

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\  
 Data File : VN053041.D  
 Acq On : 20 Dec 2018 5:30  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 48 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Dec 20 06:48:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1153296  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1763474  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1579539  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 687379   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 591884   | 50.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.14% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 472800   | 58.69 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 117.38% |      |
| 50) Toluene-d8            | 10.09  | 98  | 2224466  | 51.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.88% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 752670   | 49.58 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.16%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 512527  | 43.910  | ug/l | 100    |
| 3) Chloromethane              | 2.06 | 50  | 656617  | 46.423  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.19 | 62  | 679417  | 47.429  | ug/l | 100    |
| 5) Bromomethane               | 2.57 | 94  | 439419  | 44.275  | ug/l | 100    |
| 6) Chloroethane               | 2.71 | 64  | 391165  | 46.107  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.03 | 101 | 857241  | 48.038  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 340334  | 50.553  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.77 | 101 | 520770  | 45.770  | ug/l | 97     |
| 10) Methyl Iodide             | 3.96 | 142 | 782118  | 48.949  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.78 | 59  | 177745  | 248.901 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.74 | 96  | 533510  | 48.534  | ug/l | 97     |
| 13) Acrolein                  | 3.61 | 56  | 188694  | 291.410 | ug/l | 98     |
| 14) Allyl chloride            | 4.33 | 41  | 810715  | 47.614  | ug/l | 97     |
| 15) Acrylonitrile             | 4.99 | 53  | 976935  | 246.248 | ug/l | 99     |
| 16) Acetone                   | 3.82 | 43  | 614013  | 267.574 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.06 | 76  | 1526431 | 42.580  | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 505969  | 48.608  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 1505803 | 51.189  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 603153  | 48.185  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.05 | 96  | 567132  | 48.020  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1857109 | 51.098  | ug/l | 96     |
| 23) Vinyl Acetate             | 5.90 | 43  | 5347052 | 255.852 | ug/l | 98     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 1070706 | 49.577  | ug/l | 99     |
| 25) 2-Butanone                | 6.83 | 43  | 1017565 | 264.224 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.83 | 77  | 616412  | 37.390  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 659396  | 49.317  | ug/l | 98     |
| 28) Bromochloromethane        | 7.20 | 49  | 459747  | 49.127  | ug/l | 94     |
| 29) Tetrahydrofuran           | 7.21 | 42  | 717205  | 249.350 | ug/l | 97     |
| 30) Chloroform                | 7.37 | 83  | 1047545 | 49.376  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 977267  | 48.210  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 876200  | 48.481  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 821308  | 48.523  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 486207  | 51.456  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 746637  | 48.125  | ug/l | 100    |

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 Sample : VSTDCCC050  
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Instrument :  
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 VSTDCCC050EC

Quant Time: Dec 20 06:48:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 922041   | 44.842  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 2497395  | 49.604  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 287326   | 52.628  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 723309   | 48.631  | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.16  | 43   | 921420   | 50.399  | ug/l   | 98       |
| 44) Trichloroethene            | 8.83  | 130  | 696126   | 47.803  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 662695   | 50.534  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 371791   | 48.667  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 791340   | 48.731  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 461437   | 50.325  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 107468   | 926.566 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.98  | 43   | 2375794  | 259.630 | ug/l   | 98       |
| 52) Toluene                    | 10.16 | 92   | 1549645  | 49.658  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 803313   | 47.044  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 936517   | 47.781  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 539547   | 49.559  | ug/l   | 100      |
| 56) Ethyl methacrylate         | 10.43 | 69   | 744299   | 51.652  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 935155   | 50.091  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 2019636  | 255.295 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.75 | 43   | 1593501  | 257.382 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 600589   | 48.194  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 548053   | 49.567  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 794177   | 46.416  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.43 | 112  | 1715353  | 48.991  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 602687   | 49.498  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 2954772  | 49.071  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 2211931  | 96.629  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 1083657  | 49.334  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 1786379  | 49.874  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 407215   | 46.295  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 2844195  | 52.884  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 895313   | 59.961  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 589156   | 55.838  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 788068   | 68.105  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 735618   | 52.619  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 3194532  | 52.154  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 1862062  | 49.044  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 2226355  | 50.788  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 167032   | 46.526  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1892744  | 50.927  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1950066  | 50.299  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 2282765  | 51.801  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 2551029  | 48.647  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 2192235  | 48.381  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 1205222  | 48.709  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 1193822  | 47.644  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1776258  | 45.565  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.88 | 117  | 327702   | 47.128  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 1114664  | 47.867  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 82756    | 45.362  | ug/l   | 97       |

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Acq On : 20 Dec 2018 5:30  
Operator : MD\SY  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 48 Sample Multiplier: 28

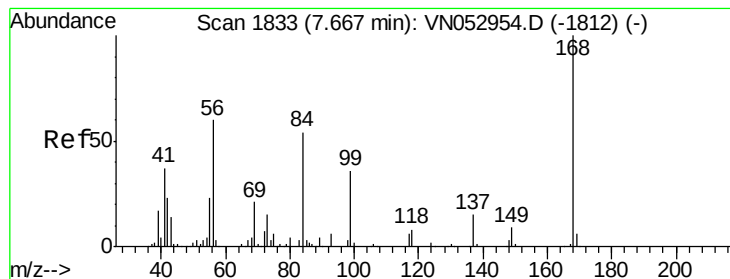
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Dec 20 06:48:18 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 569459   | 46.202 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 300246   | 46.818 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 1273935  | 47.203 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 512756   | 46.192 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

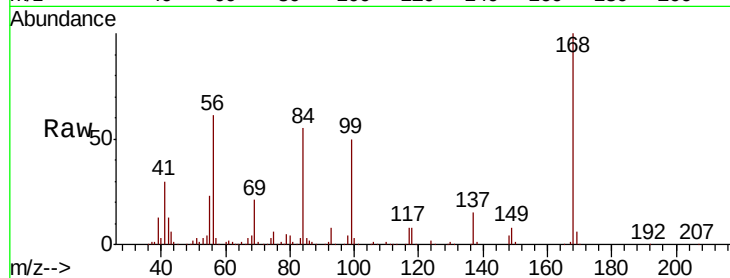
VSTDCCC050EC

Tot Ion:168 Resp: 1153296

Ion Ratio Lower Upper

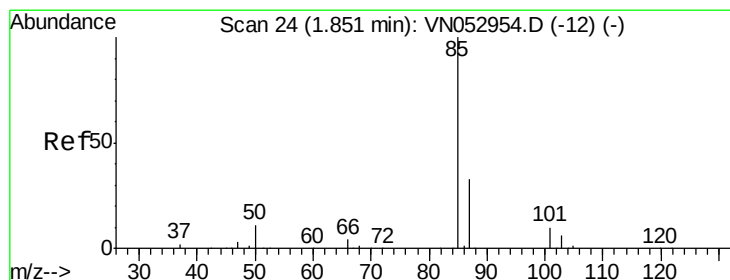
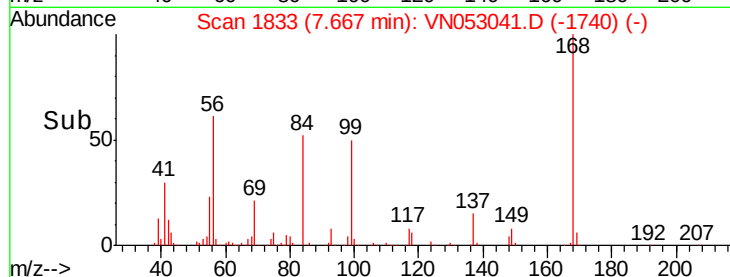
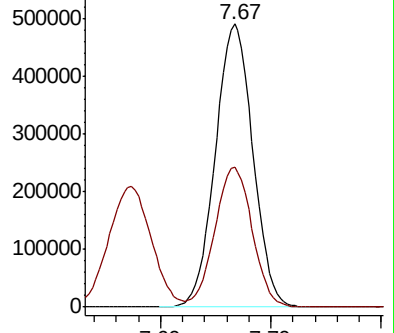
168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.910 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053041.D

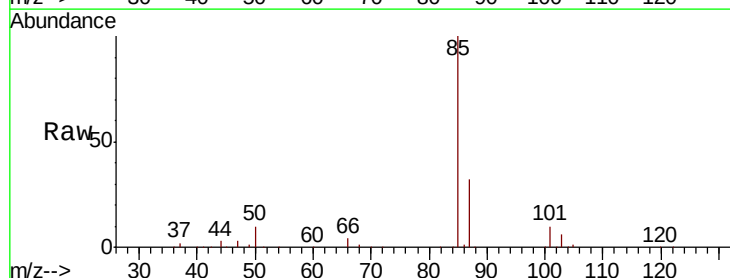
Acq: 20 Dec 2018 5:30

Tgt Ion: 85 Resp: 512527

Ion Ratio Lower Upper

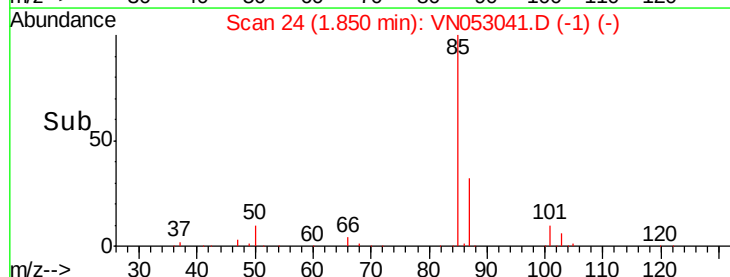
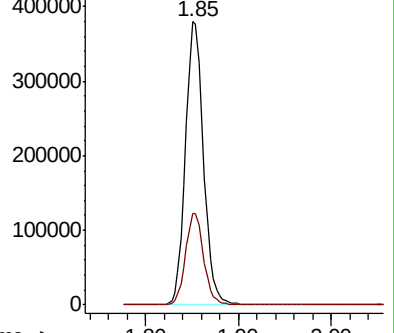
85 100

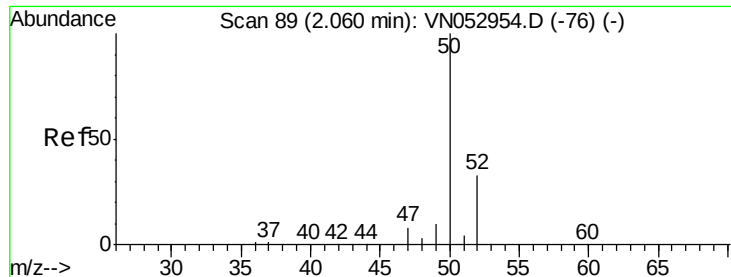
87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

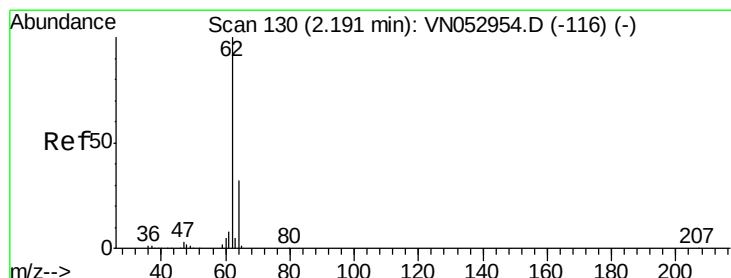
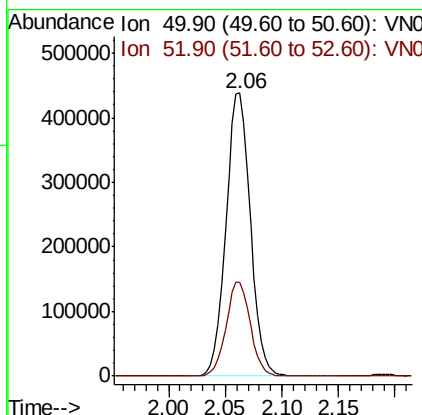
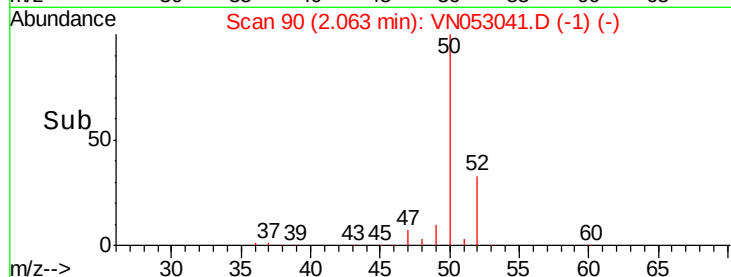
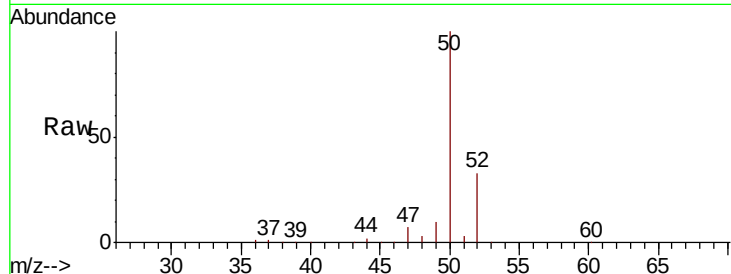




#3  
Chloromethane  
Concen: 46.423 ug/l  
RT: 2.06 min Scan# 90  
Delta R.T. 0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

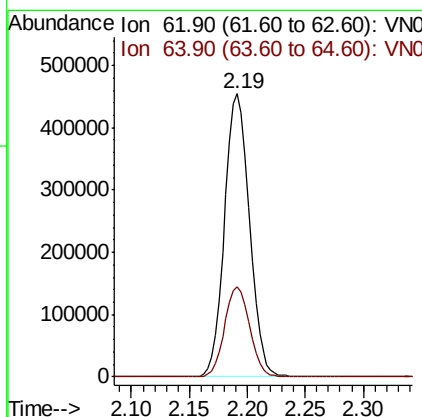
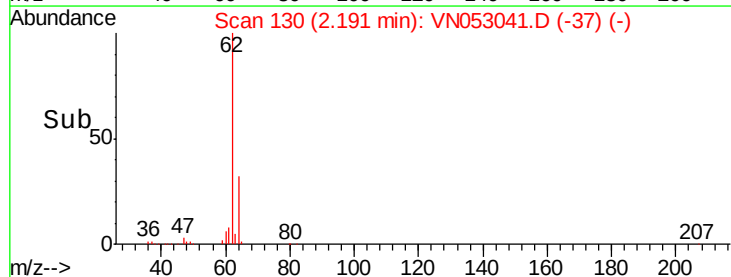
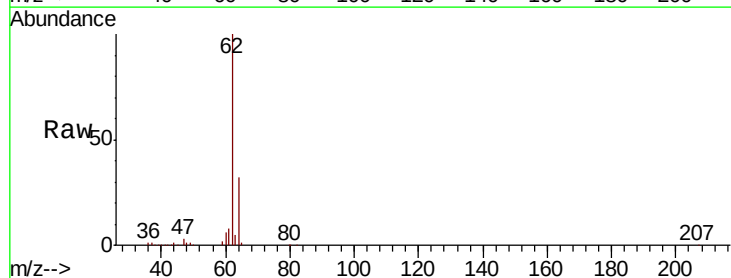
Instrument :  
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ClientSampleId :  
VSTDCCC050EC

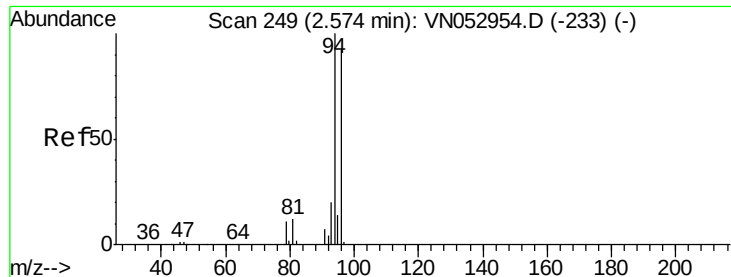
Tot Ion: 50 Resp: 656617  
Ion Ratio Lower Upper  
50 100  
52 33.1 26.2 39.4



#4  
Vinyl Chloride  
Concen: 47.429 ug/l  
RT: 2.19 min Scan# 130  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion: 62 Resp: 679417  
Ion Ratio Lower Upper  
62 100  
64 31.7 25.5 38.3





#5

Bromomethane

Concen: 44.275 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

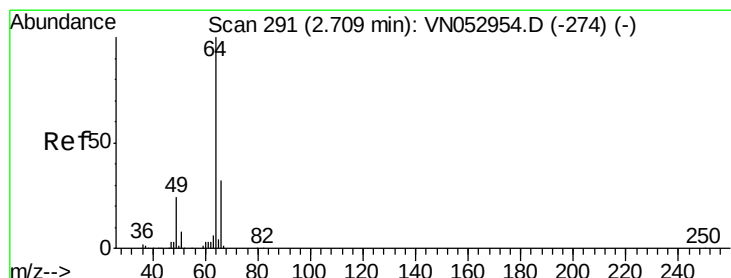
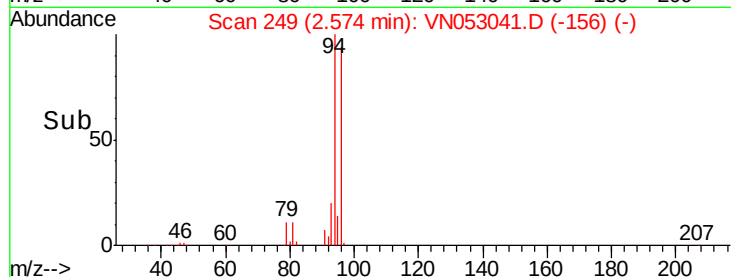
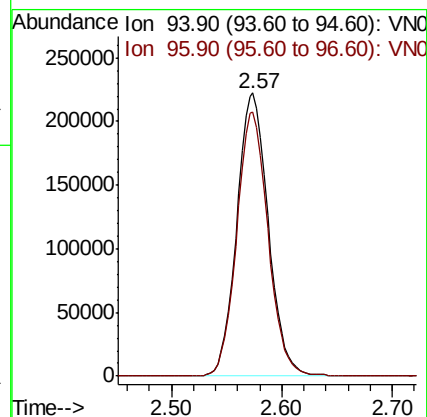
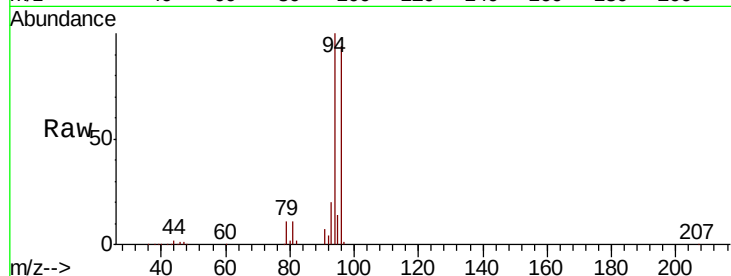
VSTDCCC050EC

Tot Ion: 94 Resp: 439419

Ion Ratio Lower Upper

94 100

96 93.5 75.0 112.4



#6

Chloroethane

Concen: 46.107 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053041.D

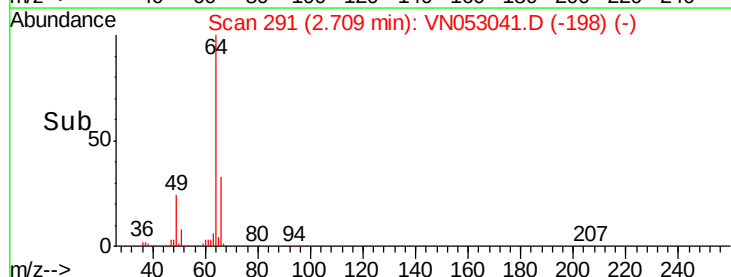
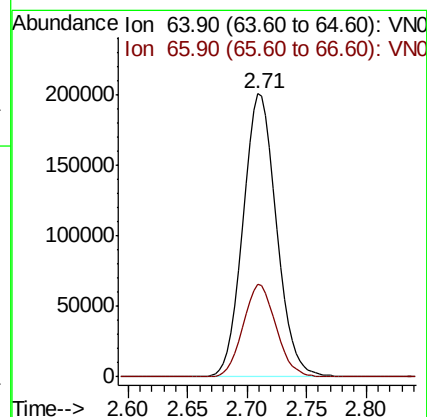
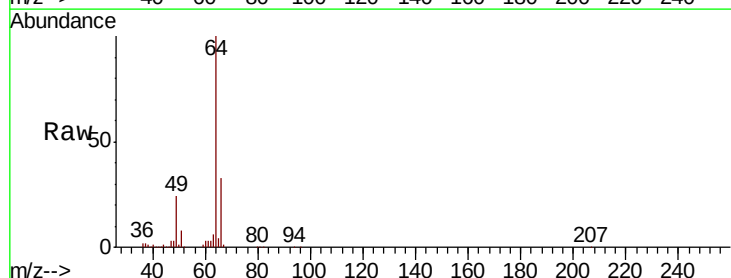
Acq: 20 Dec 2018 5:30

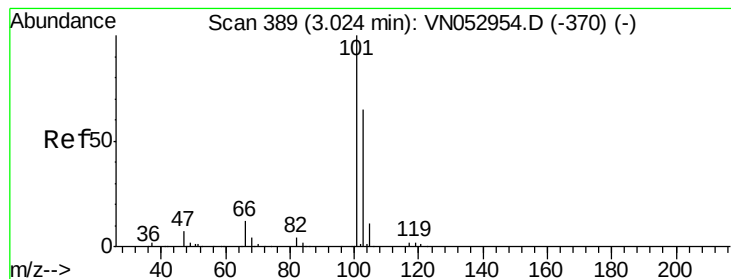
Tgt Ion: 64 Resp: 391165

Ion Ratio Lower Upper

64 100

66 32.6 26.2 39.2



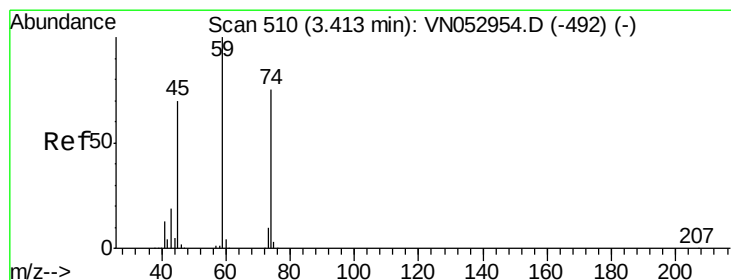
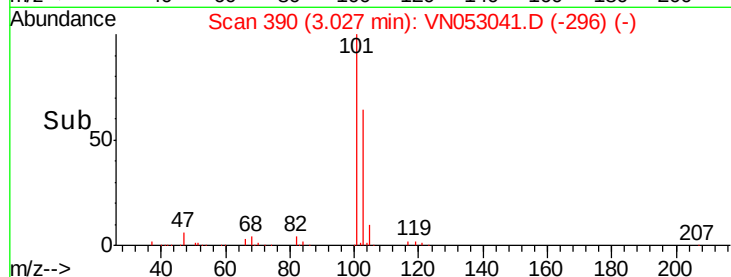
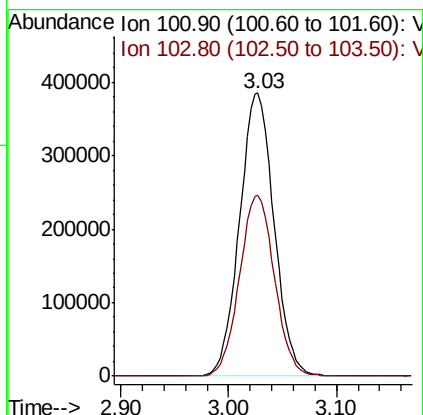
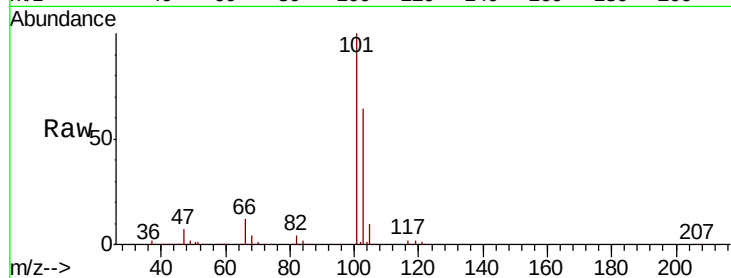


#7

Trichlorofluoromethane  
 Concen: 48.038 ug/l  
 RT: 3.03 min Scan# 390  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

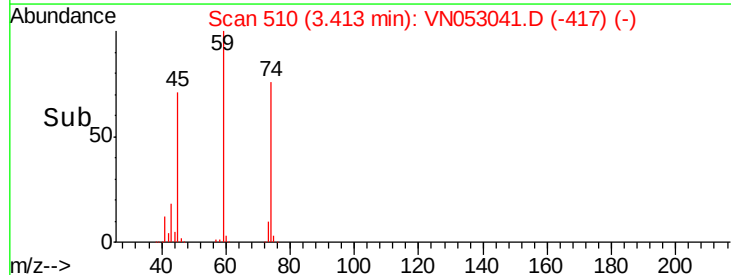
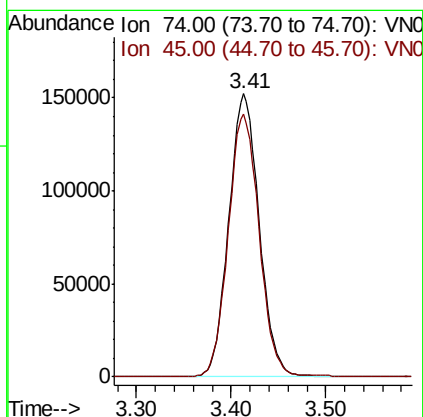
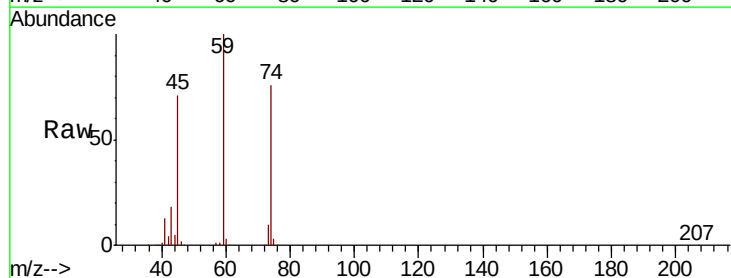
Tot Ion:101 Resp: 857241  
 Ion Ratio Lower Upper  
 101 100  
 103 64.1 51.8 77.6



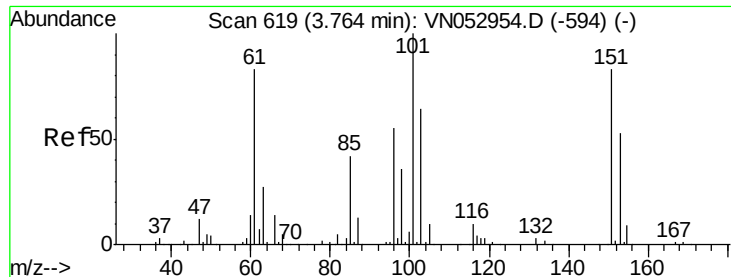
#8

Diethyl Ether  
 Concen: 50.553 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion: 74 Resp: 340334  
 Ion Ratio Lower Upper  
 74 100  
 45 93.8 49.4 148.0







#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.770 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

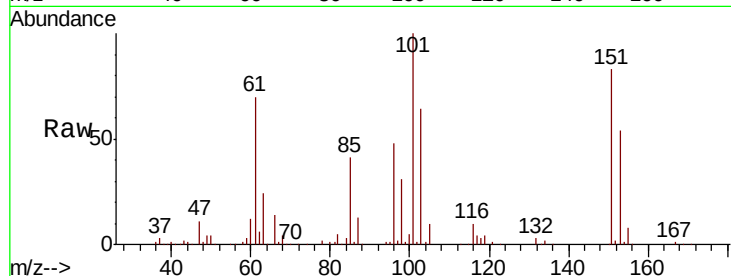
Tot Ion:101 Resp: 520770

Ion Ratio Lower Upper

101 100

85 41.0 33.6 50.4

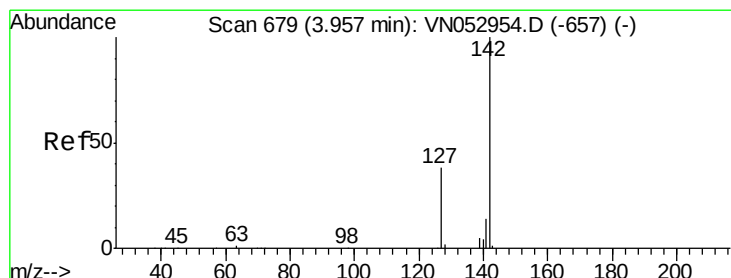
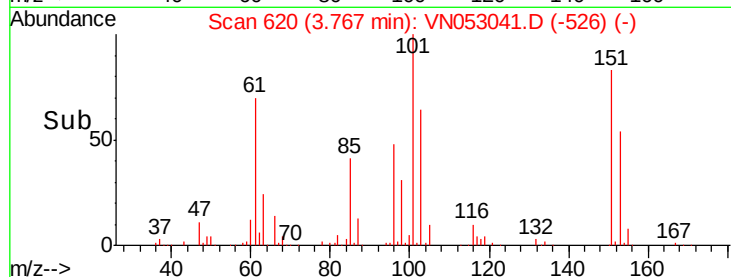
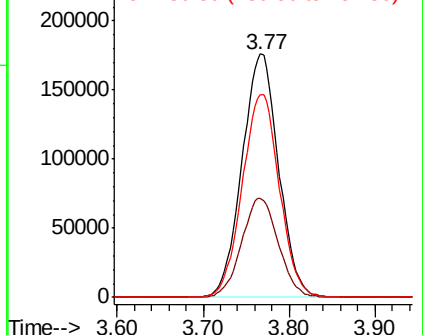
151 84.7 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.949 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

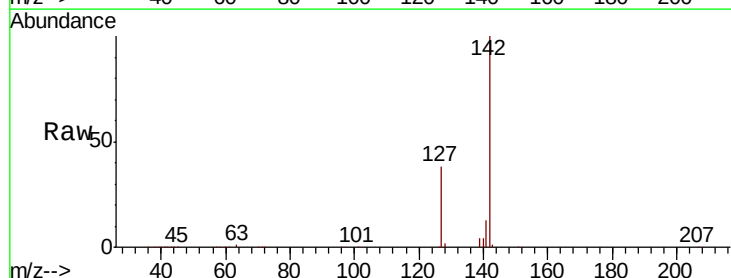
Tgt Ion:142 Resp: 782118

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.6

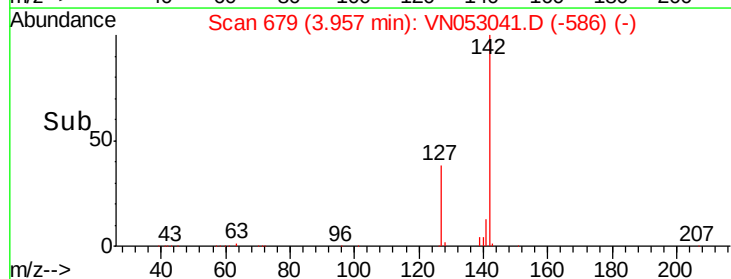
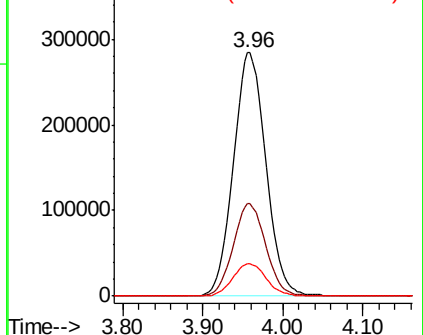
141 13.7 11.2 16.8

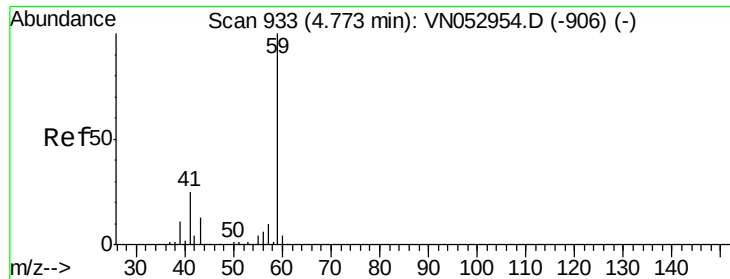


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

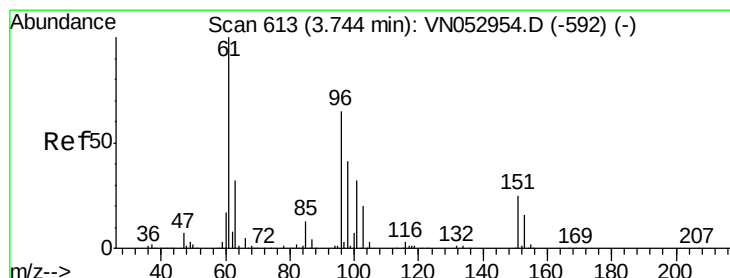
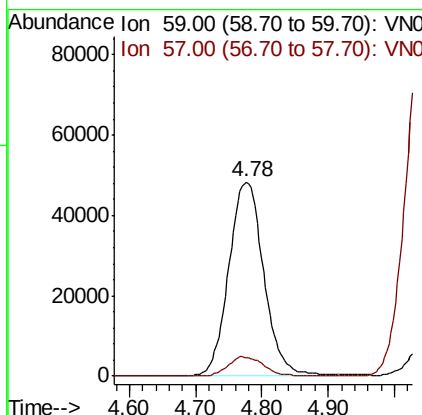
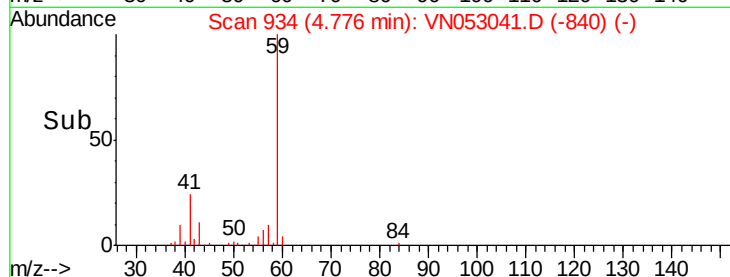
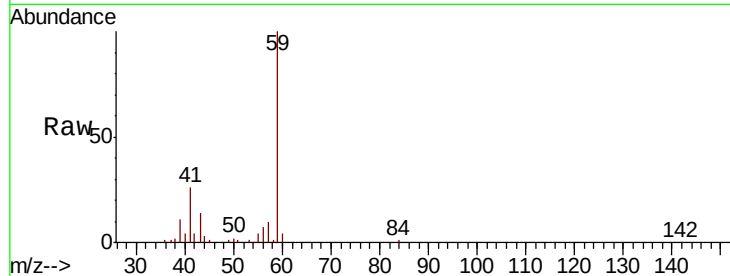




#11  
Tert butyl alcohol  
Concen: 248.901 ug/l  
RT: 4.78 min Scan# 934  
Delta R.T. 0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

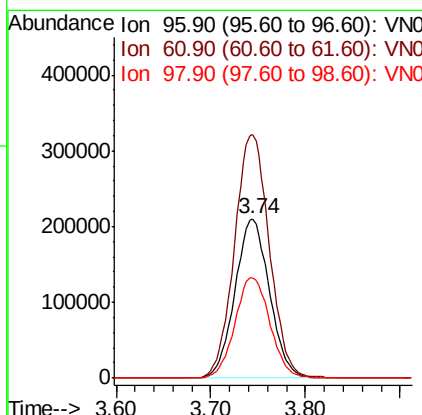
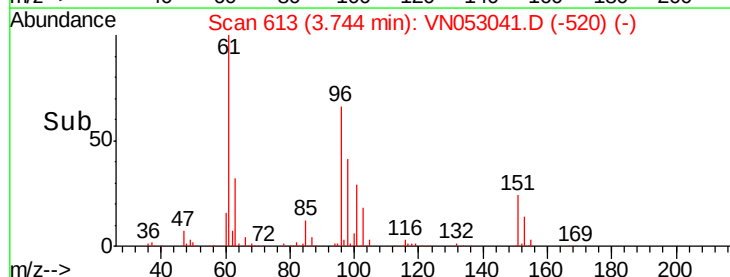
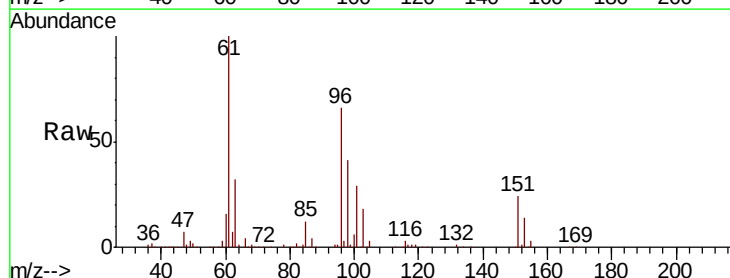
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

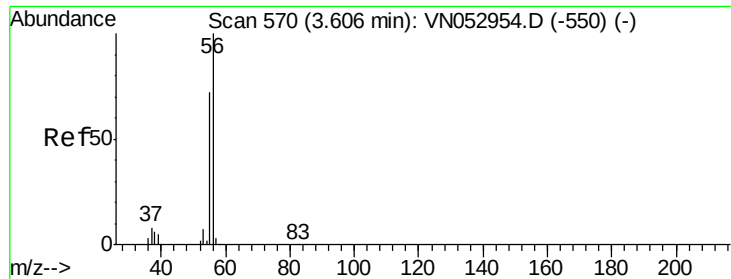
Tot Ion: 59 Resp: 177745  
Ion Ratio Lower Upper  
59 100  
57 10.0 7.7 11.5



#12  
1,1-Dichloroethene  
Concen: 48.534 ug/l  
RT: 3.74 min Scan# 613  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion: 96 Resp: 533510  
Ion Ratio Lower Upper  
96 100  
61 152.6 125.6 188.4  
98 62.8 50.6 75.8

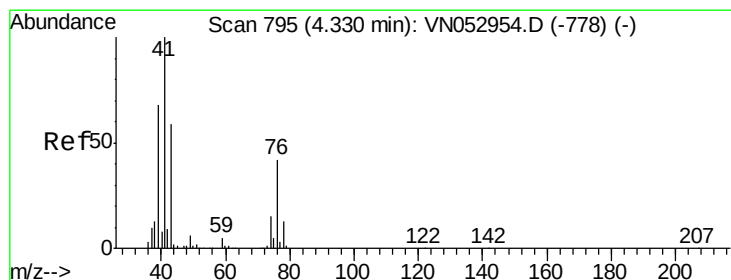
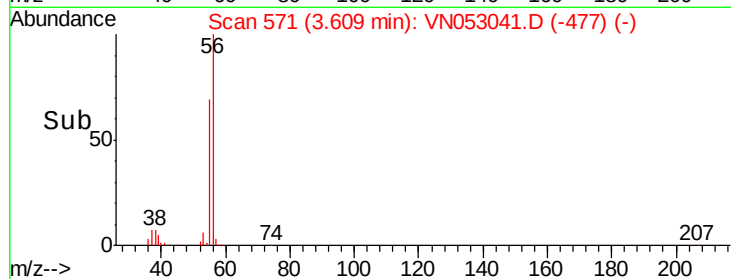
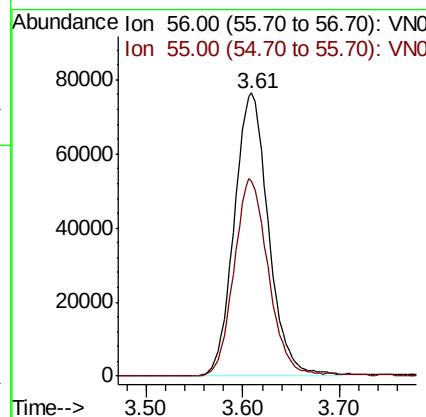
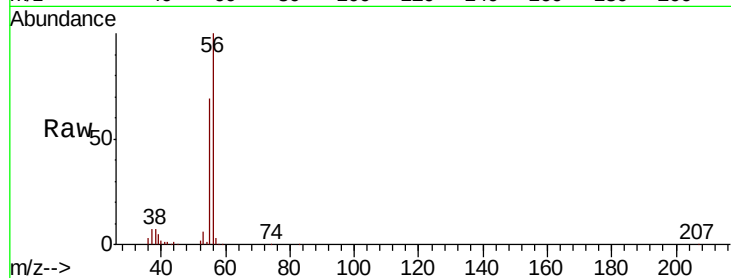




#13  
 Acrolein  
 Concen: 291.410 ug/l  
 RT: 3.61 min Scan# 571  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

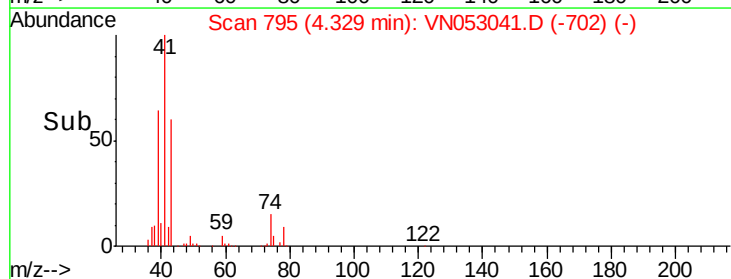
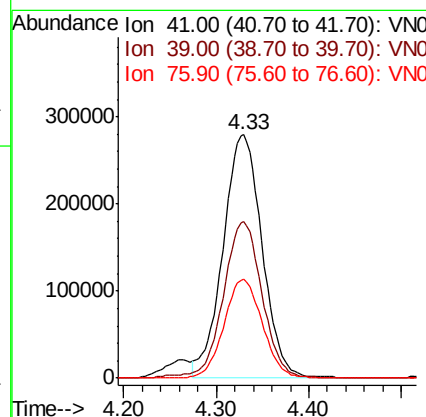
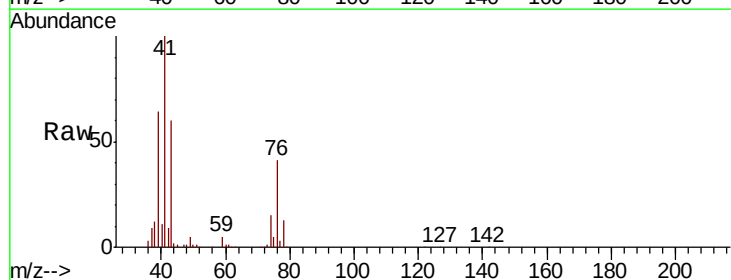
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

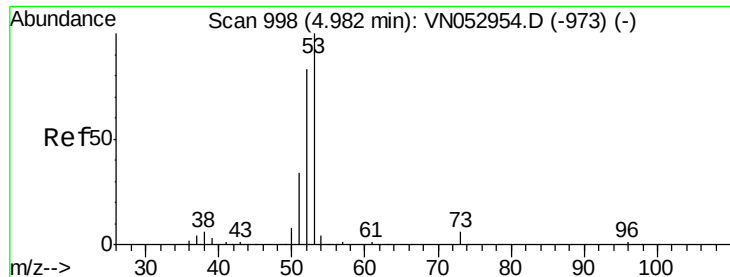
Tot Ion: 56 Resp: 188694  
 Ion Ratio Lower Upper  
 56 100  
 55 69.5 56.6 85.0



#14  
 Allyl chloride  
 Concen: 47.614 ug/l  
 RT: 4.33 min Scan# 795  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion: 41 Resp: 810715  
 Ion Ratio Lower Upper  
 41 100  
 39 64.6 54.1 81.1  
 76 39.5 30.3 45.5





#15

Acrylonitrile

Concen: 246.248 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

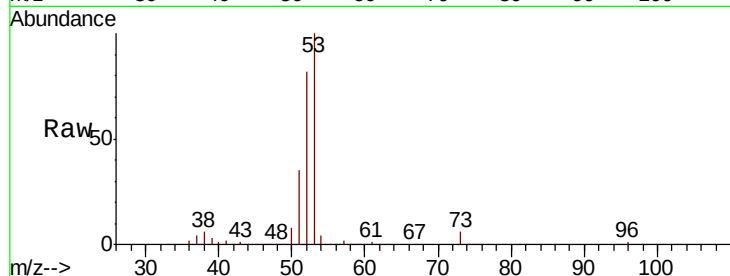
Tot Ion: 53 Resp: 976935

Ion Ratio Lower Upper

53 100

52 82.4 65.1 97.7

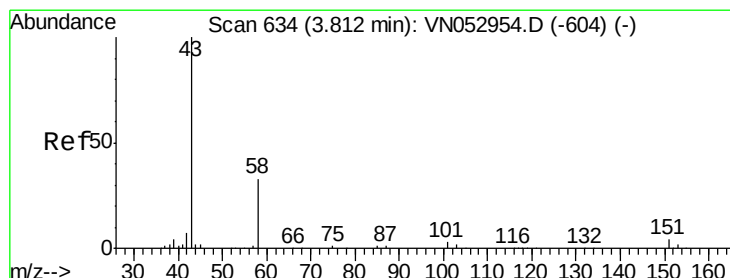
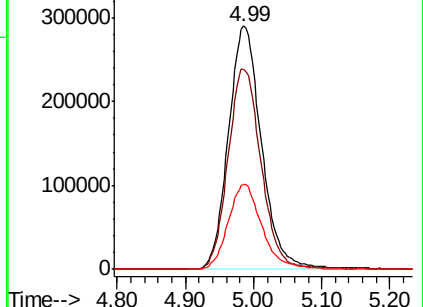
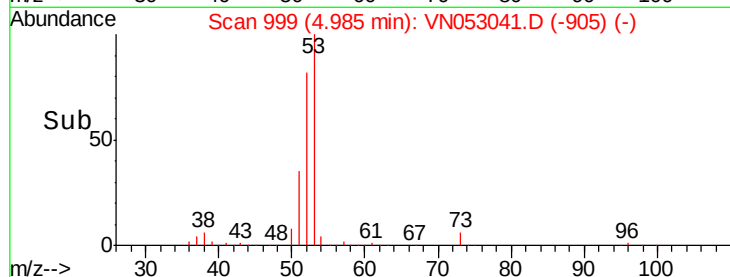
51 35.6 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053041.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053041.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053041.D (-905) (-)



#16

Acetone

Concen: 267.574 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053041.D

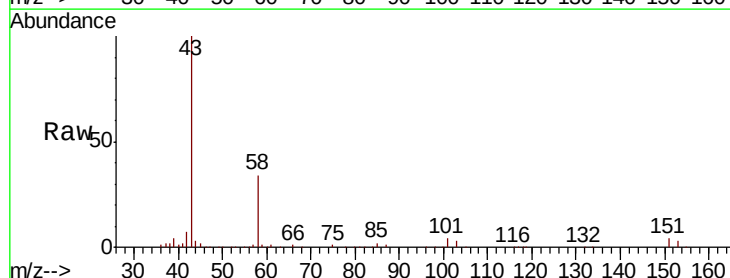
Acq: 20 Dec 2018 5:30

Tgt Ion: 43 Resp: 614013

Ion Ratio Lower Upper

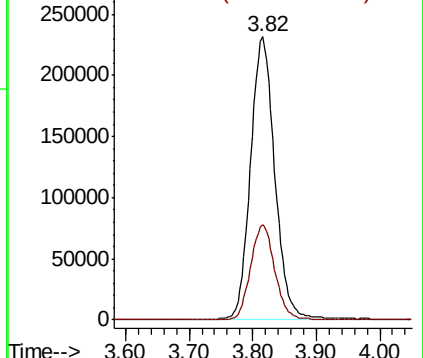
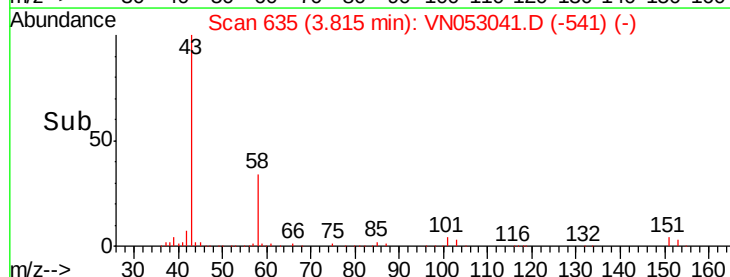
43 100

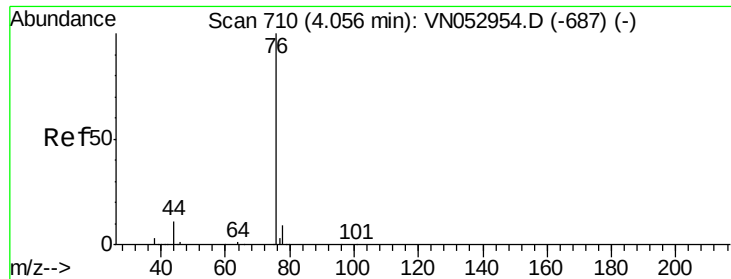
58 33.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053041.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053041.D (-541) (-)





#17

Carbon Disulfide

Concen: 42.580 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

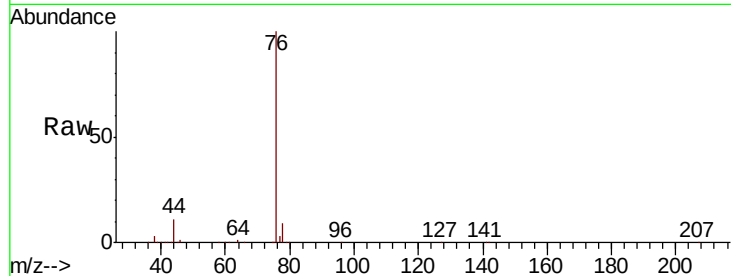
VSTDCCC050EC

Tot Ion: 76 Resp: 1526431

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-687) (-)

4.06

600000

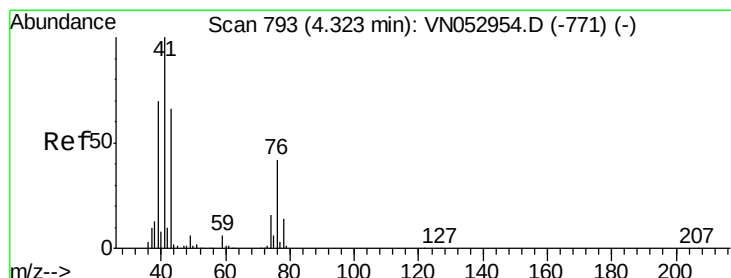
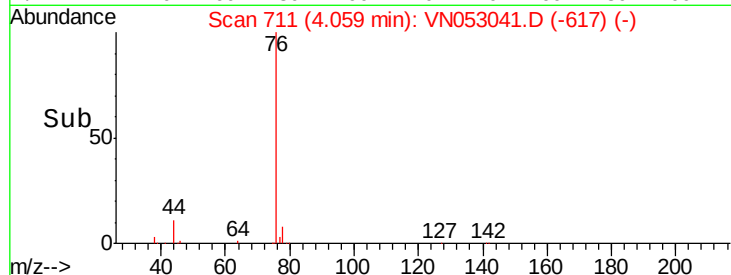
400000

200000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 48.608 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053041.D

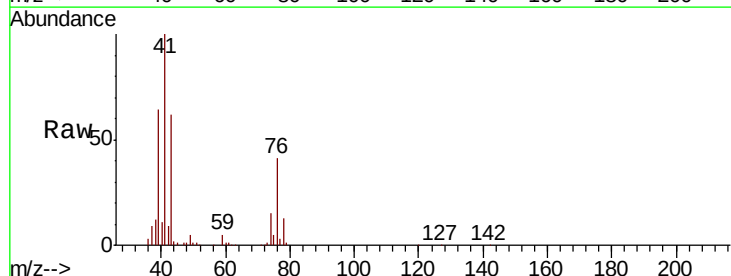
Acq: 20 Dec 2018 5:30

Tgt Ion: 43 Resp: 505969

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN052954.D (-771) (-)

4.33

200000

150000

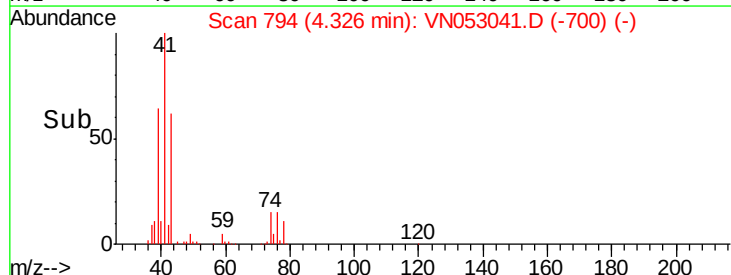
100000

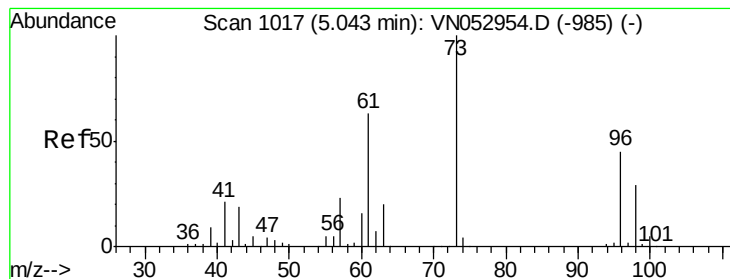
50000

0

4.20 4.30 4.40 4.50

Time-->





#19

Methyl tert-butyl Ether

Concen: 51.189 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

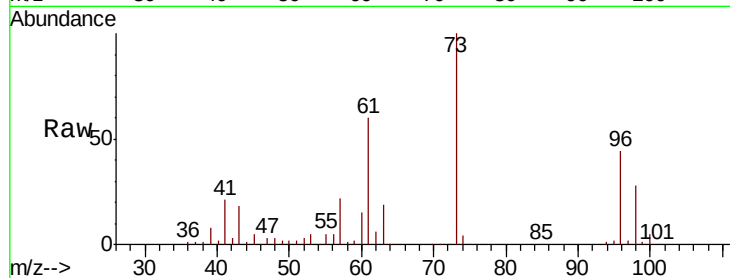
VSTDCCC050EC

Tot Ion: 73 Resp: 1505803

Ion Ratio Lower Upper

73 100

57 22.4 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN052954.D (-985) (-)

Ion 57.00 (56.70 to 57.70): VN052954.D (-985) (-)

5.05

400000

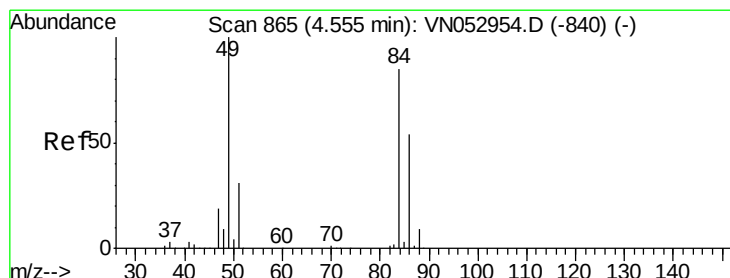
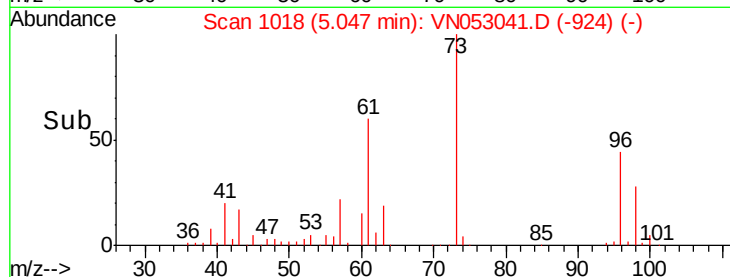
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 48.185 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Tgt Ion: 84 Resp: 603153

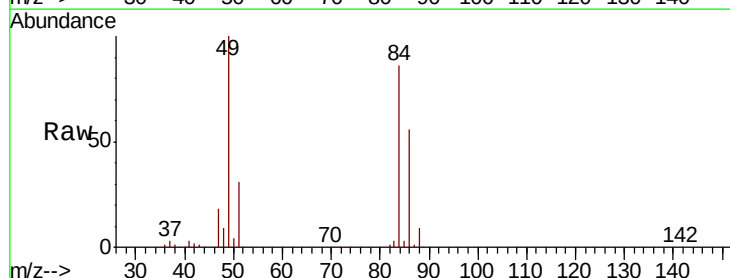
Ion Ratio Lower Upper

84 100

49 117.0 96.8 145.2

51 35.9 29.9 44.9

86 65.7 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN052954.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN052954.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN052954.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN052954.D (-840) (-)

4.55

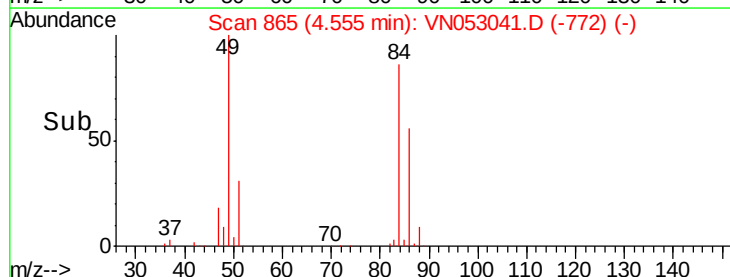
300000

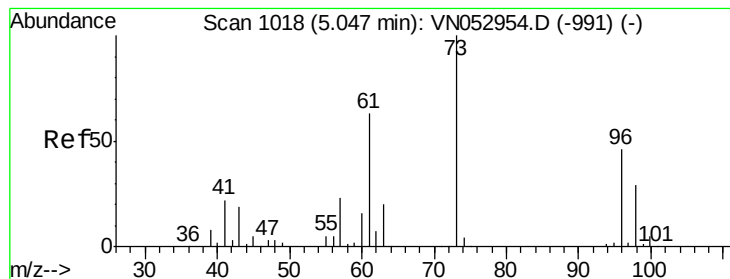
200000

100000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 48.020 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

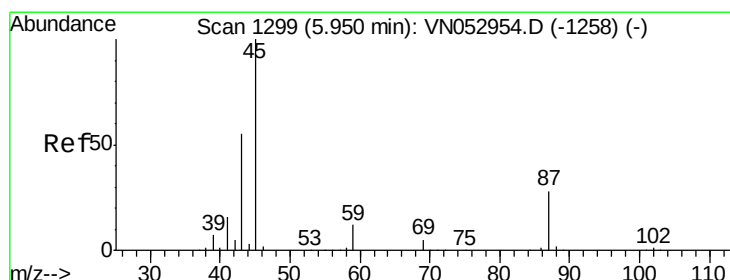
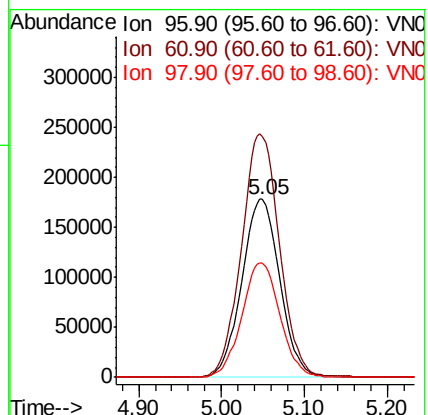
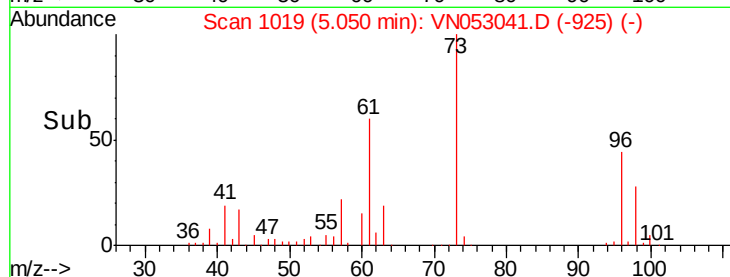
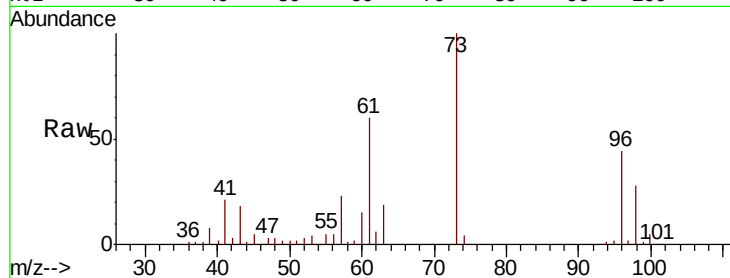
Tot Ion: 96 Resp: 567132

Ion Ratio Lower Upper

96 100

61 135.6 110.8 166.2

98 64.1 51.4 77.2



#22

Diisopropyl ether

Concen: 51.098 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Tgt Ion: 45 Resp: 1857109

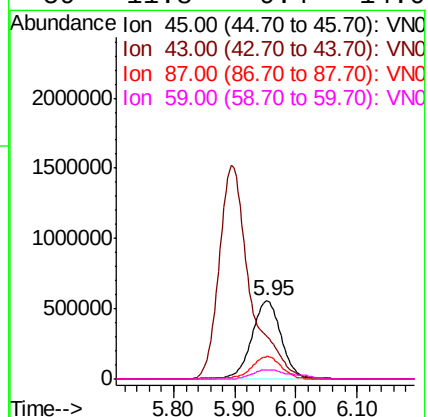
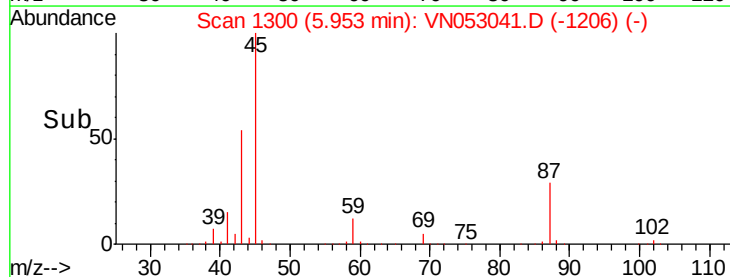
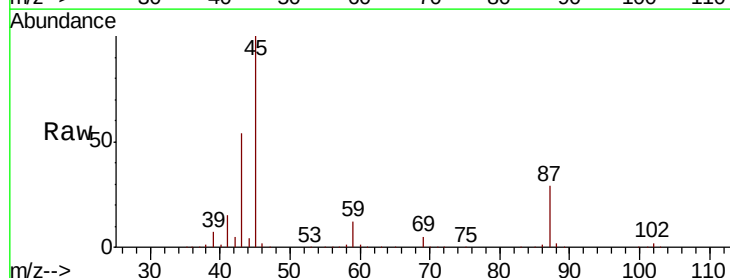
Ion Ratio Lower Upper

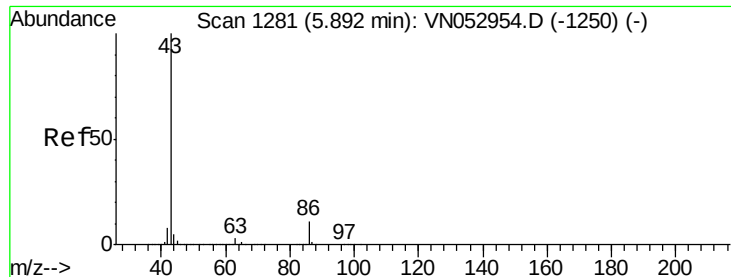
45 100

43 53.2 45.5 68.3

87 28.6 22.0 33.0

59 11.8 9.4 14.0





#23

Vinyl Acetate

Concen: 255.852 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

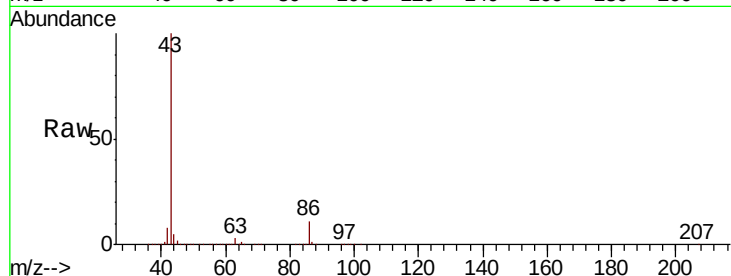
VSTDCCC050EC

Tot Ion: 43 Resp: 5347052

Ion Ratio Lower Upper

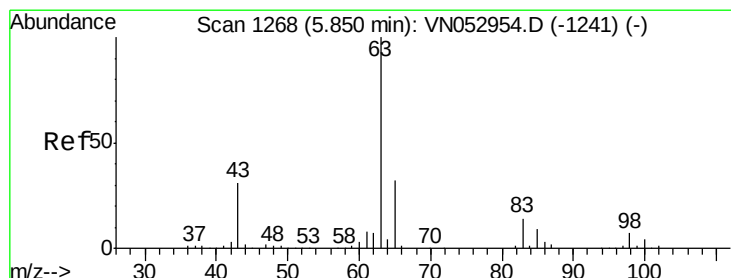
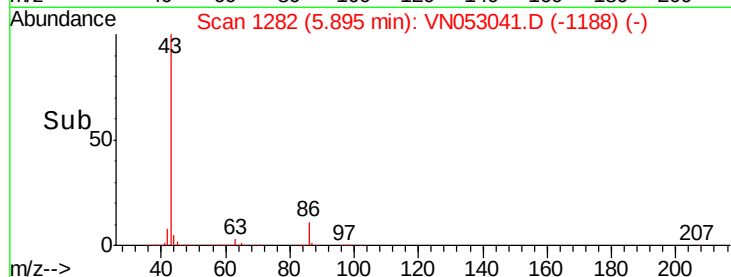
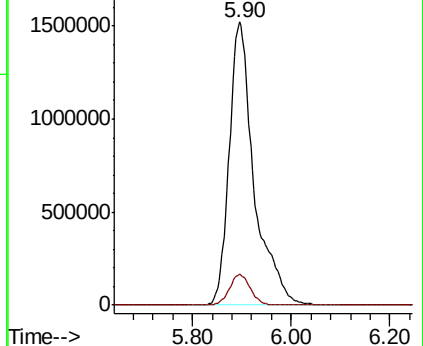
43 100

86 10.9 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1250) (-)

Ion 86.00 (85.70 to 86.70): VN052954.D (-1250) (-)



#24

1,1-Dichloroethane

Concen: 49.577 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

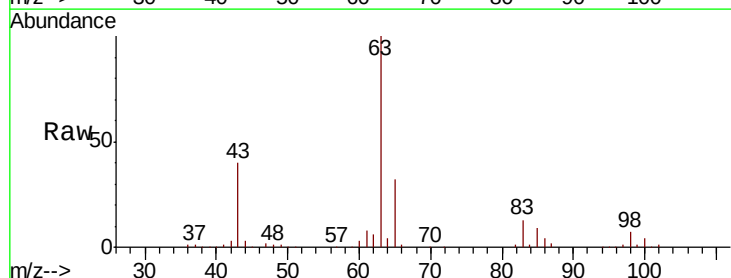
Tgt Ion: 63 Resp: 1070706

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

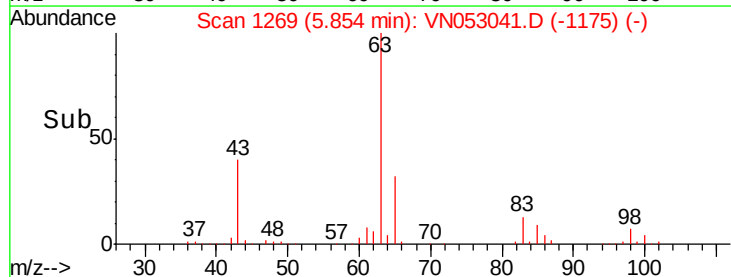
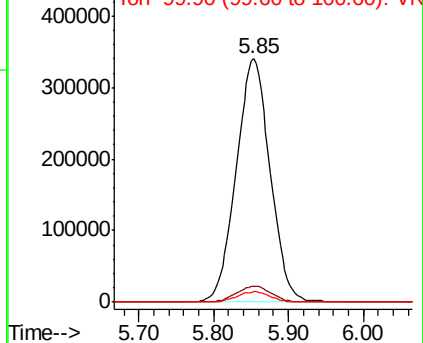
100 4.2 2.0 5.8



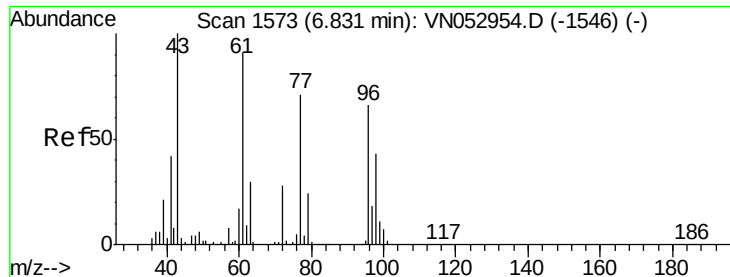
Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN052954.D (-1241) (-)







#25

2-Butanone

Concen: 264.224 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

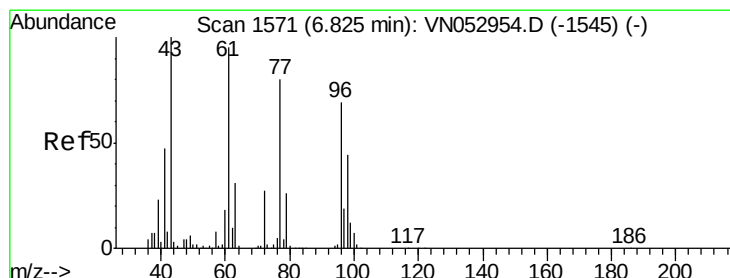
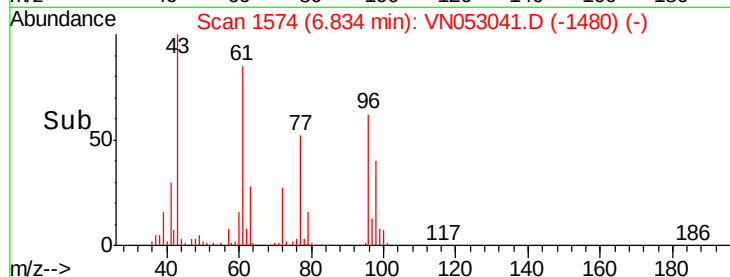
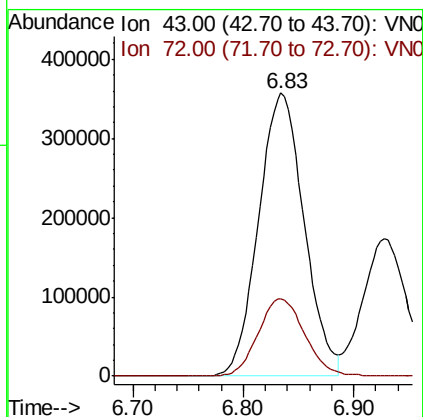
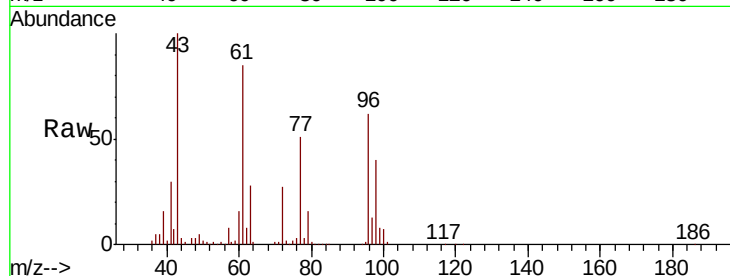
VSTDCCC050EC

Tot Ion: 43 Resp: 1017565

Ion Ratio Lower Upper

43 100

72 27.4 21.0 31.6



#26

2,2-Dichloropropane

Concen: 37.390 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053041.D

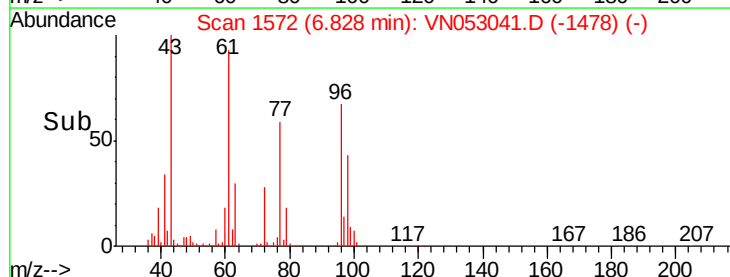
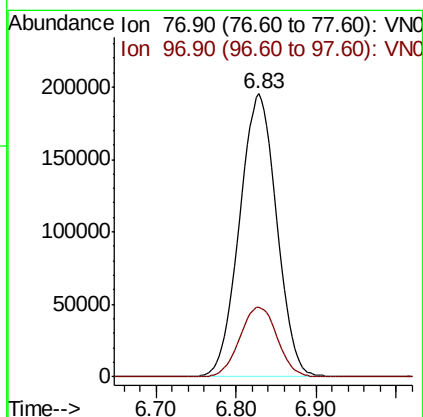
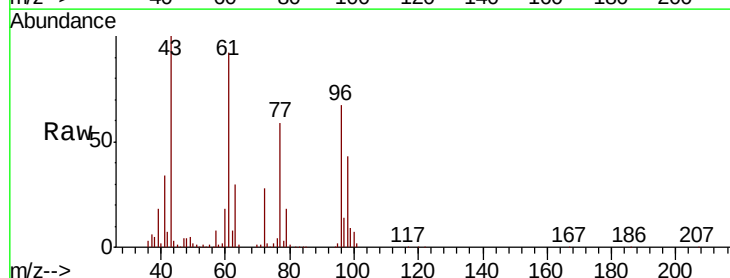
Acq: 20 Dec 2018 5:30

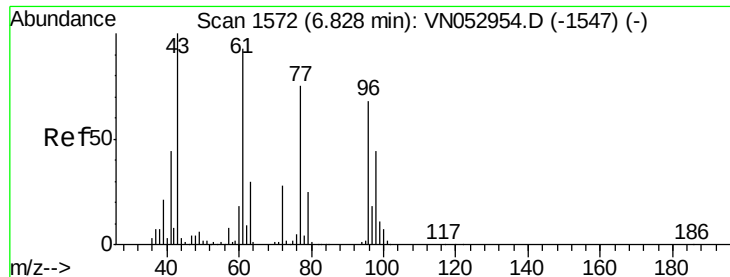
Tgt Ion: 77 Resp: 616412

Ion Ratio Lower Upper

77 100

97 24.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.317 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

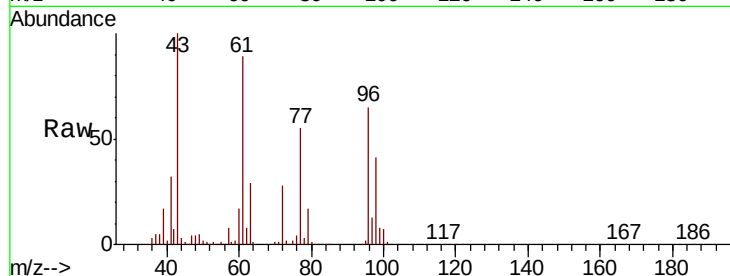
Tot Ion: 96 Resp: 659396

Ion Ratio Lower Upper

96 100

61 138.2 0.0 284.2

98 64.1 0.0 129.2

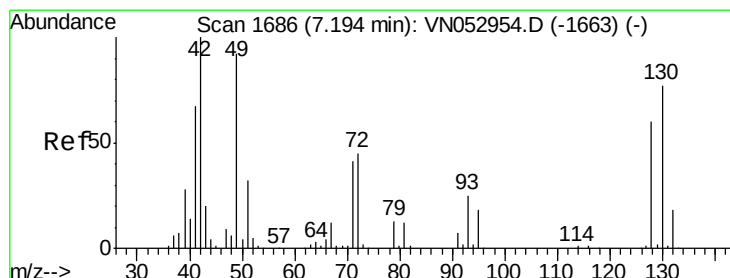
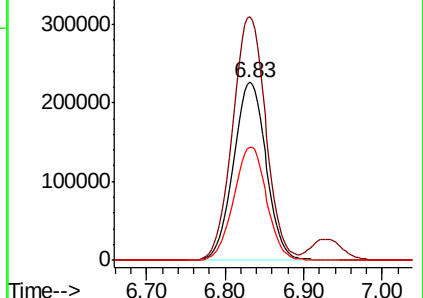
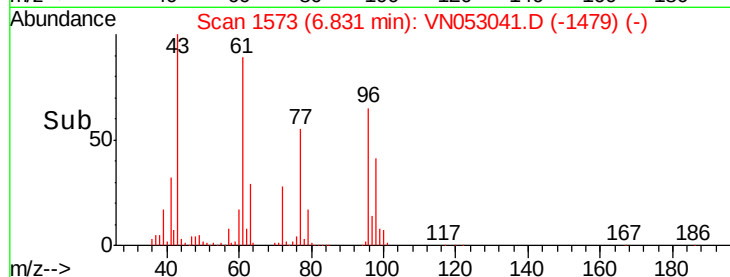


Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1547) (-)

Time-->



#28

Bromochloromethane

Concen: 49.127 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

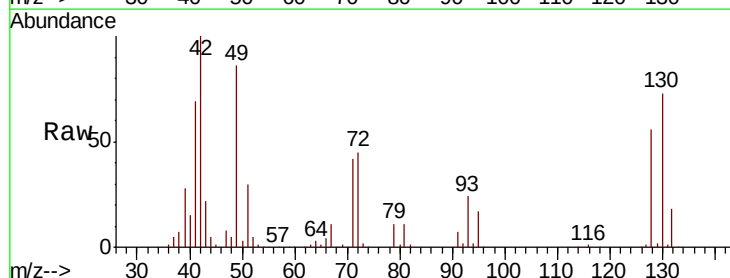
Tgt Ion: 49 Resp: 459747

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 84.6 63.3 94.9

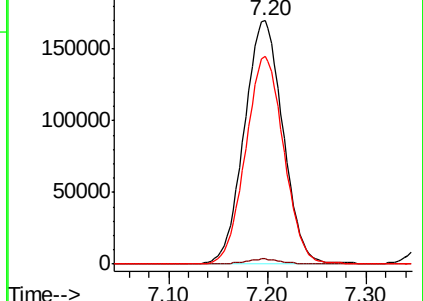
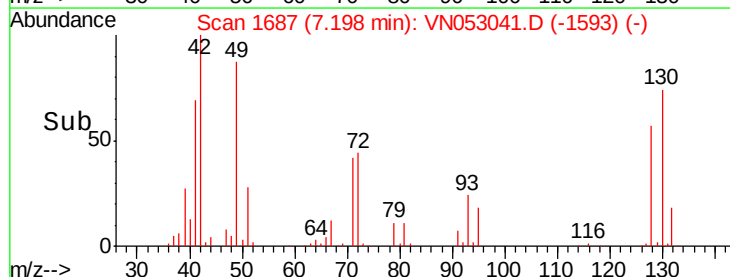


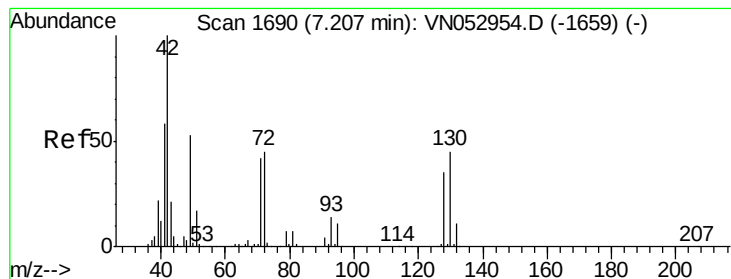
Abundance Ion 48.90 (48.60 to 49.60): VN052954.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052954.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-1663) (-)

Time-->





#29

Tetrahydrofuran

Concen: 249.350 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

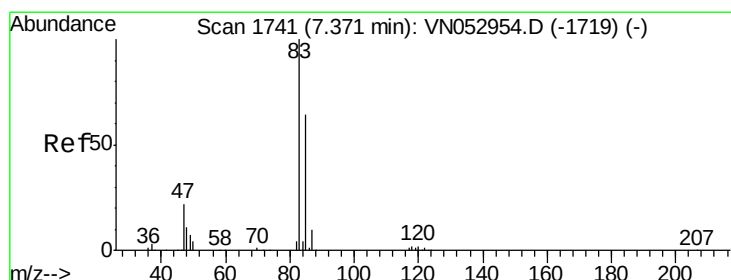
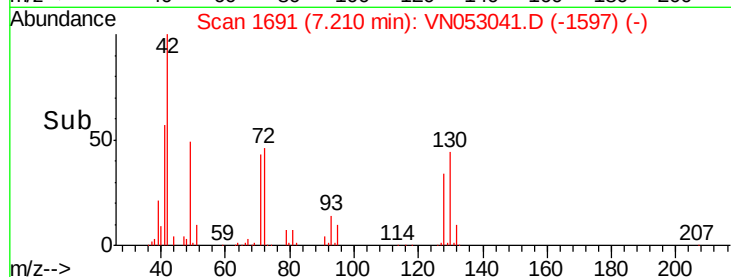
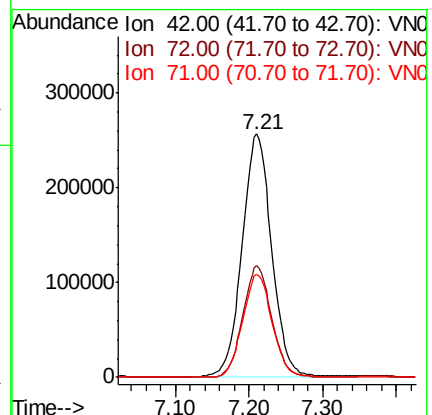
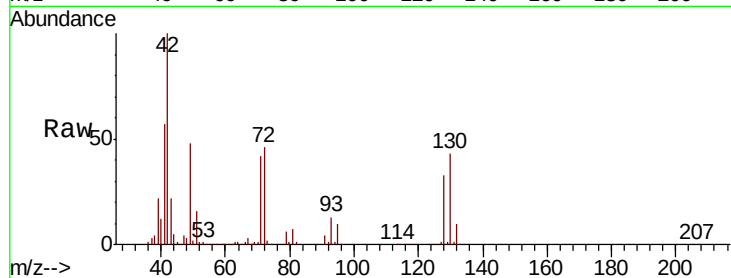
Tot Ion: 42 Resp: 717205

Ion Ratio Lower Upper

42 100

72 44.8 34.7 52.1

71 42.4 32.3 48.5



#30

Chloroform

Concen: 49.376 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053041.D

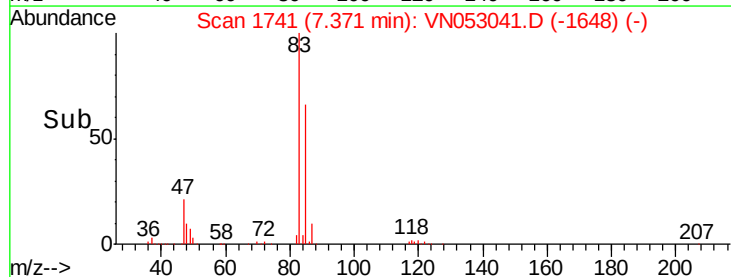
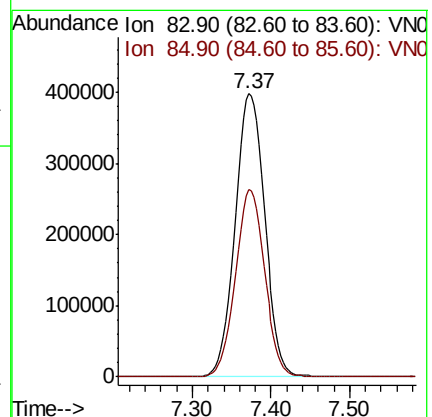
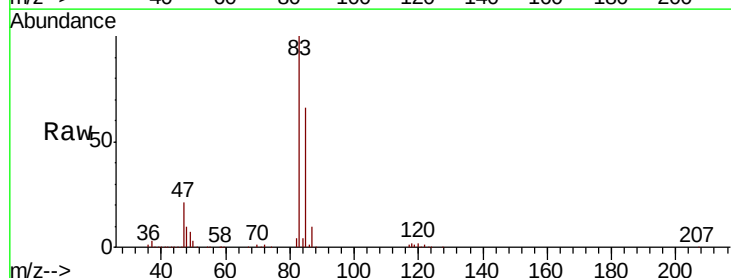
Acq: 20 Dec 2018 5:30

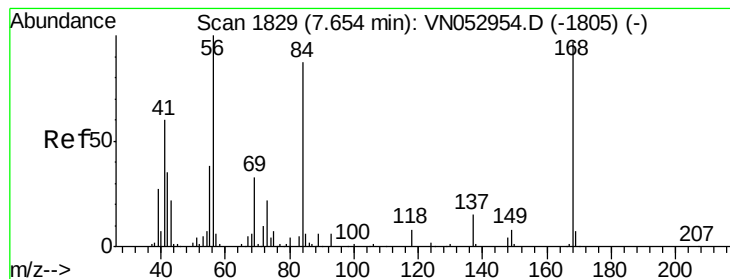
Tgt Ion: 83 Resp: 1047545

Ion Ratio Lower Upper

83 100

85 66.0 52.1 78.1





#31

Cyclohexane

Concen: 48.210 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

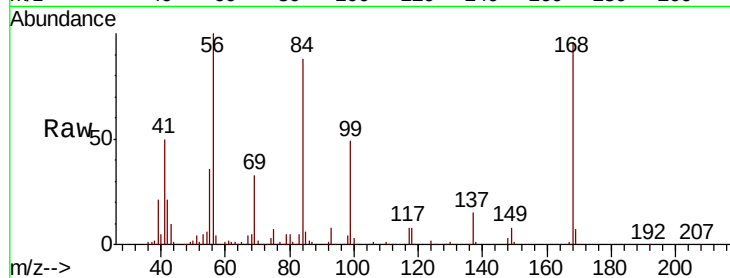
Tot Ion: 56 Resp: 977267

Ion Ratio Lower Upper

56 100

69 32.6 26.6 39.8

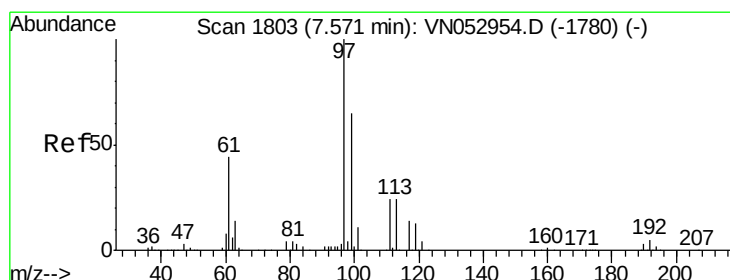
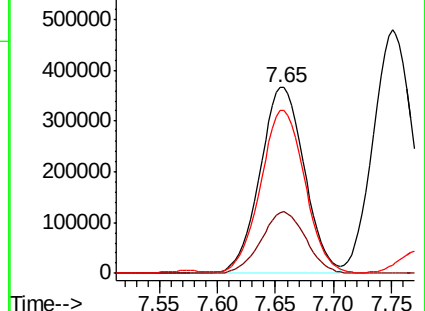
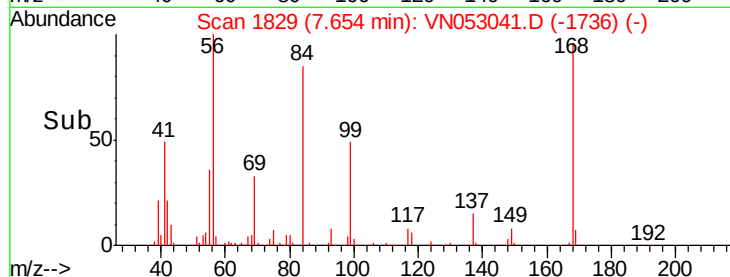
84 86.2 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053041.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053041.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053041.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 48.481 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

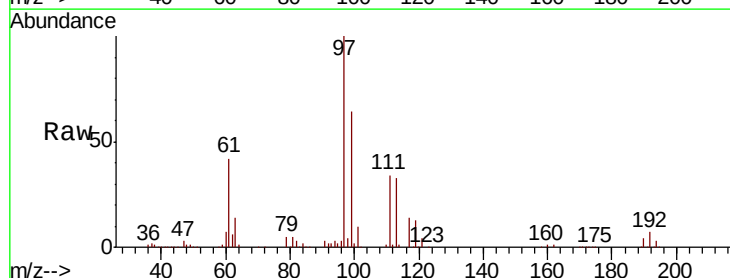
Tgt Ion: 97 Resp: 876200

Ion Ratio Lower Upper

97 100

99 64.6 51.1 76.7

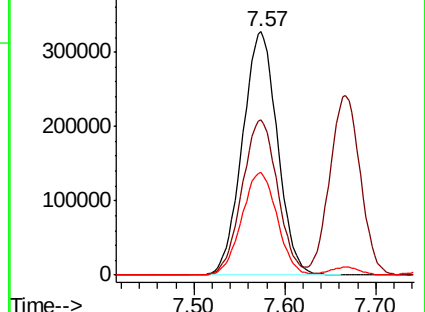
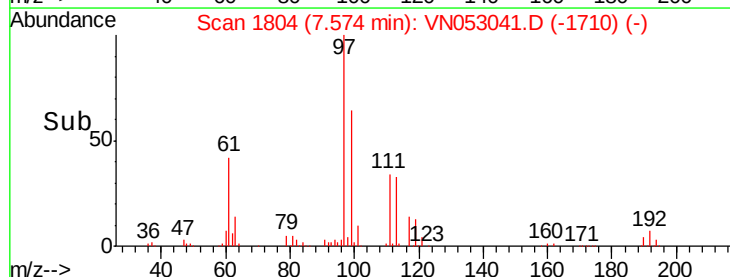
61 42.5 35.0 52.6

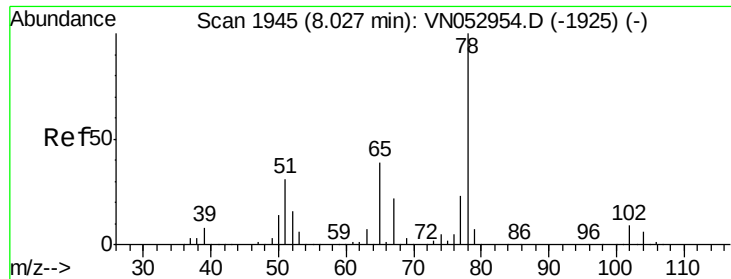


Abundance Ion 96.90 (96.60 to 97.60): VN053041.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053041.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053041.D (-1710) (-)

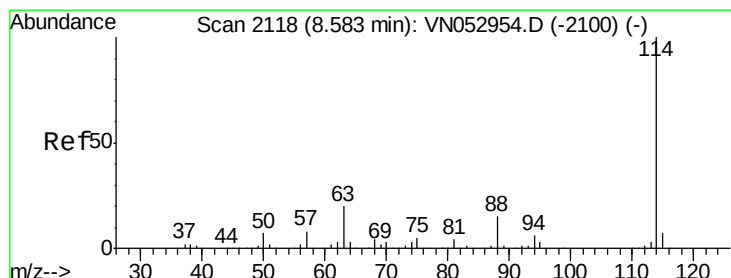
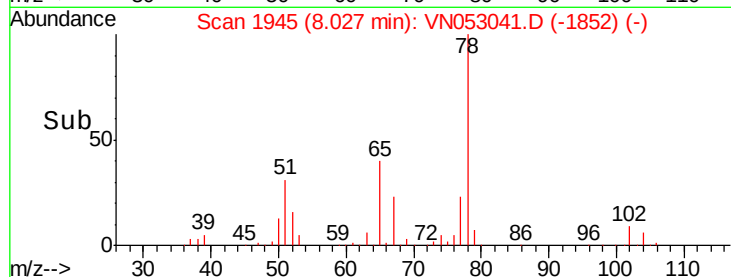
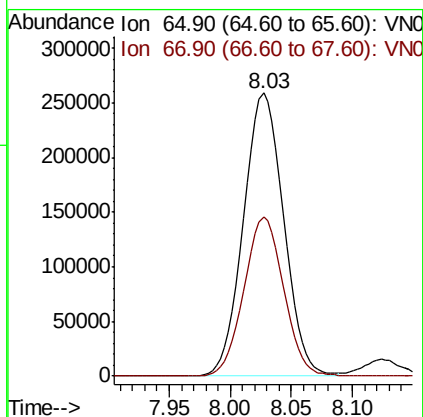
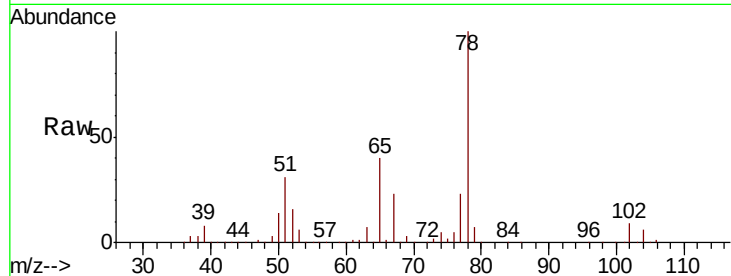




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.481 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

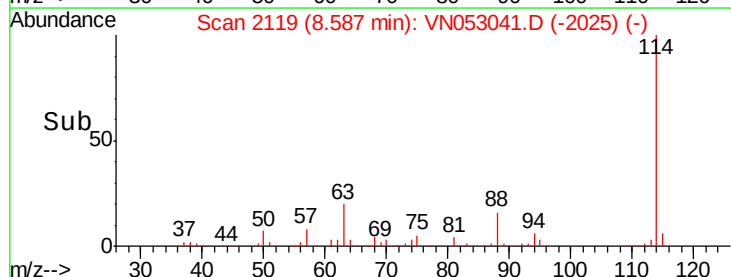
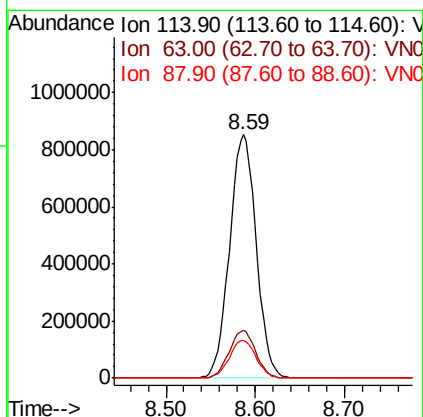
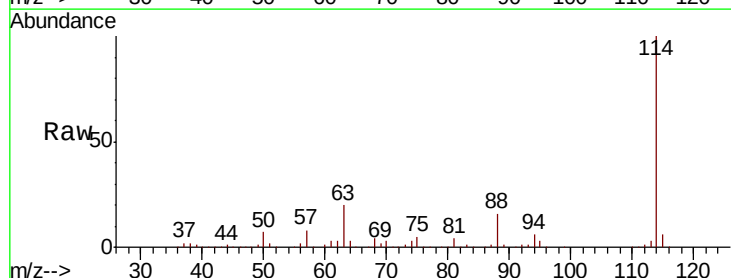
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

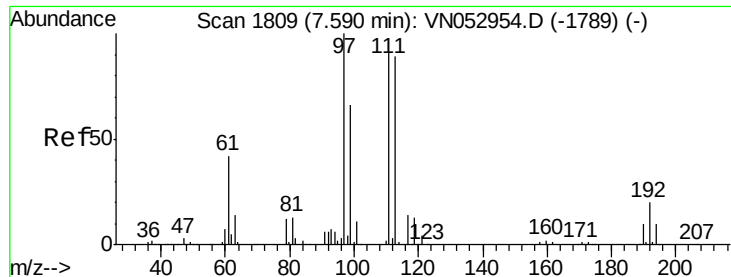
Tot Ion: 65 Resp: 591884  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion: 114 Resp: 1763474  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 39.8  
 88 15.7 0.0 31.0

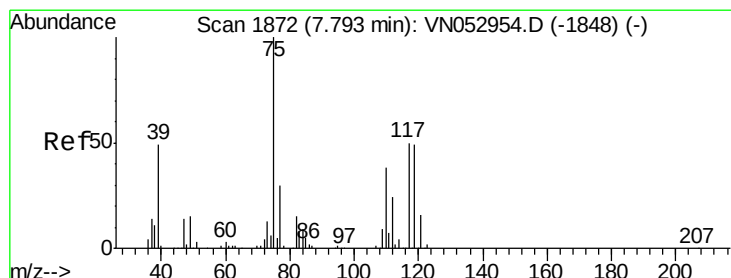
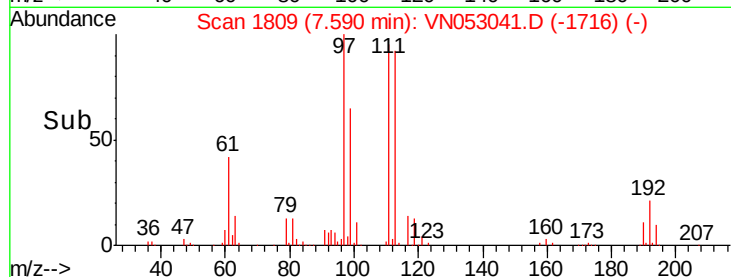
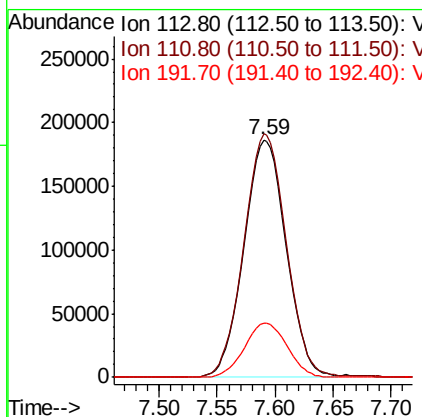
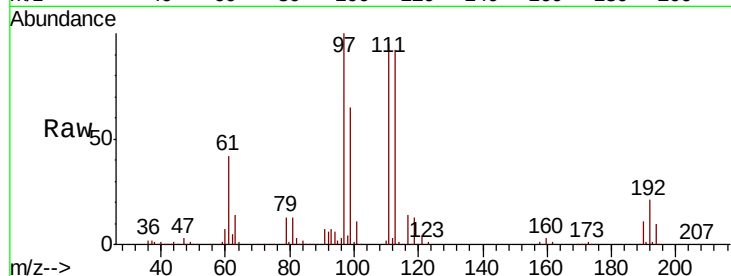




#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

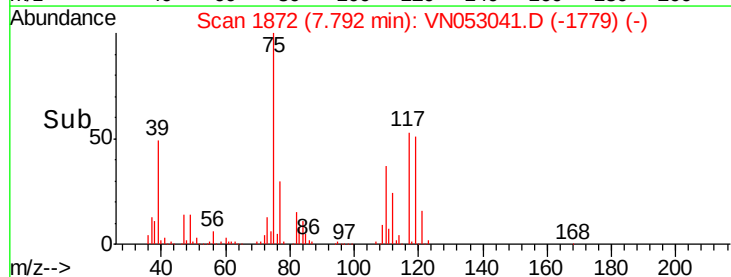
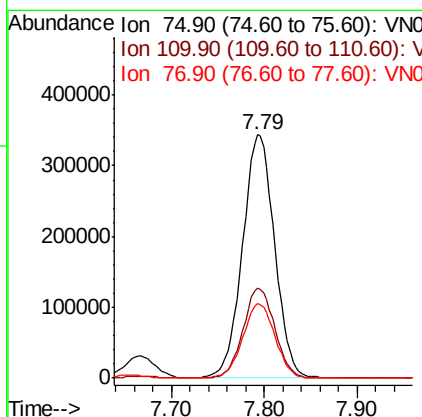
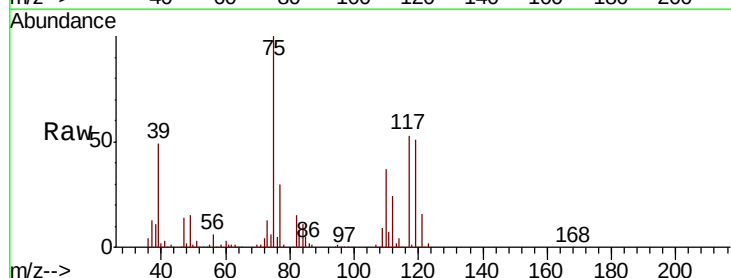
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

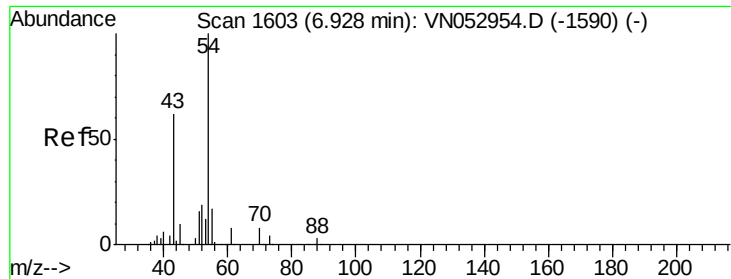
Tot Ion:113 Resp: 472800  
Ion Ratio Lower Upper  
113 100  
111 102.7 83.0 124.4  
192 23.2 17.5 26.3



#36  
1,1-Dichloropropene  
Concen: 48.523 ug/l  
RT: 7.79 min Scan# 1872  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion: 75 Resp: 821308  
Ion Ratio Lower Upper  
75 100  
110 36.8 18.2 54.6  
77 30.9 24.9 37.3

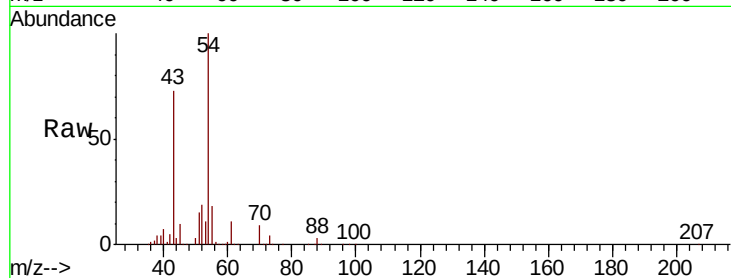




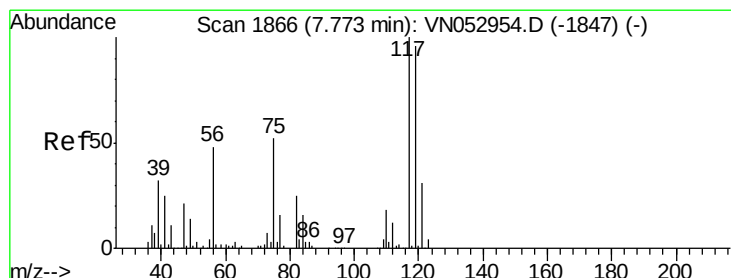
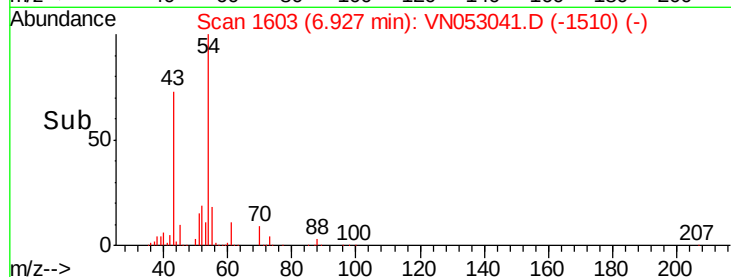
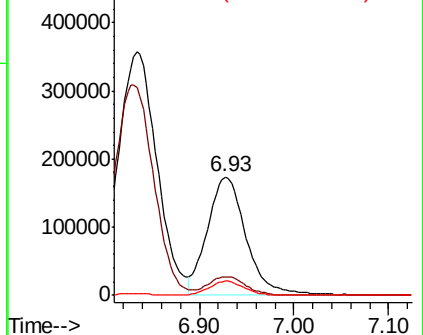
#37  
Ethyl Acetate  
Concen: 51.456 ug/l  
RT: 6.93 min Scan# 1603  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 486207  
Ion Ratio Lower Upper  
43 100  
61 15.4 11.8 17.6  
70 11.1 8.4 12.6

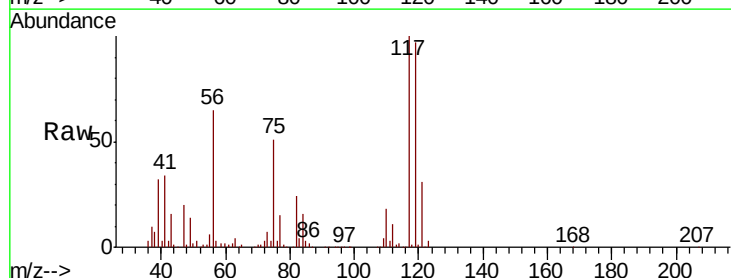


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

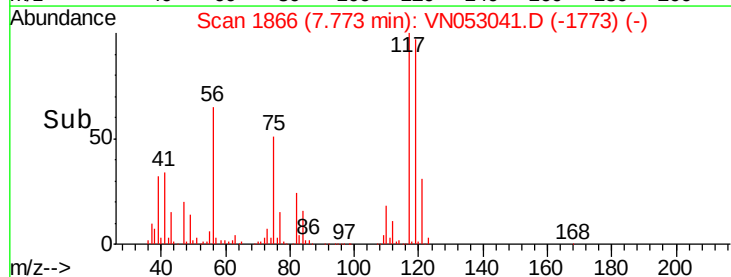
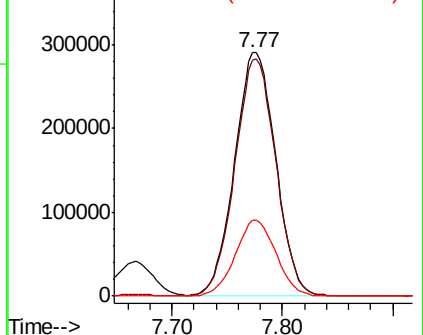


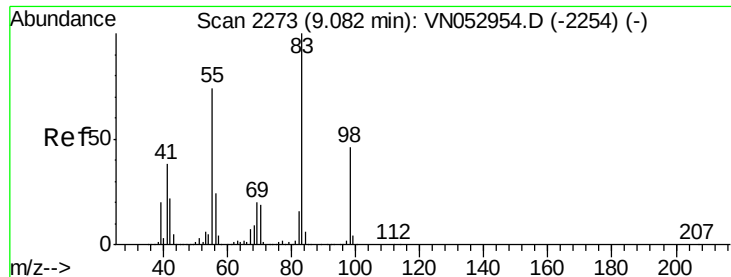
#38  
Carbon Tetrachloride  
Concen: 48.125 ug/l  
RT: 7.77 min Scan# 1866  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion: 117 Resp: 746637  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.1 115.7  
121 31.1 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

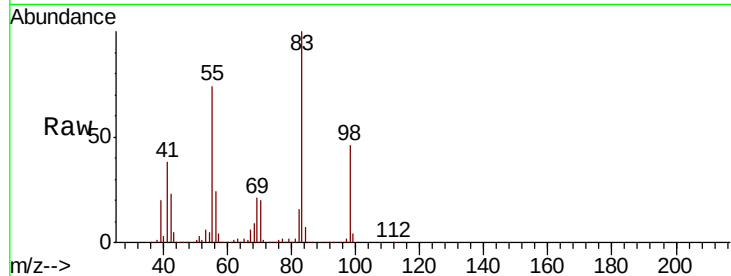




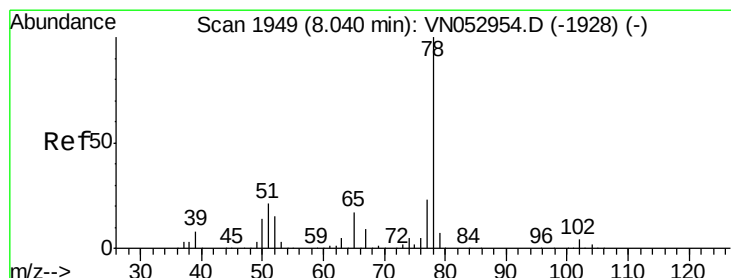
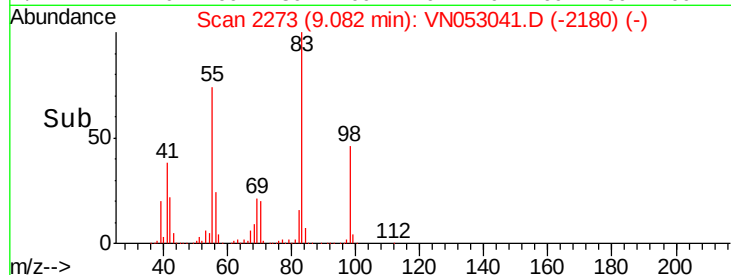
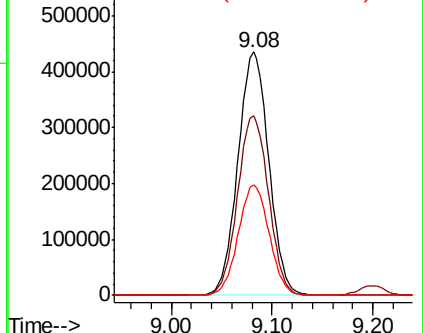
#39  
Methylvlcyclohexane  
Concen: 44.842 ug/l  
RT: 9.08 min Scan# 2273  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 83 Resp: 922041  
Ion Ratio Lower Upper  
83 100  
55 73.9 61.3 91.9  
98 45.5 37.0 55.4

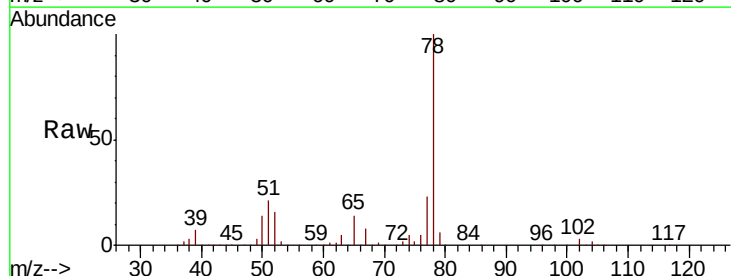


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

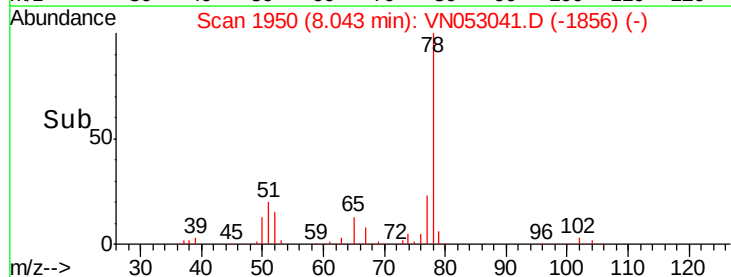
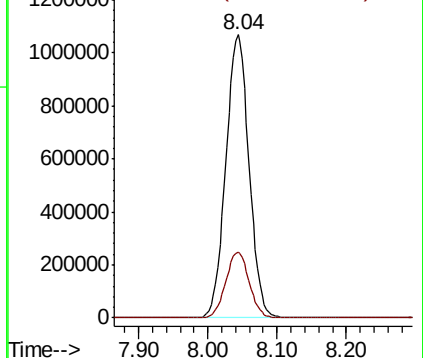


#40  
Benzene  
Concen: 49.604 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

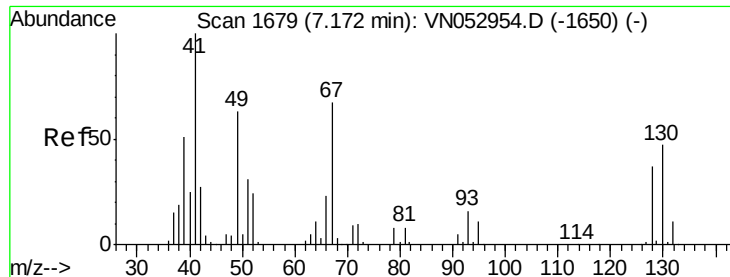
Tgt Ion: 78 Resp: 2497395  
Ion Ratio Lower Upper  
78 100  
77 23.3 18.5 27.7



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



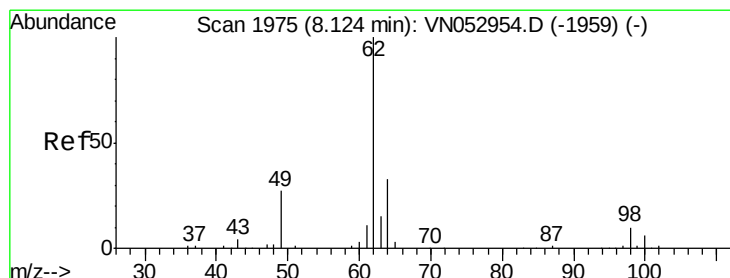
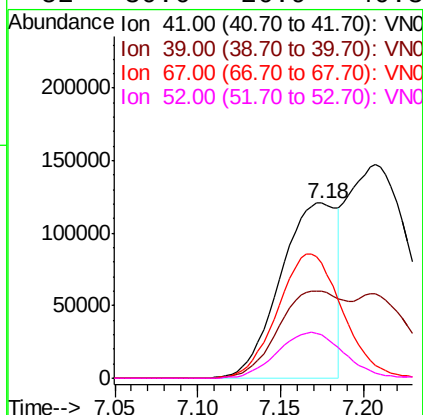
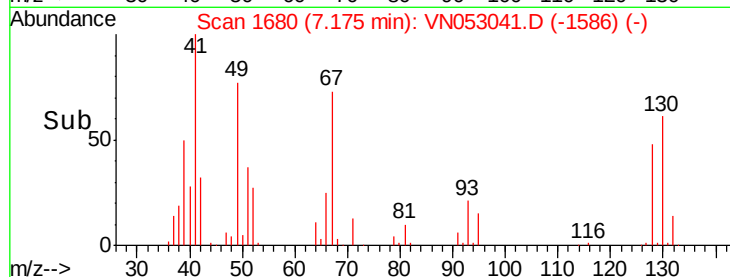
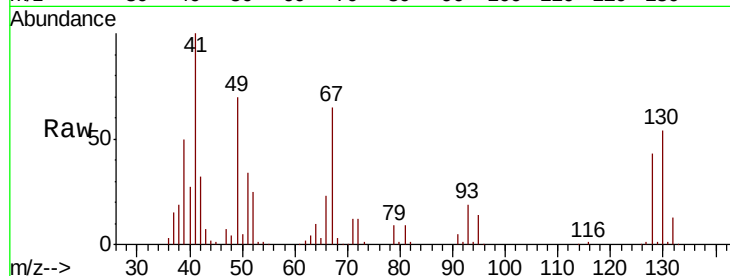




#41  
Methacrylonitrile  
Concen: 52.628 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

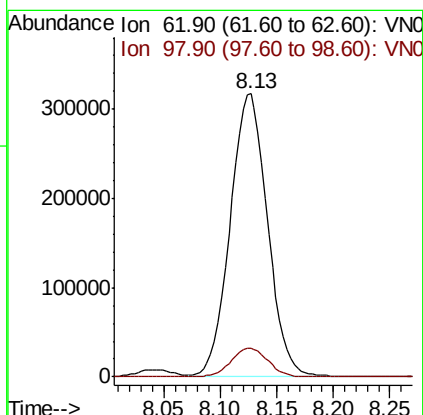
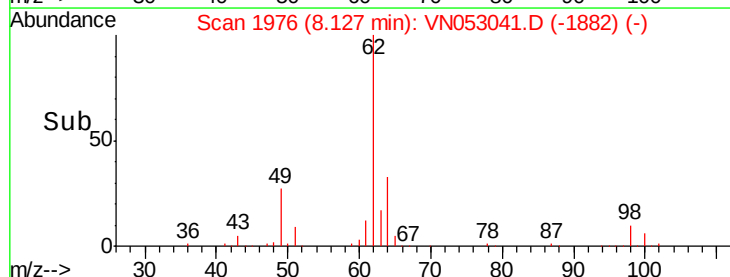
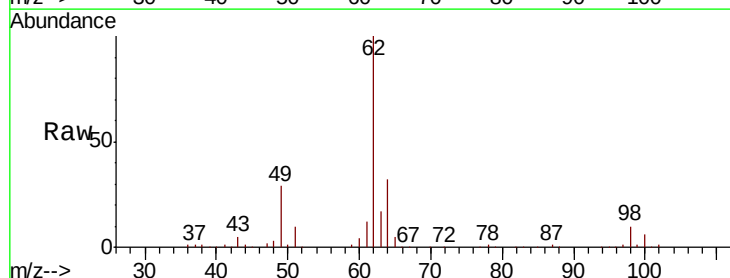
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

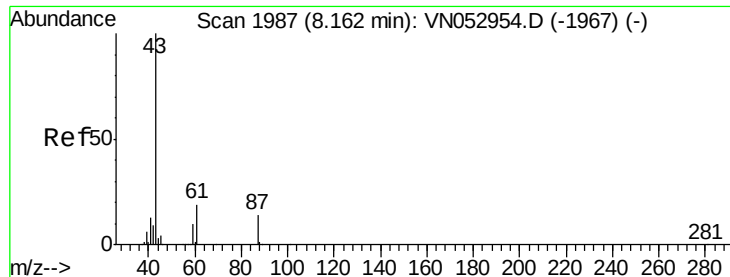
Tot Ion: 41 Resp: 287326  
Ion Ratio Lower Upper  
41 100  
39 57.6 48.0 72.0  
67 81.6 70.3 105.5  
52 30.6 26.9 40.3



#42  
1,2-Dichloroethane  
Concen: 48.631 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion: 62 Resp: 723309  
Ion Ratio Lower Upper  
62 100  
98 10.3 0.0 19.0





#43

Isopropyl Acetate

Concen: 50.399 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

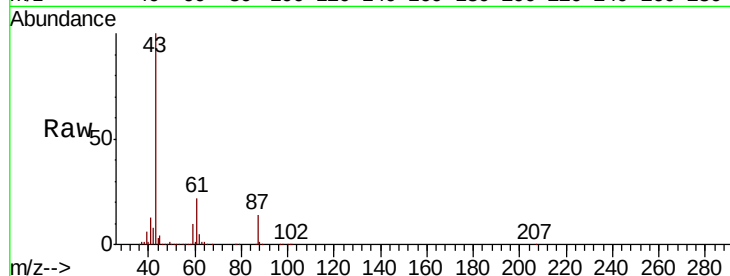
Tot Ion: 43 Resp: 921420

Ion Ratio Lower Upper

43 100

61 29.9 22.9 34.3

87 13.8 10.6 15.8

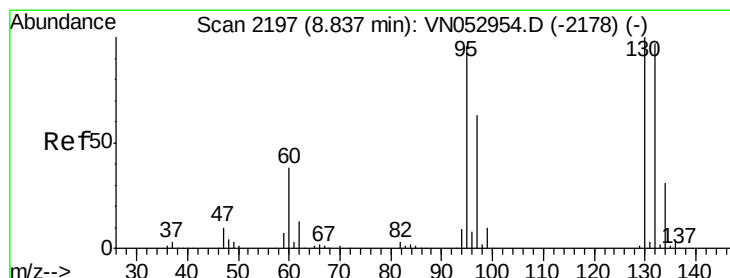
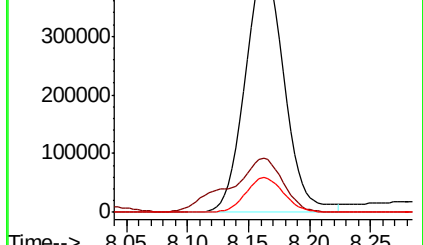
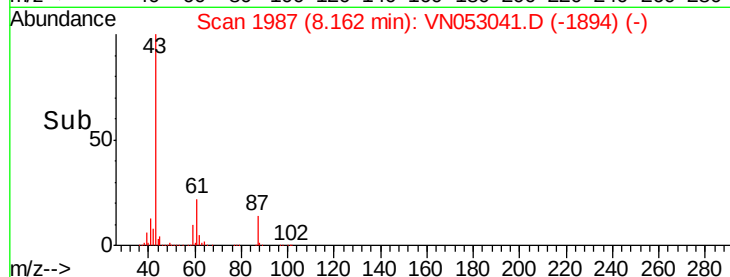


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 47.803 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053041.D

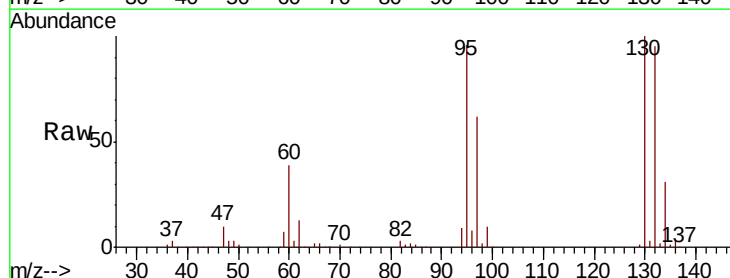
Acq: 20 Dec 2018 5:30

Tgt Ion:130 Resp: 696126

Ion Ratio Lower Upper

130 100

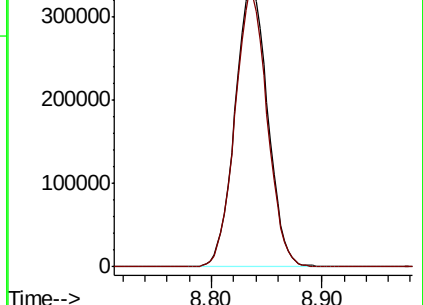
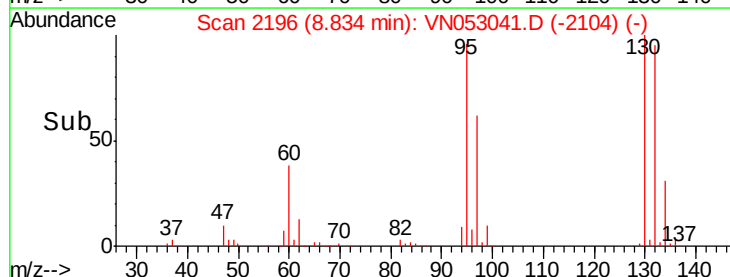
95 96.1 0.0 197.8

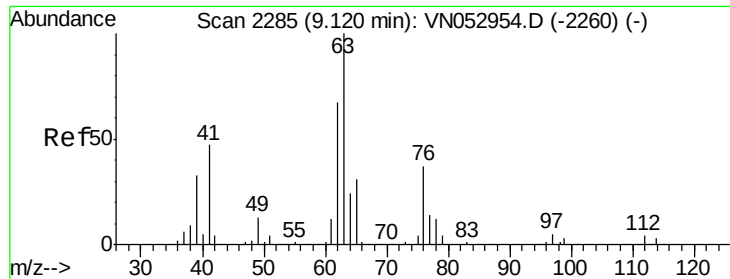


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

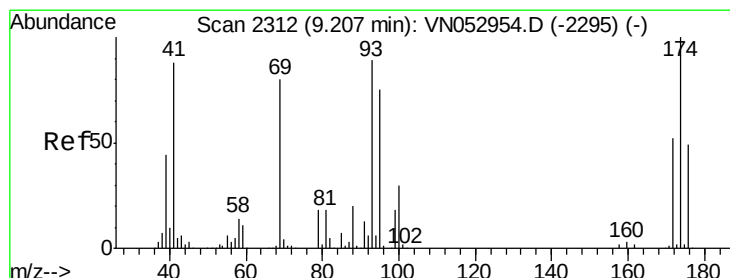
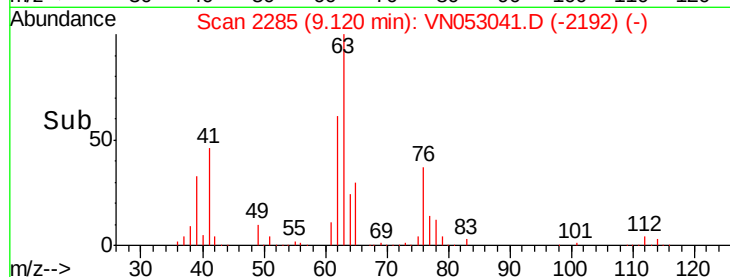
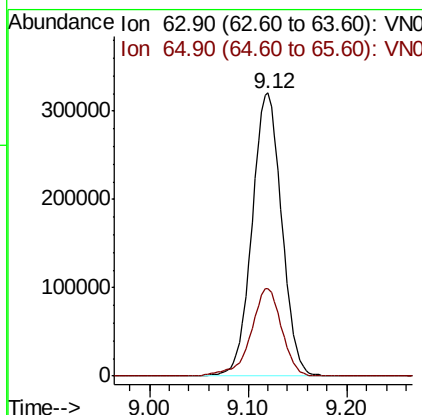
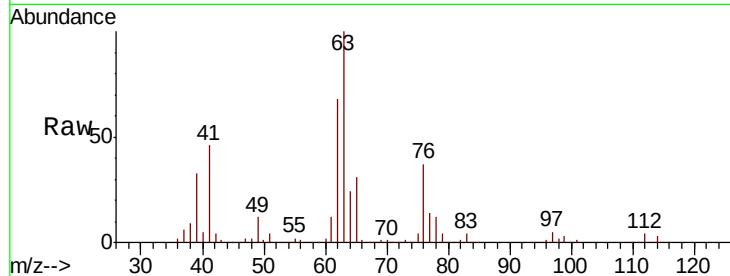




#45  
 1,2-Dichloropropane  
 Concen: 50.534 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

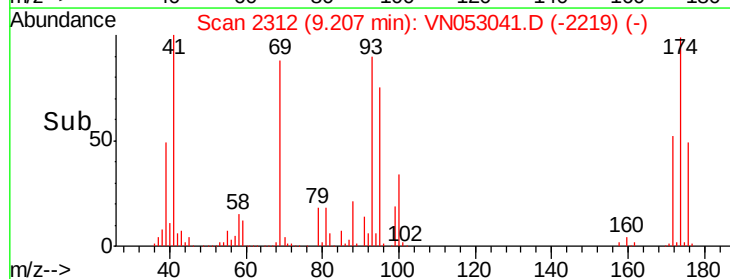
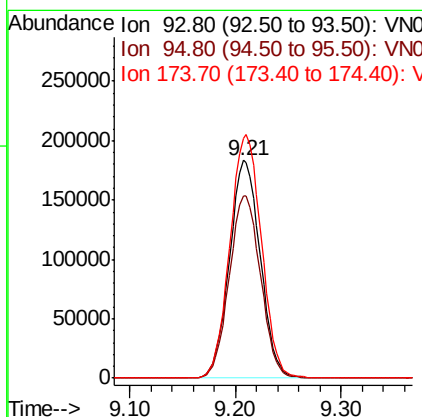
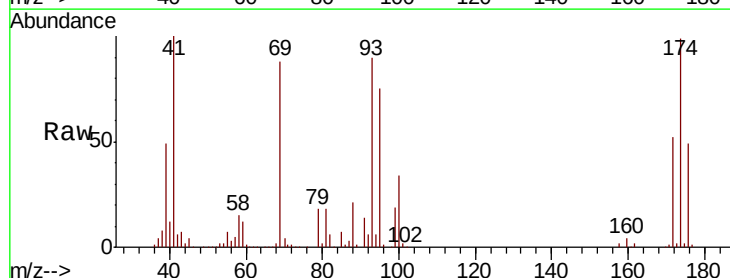
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

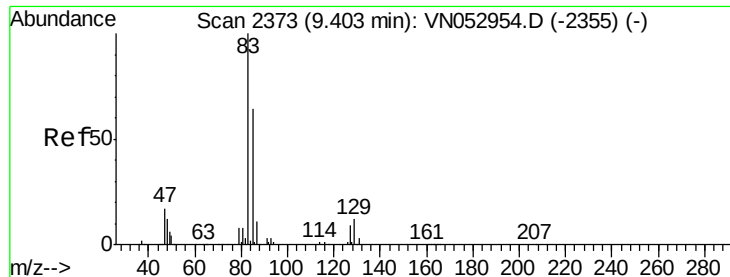
Tot Ion: 63 Resp: 662695  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 24.6 37.0



#46  
 Dibromomethane  
 Concen: 48.667 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion: 93 Resp: 371791  
 Ion Ratio Lower Upper  
 93 100  
 95 85.0 67.8 101.6  
 174 114.1 89.0 133.4





#47

Bromodichloromethane

Concen: 48.731 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

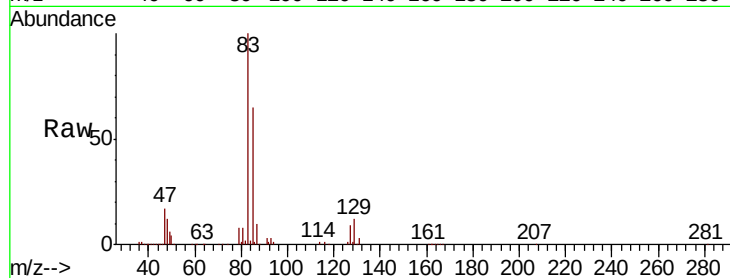
Tot Ion: 83 Resp: 791340

Ion Ratio Lower Upper

83 100

85 64.8 51.6 77.4

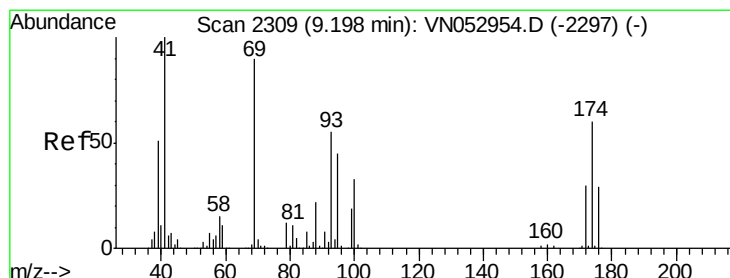
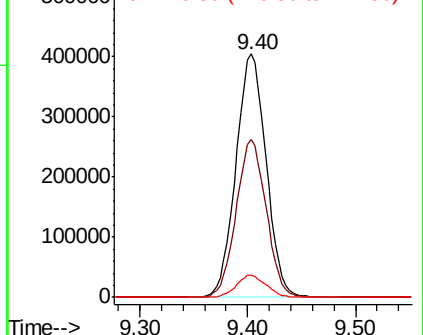
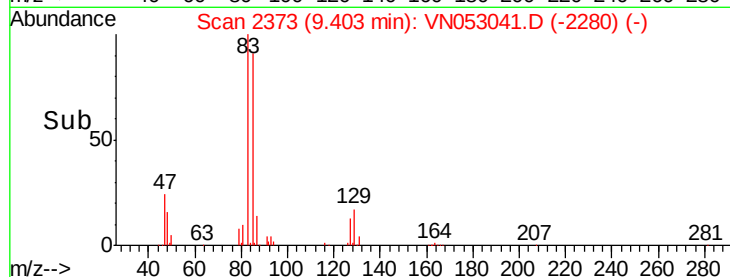
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053041.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053041.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053041.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.325 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

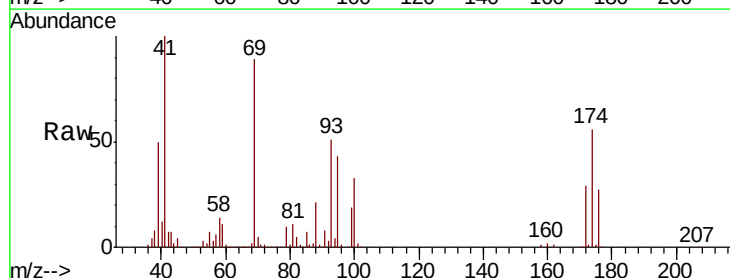
Tgt Ion: 41 Resp: 461437

Ion Ratio Lower Upper

41 100

69 91.8 72.2 108.2

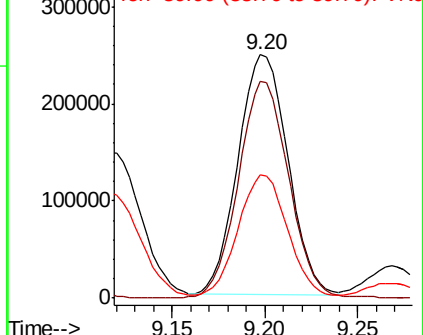
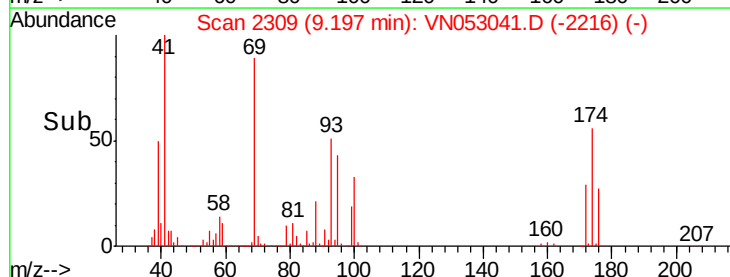
39 51.5 41.9 62.9

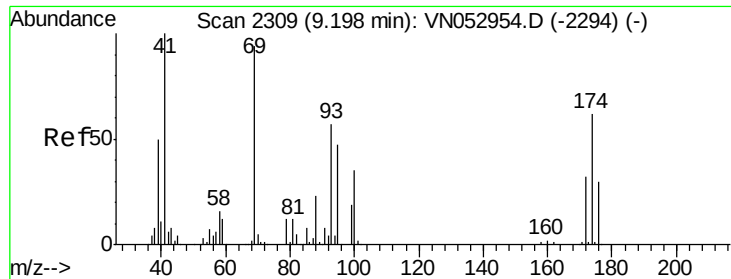


Abundance Ion 41.00 (40.70 to 41.70): VN053041.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053041.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053041.D (-2216) (-)

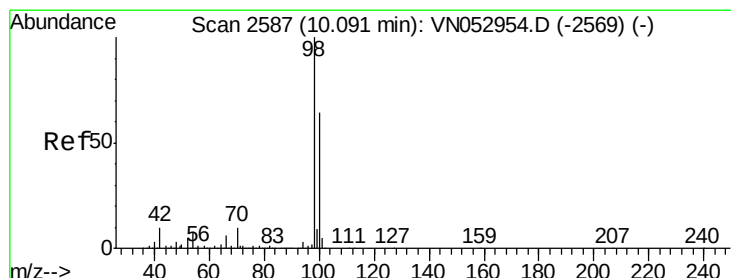
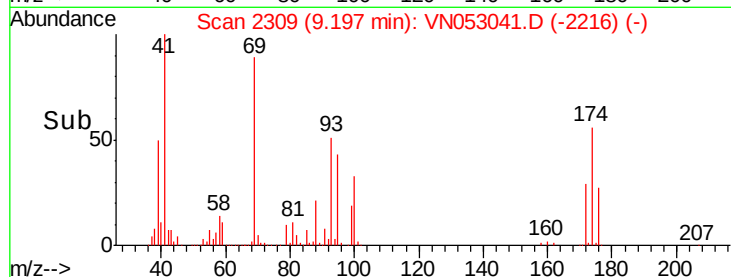
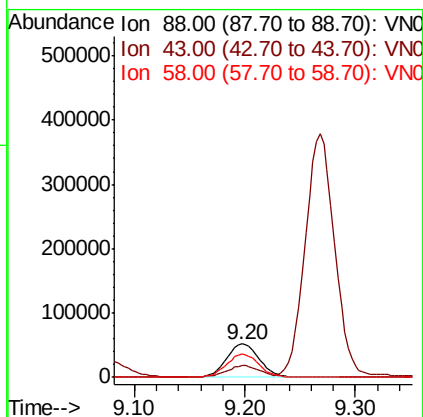
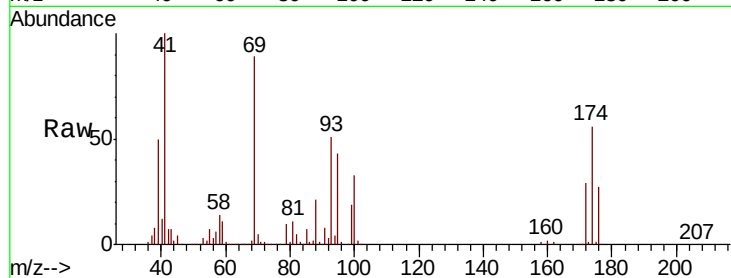




#49  
1,4-Dioxane  
Concen: 926.566 ug/l  
RT: 9.20 min Scan# 2309  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

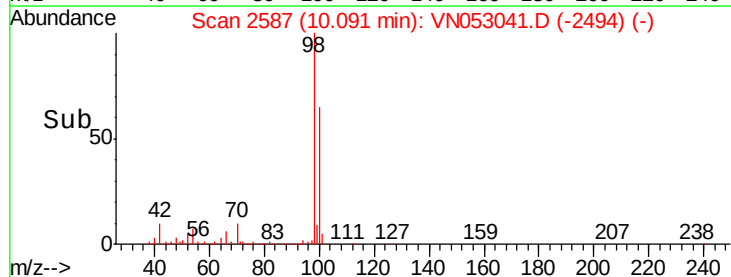
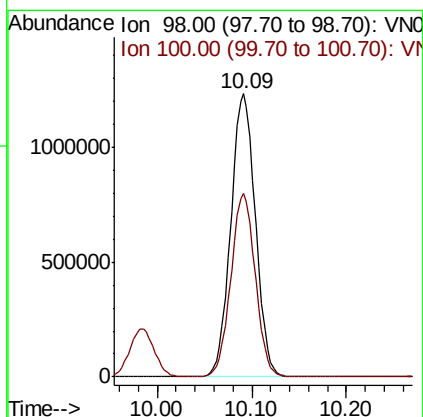
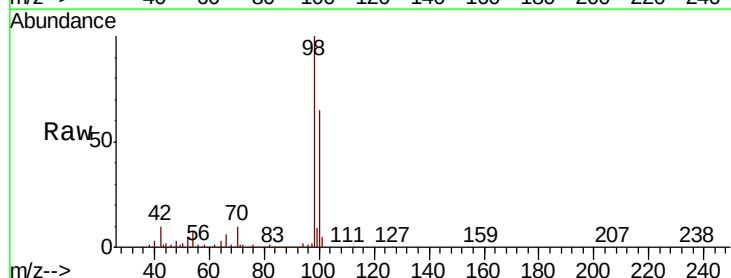
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

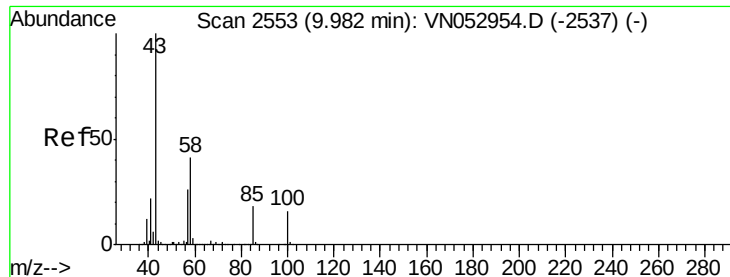
Tot Ion: 88 Resp: 107468  
Ion Ratio Lower Upper  
88 100  
43 31.9 26.6 40.0  
58 69.3 58.4 87.6



#50  
Toluene-d8  
Concen: 926.566 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion: 98 Resp: 2224466  
Ion Ratio Lower Upper  
98 100  
100 64.0 51.6 77.4

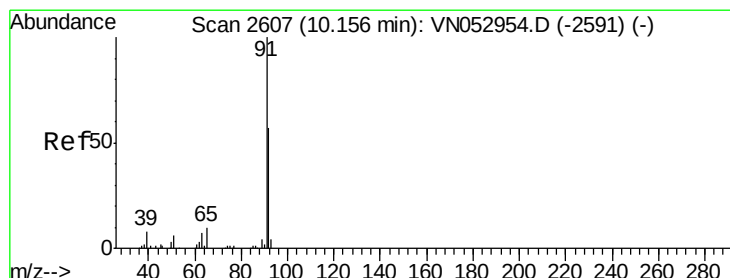
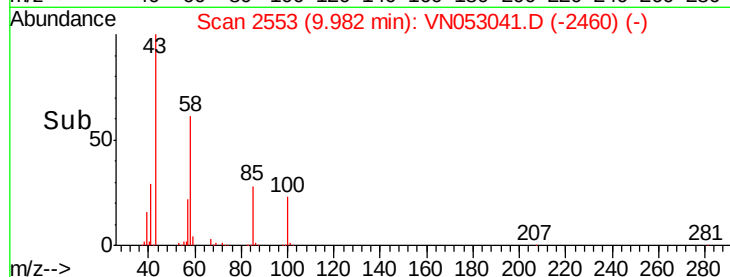
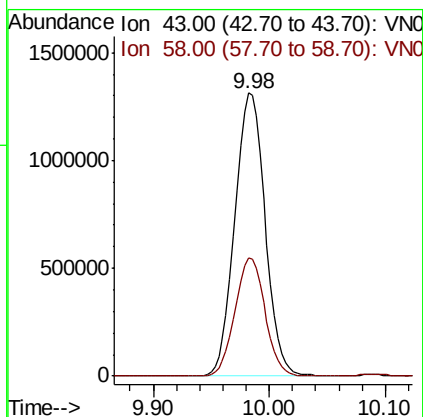
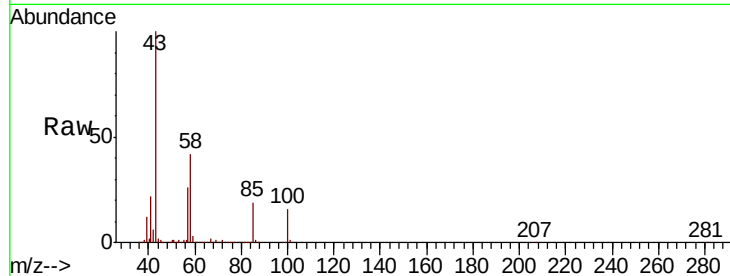




#51  
 4-Methyl-2-Pentanone  
 Concen: 259.630 ug/l  
 RT: 9.98 min Scan# 2553  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

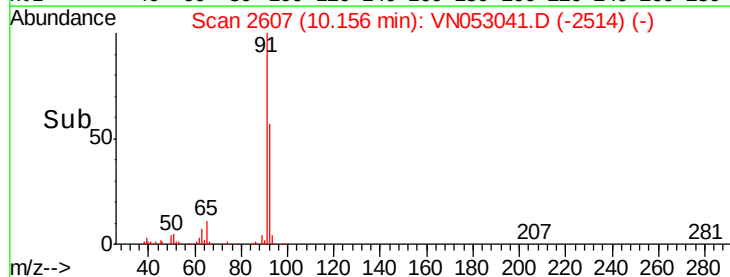
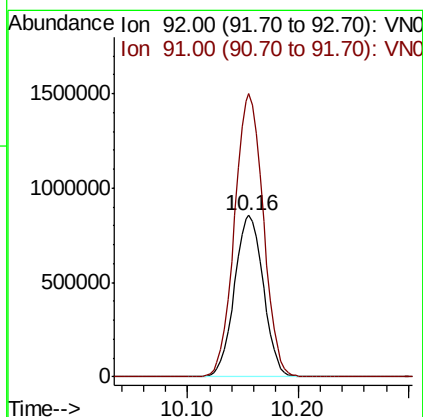
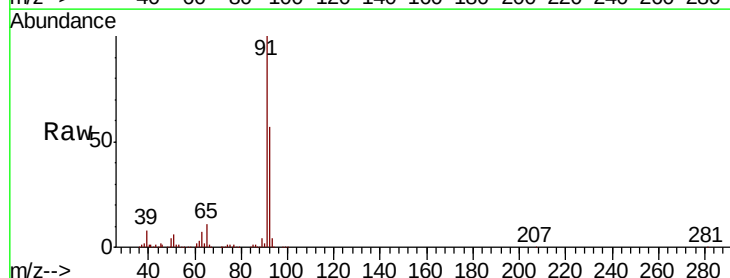
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

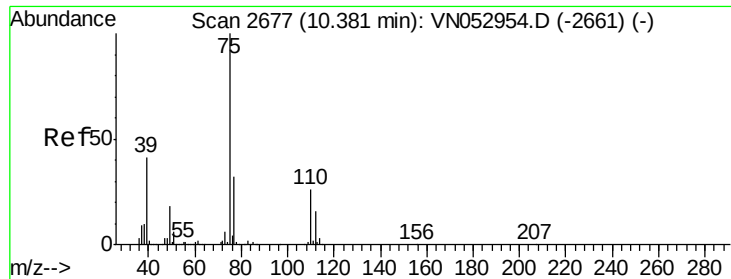
Tot Ion: 43 Resp: 2375794  
 Ion Ratio Lower Upper  
 43 100  
 58 41.4 32.2 48.4



#52  
 Toluene  
 Concen: 49.658 ug/l  
 RT: 10.16 min Scan# 2607  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion: 92 Resp: 1549645  
 Ion Ratio Lower Upper  
 92 100  
 91 174.6 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 47.044 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

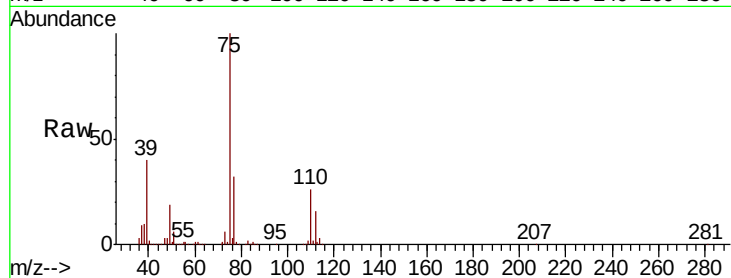
VSTDCCC050EC

Tot Ion: 75 Resp: 803313

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

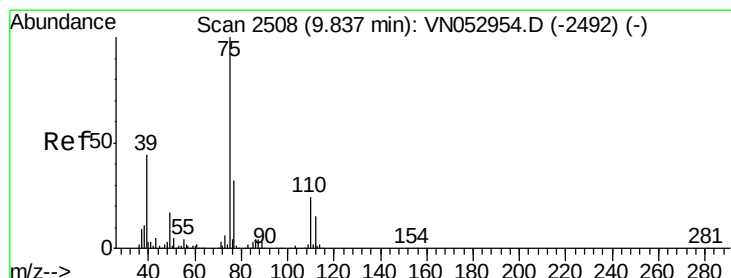
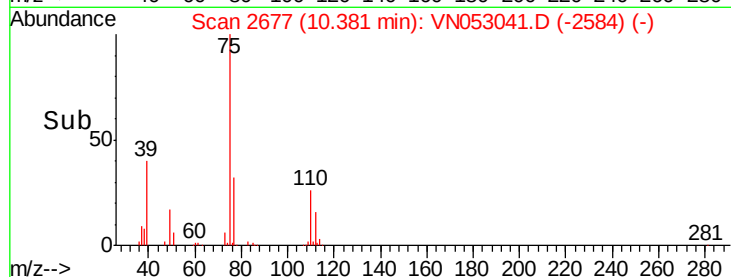
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.781 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

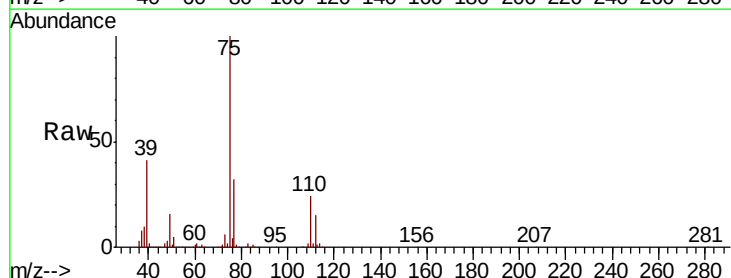
Tgt Ion: 75 Resp: 936517

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 41.0 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

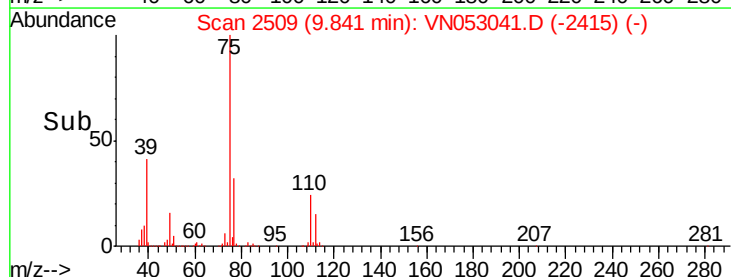
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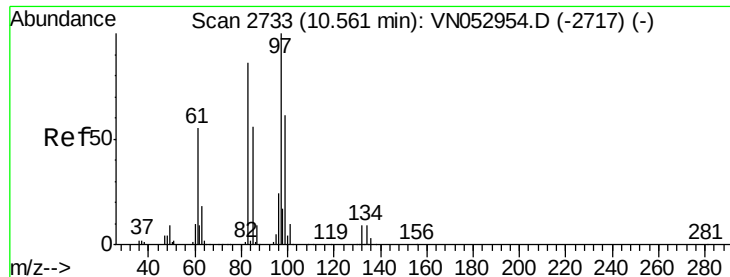
400000

200000

0

Time-->

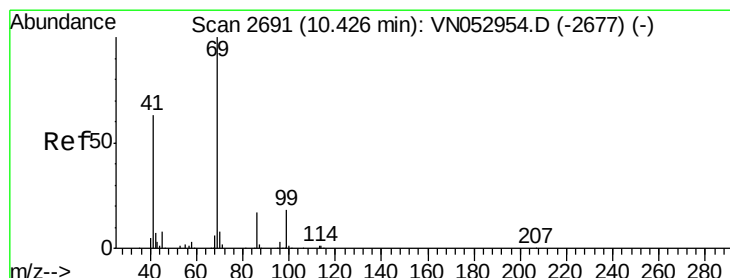
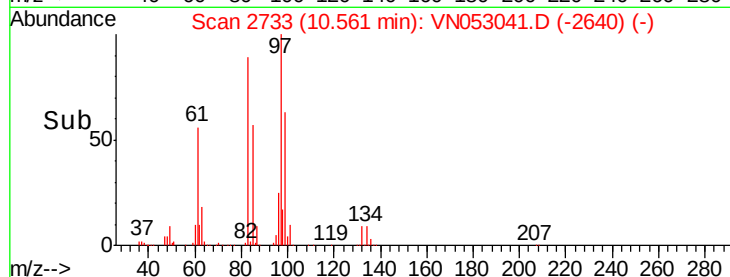
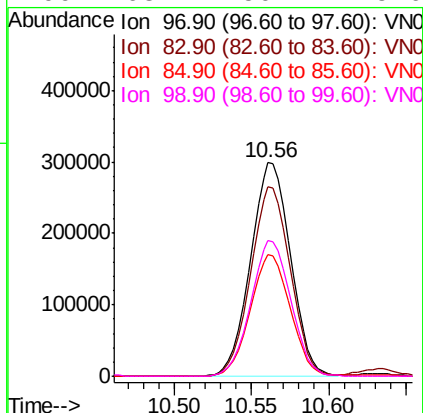
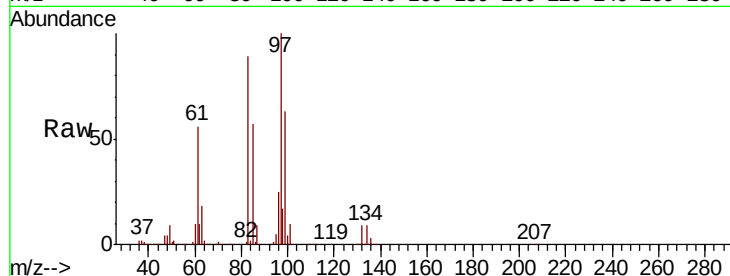




#55  
 1,1,2-Trichloroethane  
 Concen: 49.559 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

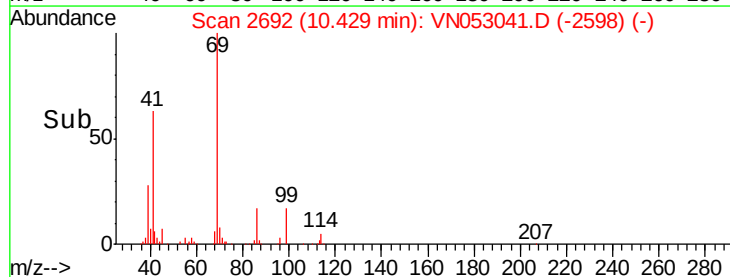
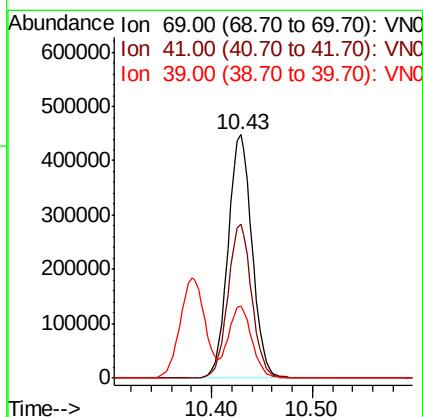
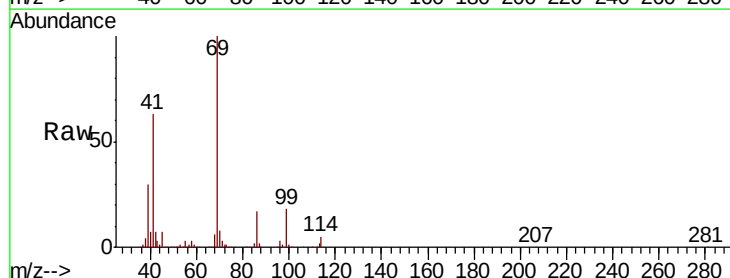
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 539547 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 88.6  | 70.9  | 106.3  |
| 85       | 56.8  | 45.4  | 68.2   |
| 99       | 63.4  | 50.4  | 75.6   |

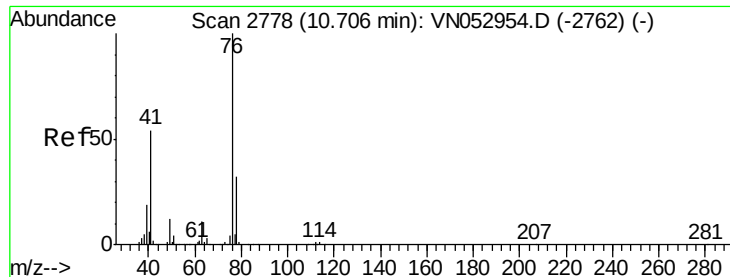


#56  
 Ethyl methacrylate  
 Concen: 51.652 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 744299 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 62.0  | 51.7  | 77.5   |
| 39       | 29.0  | 24.6  | 37.0   |







#57

1,3-Dichloropropane

Concen: 50.091 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

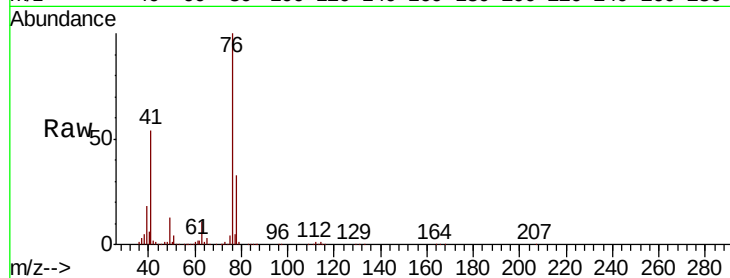
VSTDCCC050EC

Tot Ion: 76 Resp: 935155

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN052954.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052954.D (-2762) (-)

10.71

500000

400000

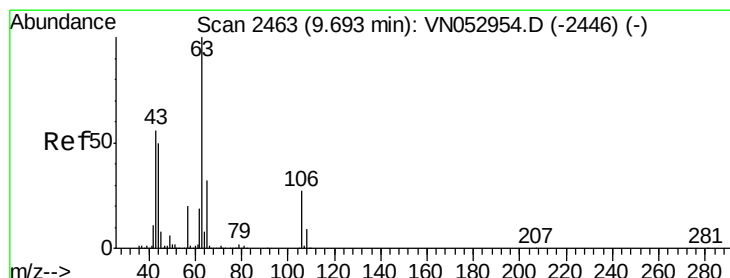
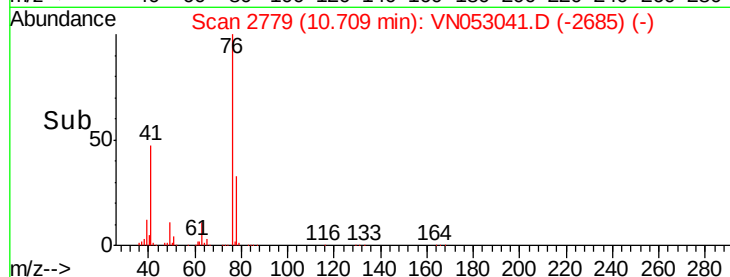
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 255.295 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053041.D

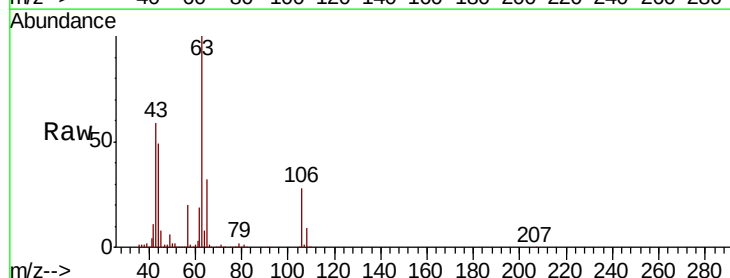
Acq: 20 Dec 2018 5:30

Tgt Ion: 63 Resp: 2019636

Ion Ratio Lower Upper

63 100

106 27.5 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052954.D (-2446) (-)

Ion 105.90 (105.60 to 106.60): VN052954.D (-2446) (-)

9.70

1200000

1000000

800000

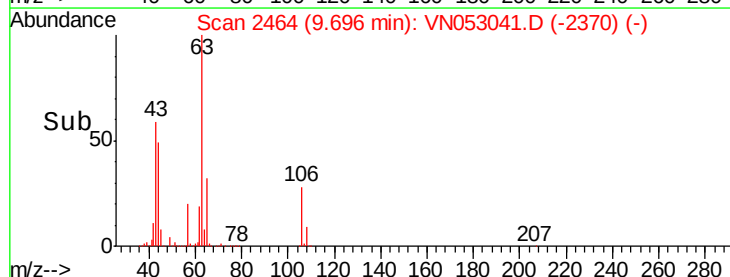
600000

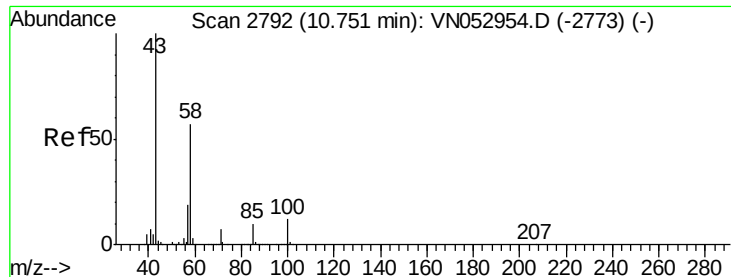
400000

200000

0

Time-->

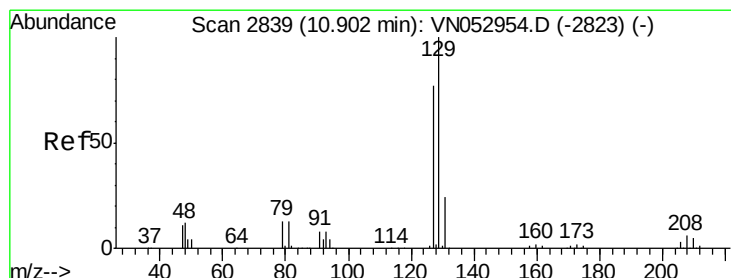
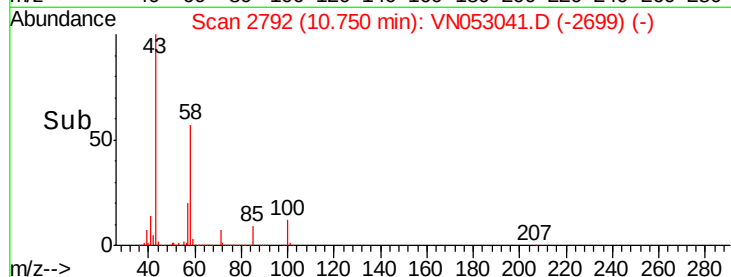
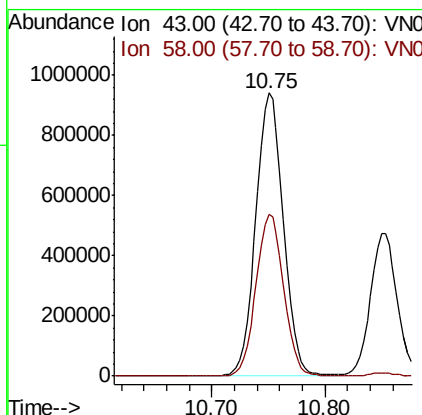
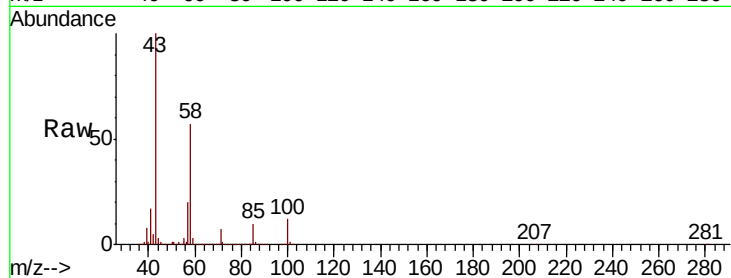




#59  
2-Hexanone  
Concen: 257.382 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

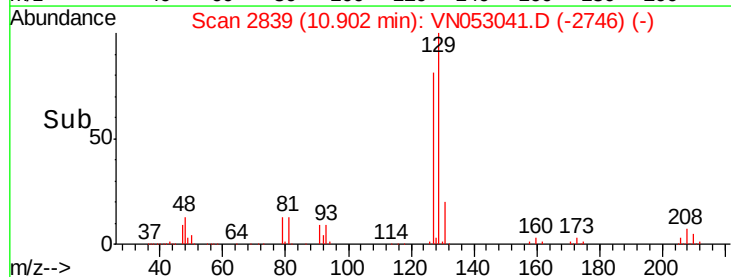
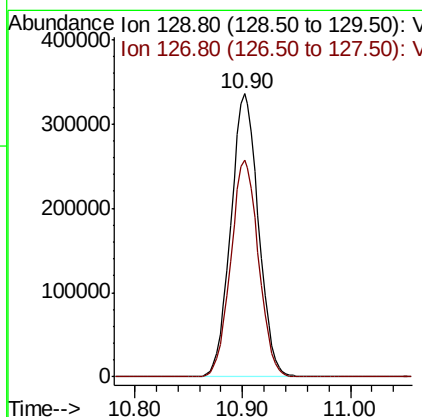
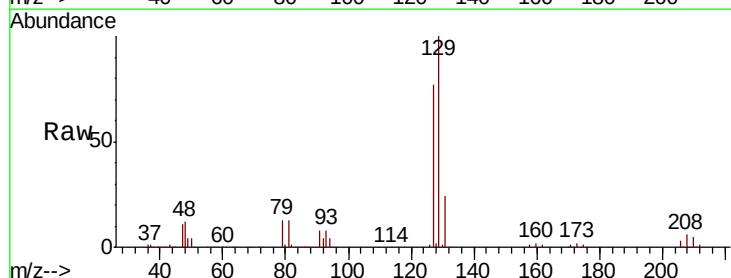
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

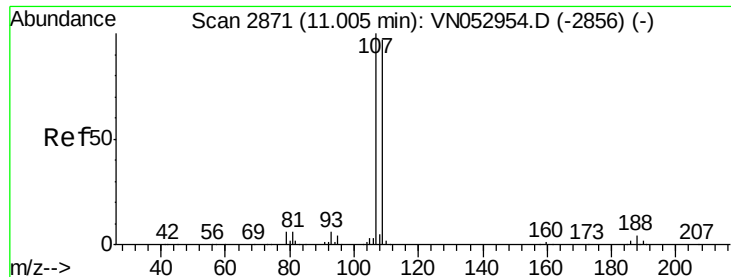
Tot Ion: 43 Resp: 1593501  
Ion Ratio Lower Upper  
43 100  
58 57.5 28.1 84.3



#60  
Dibromochloromethane  
Concen: 48.194 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion: 129 Resp: 600589  
Ion Ratio Lower Upper  
129 100  
127 76.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.567 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

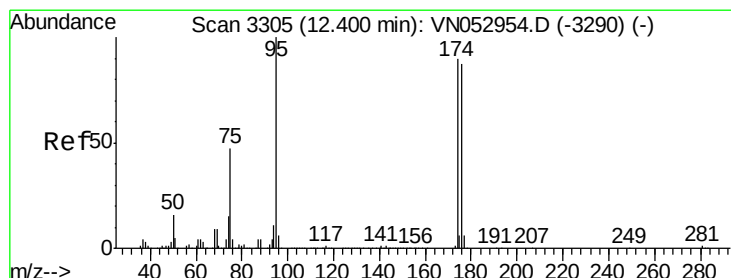
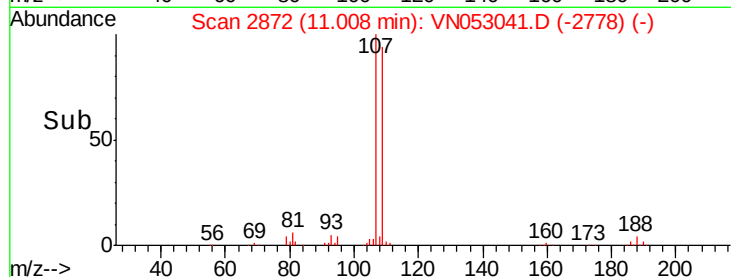
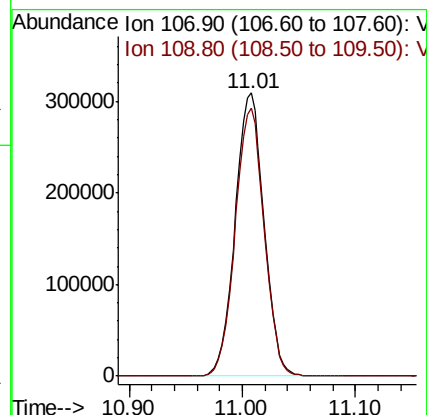
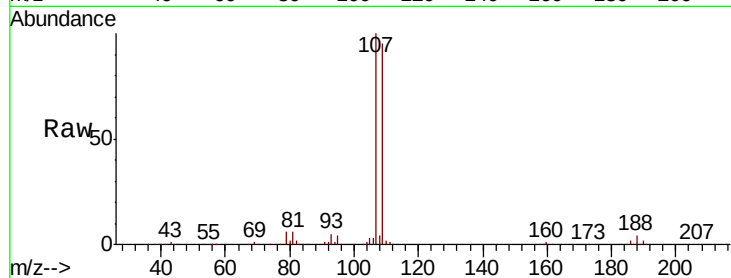
VSTDCCC050EC

Tot Ion:107 Resp: 548053

Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.0



#62

4-Bromofluorobenzene

Concen: 49.567 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

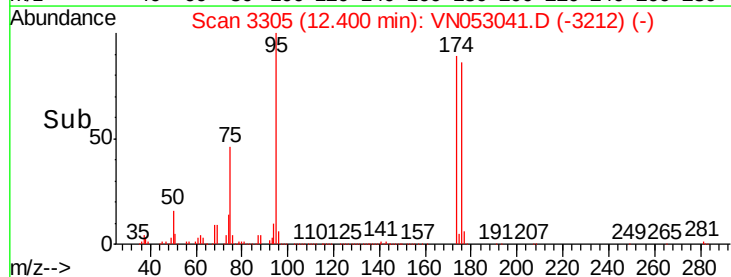
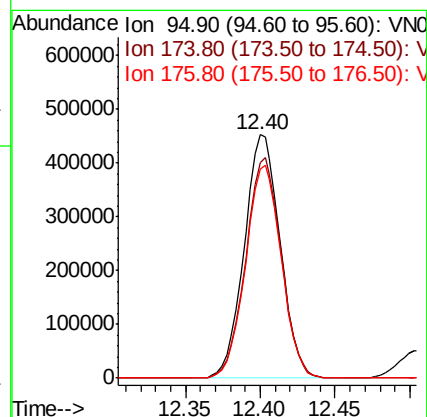
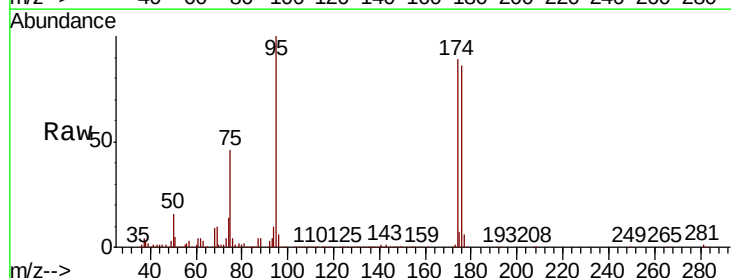
Tgt Ion: 95 Resp: 752670

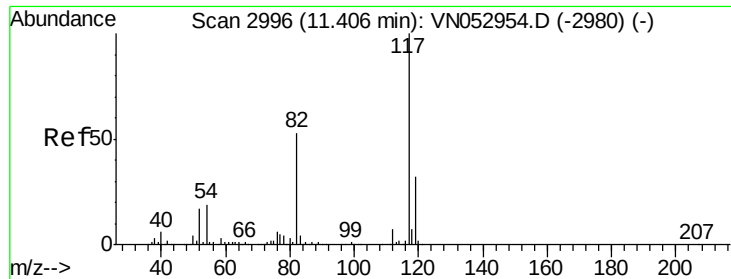
Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.8

176 87.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

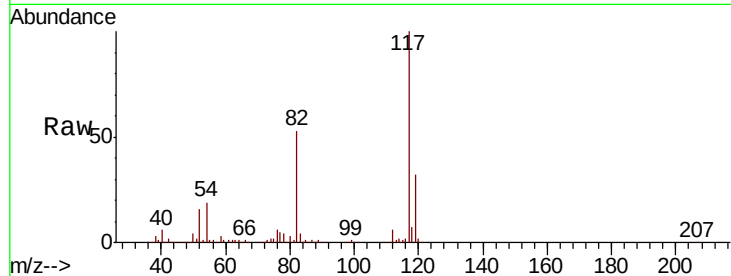
Tot Ion:117 Resp: 1579539

Ion Ratio Lower Upper

117 100

82 53.1 42.8 64.2

119 32.3 25.5 38.3



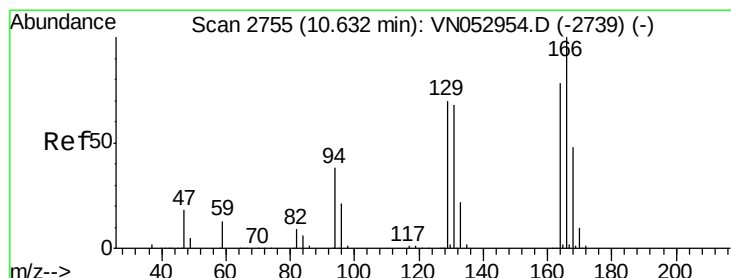
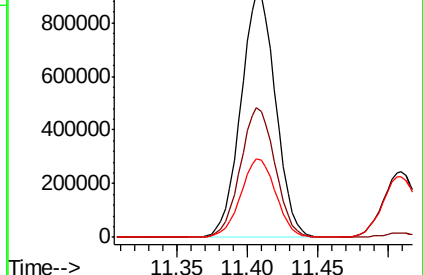
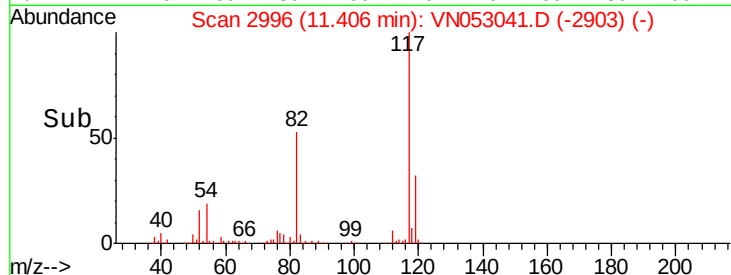
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.41

Time-->



#64

Tetrachloroethene

Concen: 46.416 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Tgt Ion:164 Resp: 794177

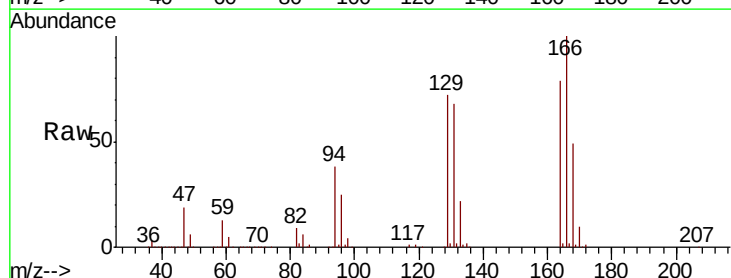
Ion Ratio Lower Upper

164 100

166 126.0 102.9 154.3

129 90.9 73.7 110.5

131 86.2 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V

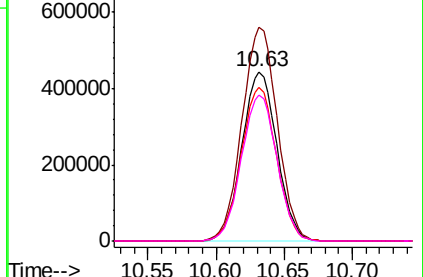
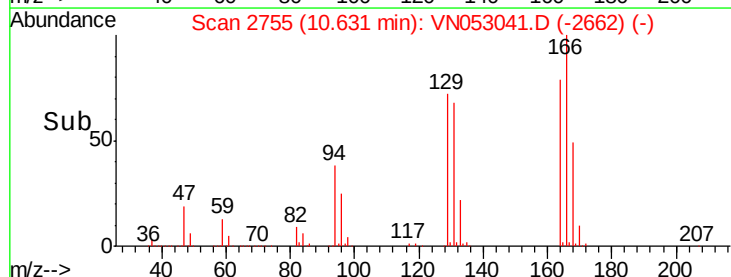
Ion 165.80 (165.50 to 166.50): V

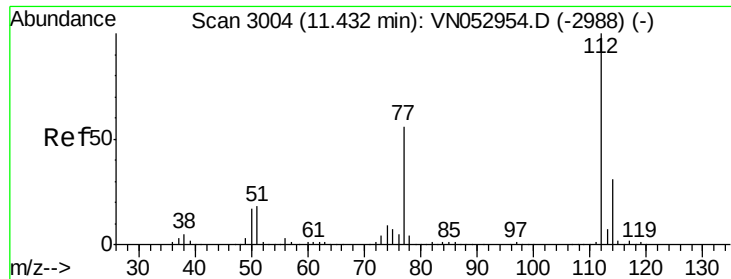
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

10.63

Time-->

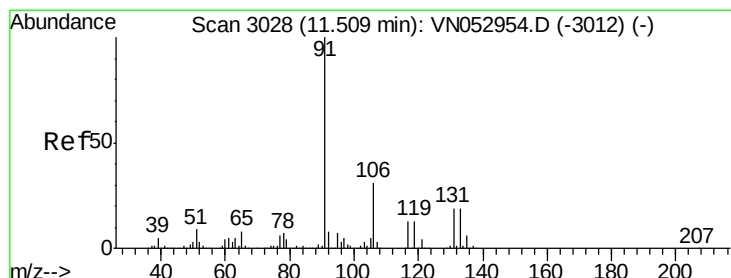
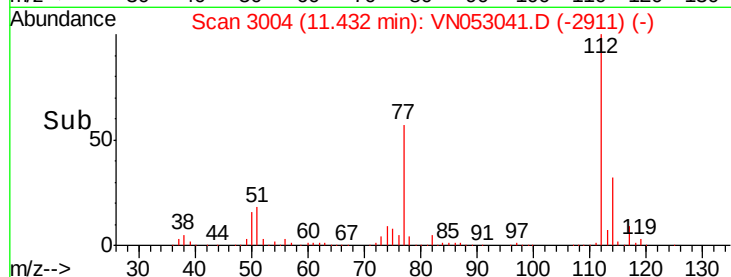
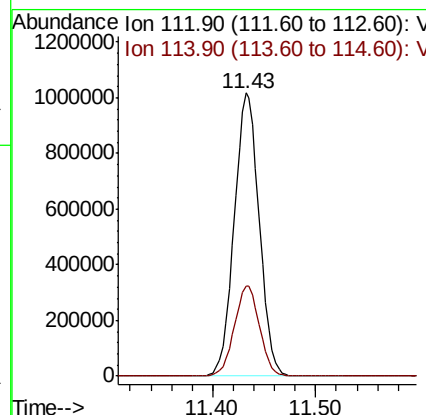
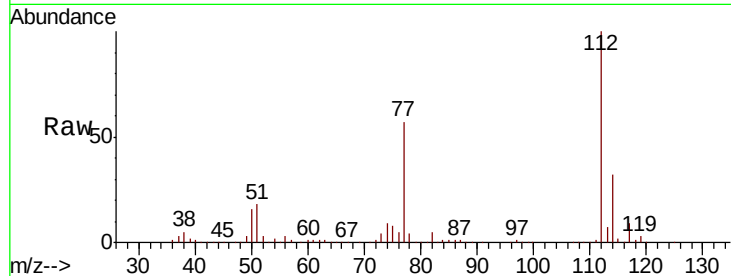




#65  
Chlorobenzene  
Concen: 48.991 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

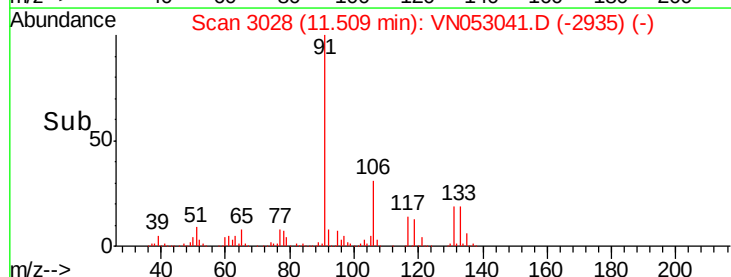
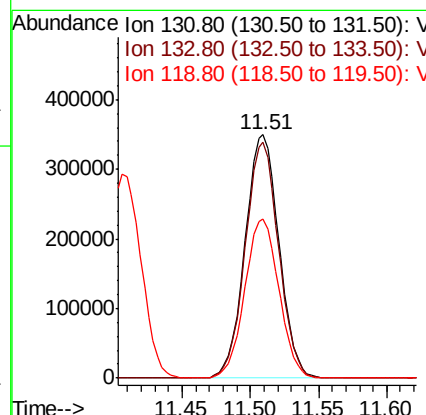
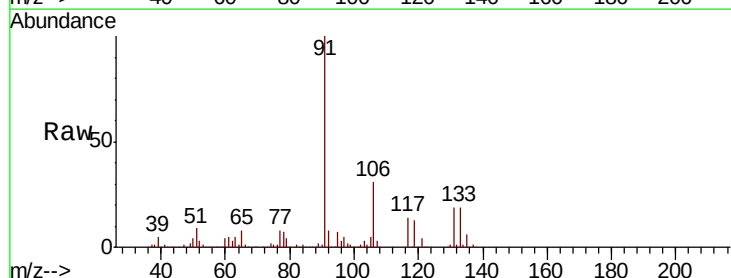
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

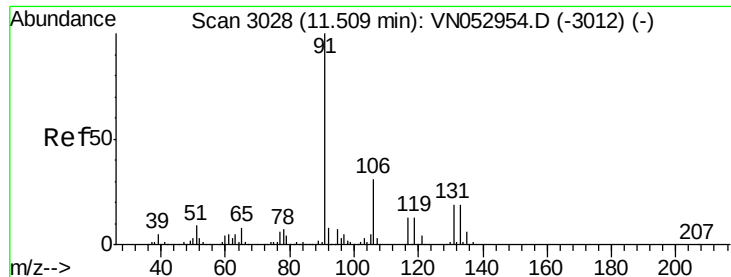
Tot Ion:112 Resp: 1715353  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.498 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion:131 Resp: 602687  
Ion Ratio Lower Upper  
131 100  
133 95.5 47.6 142.9  
119 66.0 33.3 99.8





#67

Ethyl Benzene

Concen: 49.071 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

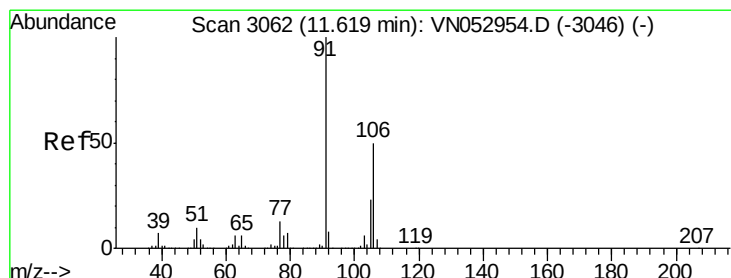
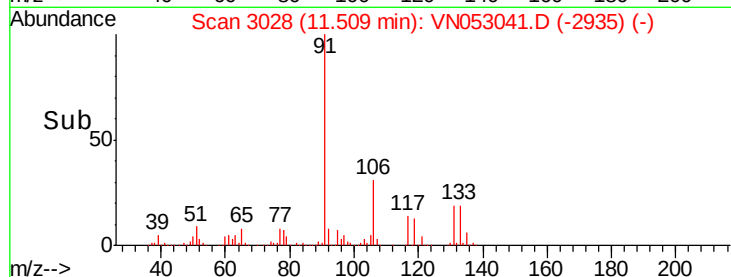
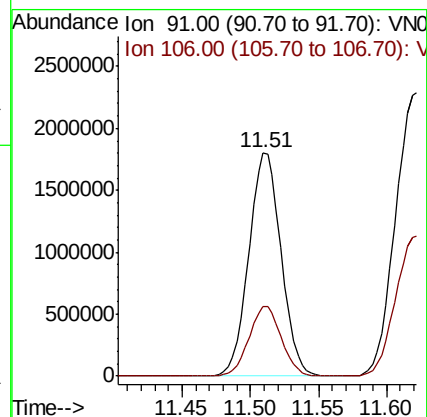
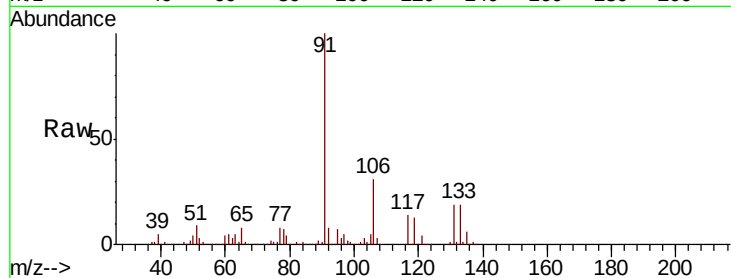
VSTDCCC050EC

Tot Ion: 91 Resp: 2954772

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 96.629 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053041.D

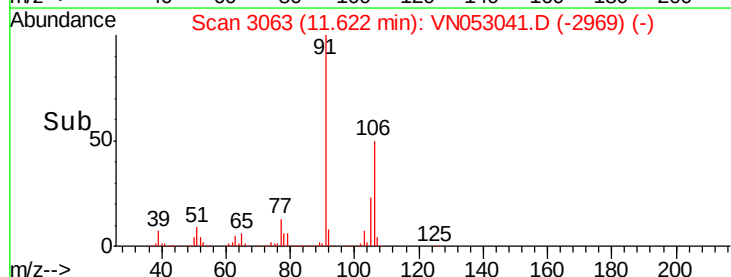
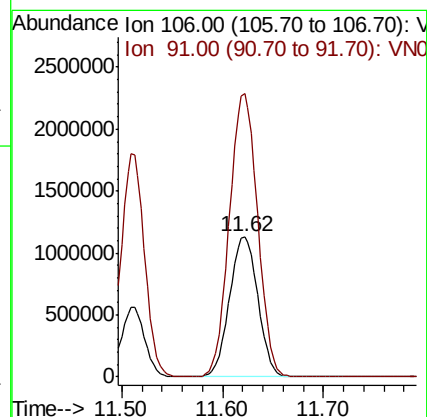
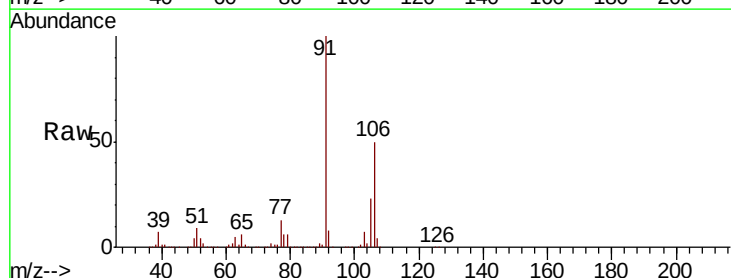
Acq: 20 Dec 2018 5:30

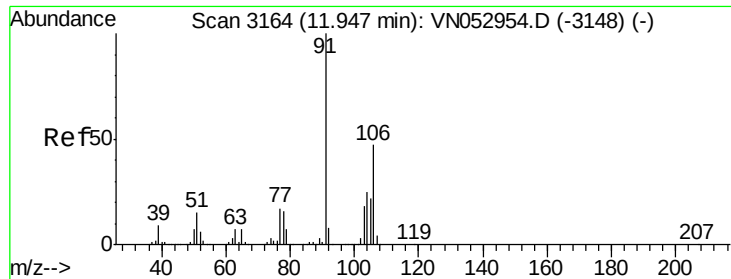
Tgt Ion: 106 Resp: 2211931

Ion Ratio Lower Upper

106 100

91 201.9 162.2 243.4

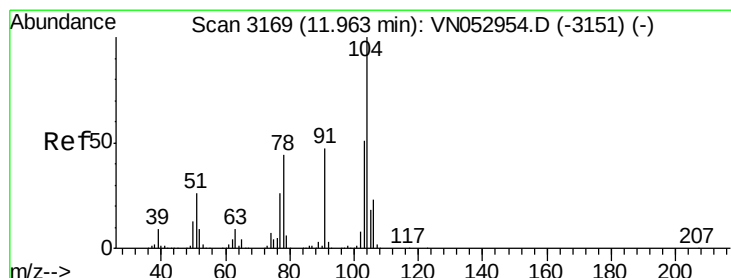
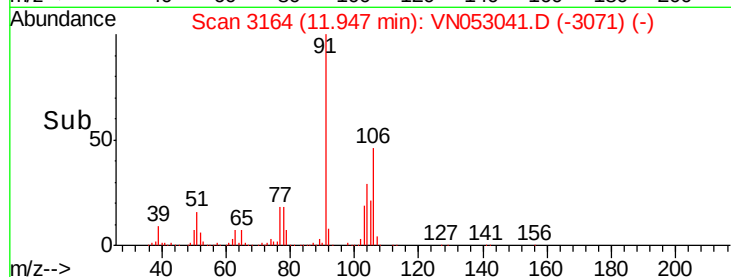
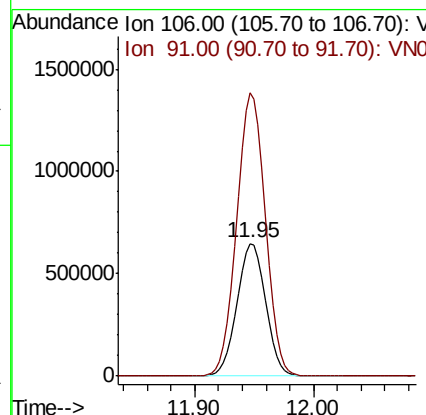
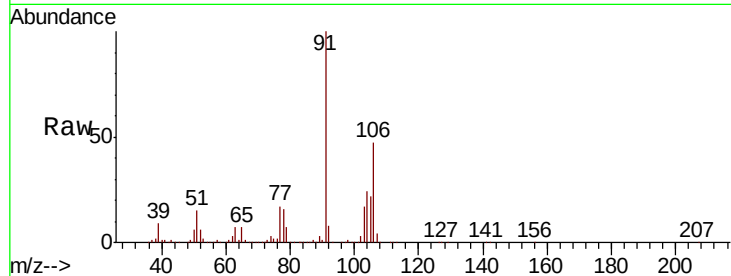




#69  
o-Xylene  
Concen: 49.334 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

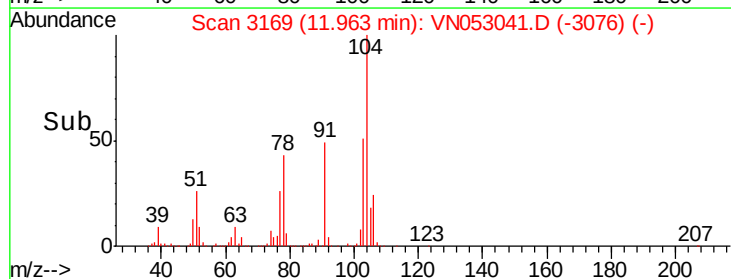
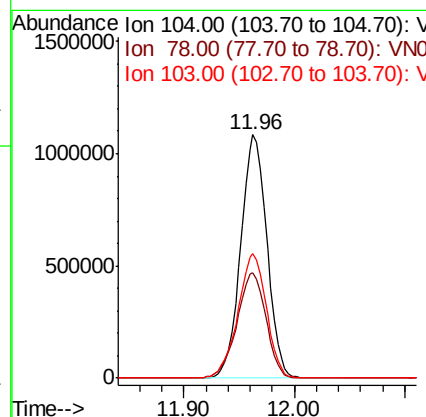
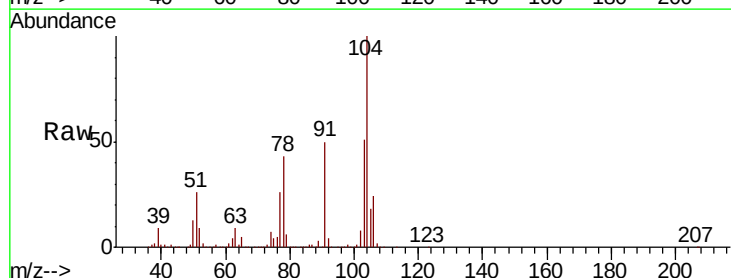
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

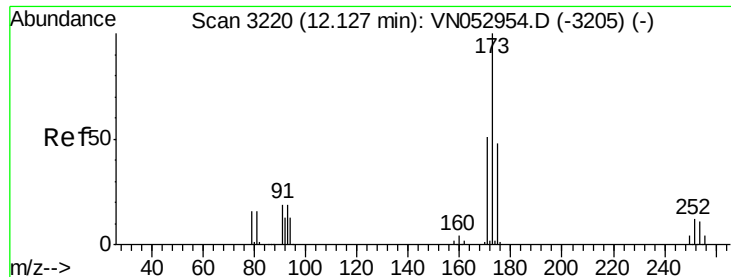
Tot Ion:106 Resp: 1083657  
Ion Ratio Lower Upper  
106 100  
91 212.7 106.6 319.8



#70  
Styrene  
Concen: 49.874 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. -0.00 min  
Lab File: VN053041.D  
Acq: 20 Dec 2018 5:30

Tgt Ion:104 Resp: 1786379  
Ion Ratio Lower Upper  
104 100  
78 48.0 38.9 58.3  
103 55.4 44.3 66.5





#71

Bromoform

Concen: 46.295 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

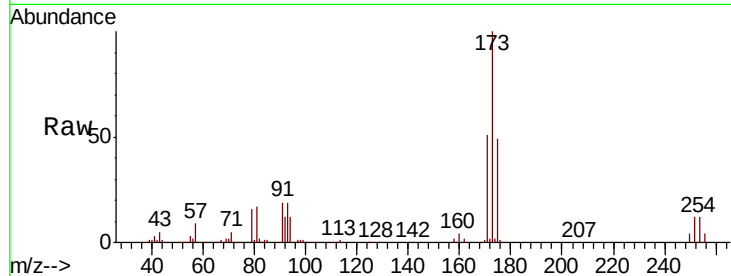
Tot Ion:173 Resp: 407215

Ion Ratio Lower Upper

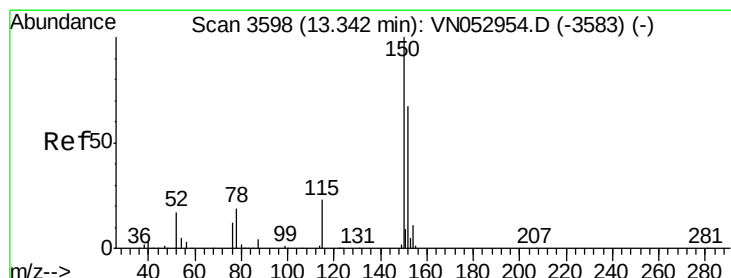
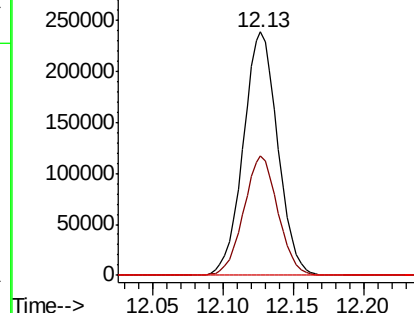
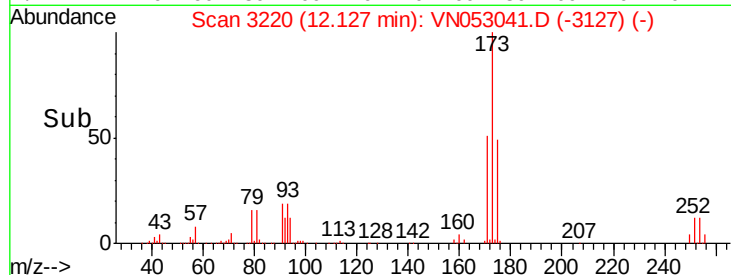
173 100

175 48.6 24.3 72.9

254 0.2 0.1 0.1#



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: VN053041.D

Acq: 20 Dec 2018 5:30

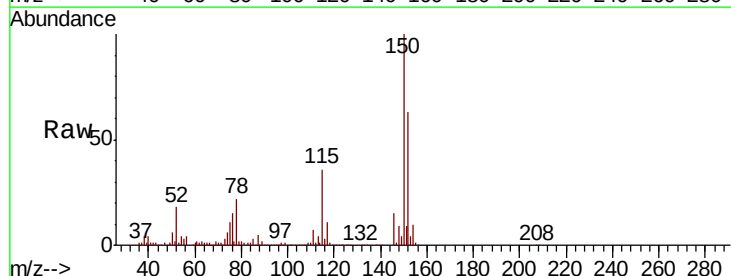
Tgt Ion:152 Resp: 687379

Ion Ratio Lower Upper

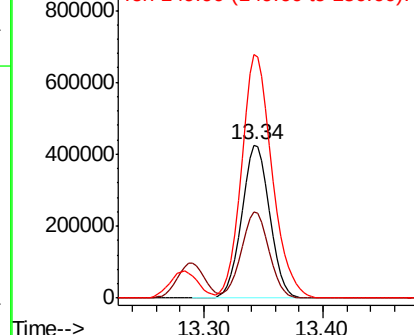
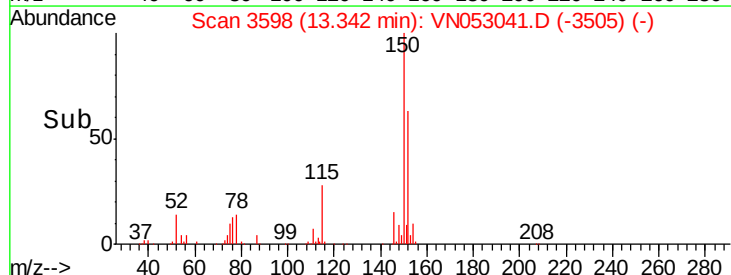
152 100

115 56.3 28.3 85.0

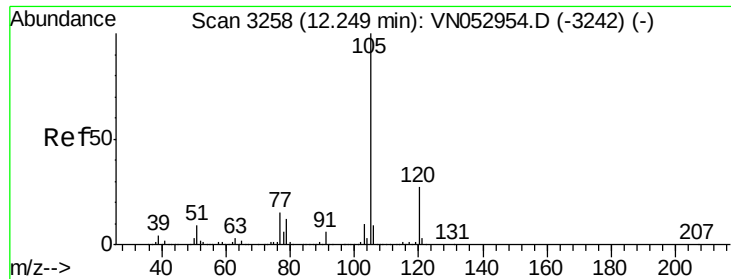
150 174.3 0.0 347.8



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







#73

Isopropylbenzene

Concen: 52.884 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

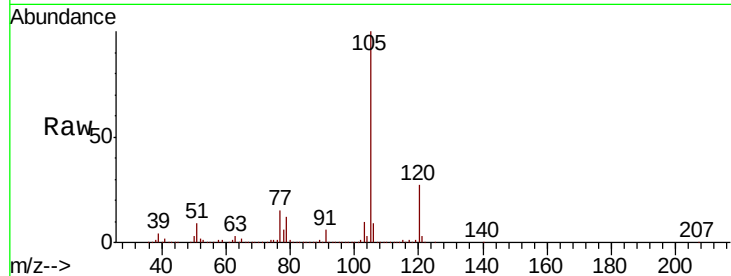
VSTDCCC050EC

Tot Ion:105 Resp: 2844195

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

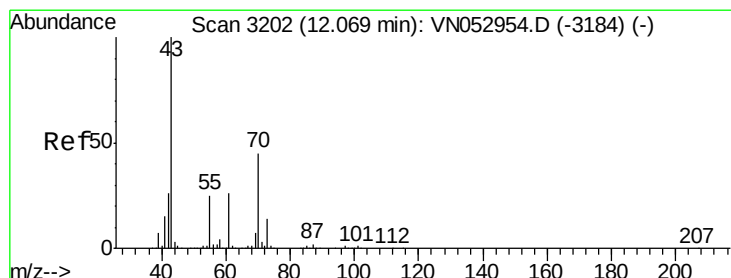
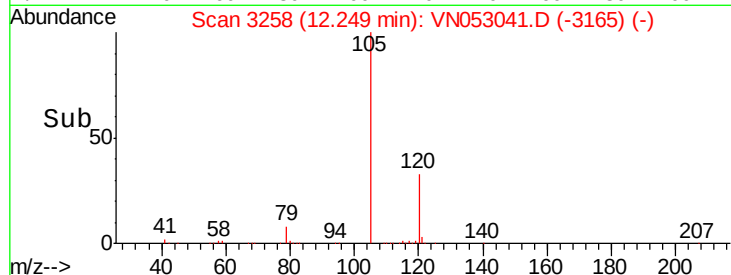
1000000

500000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 59.961 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Tgt Ion: 43 Resp: 895313

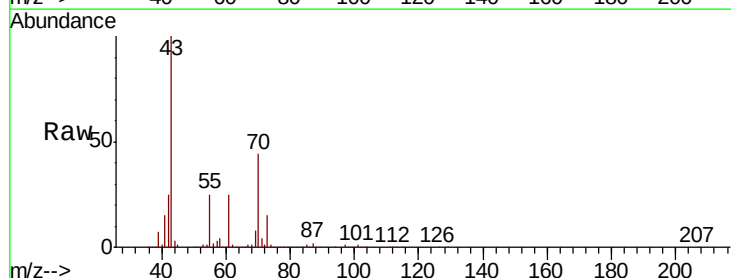
Ion Ratio Lower Upper

43 100

70 41.8 34.2 51.4

55 24.2 20.3 30.5

61 23.6 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

800000

600000

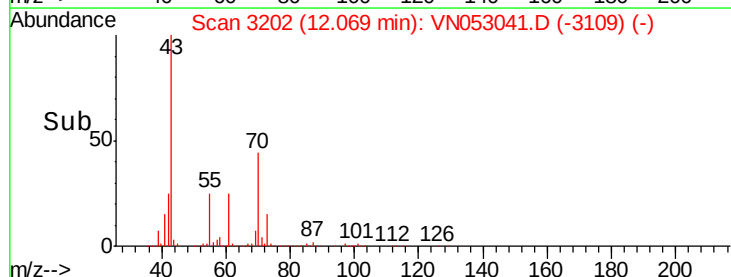
400000

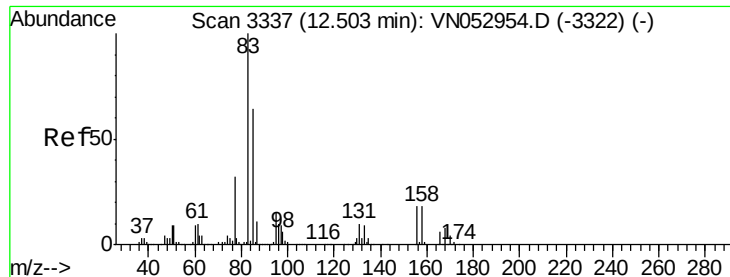
200000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.838 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

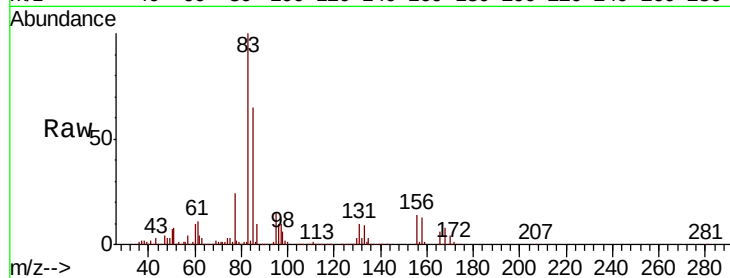
Tot Ion: 83 Resp: 589156

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

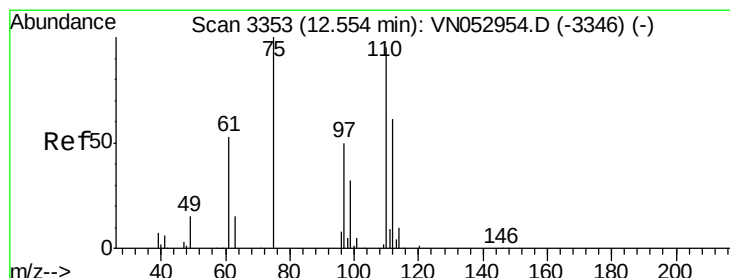
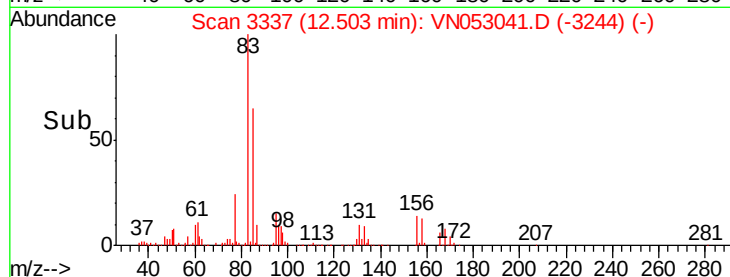
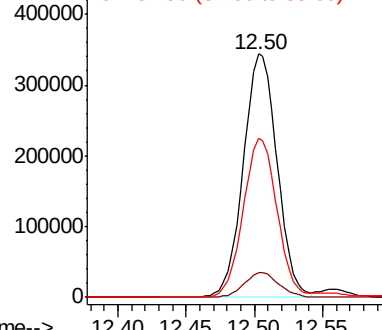
85 65.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 68.105 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053041.D

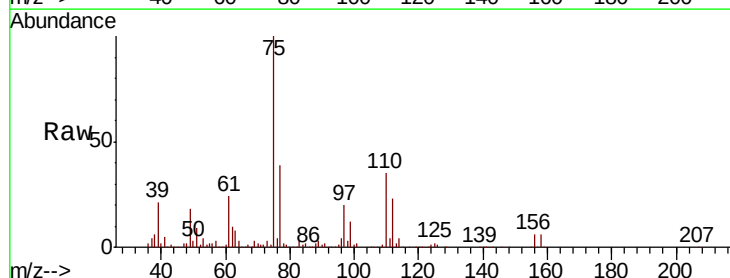
Acq: 20 Dec 2018 5:30

Tgt Ion: 75 Resp: 788068

Ion Ratio Lower Upper

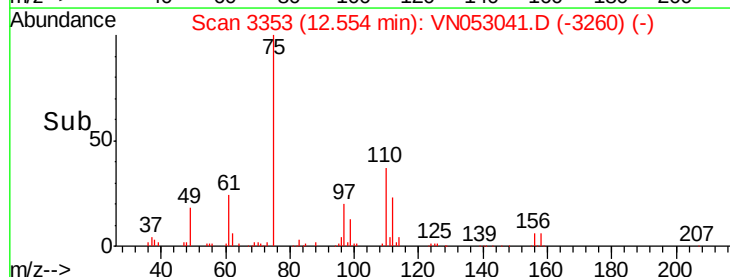
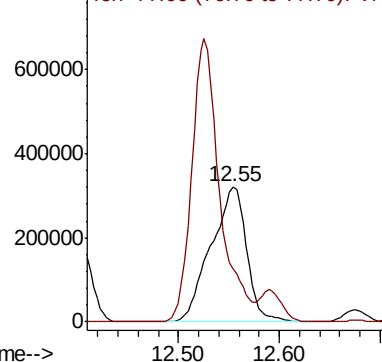
75 100

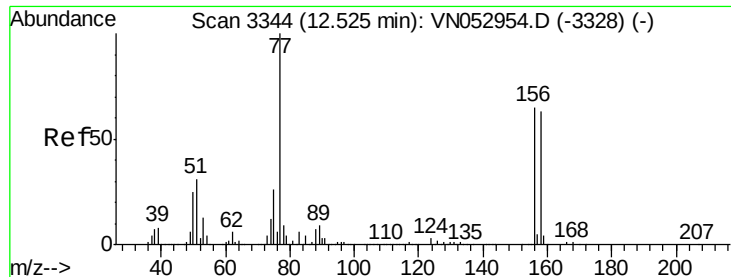
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.619 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

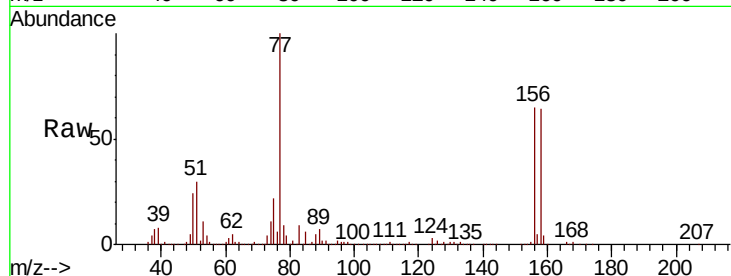
Tot Ion:156 Resp: 735618

Ion Ratio Lower Upper

156 100

77 177.1 91.3 273.8

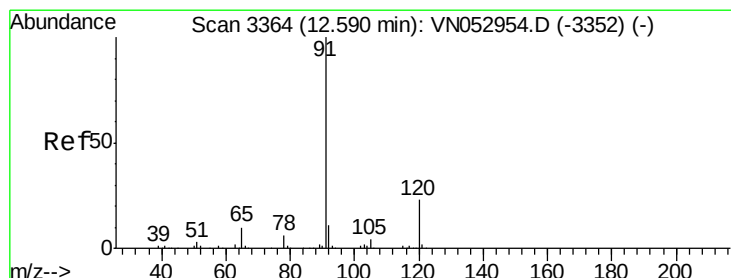
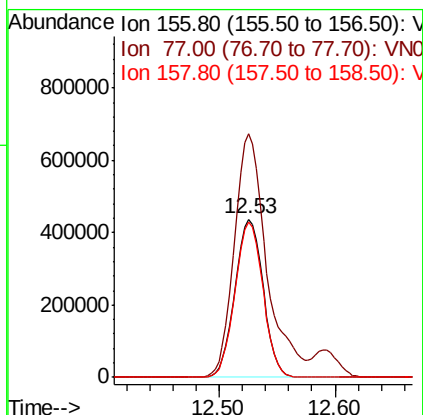
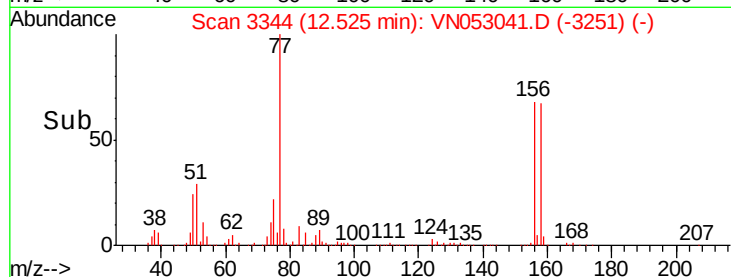
158 97.0 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.154 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053041.D

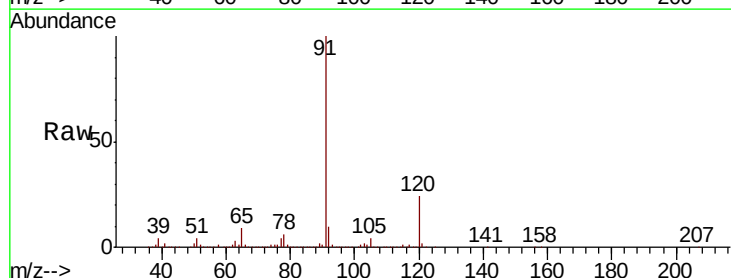
Acq: 20 Dec 2018 5:30

Tgt Ion: 91 Resp: 3194532

Ion Ratio Lower Upper

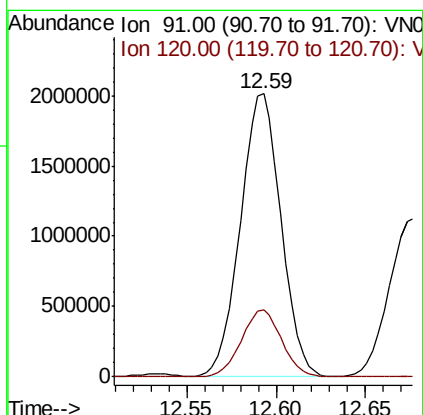
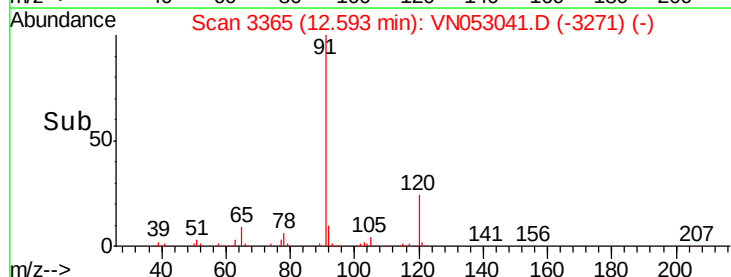
91 100

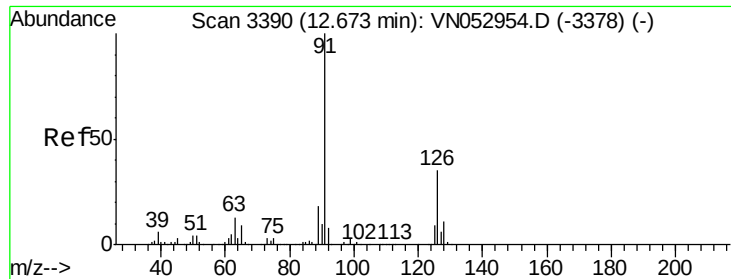
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

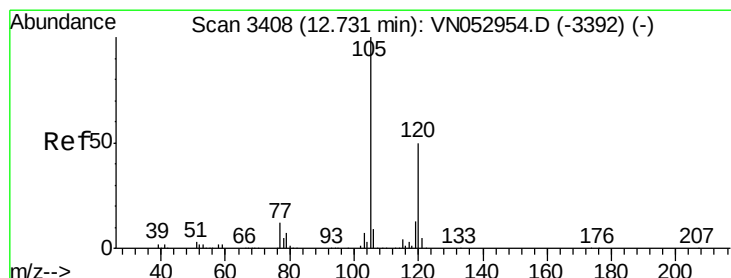
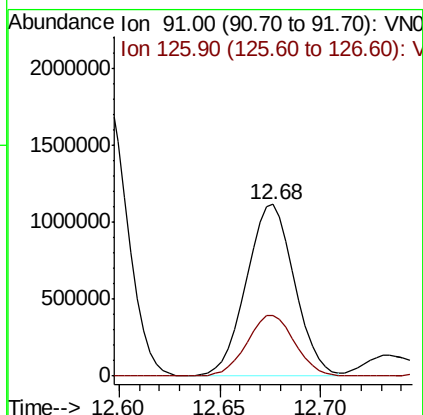
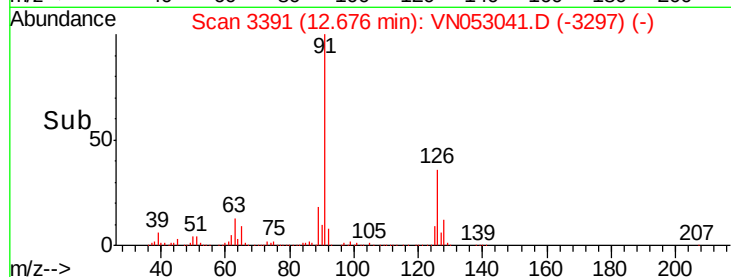
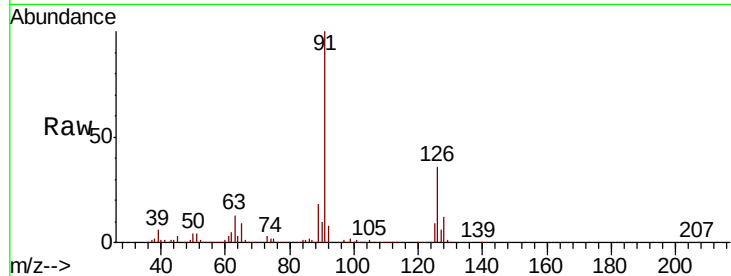




#79  
 2-Chlorotoluene  
 Concen: 49.044 ug/l  
 RT: 12.68 min Scan# 3391  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

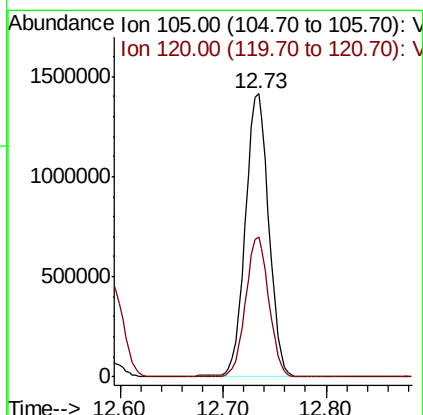
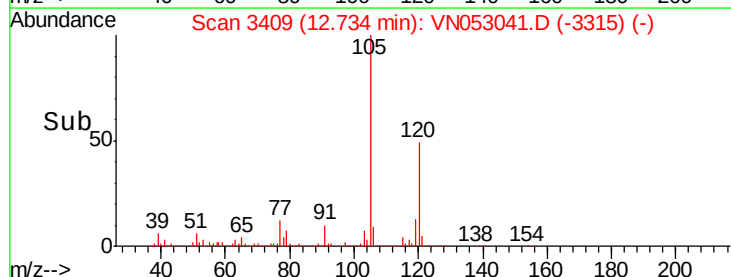
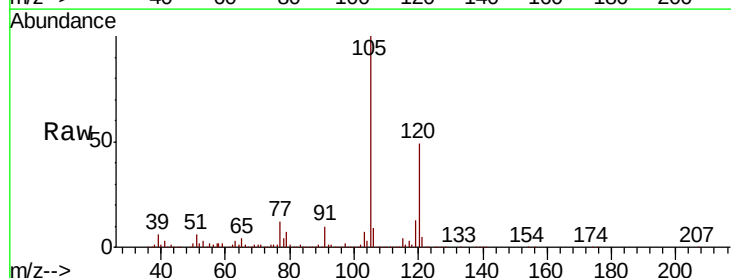
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

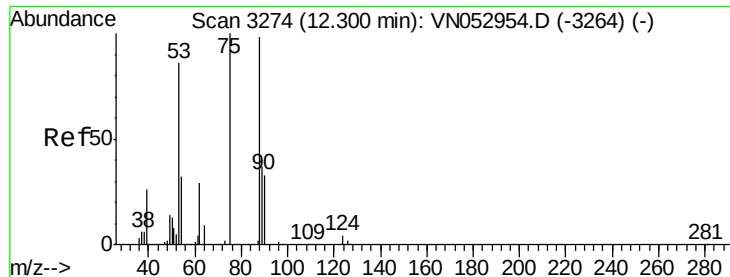
Tot Ion: 91 Resp: 1862062  
 Ion Ratio Lower Upper  
 91 100  
 126 35.5 17.4 52.3



#80  
 1,3,5-Trimethylbenzene  
 Concen: 50.788 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion: 105 Resp: 2226355  
 Ion Ratio Lower Upper  
 105 100  
 120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.526 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

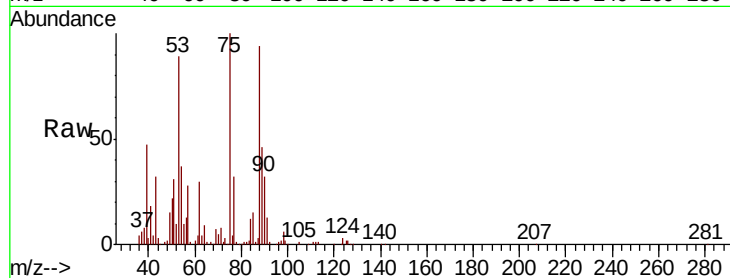
Tot Ion: 75 Resp: 167032

Ion Ratio Lower Upper

75 100

53 91.0 74.7 112.1

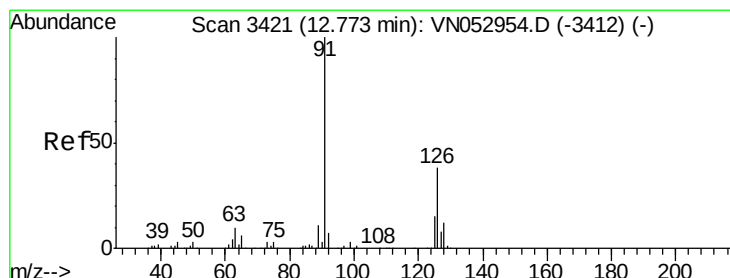
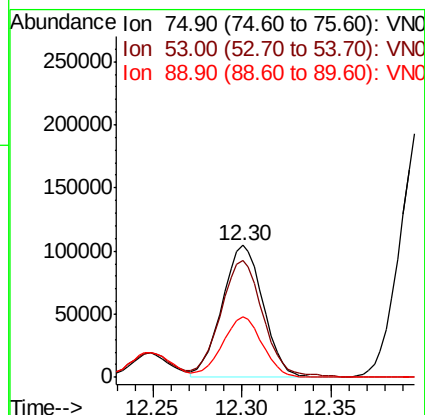
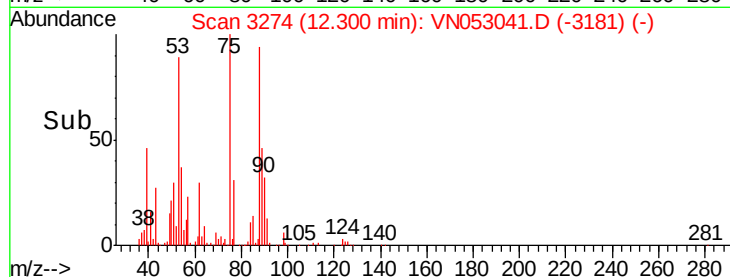
89 44.8 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.927 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053041.D

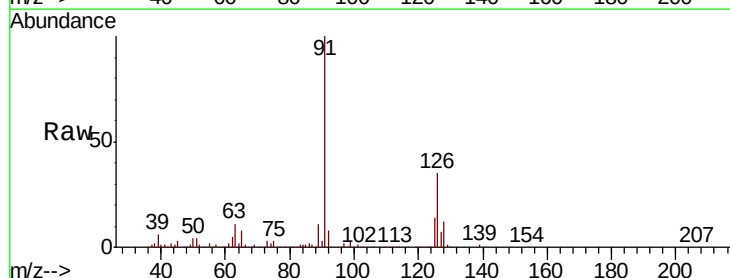
Acq: 20 Dec 2018 5:30

Tgt Ion: 91 Resp: 1892744

Ion Ratio Lower Upper

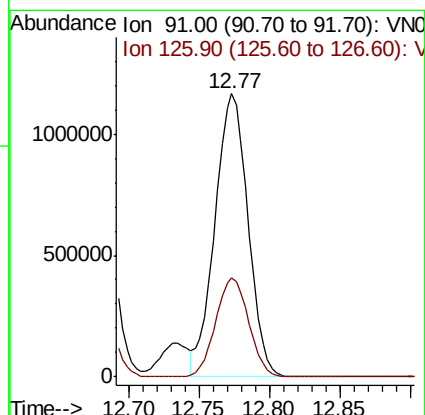
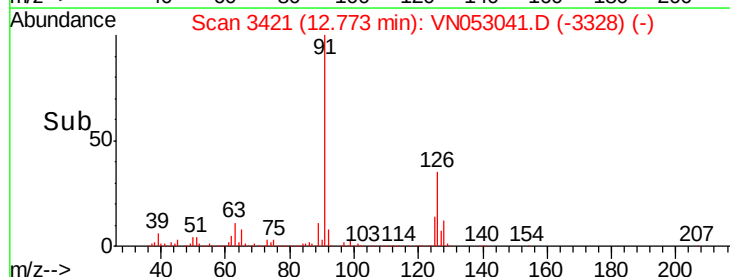
91 100

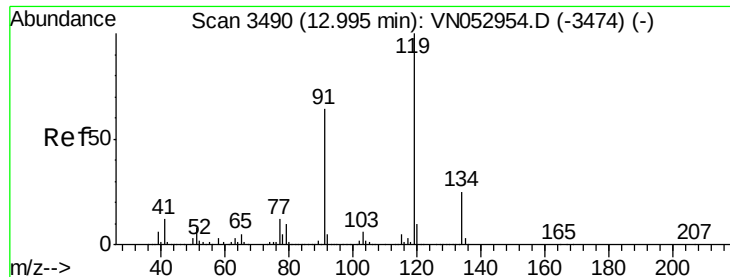
126 35.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

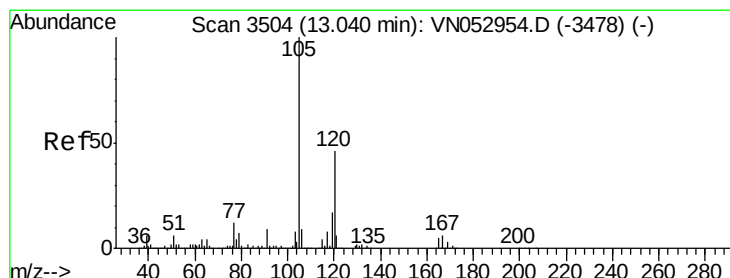
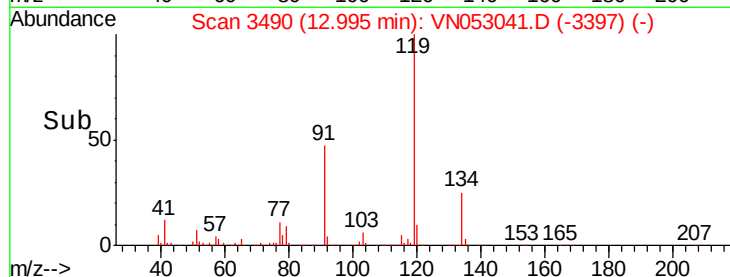
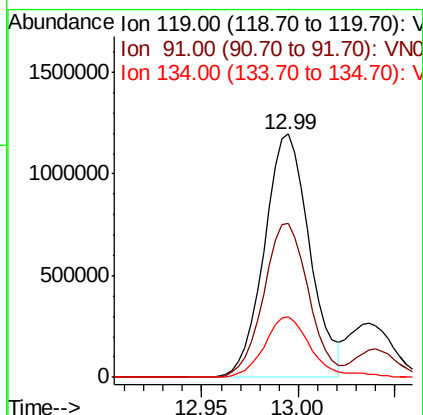
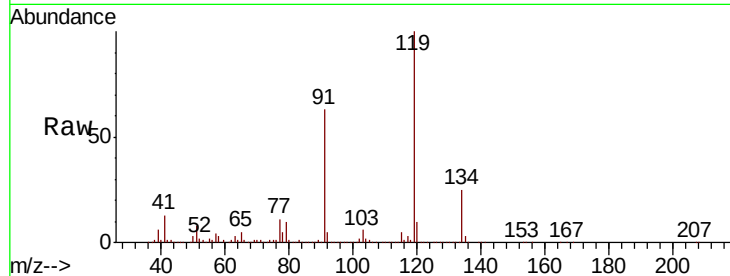




#83  
 tert-Butylbenzene  
 Concen: 50.299 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

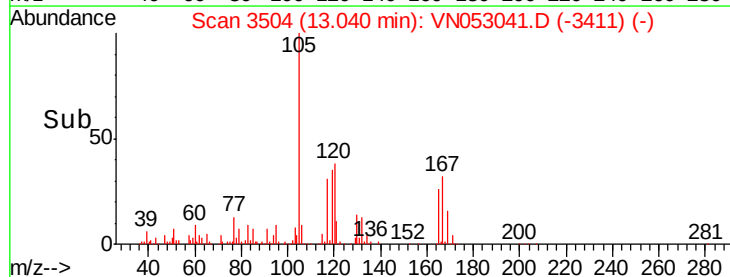
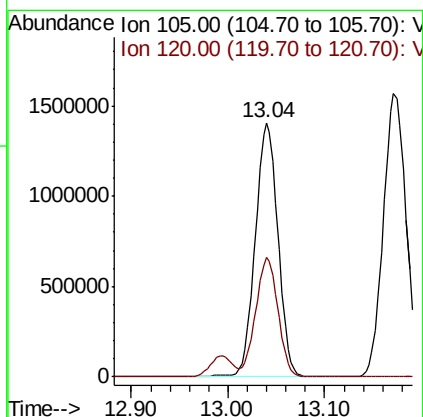
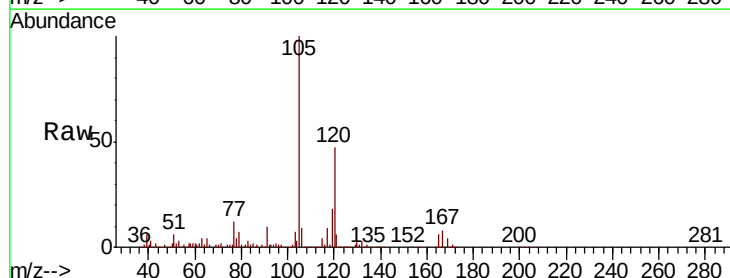
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

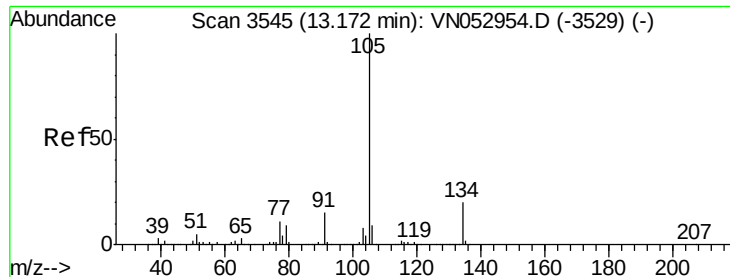
Tot Ion:119 Resp: 1950066  
 Ion Ratio Lower Upper  
 119 100  
 91 63.1 31.9 95.5  
 134 25.7 12.8 38.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.801 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion:105 Resp: 2282765  
 Ion Ratio Lower Upper  
 105 100  
 120 46.5 22.9 68.8





#85

sec-Butylbenzene

Concen: 48.647 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

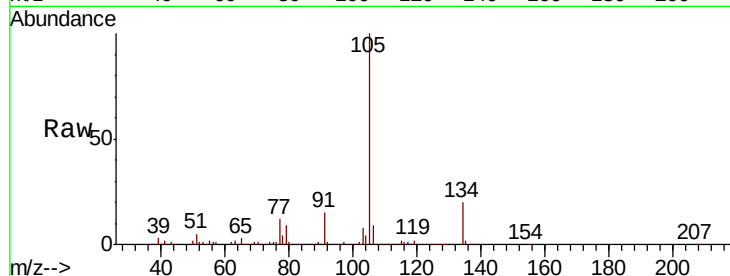
VSTDCCC050EC

Tot Ion:105 Resp: 2551029

Ion Ratio Lower Upper

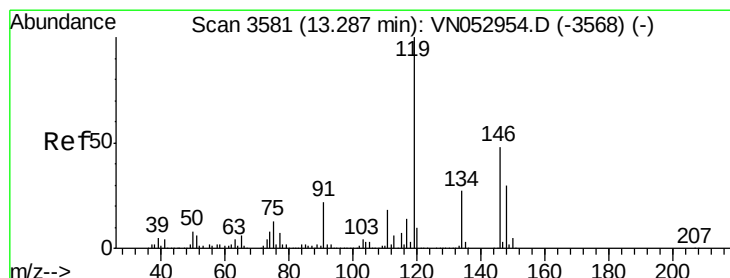
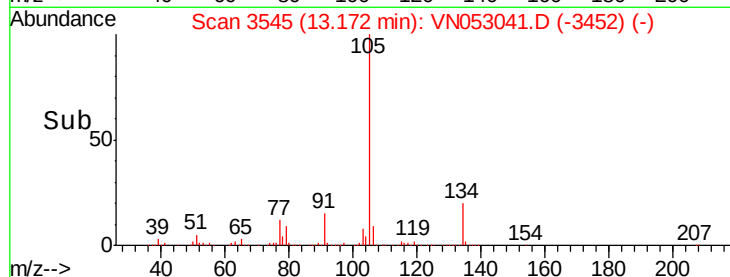
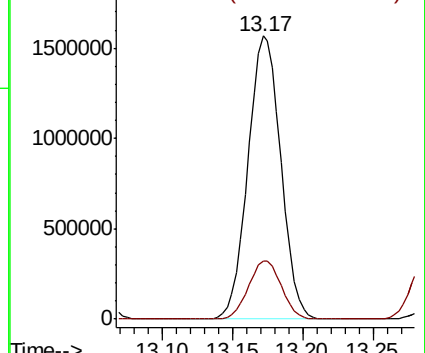
105 100

134 20.7 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.381 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

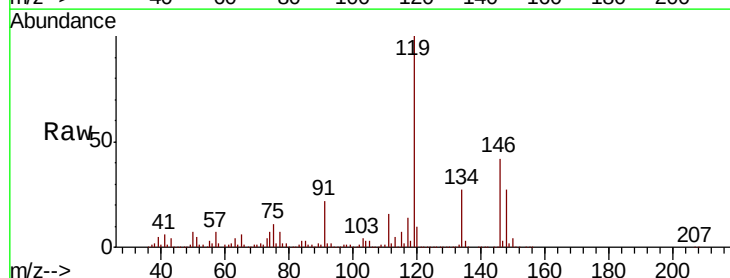
Tgt Ion:119 Resp: 2192235

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

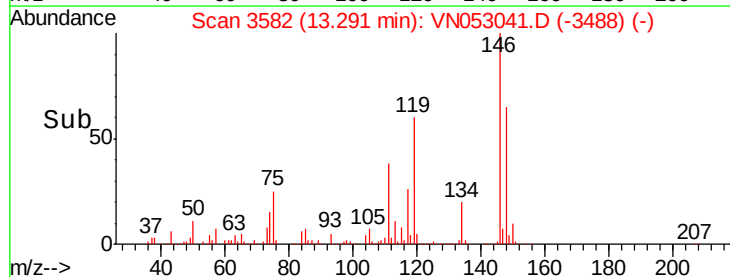
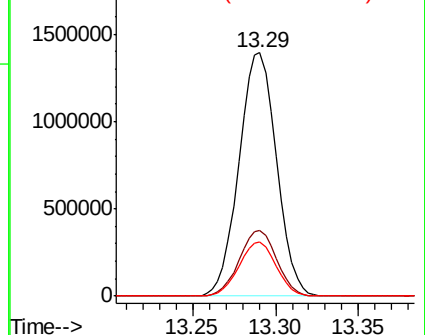
91 21.9 11.1 33.3

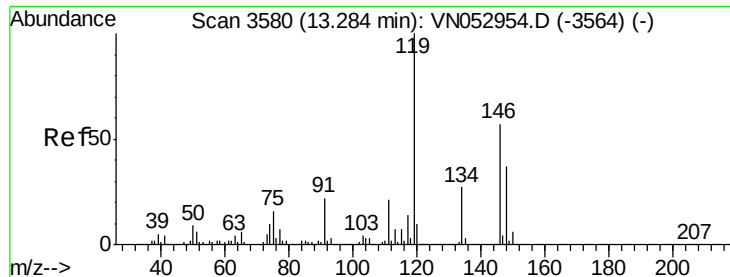


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

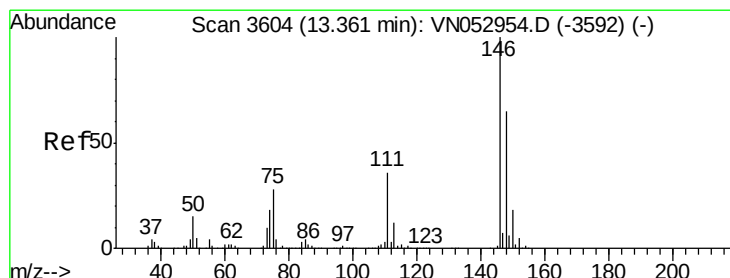
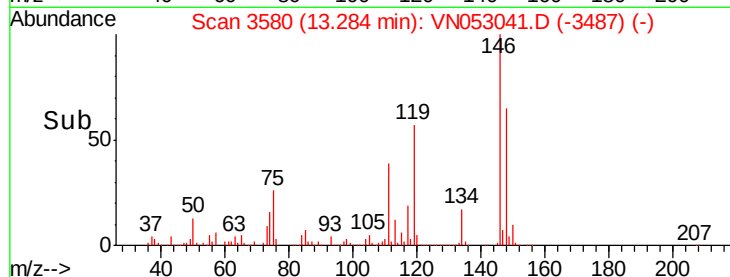
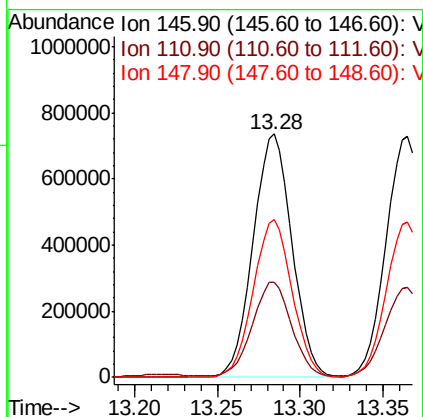
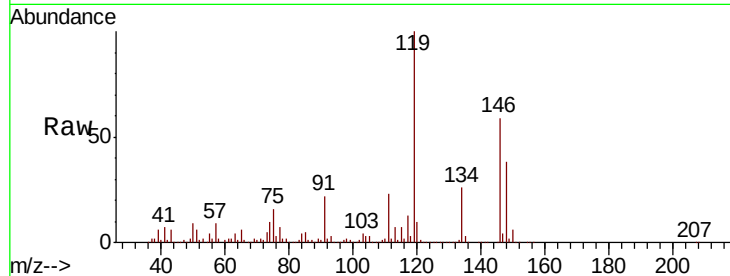




#87  
 1,3-Dichlorobenzene  
 Concen: 48.709 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

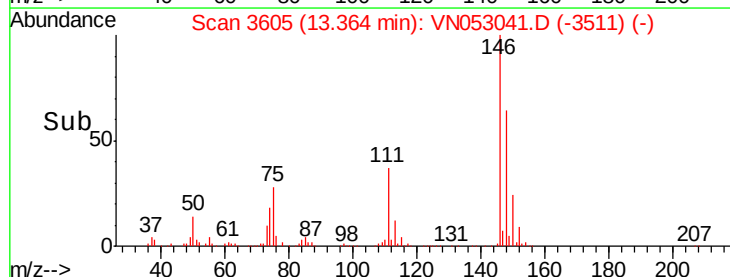
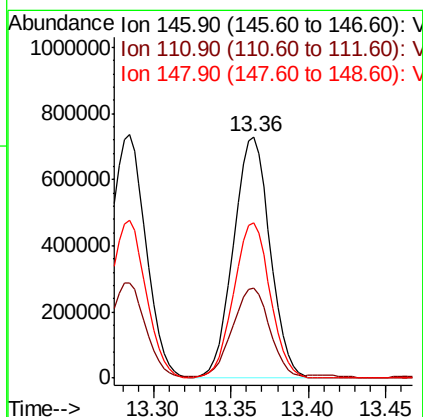
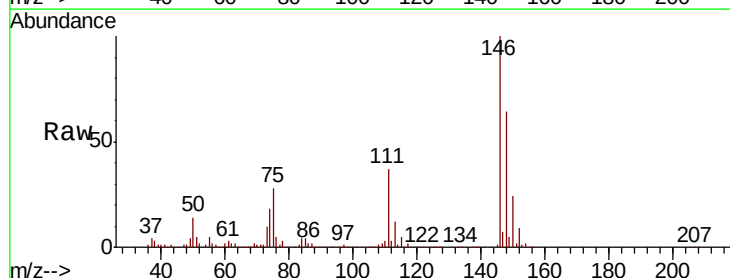
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:146 Resp: 1205222  
 Ion Ratio Lower Upper  
 146 100  
 111 38.5 19.1 57.1  
 148 64.6 32.0 96.0

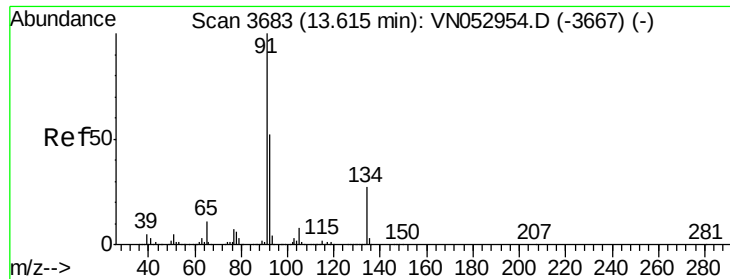


#88  
 1,4-Dichlorobenzene  
 Concen: 47.644 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion:146 Resp: 1193822  
 Ion Ratio Lower Upper  
 146 100  
 111 37.3 18.6 55.8  
 148 64.3 32.1 96.5







#89

n-Butylbenzene

Concen: 45.565 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

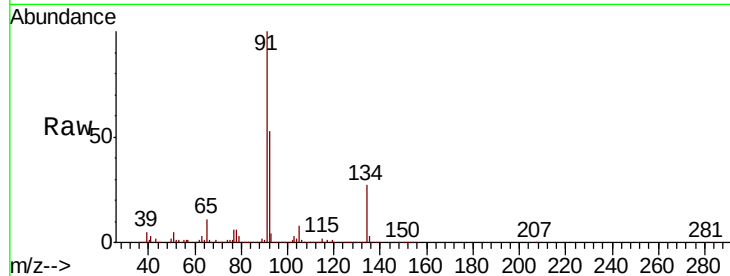
Tot Ion: 91 Resp: 1776258

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 52.9  | 26.3  | 78.9  |
| 134 | 27.2  | 13.3  | 39.8  |

91 100

92 52.9 26.3 78.9

134 27.2 13.3 39.8

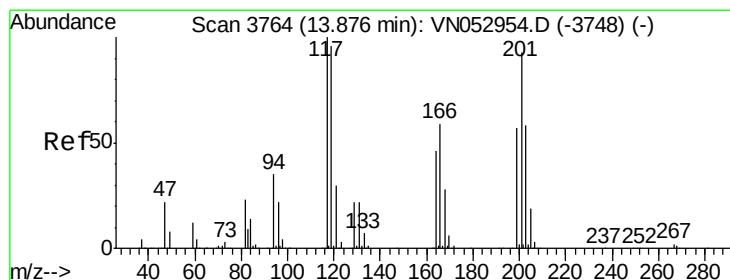
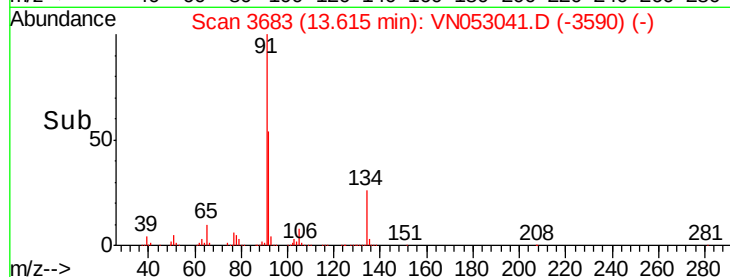
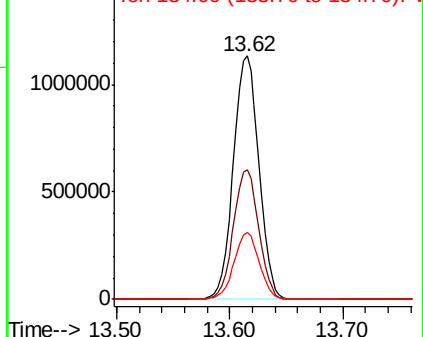


Abundance

Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 47.128 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053041.D

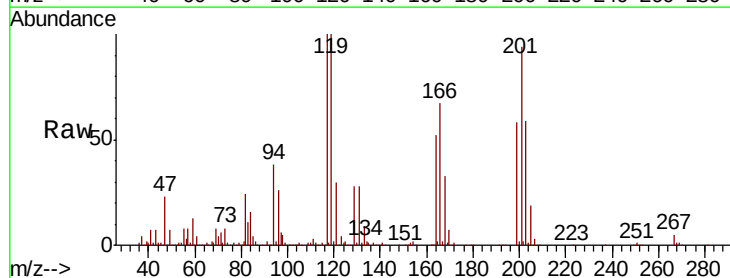
Acq: 20 Dec 2018 5:30

Tgt Ion: 117 Resp: 327702

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 93.4  | 45.7  | 137.1 |

117 100

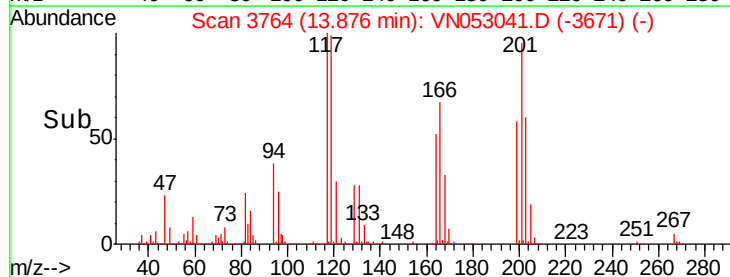
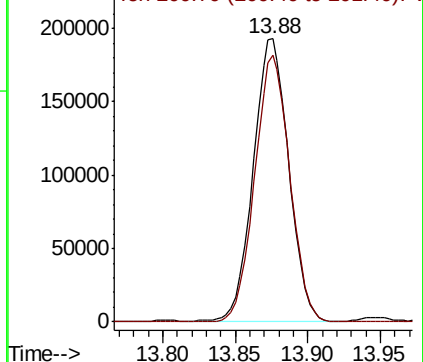
201 93.4 45.7 137.1

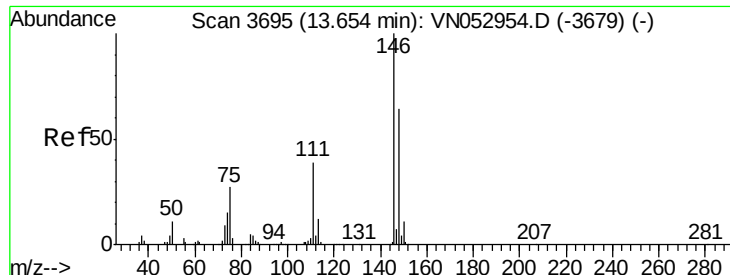


Abundance

Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

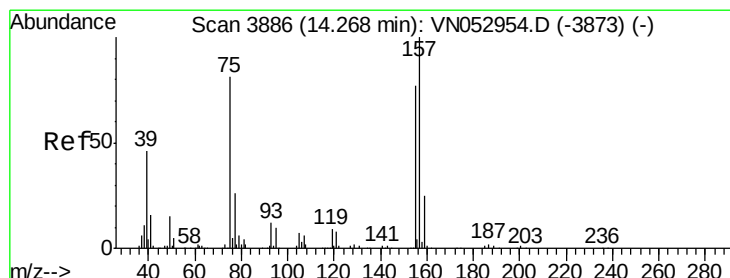
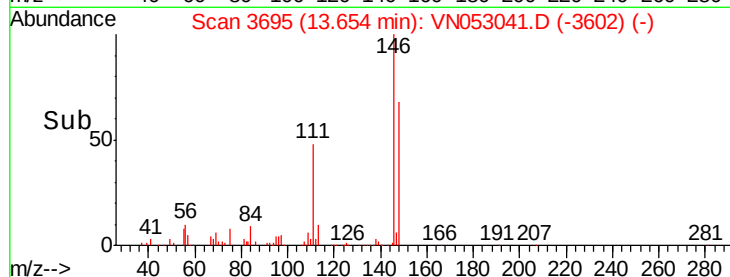
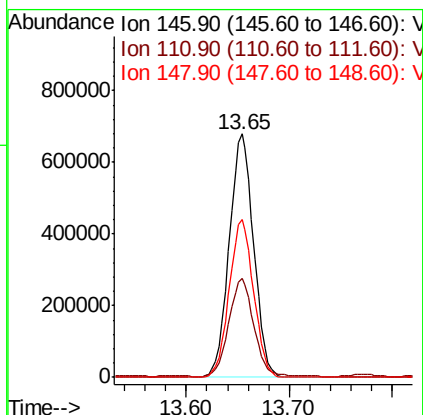
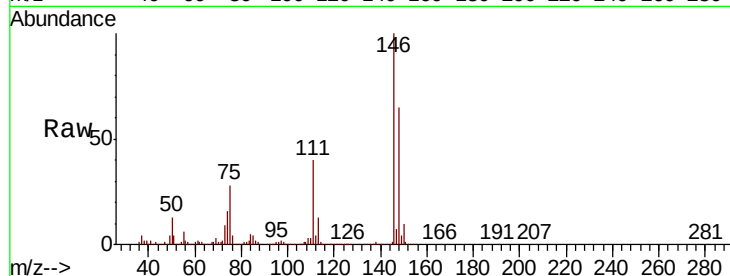




#91  
 1,2-Dichlorobenzene  
 Concen: 47.867 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. -0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

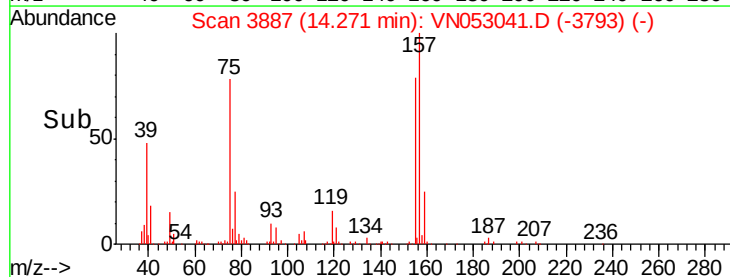
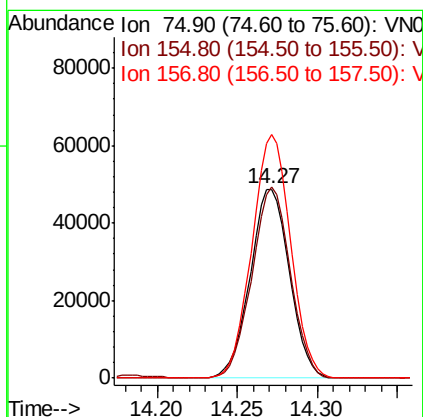
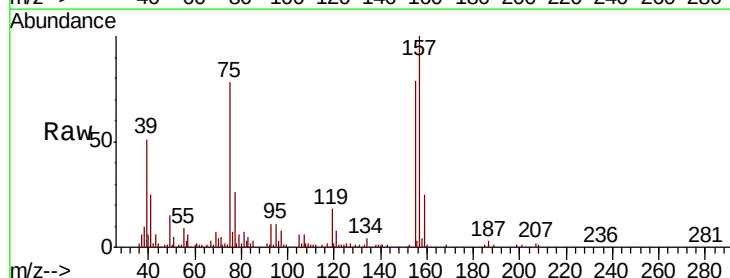
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

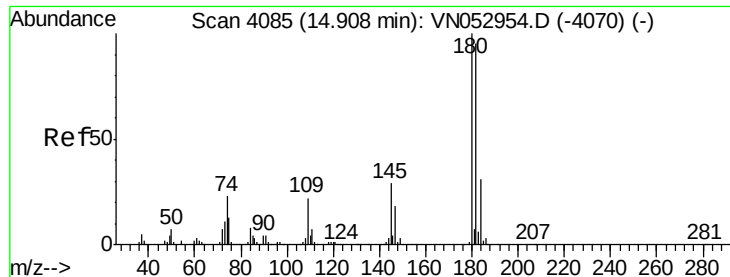
Tot Ion:146 Resp: 1114664  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 19.7 59.0  
 148 64.9 32.0 96.0



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.362 ug/l  
 RT: 14.27 min Scan# 3887  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion: 75 Resp: 82756  
 Ion Ratio Lower Upper  
 75 100  
 155 98.8 48.2 144.6  
 157 126.6 61.2 183.5

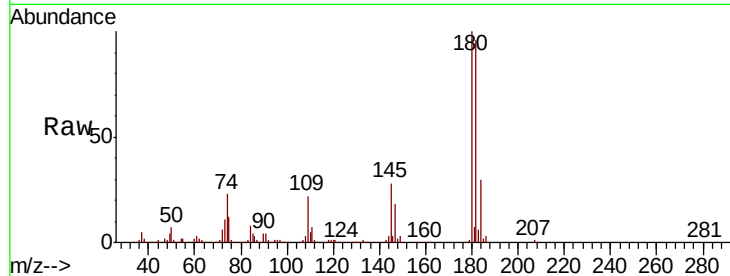




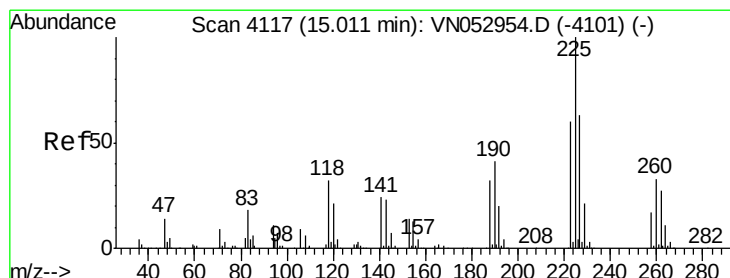
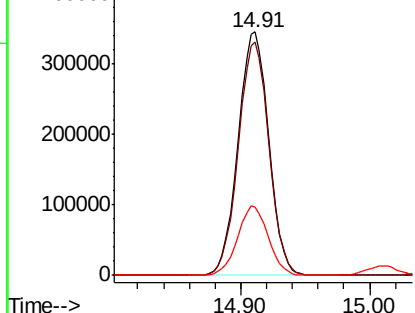
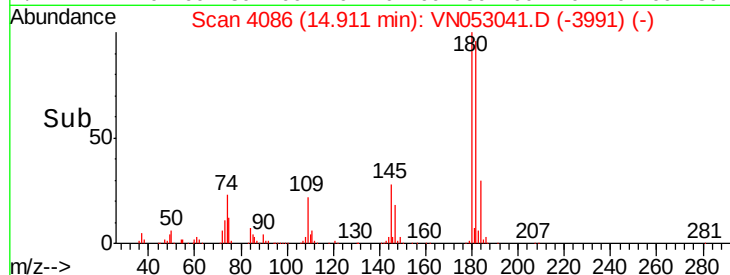
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.202 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion:180 Resp: 569459  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 47.8 143.3  
 145 28.4 14.2 42.6

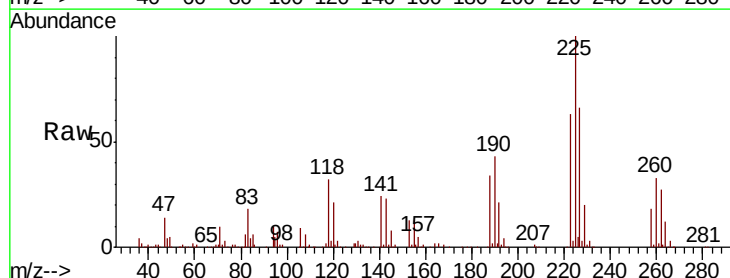


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

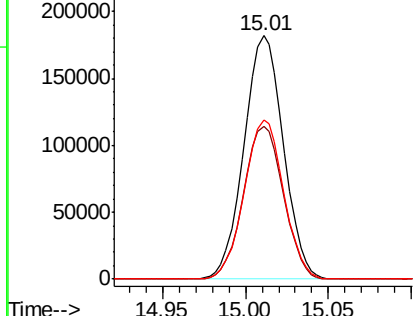
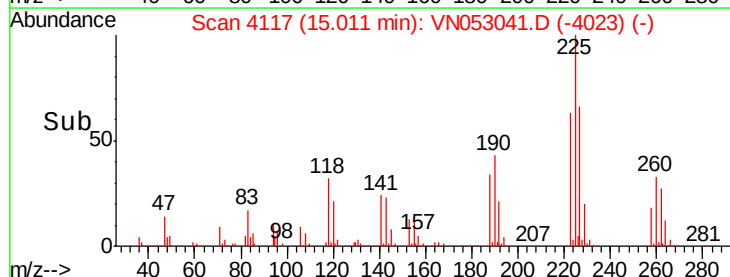


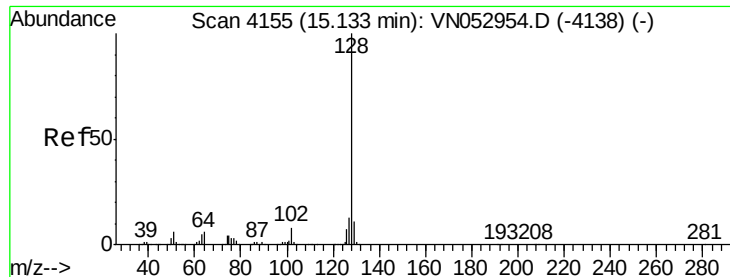
#94  
 Hexachlorobutadiene  
 Concen: 46.818 ug/l  
 RT: 15.01 min Scan# 4117  
 Delta R.T. 0.00 min  
 Lab File: VN053041.D  
 Acq: 20 Dec 2018 5:30

Tgt Ion:225 Resp: 300246  
 Ion Ratio Lower Upper  
 225 100  
 223 63.7 31.5 94.5  
 227 65.4 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.203 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

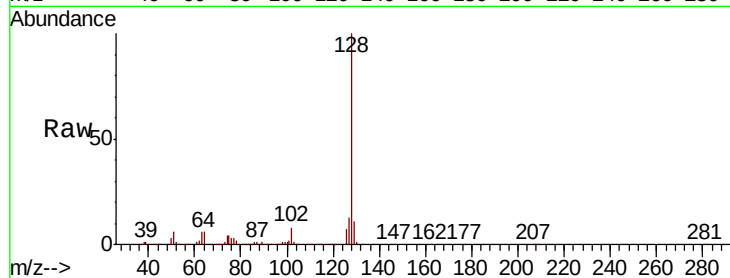
Tot Ion:128 Resp: 1273935

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

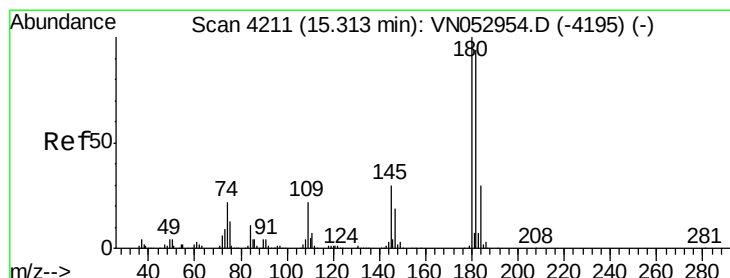
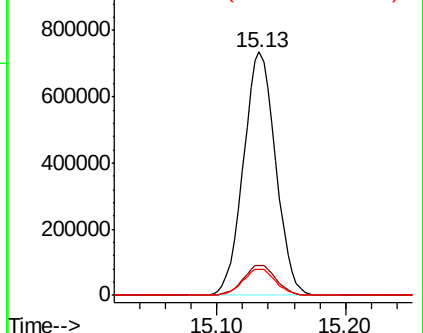
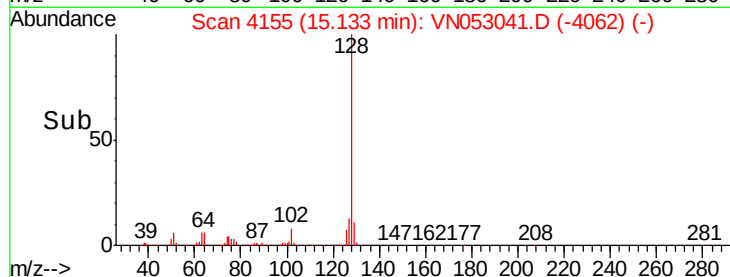
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.192 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053041.D

Acq: 20 Dec 2018 5:30

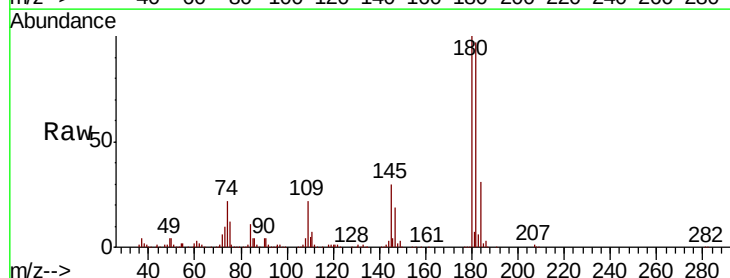
Tgt Ion:180 Resp: 512756

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 30.3 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

