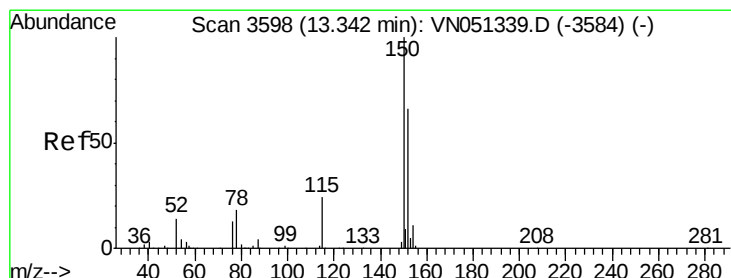
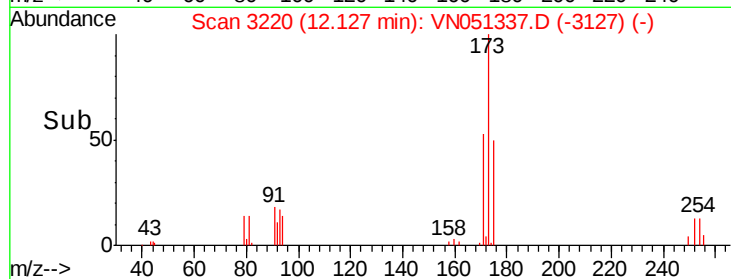
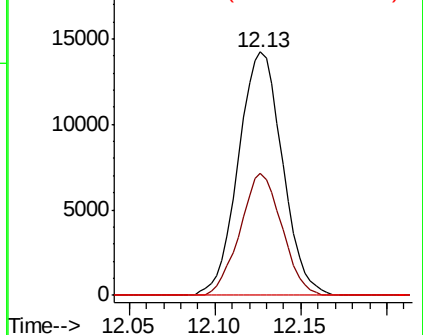
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.5  | 24.3  | 73.0  |
| 254     | 0.0   | 0.1   | 0.1#  |

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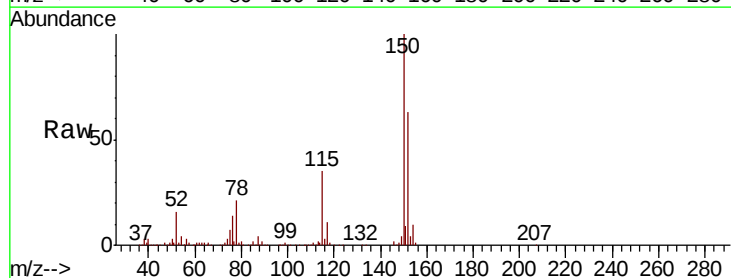


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

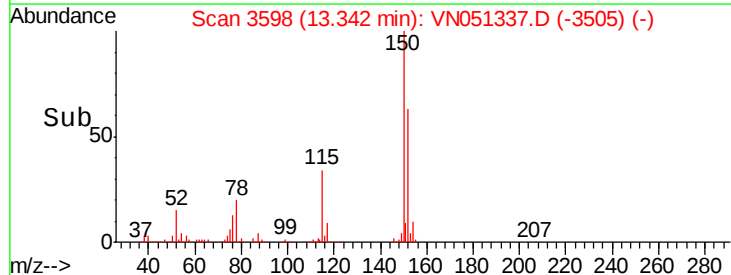
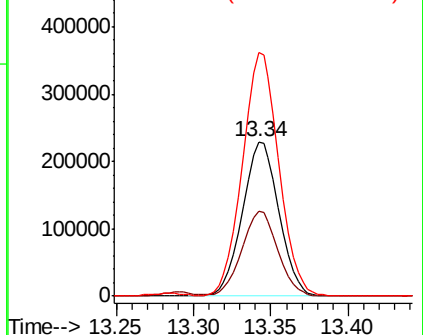


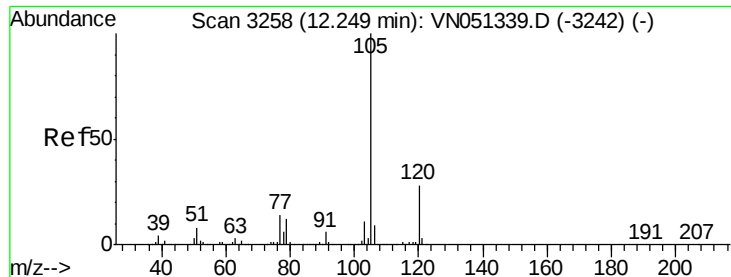
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.3  | 26.9  | 80.7  |
| 150     | 157.7 | 0.0   | 345.0 |



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





#73

Isopropylbenzene

Concen: 4.973 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 136708

Ion Ratio Lower Upper

105 100

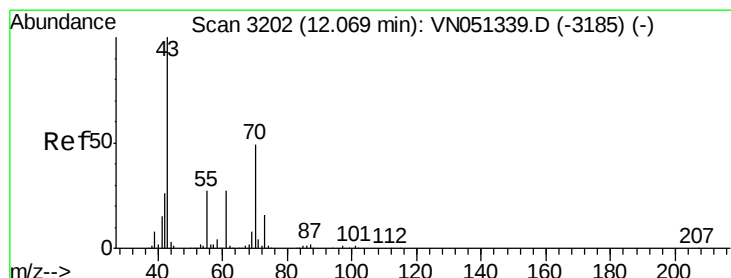
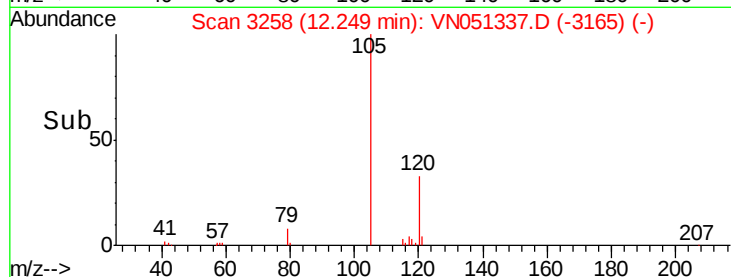
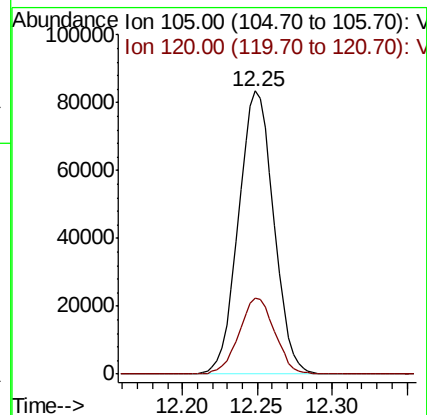
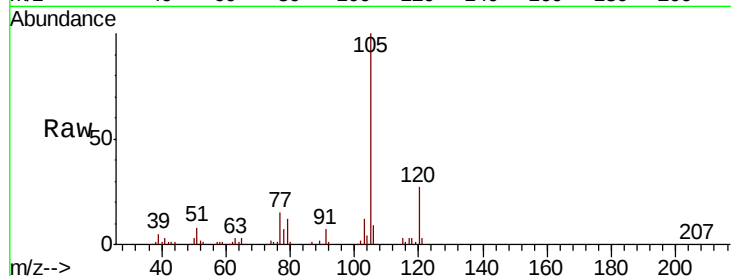
120 27.3 13.9 41.6

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#74

N-ethyl acetate

Concen: 4.783 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Tgt Ion: 43 Resp: 28130

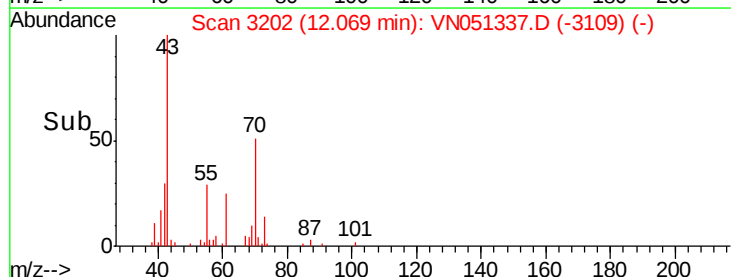
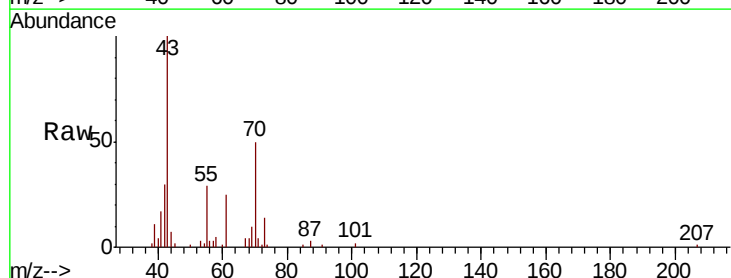
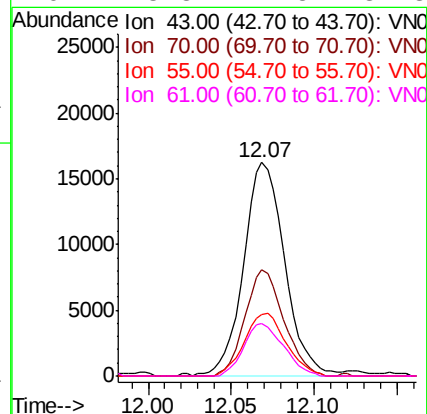
Ion Ratio Lower Upper

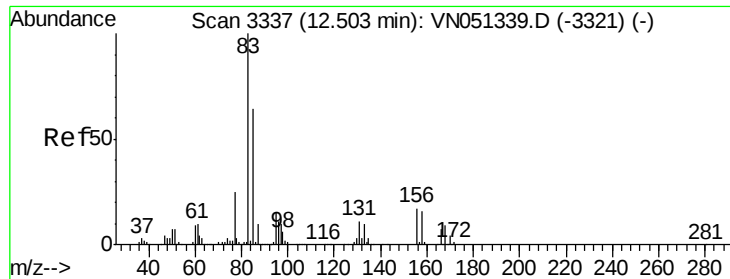
43 100

70 46.7 39.5 59.3

55 29.6 22.6 34.0

61 23.8 21.5 32.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.632 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

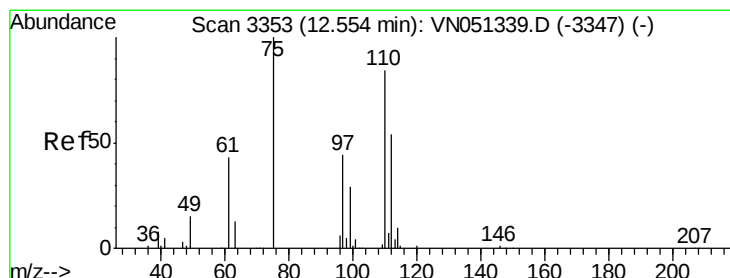
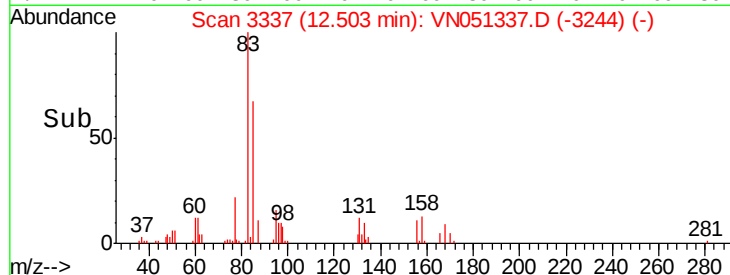
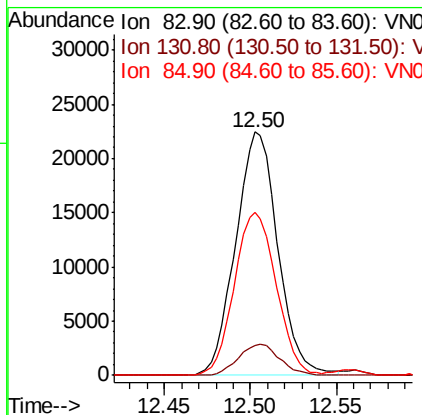
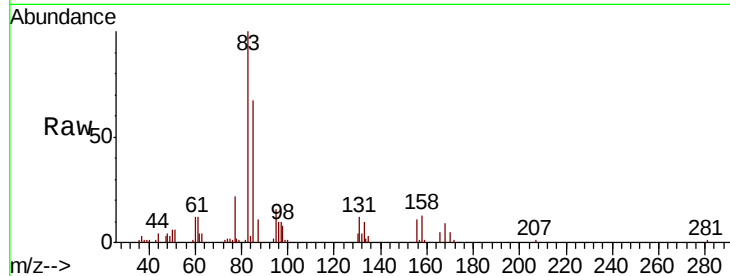
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 38205 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 12.4  | 5.5   | 16.7  |
| 85        | 66.2  | 32.3  | 96.9  |

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#76

1,2,3-Trichloropropane

Concen: 5.984 ug/l m

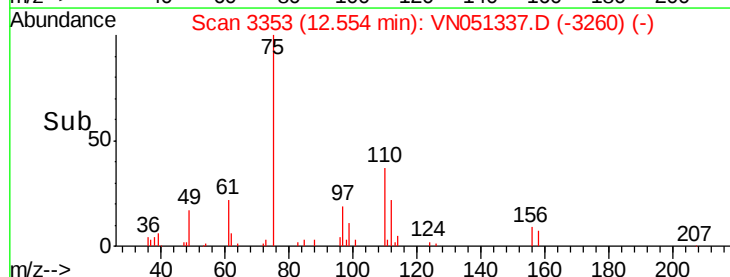
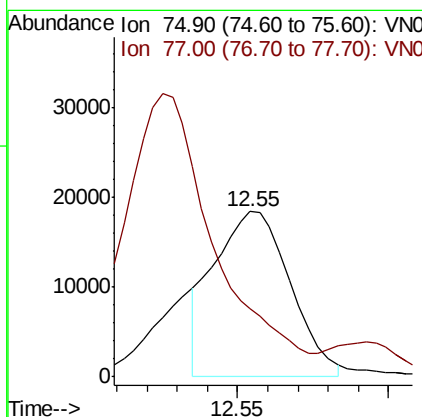
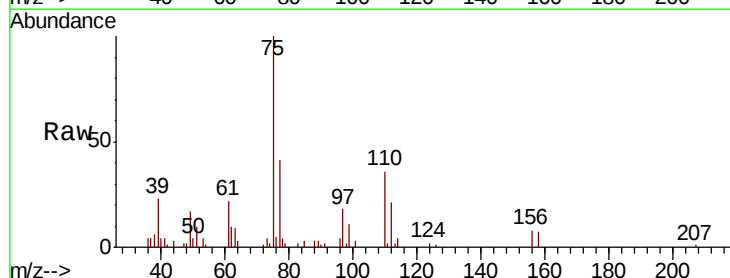
RT: 12.55 min Scan# 3353

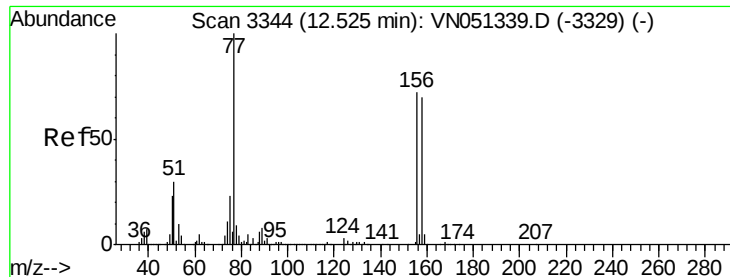
Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 32411 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 5.188 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

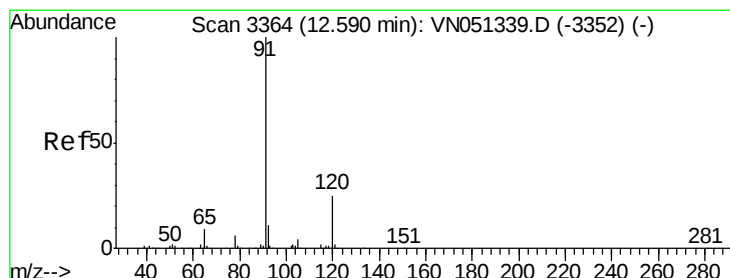
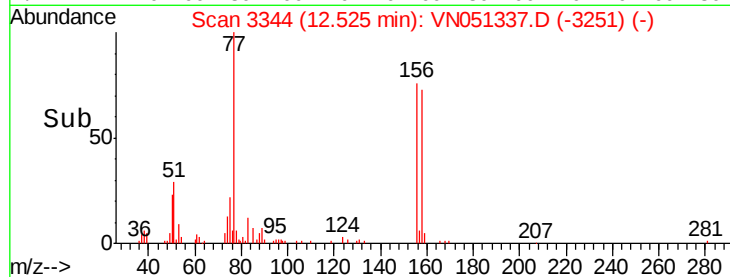
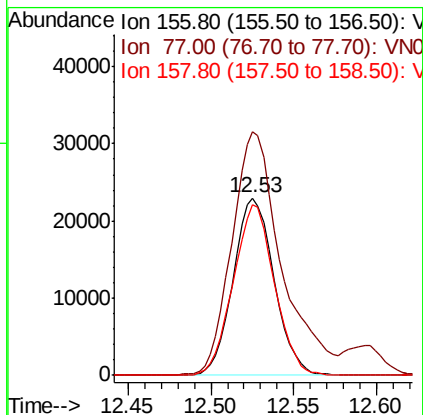
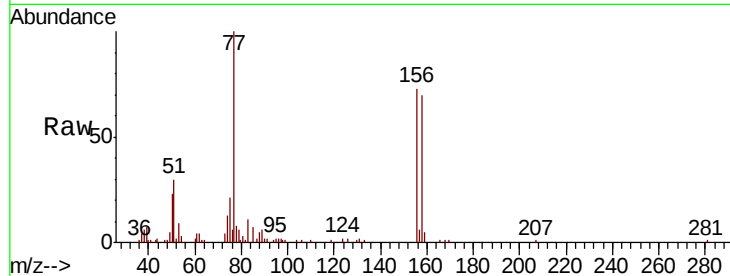
ClientSampleId :

VSTDIC005

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 156   | Resp: | 39402 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 167.9 | 80.8  | 242.4 |
| 158       | 96.4  | 48.8  | 146.3 |

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#78

n-propylbenzene

Concen: 4.926 ug/l

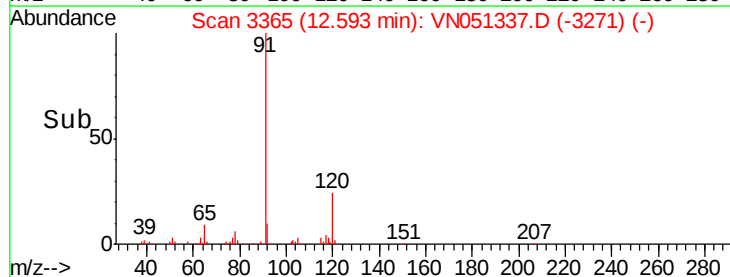
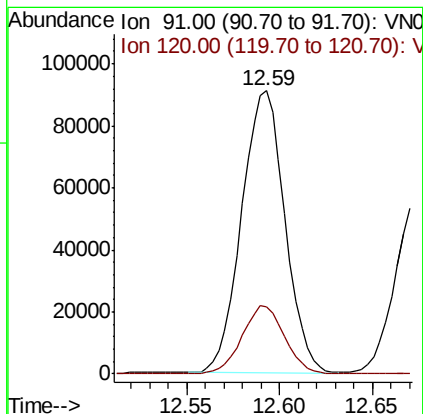
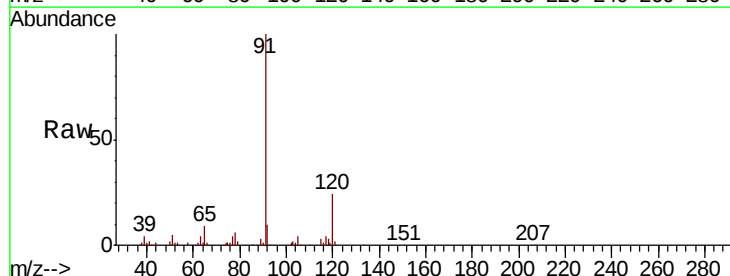
RT: 12.59 min Scan# 3365

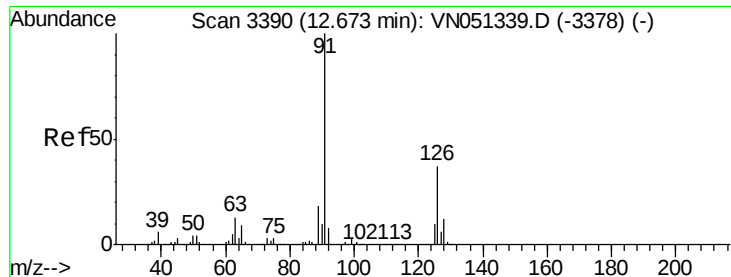
Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 147622 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.8  | 12.4  | 37.2   |





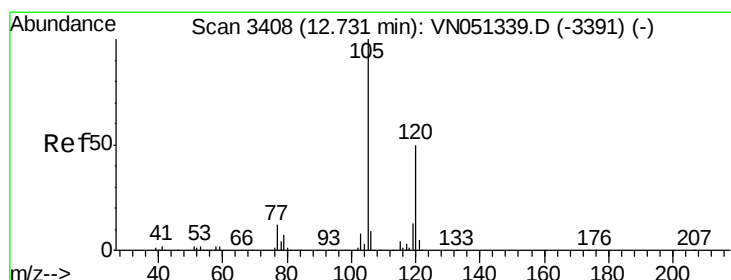
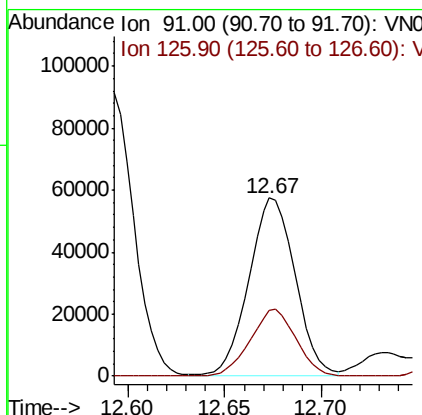
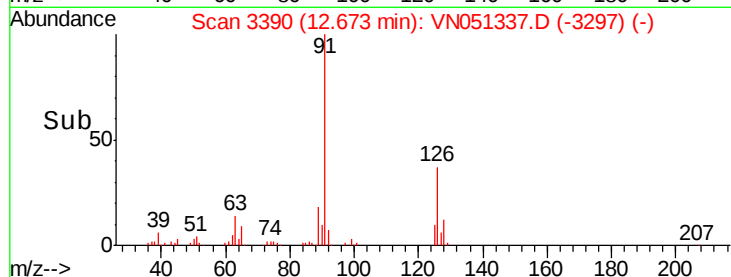
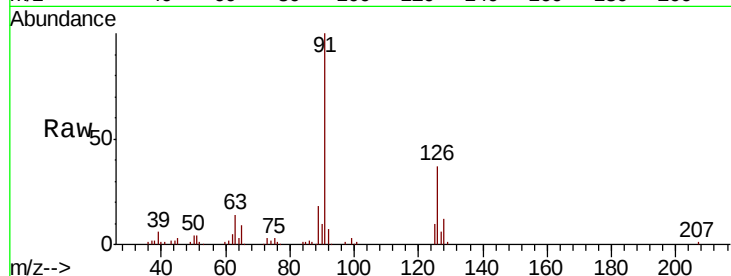
#79  
2-Chlorotoluene  
Concen: 5.167 ug/l  
RT: 12.67 min Scan# 3390  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

Tot Ion: 91 Resp: 95429  
Ion Ratio Lower Upper  
91 100  
126 37.1 18.6 55.8

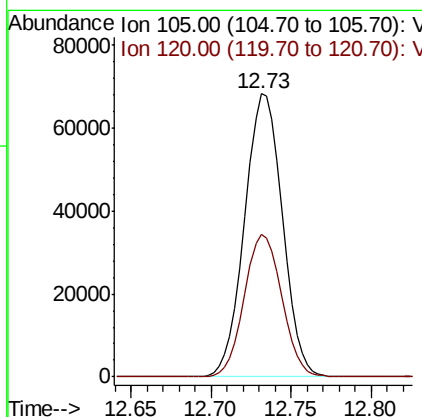
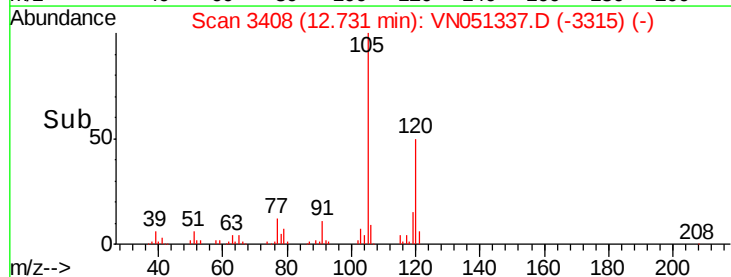
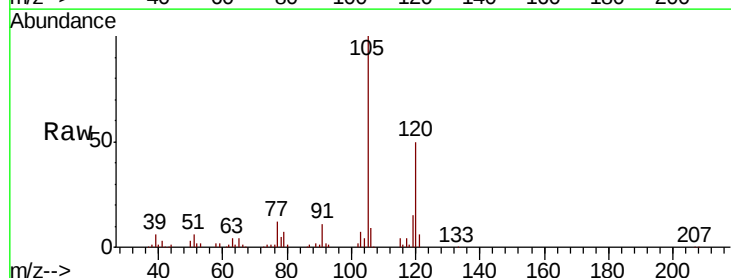
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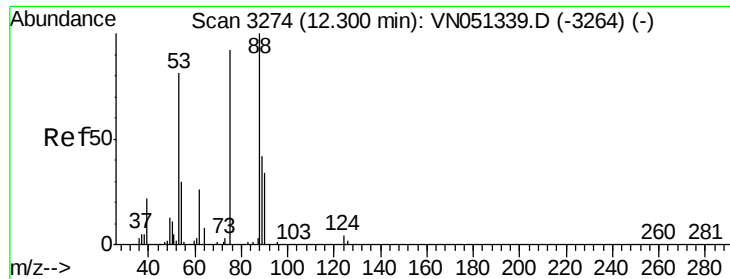
MMDadoda  
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#80  
1,3,5-Trimethylbenzene  
Concen: 4.954 ug/l  
RT: 12.73 min Scan# 3408  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Tgt Ion: 105 Resp: 110403  
Ion Ratio Lower Upper  
105 100  
120 50.0 25.2 75.6





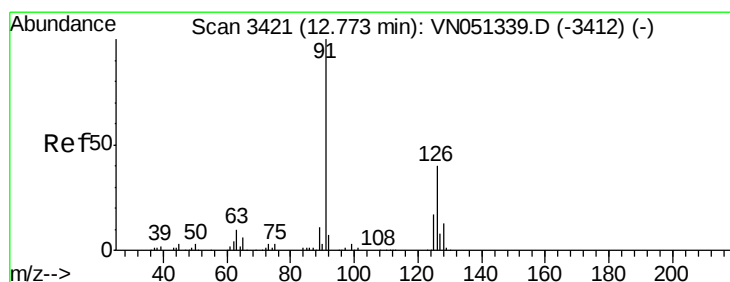
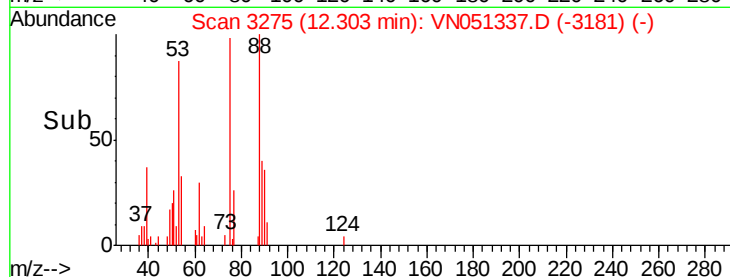
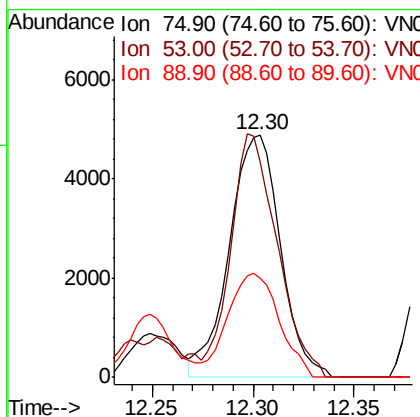
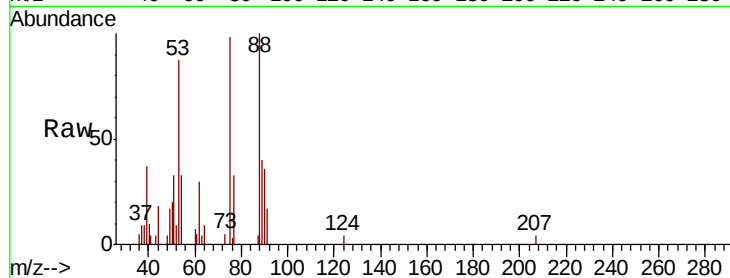
#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.541 ug/l  
RT: 12.30 min Scan# 3275  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 91.3  | 69.9  | 104.9 |
| 89      | 43.1  | 37.9  | 56.9  |

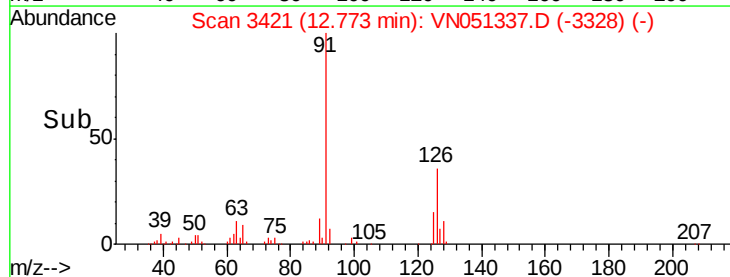
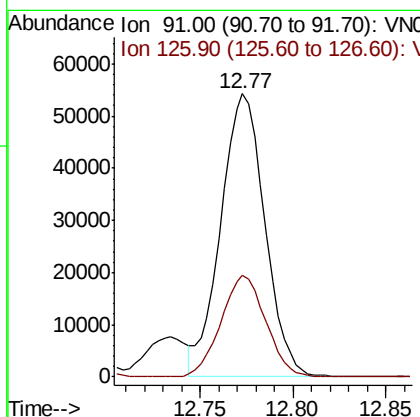
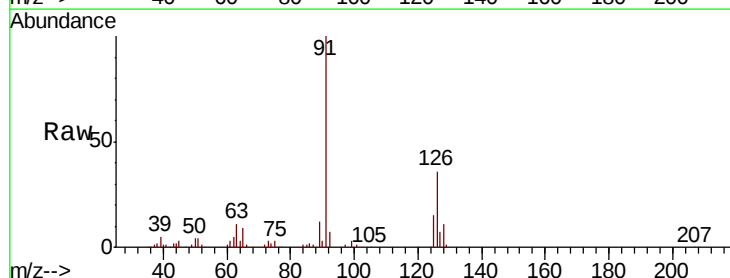
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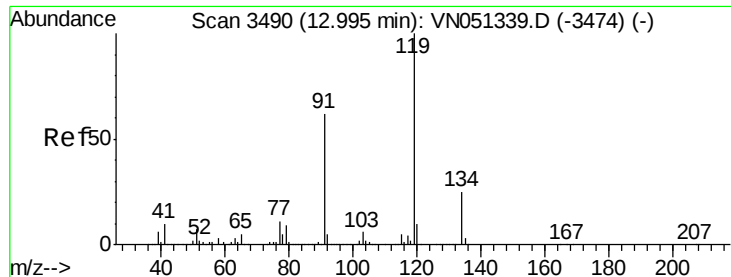
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#82  
4-Chlorotoluene  
Concen: 4.996 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 36.1  | 18.3  | 54.9  |





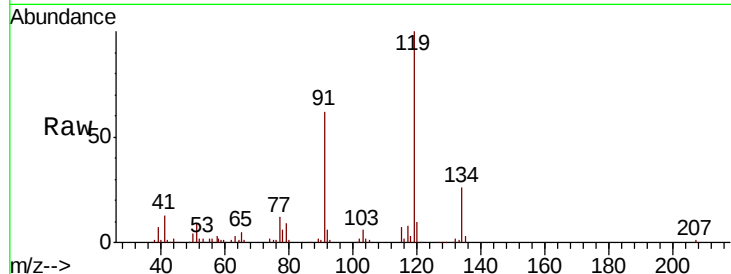
#83  
 tert-Butylbenzene  
 Concen: 4.989 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

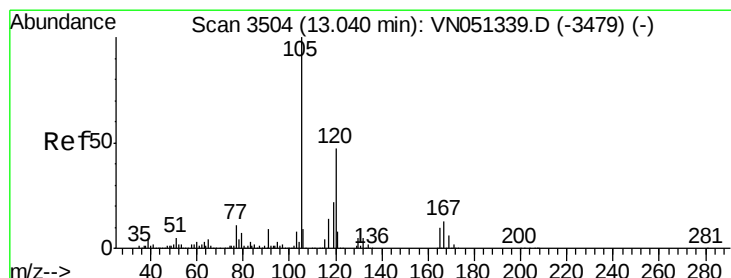
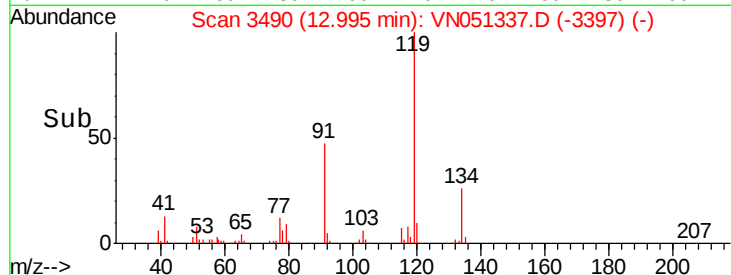
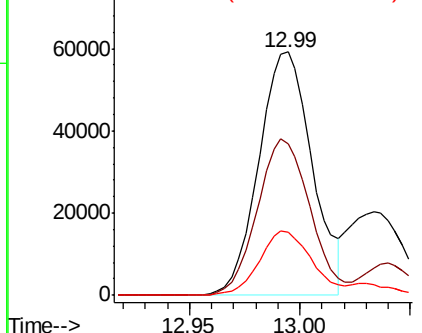
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 63.3  | 30.6  | 91.8  |
| 134     | 25.8  | 12.6  | 37.6  |

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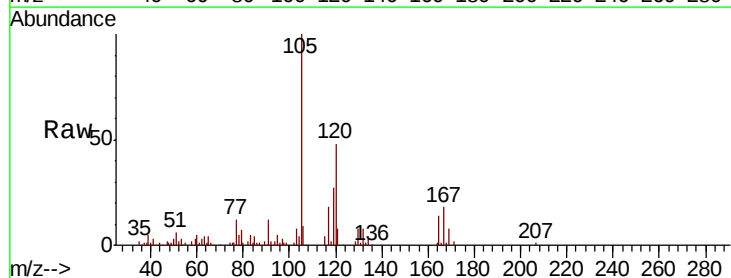


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

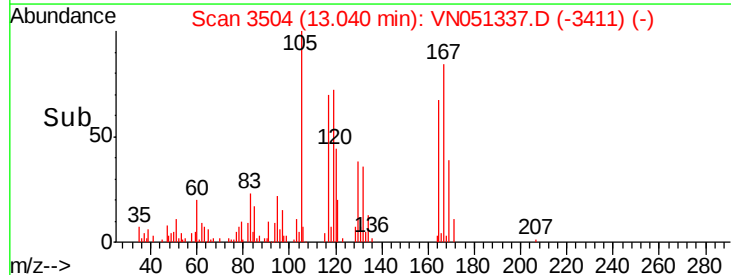
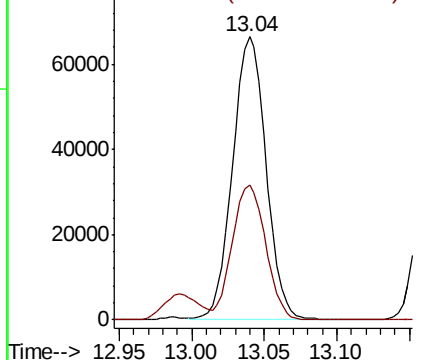


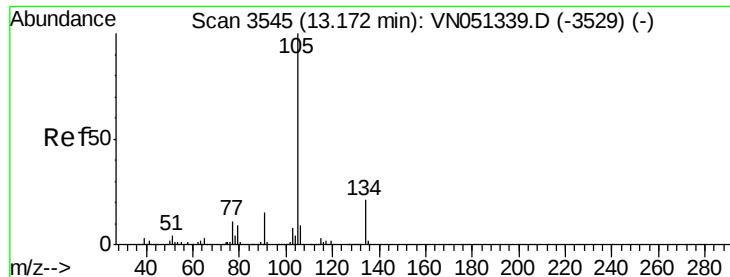
#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.822 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 47.4  | 23.5  | 70.6  |



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 5.029 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 133399

Ion Ratio Lower Upper

105 100

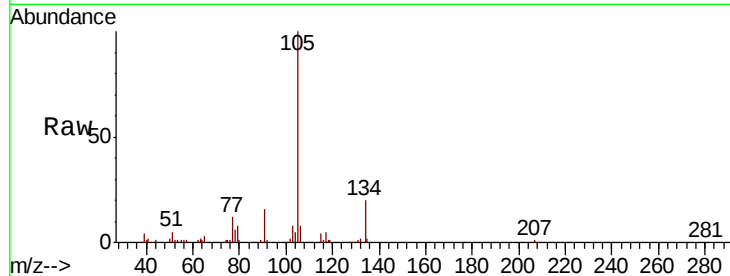
134 20.4 10.8 32.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

80000

60000

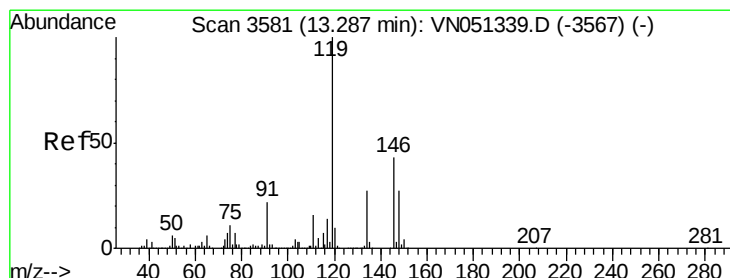
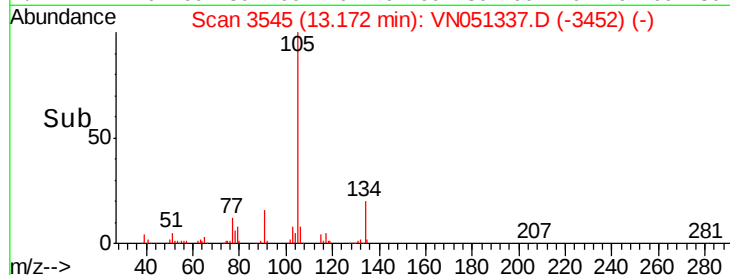
40000

20000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 4.686 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

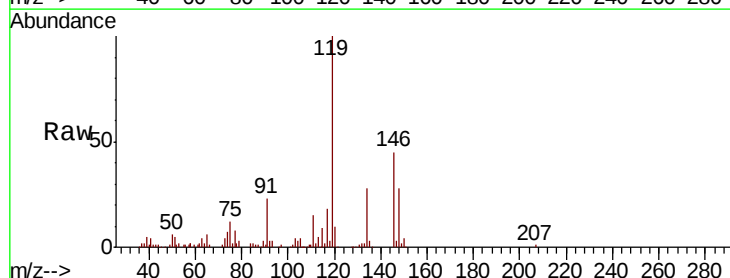
Tgt Ion:119 Resp: 108169

Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.0

91 23.5 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

80000

60000

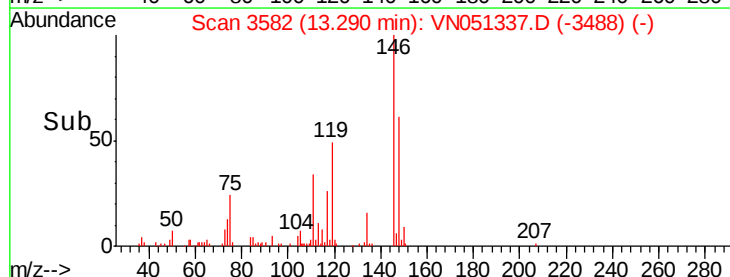
40000

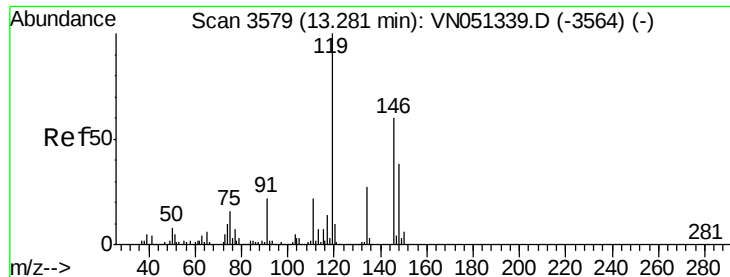
20000

0

13.20 13.25 13.30 13.35

Time-->





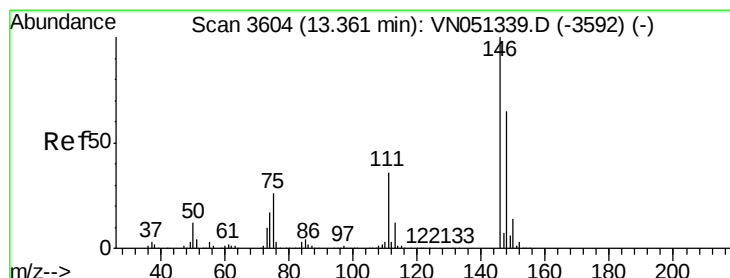
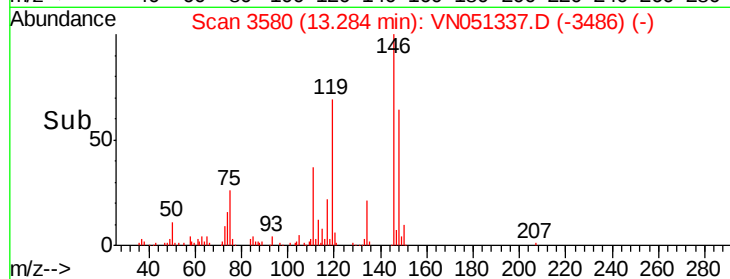
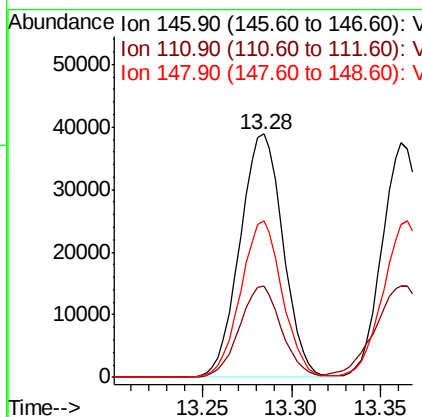
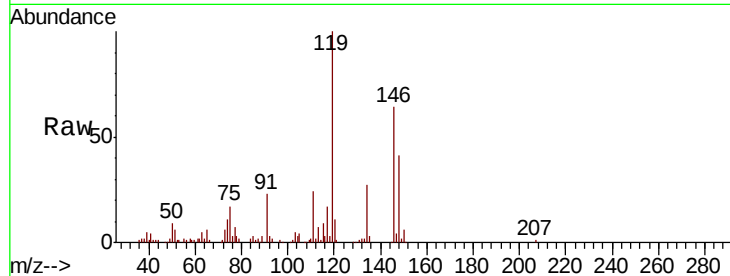
#87  
 1,3-Dichlorobenzene  
 Concen: 5.134 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.3  | 18.6  | 55.8  |
| 148     | 62.2  | 31.9  | 95.7  |

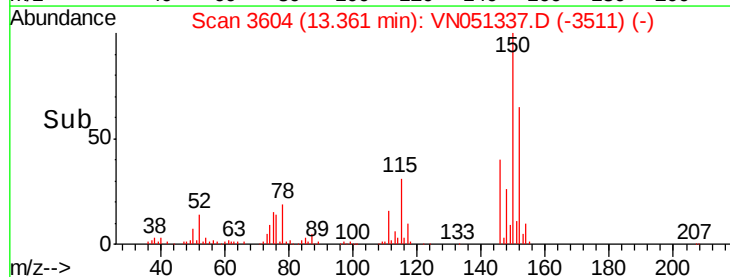
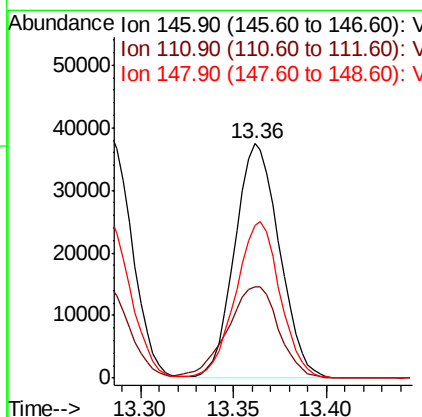
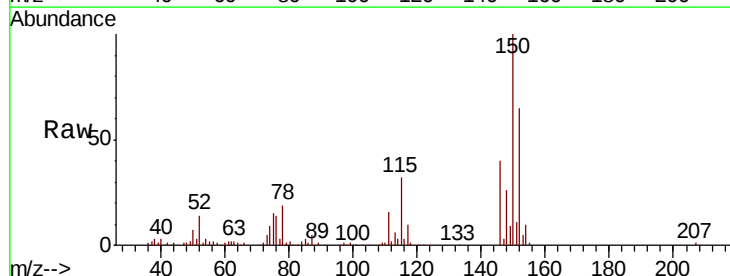
Manual Integrations  
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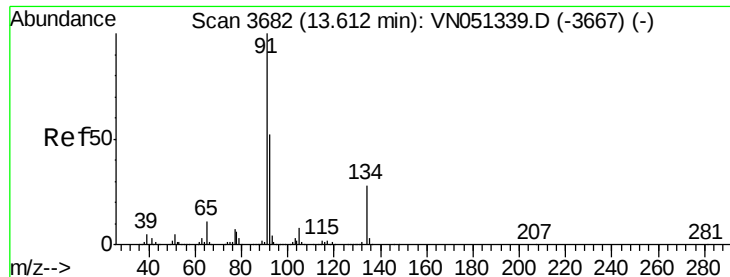
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#88  
 1,4-Dichlorobenzene  
 Concen: 5.075 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.0  | 18.2  | 54.6  |
| 148     | 66.2  | 32.5  | 97.4  |





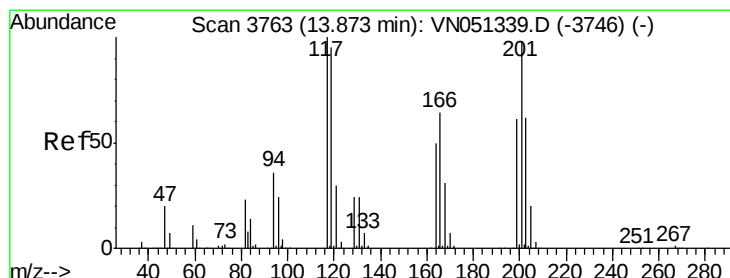
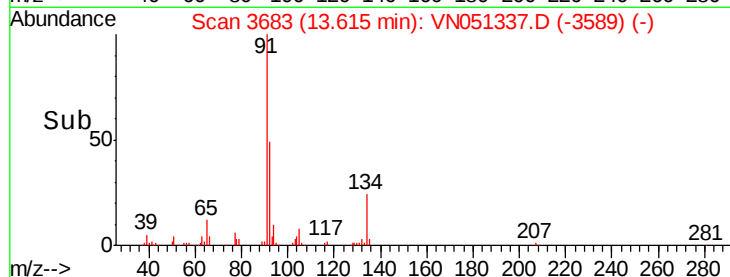
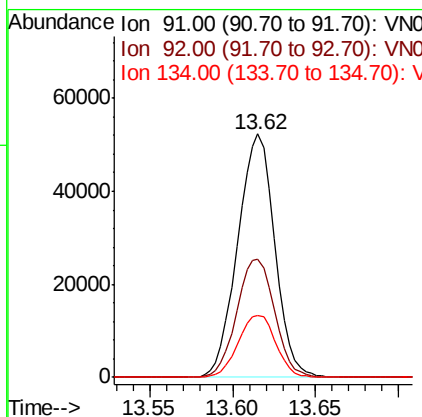
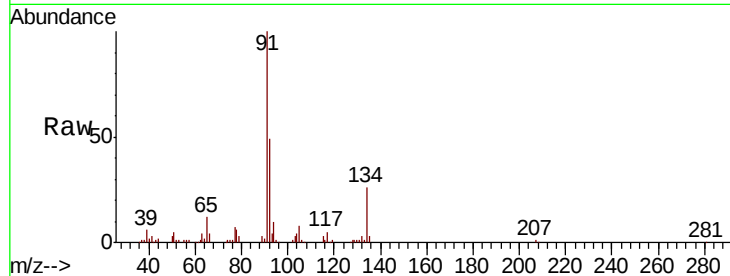
#89  
n-Butylbenzene  
Concen: 4.537 ug/l  
RT: 13.62 min Scan# 3683  
Delta R.T. 0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 49.5  | 26.0  | 78.0  |
| 134     | 25.9  | 14.1  | 42.4  |

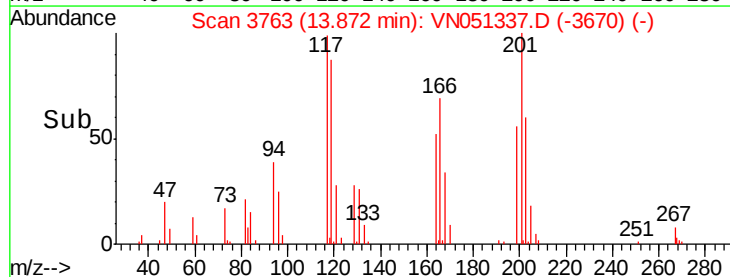
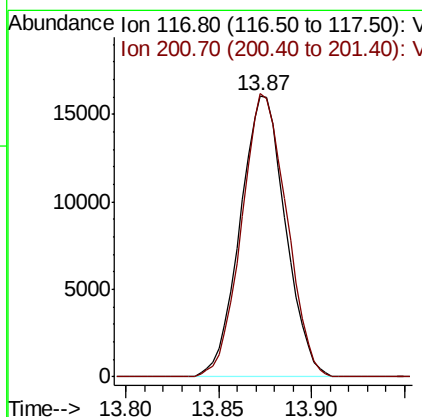
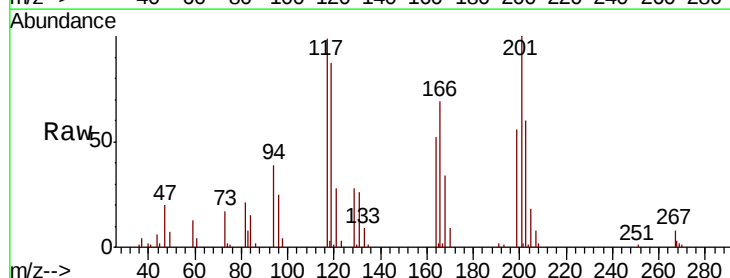
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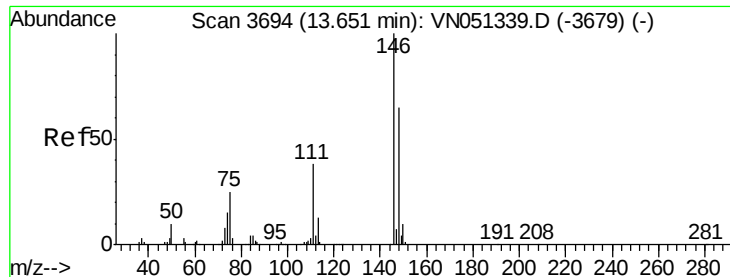
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#90  
Hexachloroethane  
Concen: 5.498 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. -0.00 min  
Lab File: VN051337.D  
Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 100.1 | 49.5  | 148.3 |





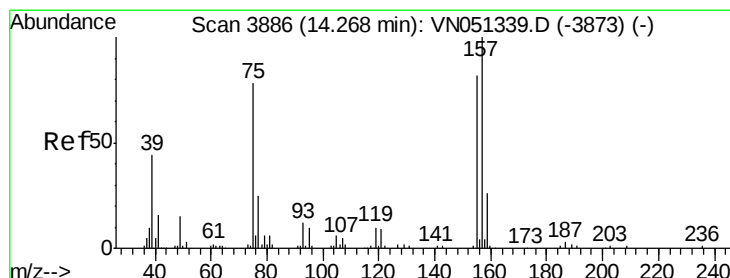
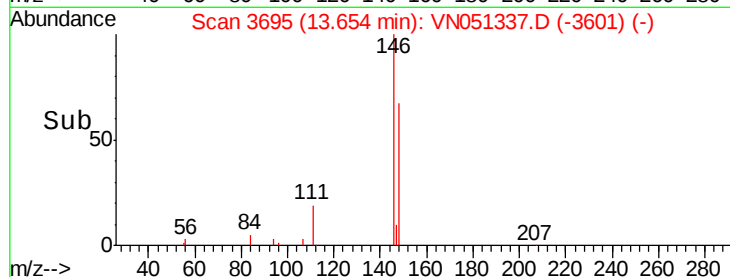
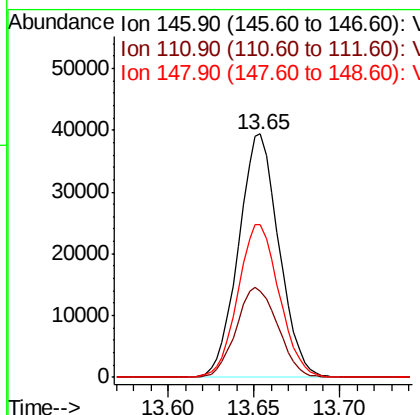
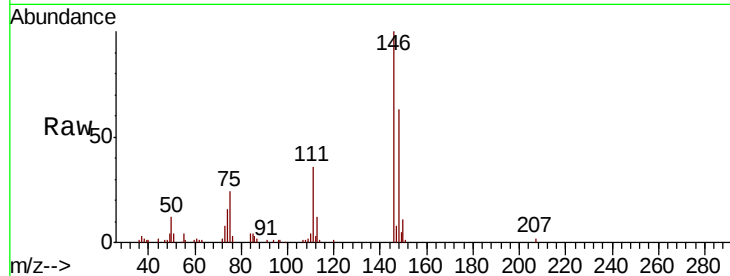
#91  
 1,2-Dichlorobenzene  
 Concen: 5.192 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.3  | 57.8  |
| 148     | 64.2  | 32.9  | 98.7  |

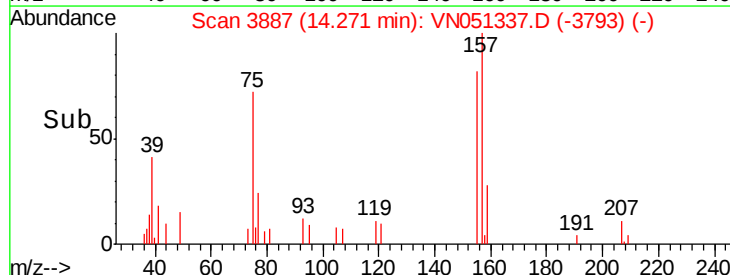
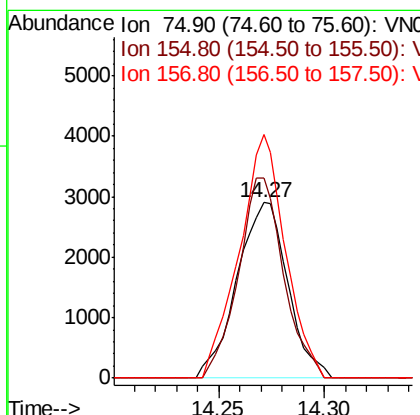
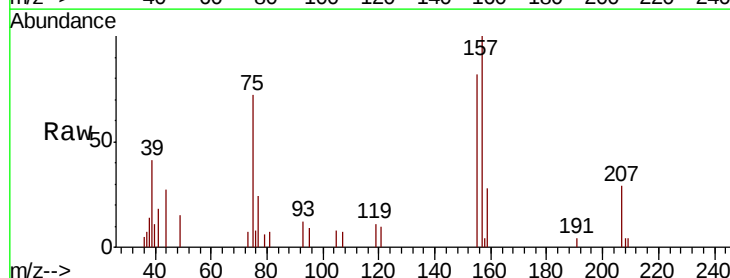
Manual Integrations  
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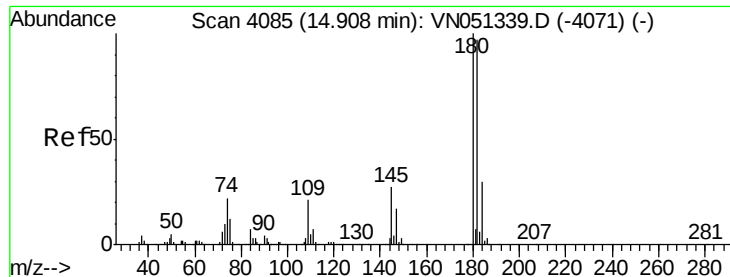
MMDadoda  
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.395 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 101.7 | 51.4  | 154.2 |
| 157     | 125.9 | 65.4  | 196.2 |





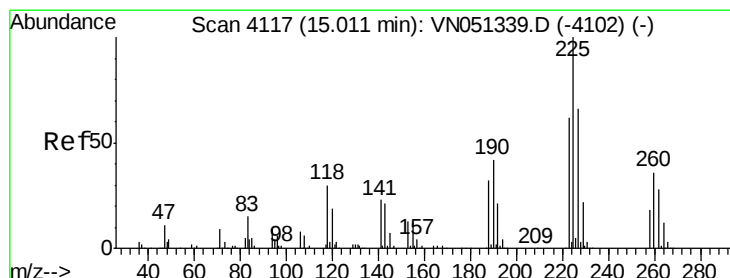
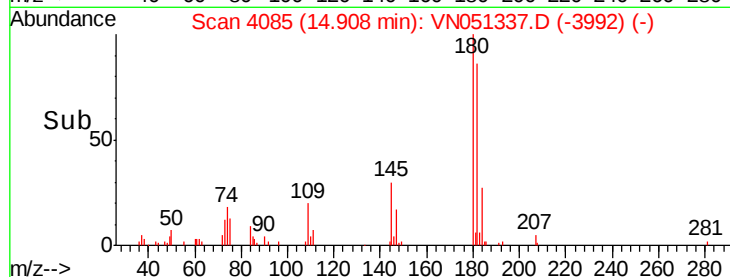
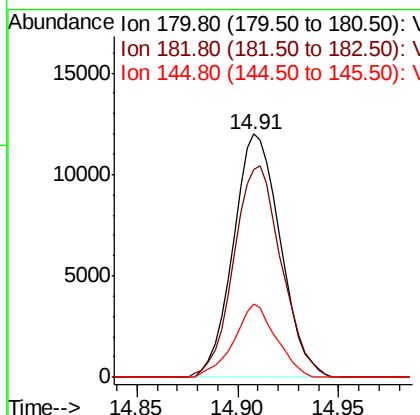
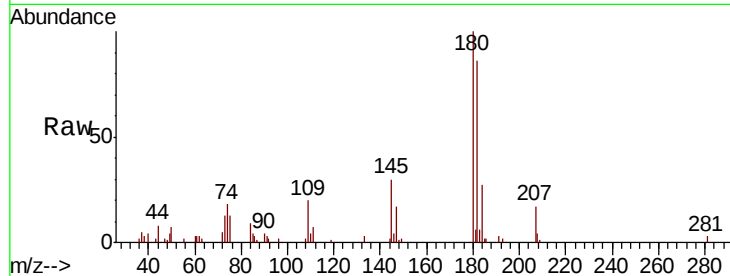
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.465 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 19587 |       |       |
| 182     | 88.1  | 48.4  | 145.2 |       |
| 145     | 27.0  | 13.7  | 41.1  |       |

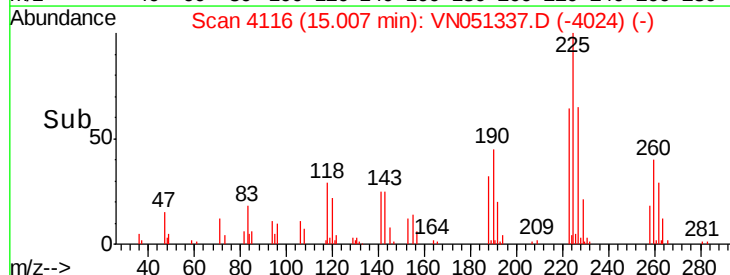
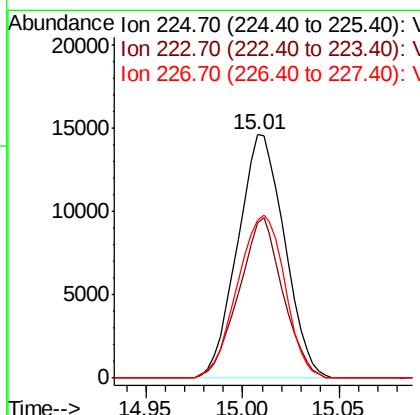
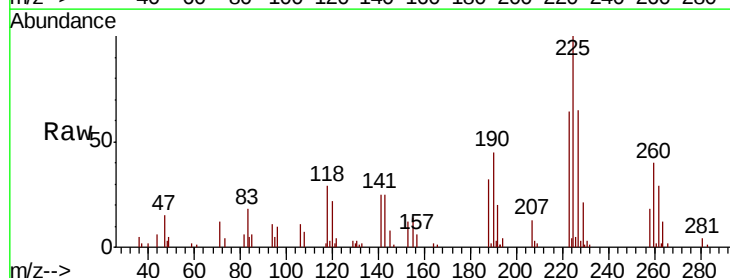
Manual Integrations  
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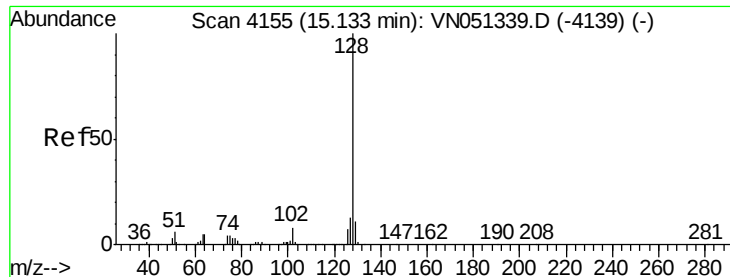
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#94  
 Hexachlorobutadiene  
 Concen: 5.149 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN051337.D  
 Acq: 20 Sep 2018 13:52

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 24645 |       |       |
| 223     | 62.0  | 31.2  | 93.6  |       |
| 227     | 67.7  | 32.8  | 98.4  |       |





#95

Naphthalene

Concen: 2.855 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

Instrument :

MSVOA\_N

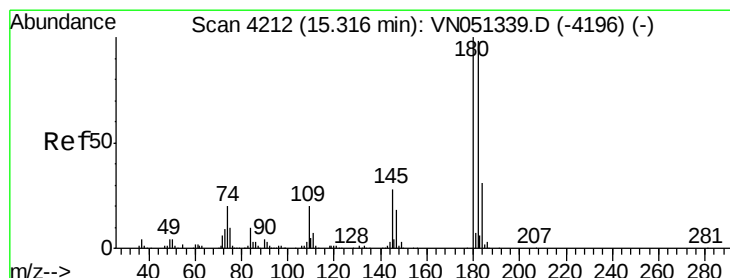
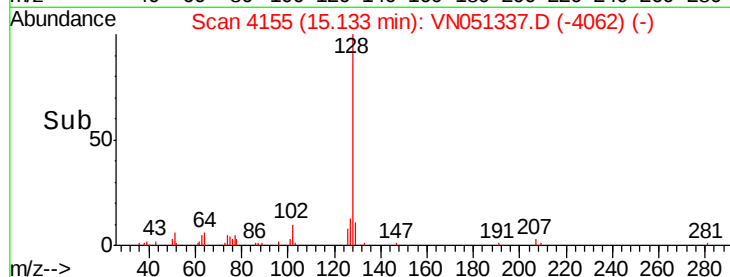
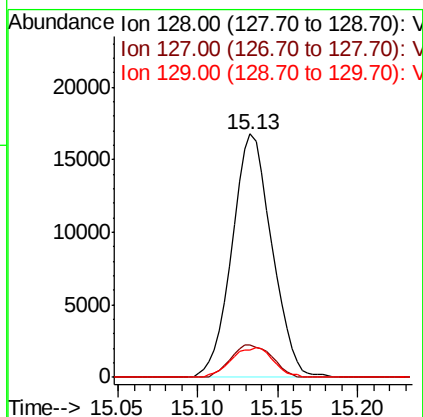
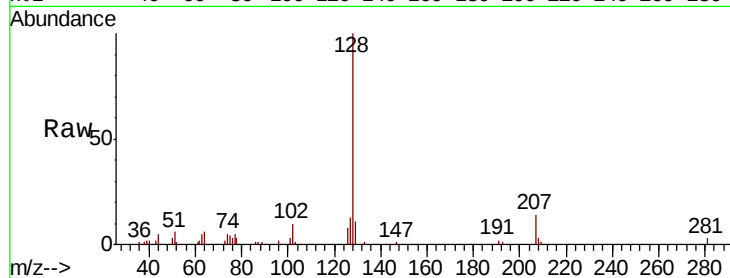
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 128   | Resp: | 28453 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 13.9  | 10.3  | 15.5  |
| 129      | 12.8  | 8.6   | 13.0  |

Manual Integrations  
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#96

1,2,3-Trichlorobenzene

Concen: 3.764 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051337.D

Acq: 20 Sep 2018 13:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 21171 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.3  | 48.1  | 144.3 |
| 145      | 28.5  | 14.3  | 42.9  |

