

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\  
 Data File : VN055586.D  
 Acq On : 14 May 2019 11:32  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 15 06:52:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051419W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 15 06:47:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 704824   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1227658  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1039008  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 329880   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 46562    | 4.42 | ug/l  | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 8.84% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 37144    | 4.68 | ug/l  | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 9.36% |          |
| 50) Toluene-d8              | 10.09 | 98   | 134932   | 4.37 | ug/l  | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 8.74% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 41885    | 4.07 | ug/l  | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 8.14% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 38184    | 5.306  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50   | 58479    | 5.051  | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.18 | 62   | 56606    | 5.142  | ug/l   | 98     |
| 5) Bromomethane               | 2.54 | 94   | 36272    | 5.960  | ug/l   | 94     |
| 6) Chloroethane               | 2.69 | 64   | 35080    | 5.421  | ug/l   | 100    |
| 7) Trichlorofluoromethane     | 3.01 | 101  | 64654    | 5.348  | ug/l   | 96     |
| 8) Diethyl Ether              | 3.41 | 74   | 27306    | 5.030  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101  | 39861    | 5.180  | ug/l   | 97     |
| 10) Methyl Iodide             | 3.94 | 142  | 42367    | 4.096  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.81 | 59   | 30227    | 20.092 | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 3.72 | 96   | 39283    | 5.090  | ug/l   | 98     |
| 13) Acrolein                  | 3.60 | 56   | 36101    | 33.320 | ug/l   | 99     |
| 14) Allyl chloride            | 4.32 | 41   | 72391    | 4.639  | ug/l   | 97     |
| 15) Acrylonitrile             | 4.99 | 53   | 108132   | 22.776 | ug/l   | 98     |
| 16) Acetone                   | 3.82 | 43   | 105440   | 21.728 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.04 | 76   | 106938   | 5.047  | ug/l   | 100    |
| 18) Methyl Acetate            | 4.33 | 43   | 50743    | 4.279  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73   | 120410   | 4.749  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.54 | 84   | 48957    | 4.897  | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96   | 42472    | 5.068  | ug/l   | 94     |
| 22) Diisopropyl ether         | 5.96 | 45   | 149312   | 4.715  | ug/l   | 98     |
| 23) Vinyl Acetate             | 5.90 | 43   | 533930   | 21.909 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 82308    | 4.776  | ug/l   | 98     |
| 25) 2-Butanone                | 6.84 | 43   | 140939   | 21.327 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 53343    | 4.972  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 48278    | 5.011  | ug/l   | 98     |
| 28) Bromochloromethane        | 7.19 | 49   | 38831    | 4.405  | ug/l   | 97     |
| 29) Tetrahydrofuran           | 7.22 | 42   | 94077    | 21.515 | ug/l   | 98     |
| 30) Chloroform                | 7.37 | 83   | 79130    | 4.973  | ug/l   | 95     |
| 31) Cyclohexane               | 7.65 | 56   | 91554    | 5.366  | ug/l # | 85     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 61116    | 5.027  | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 58613    | 4.872  | ug/l   | 99     |
| 37) Ethyl Acetate             | 6.94 | 43   | 55830    | 4.339  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 49822    | 4.890  | ug/l   | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\  
 Data File : VN055586.D  
 Acq On : 14 May 2019 11:32  
 Operator : JC/SP  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 15 06:52:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051419W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 15 06:47:21 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 69824    | 4.763  | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 184249   | 4.940  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.17  | 41   | 24686    | 4.144  | ug/l # | 86       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 60460    | 4.631  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 84124    | 4.317  | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 43823    | 4.904  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 52026    | 4.886  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 29200    | 4.735  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 54896    | 4.634  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.20  | 41   | 41082    | 4.362  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 15120    | 82.916 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 273229   | 21.421 | ug/l   | 98       |
| 52) Toluene                    | 10.15 | 92   | 101114   | 4.737  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 48648    | 4.296  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 60599    | 4.463  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 41419    | 4.799  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 55312    | 4.353  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 70816    | 4.638  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 63994    | 18.274 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 182939   | 20.481 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 36143    | 4.603  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 38408    | 4.645  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 41347    | 4.867  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 105673   | 4.953  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 35899    | 4.872  | ug/l   | 95       |
| 67) Ethyl Benzene              | 11.51 | 91   | 187047   | 4.693  | ug/l   | 96       |
| 68) m/p-Xylenes                | 11.62 | 106  | 134123   | 9.350  | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 66200    | 4.702  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 100268   | 4.456  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 21672    | 4.392  | ug/l # | 94       |
| 73) Isopropylbenzene           | 12.25 | 105  | 171362   | 5.316  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 55045    | 4.503  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 56195    | 5.377  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 62004    | 7.023  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 39506    | 5.436  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 174743   | 4.966  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 115706   | 5.285  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 134446   | 5.132  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 11958    | 5.020  | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 106034   | 5.121  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 118216   | 5.270  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 114779   | 4.779  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 148355   | 4.983  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 111877   | 4.618  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 57485    | 5.138  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 53886    | 4.875  | ug/l   | 92       |
| 89) n-Butylbenzene             | 13.61 | 91   | 76503    | 4.115  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.87 | 117  | 20953    | 5.295  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 55317    | 4.941  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 6782     | 4.575  | ug/l   | 93       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\  
Data File : VN055586.D  
Acq On : 14 May 2019 11:32  
Operator : JC/SP  
Sample : VSTDICC005  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

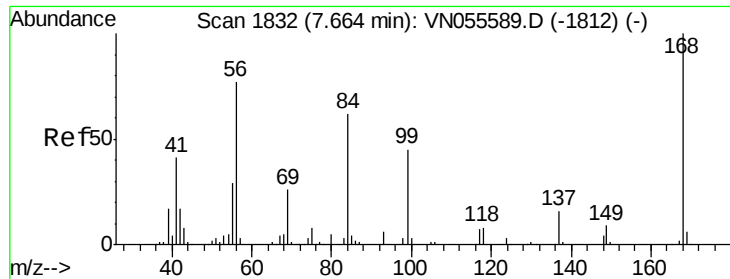
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Quant Time: May 15 06:52:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051419W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 15 06:47:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 14756    | 3.897 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 19229    | 4.795 | ug/l  | 96       |
| 95) Naphthalene            | 15.13 | 128  | 44337    | 4.007 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 16562    | 3.731 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

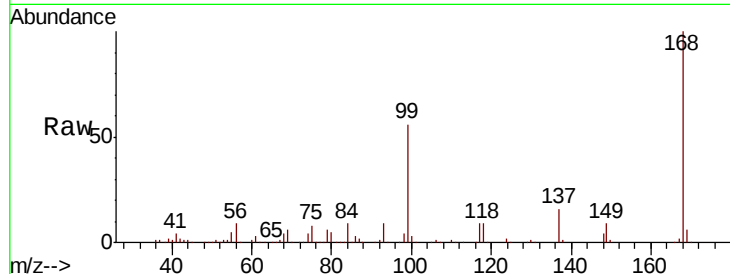
VSTDIC005

Tot Ion:168 Resp: 704824

Ion Ratio Lower Upper

168 100

99 54.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

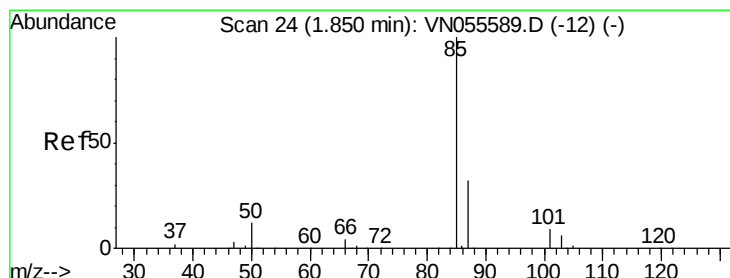
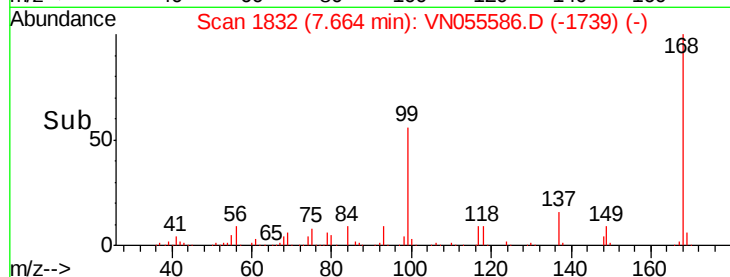
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.306 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055586.D

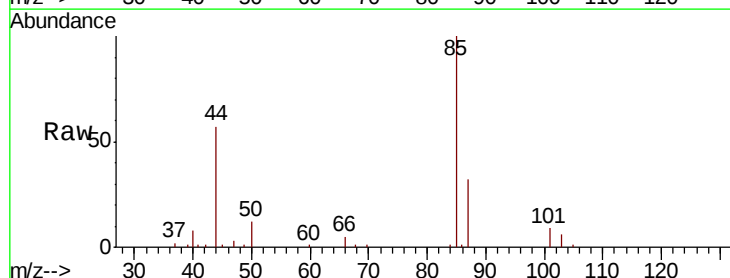
Acq: 14 May 2019 11:32

Tgt Ion: 85 Resp: 38184

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

30000

25000

20000

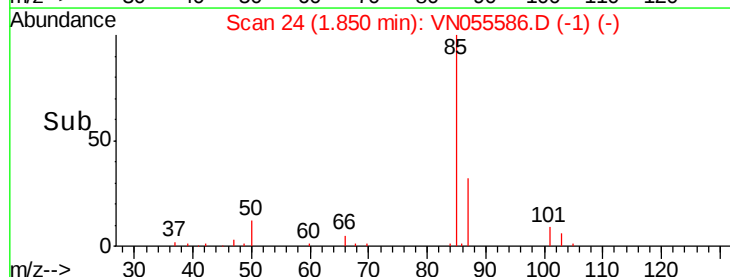
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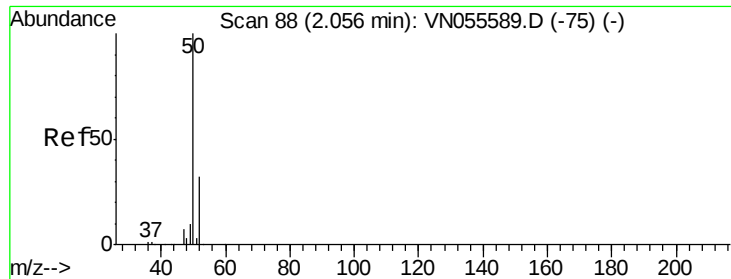
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.051 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

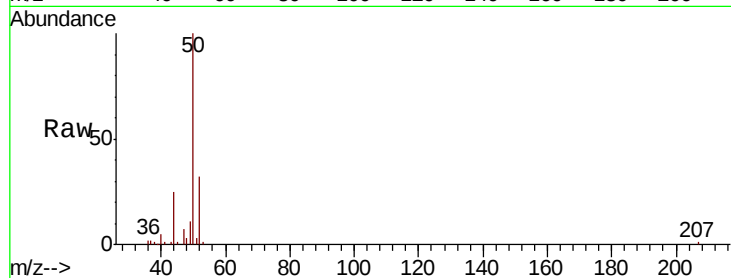
VSTDIC005

Tot Ion: 50 Resp: 58479

Ion Ratio Lower Upper

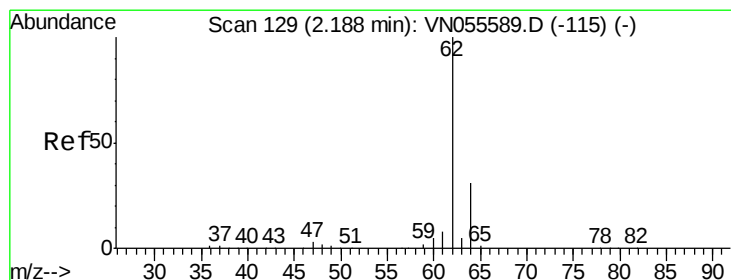
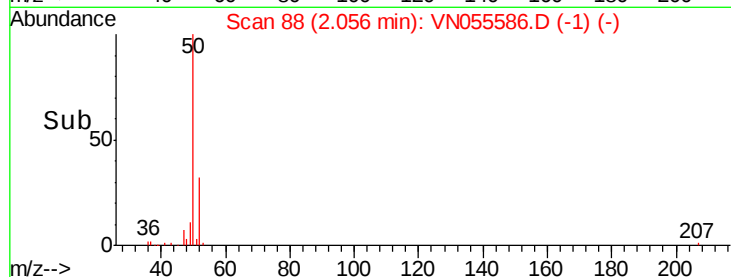
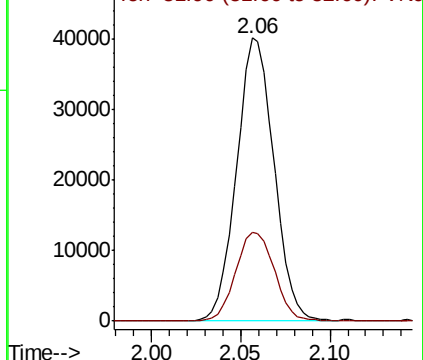
50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.142 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055586.D

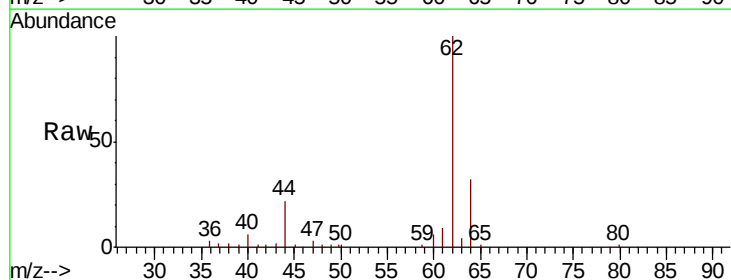
Acq: 14 May 2019 11:32

Tgt Ion: 62 Resp: 56606

Ion Ratio Lower Upper

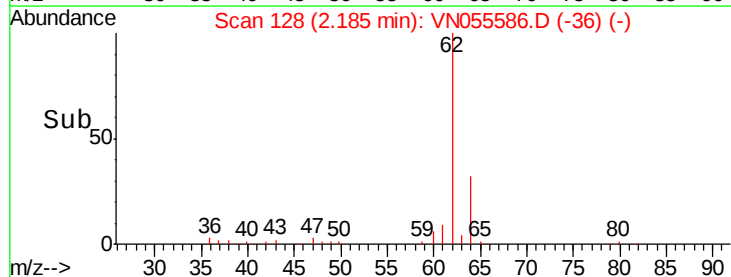
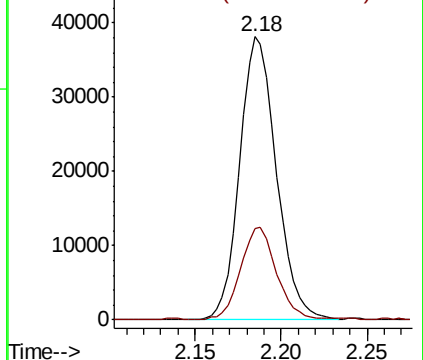
62 100

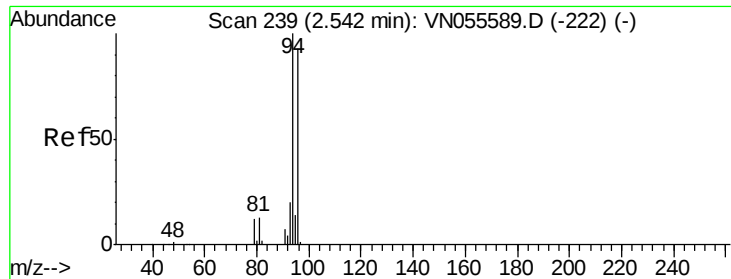
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.960 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

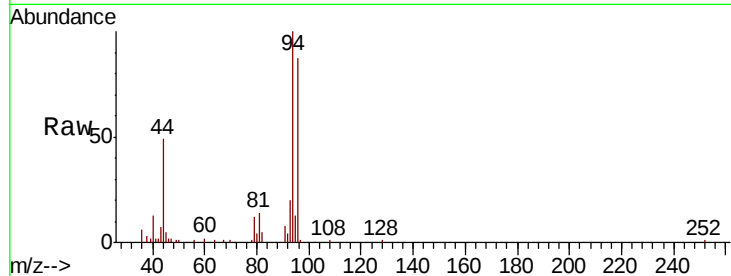
VSTDIC005

Tot Ion: 94 Resp: 36272

Ion Ratio Lower Upper

94 100

96 86.6 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

20000

15000

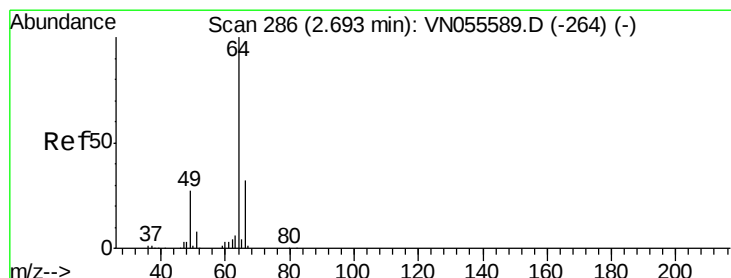
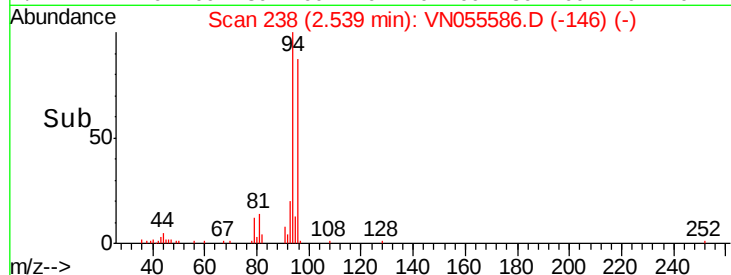
10000

5000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 5.421 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055586.D

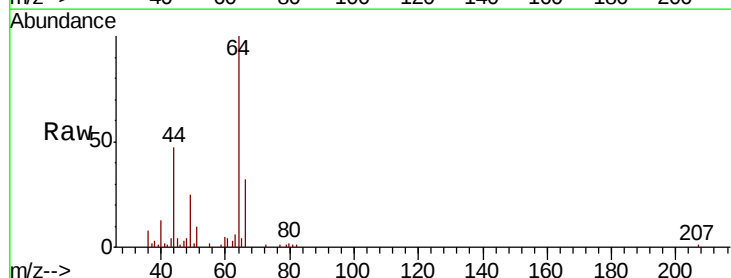
Acq: 14 May 2019 11:32

Tgt Ion: 64 Resp: 35080

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

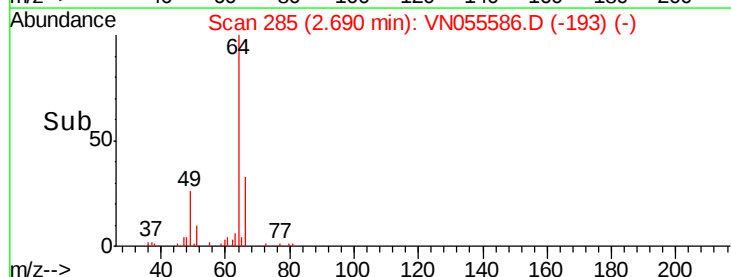
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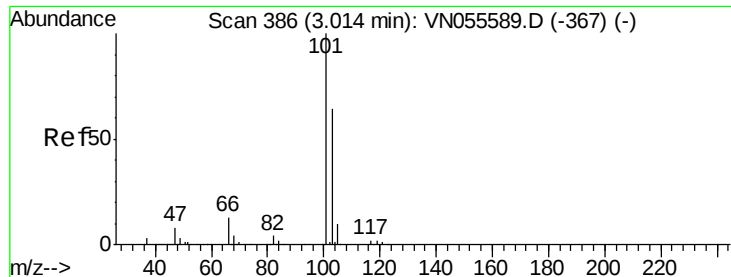
5000

0

2.60 2.65 2.70 2.75

Time-->



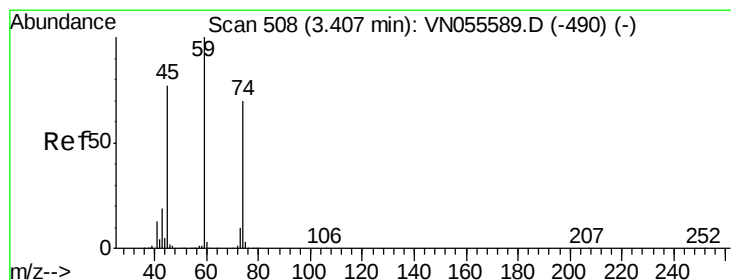
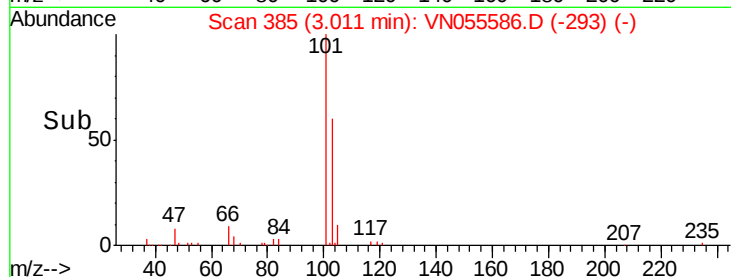
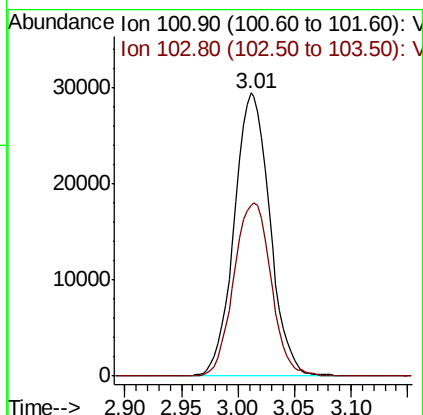
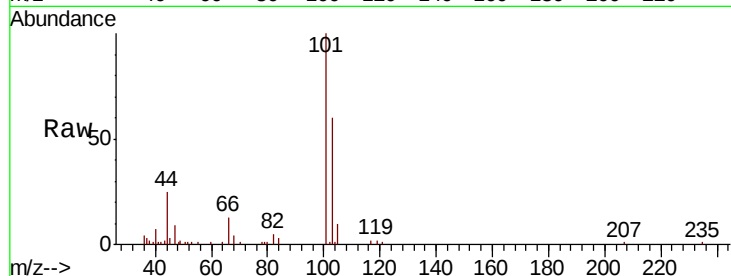


#7

Trichlorofluoromethane  
 Concen: 5.348 ug/l  
 RT: 3.01 min Scan# 385  
 Delta R.T. -0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

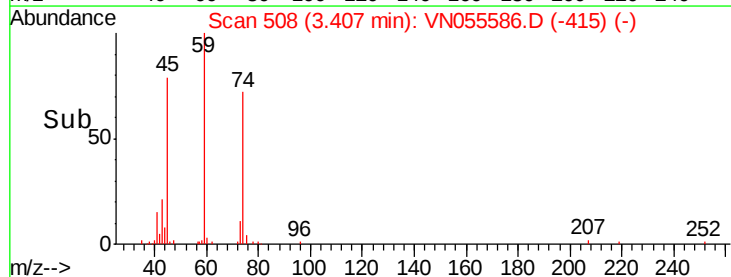
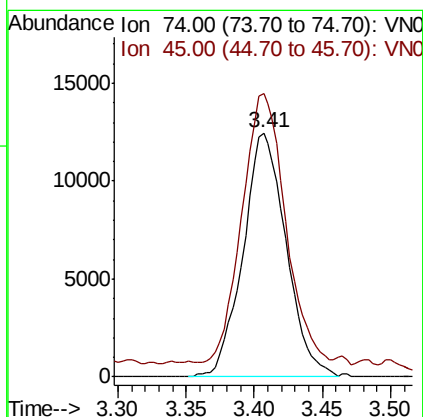
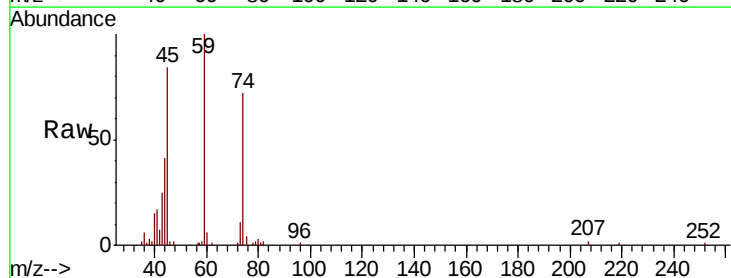
Tot Ion:101 Resp: 64654  
 Ion Ratio Lower Upper  
 101 100  
 103 60.4 51.0 76.6

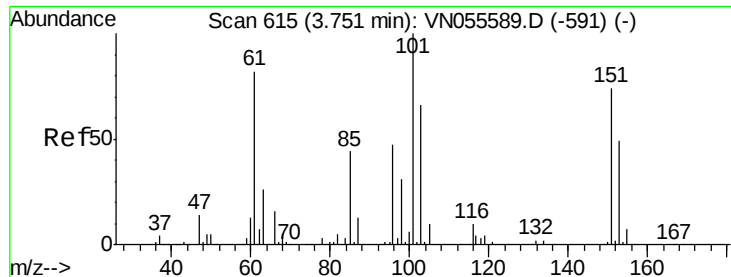


#8

Diethyl Ether  
 Concen: 5.030 ug/l  
 RT: 3.41 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion: 74 Resp: 27306  
 Ion Ratio Lower Upper  
 74 100  
 45 110.4 54.9 164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.180 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

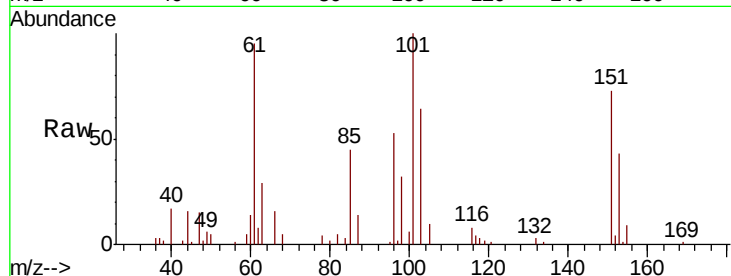
Tot Ion:101 Resp: 39861

Ion Ratio Lower Upper

101 100

85 44.7 34.2 51.2

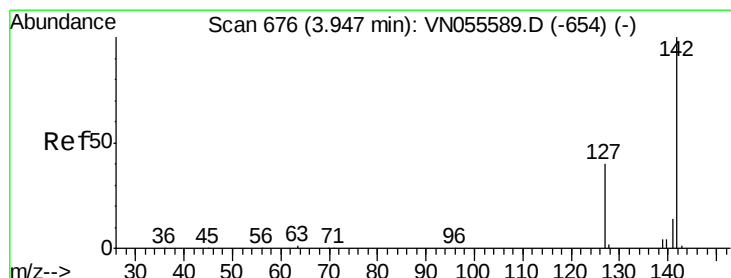
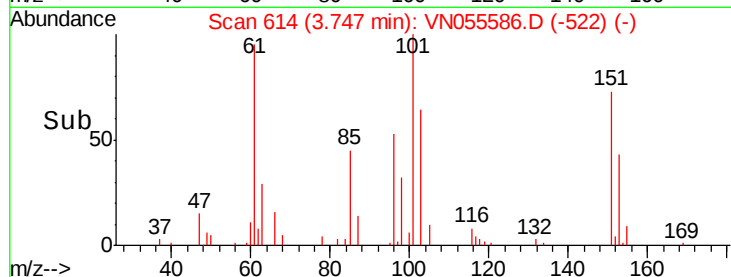
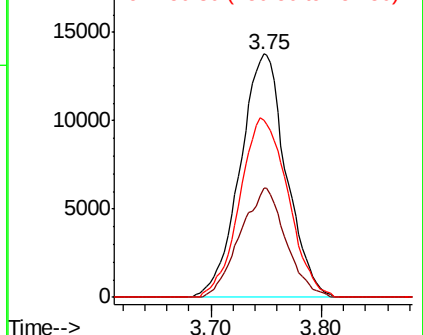
151 77.2 60.2 90.2



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: 4.096 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

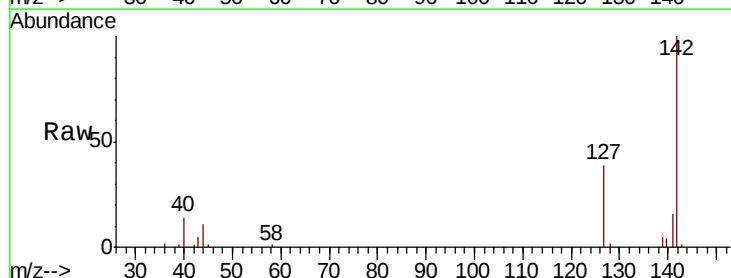
Tgt Ion:142 Resp: 42367

Ion Ratio Lower Upper

142 100

127 41.1 32.5 48.7

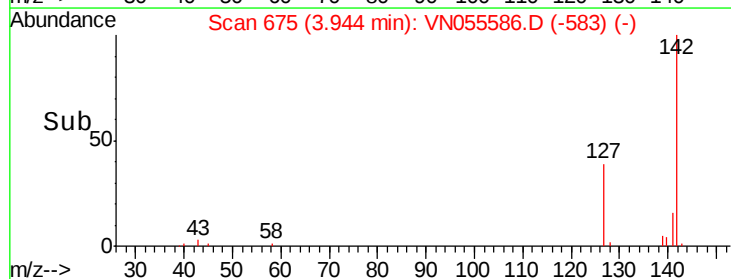
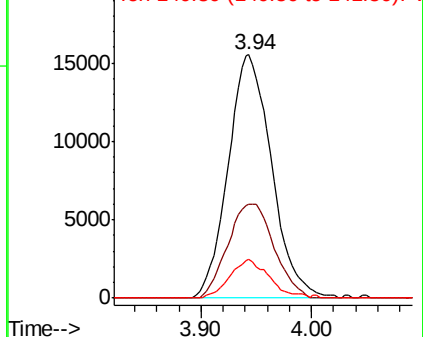
141 14.5 11.2 16.8

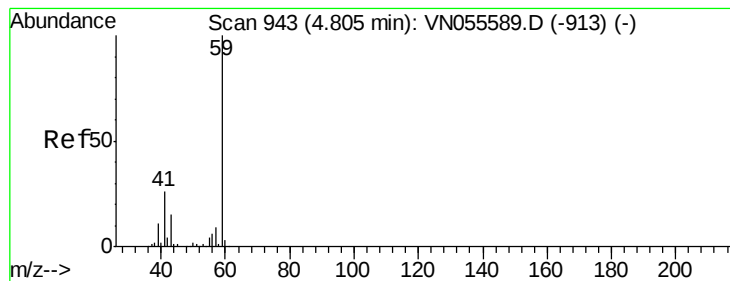


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



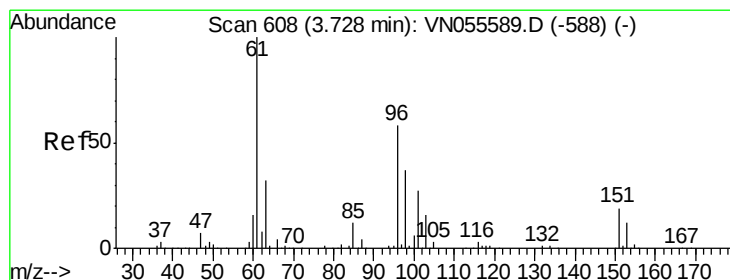
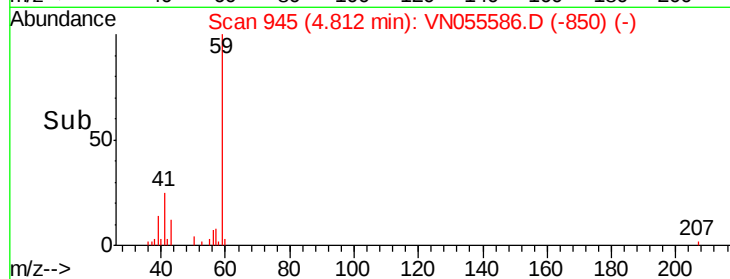
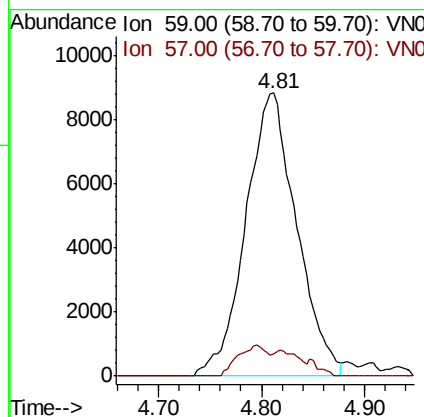
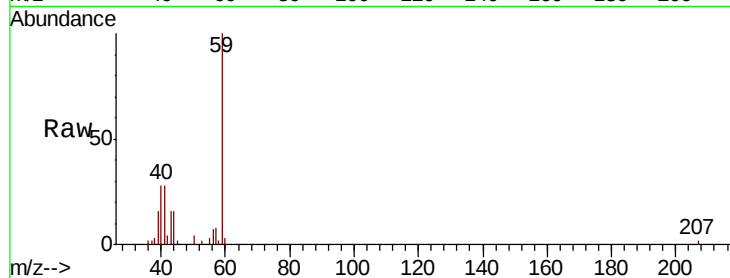


#11

Tert butyl alcohol  
Concen: 20.092 ug/l  
RT: 4.81 min Scan# 945  
Delta R.T. 0.01 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

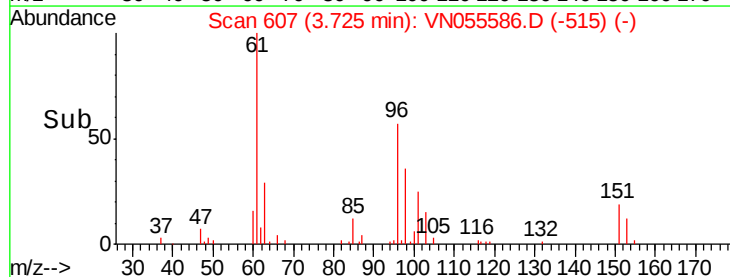
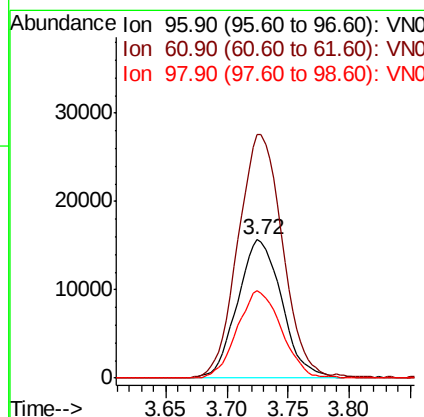
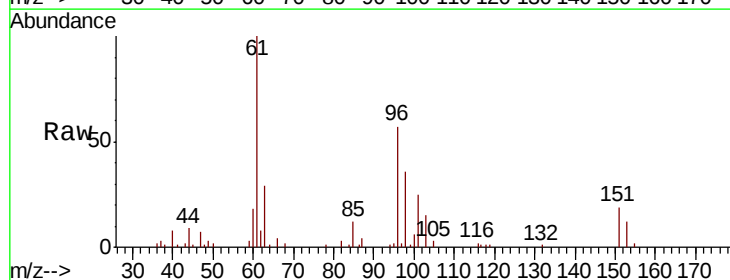
Tot Ion: 59 Resp: 30227  
Ion Ratio Lower Upper  
59 100  
57 6.4 7.6 11.4#

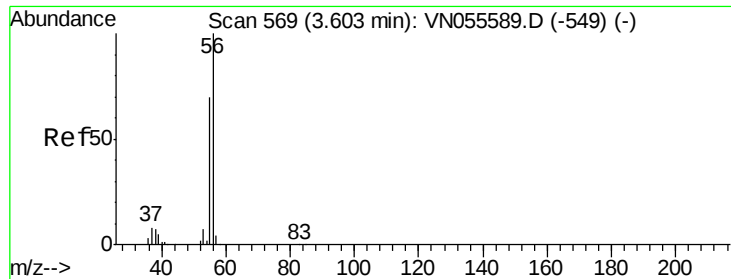


#12

1,1-Dichloroethene  
Concen: 5.090 ug/l  
RT: 3.72 min Scan# 607  
Delta R.T. -0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 96 Resp: 39283  
Ion Ratio Lower Upper  
96 100  
61 176.1 137.5 206.3  
98 63.3 50.3 75.5





#13

Acrolein

Concen: 33.320 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

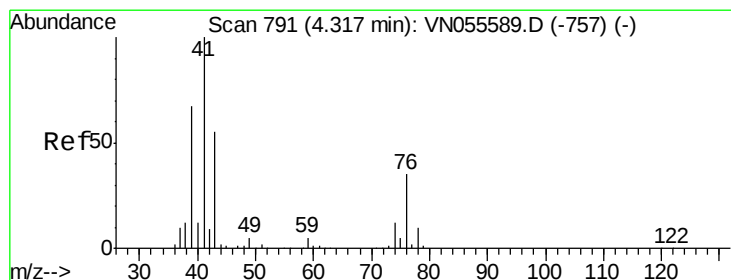
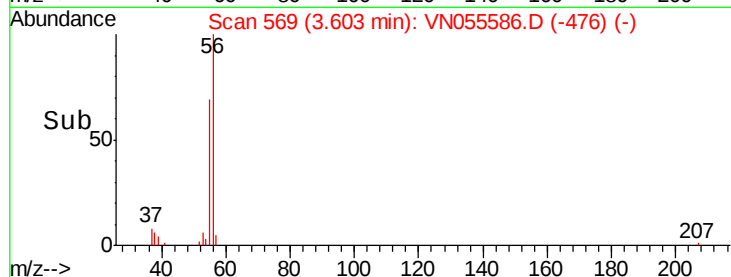
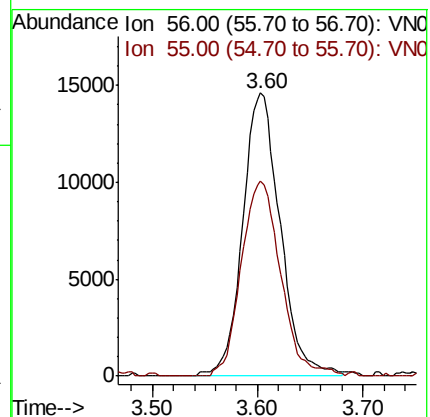
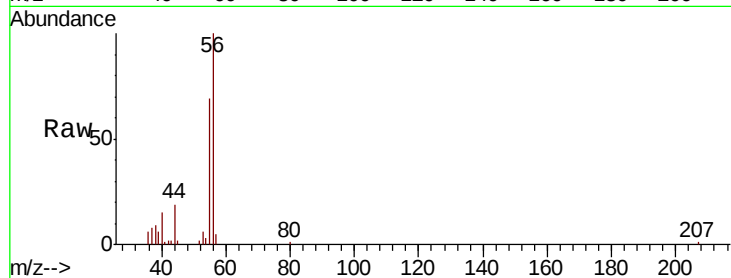
VSTDIC005

Tot Ion: 56 Resp: 36101

Ion Ratio Lower Upper

56 100

55 72.4 57.1 85.7



#14

Allyl chloride

Concen: 4.639 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

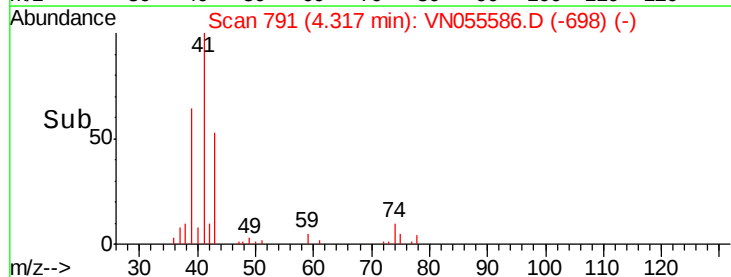
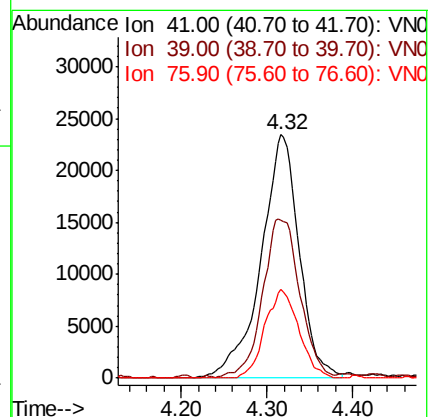
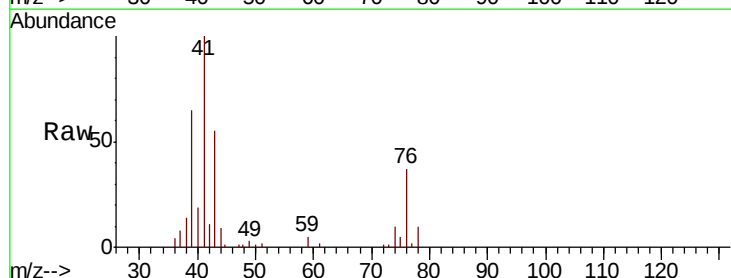
Tgt Ion: 41 Resp: 72391

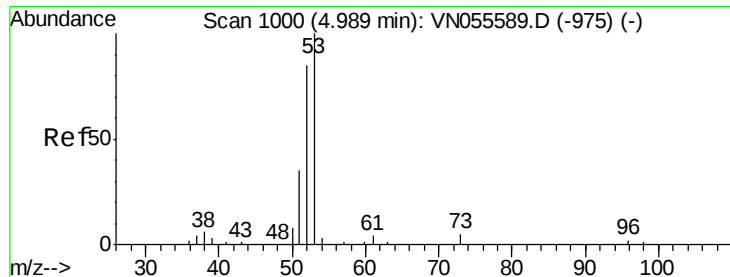
Ion Ratio Lower Upper

41 100

39 64.0 49.3 73.9

76 32.2 24.7 37.1





#15

Acrylonitrile

Concen: 22.776 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

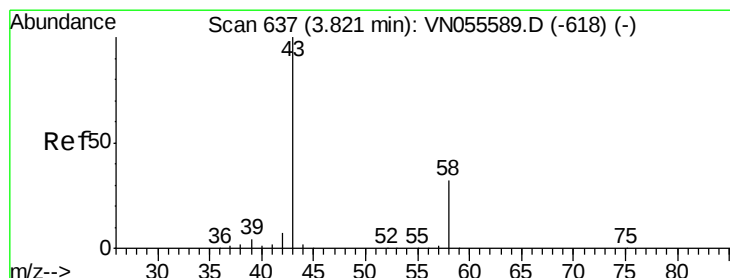
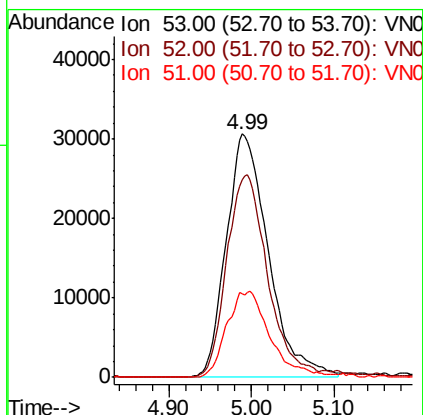
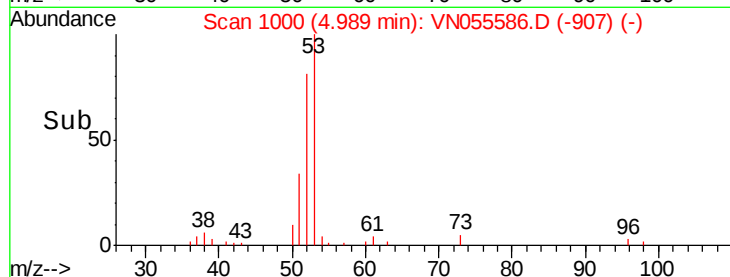
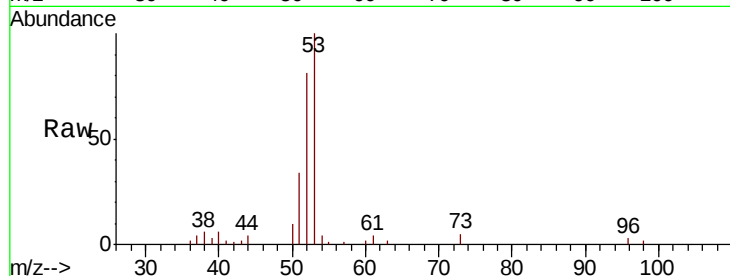
Tot Ion: 53 Resp: 108132

Ion Ratio Lower Upper

53 100

52 80.5 65.6 98.4

51 36.1 28.3 42.5



#16

Acetone

Concen: 21.728 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055586.D

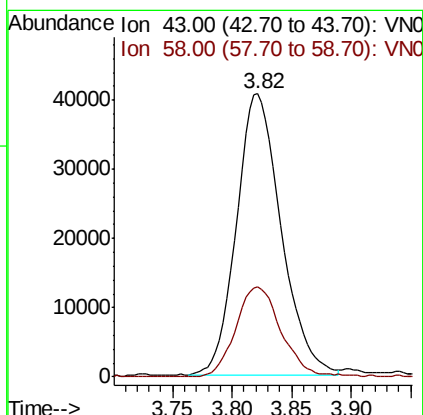
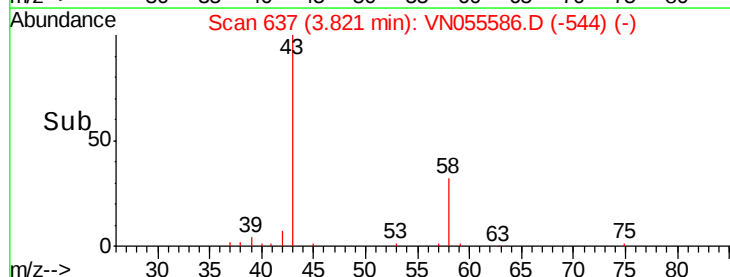
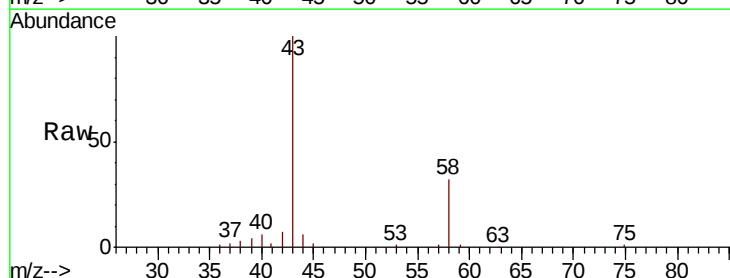
Acq: 14 May 2019 11:32

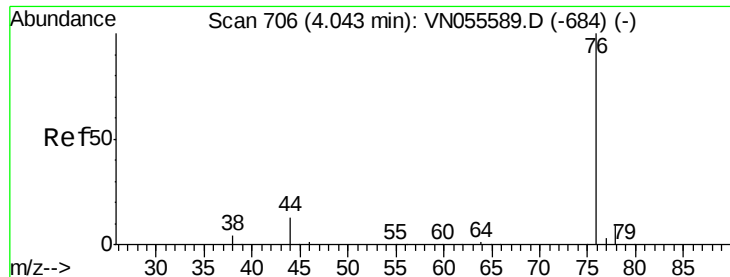
Tgt Ion: 43 Resp: 105440

Ion Ratio Lower Upper

43 100

58 31.9 25.7 38.5

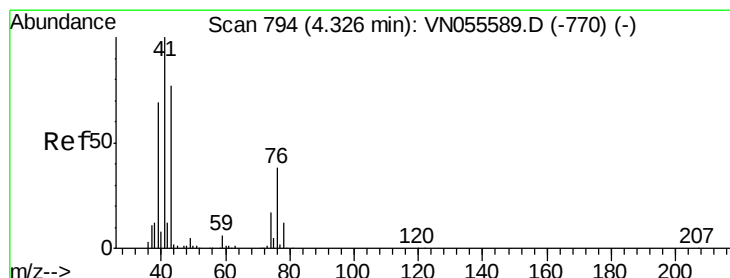
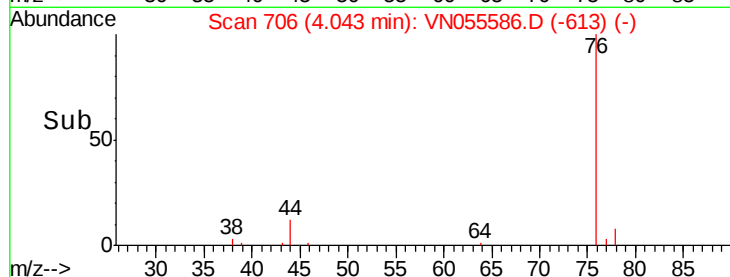
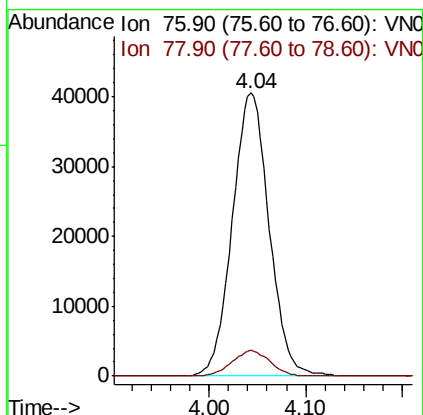
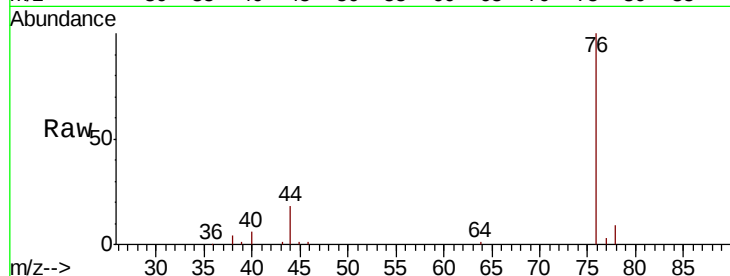




#17  
Carbon Disulfide  
Concen: 5.047 ug/l  
RT: 4.04 min Scan# 706  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

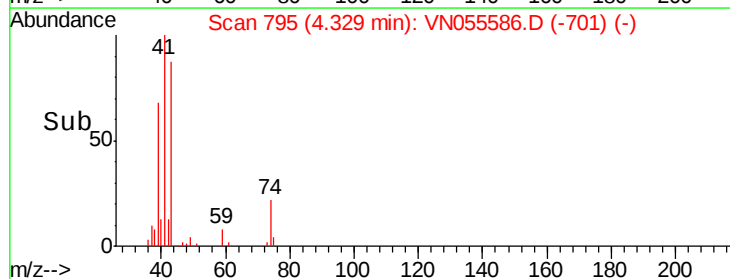
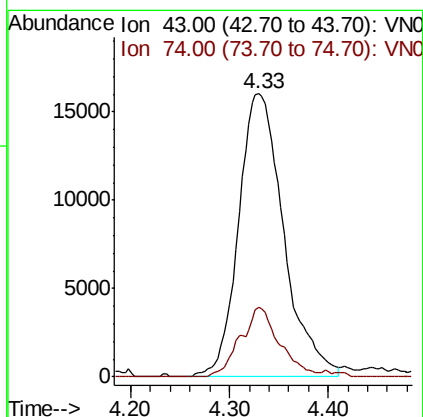
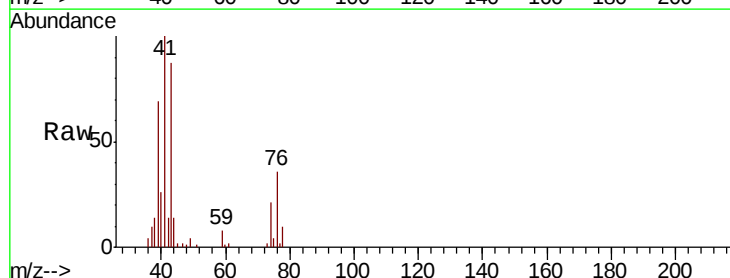
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

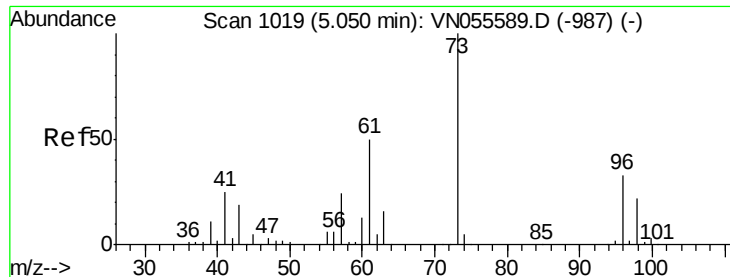
Tot Ion: 76 Resp: 106938  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0



#18  
Methyl Acetate  
Concen: 4.279 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 43 Resp: 50743  
Ion Ratio Lower Upper  
43 100  
74 21.1 17.4 26.2

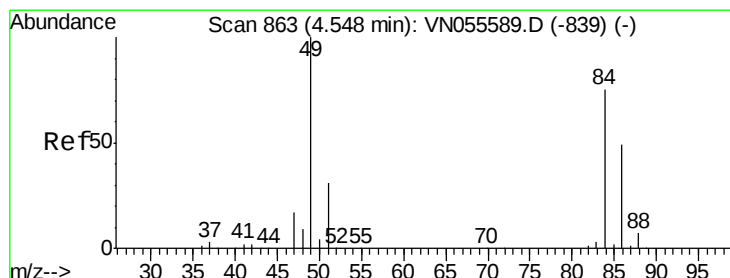
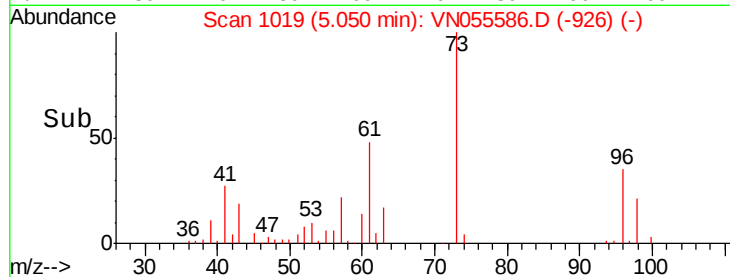
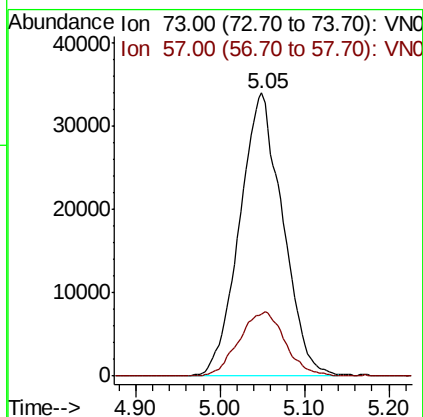
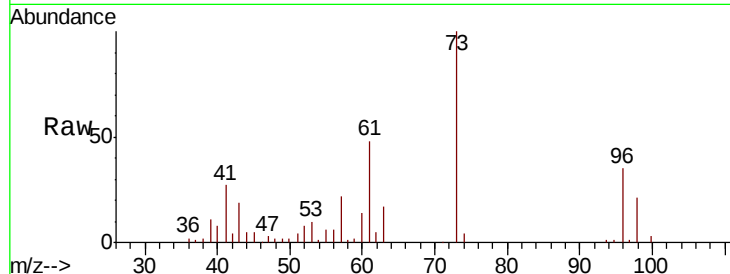




#19  
Methvl tert-butvl Ether  
Concen: 4.749 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

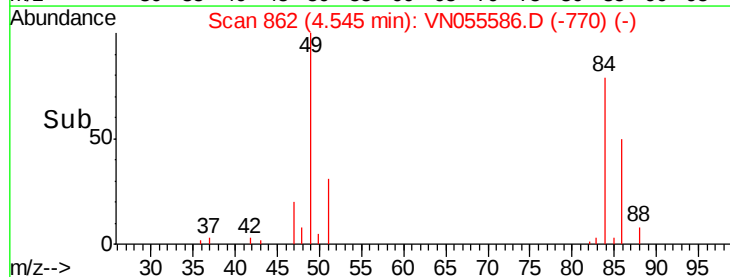
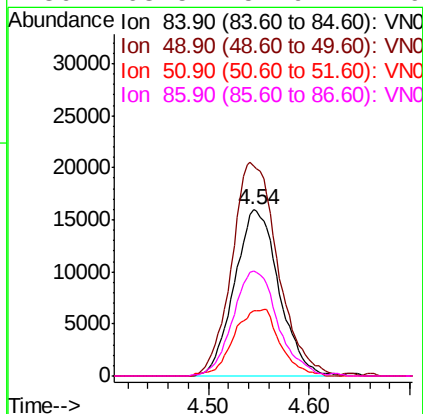
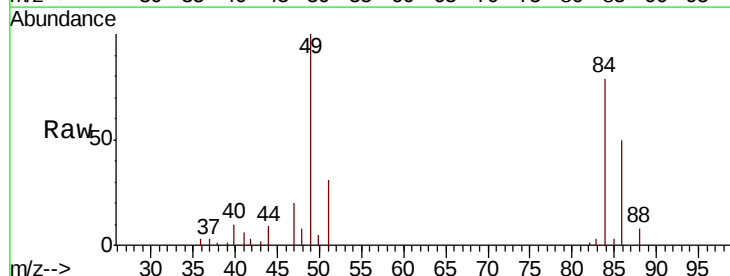
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

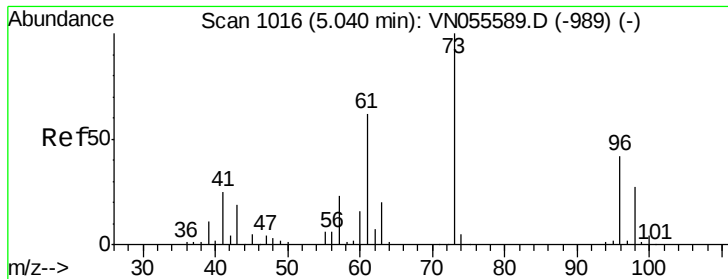
Tot Ion: 73 Resp: 120410  
Ion Ratio Lower Upper  
73 100  
57 21.9 18.9 28.3



#20  
Methylene Chloride  
Concen: 4.897 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. -0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 84 Resp: 48957  
Ion Ratio Lower Upper  
84 100  
49 126.3 106.2 159.2  
51 38.9 32.7 49.1  
86 63.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 5.068 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampled :

VSTDIC005

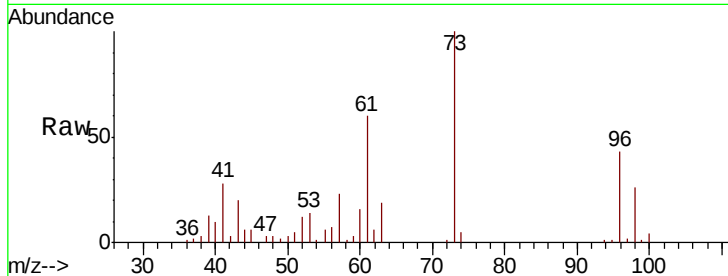
Tot Ion: 96 Resp: 42472

Ion Ratio Lower Upper

96 100

61 138.5 117.8 176.6

98 62.1 51.4 77.2

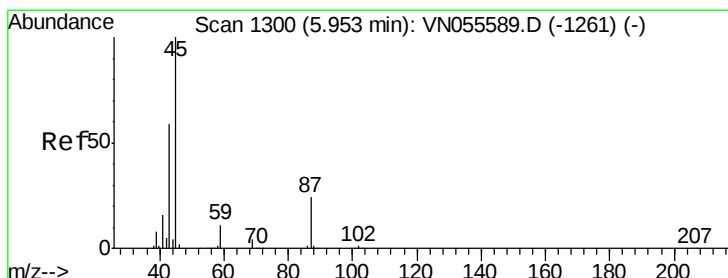
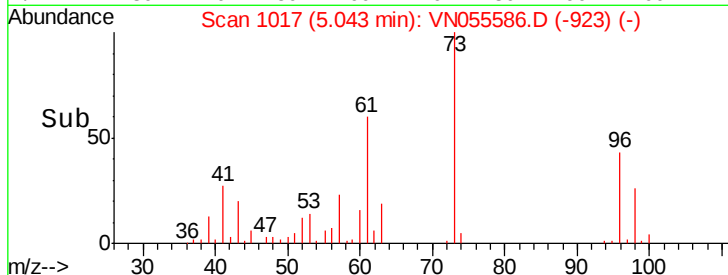
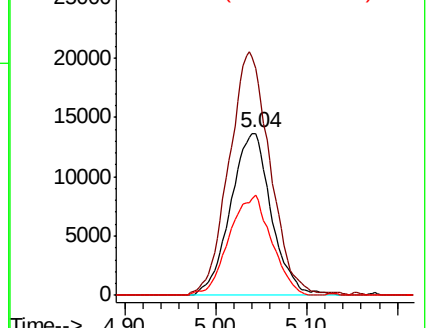


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 4.715 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion: 45 Resp: 149312

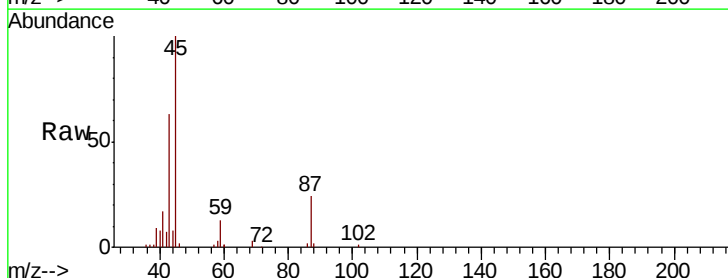
Ion Ratio Lower Upper

45 100

43 60.5 47.1 70.7

87 24.5 19.5 29.3

59 13.4 9.0 13.4



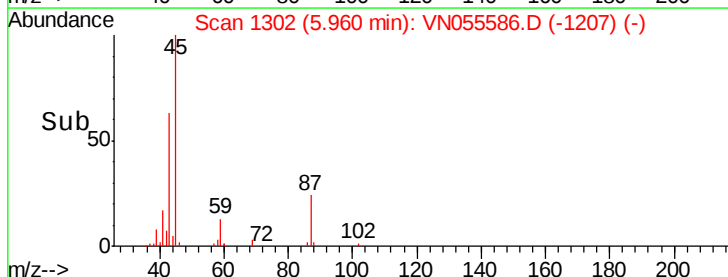
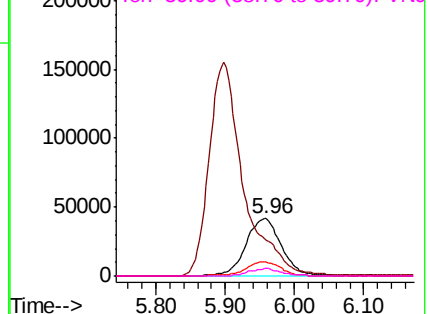
Abundance

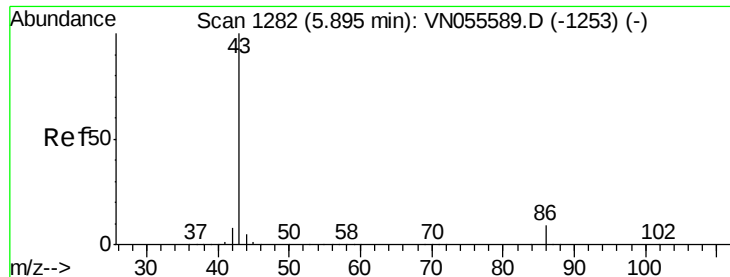
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

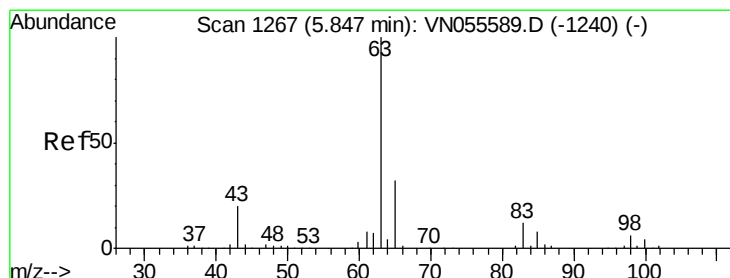
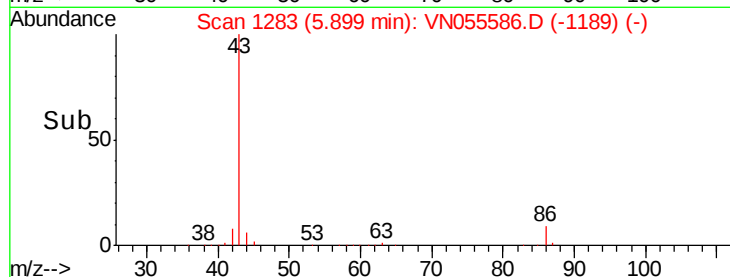
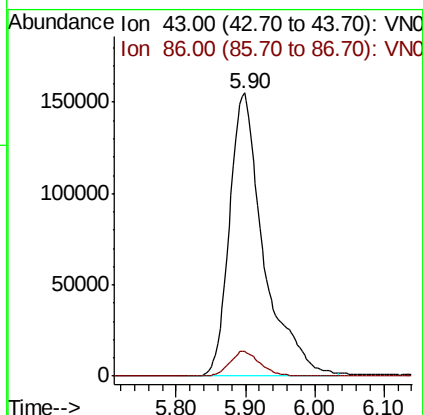
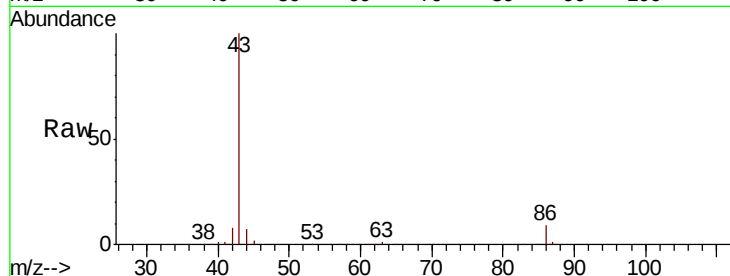




#23  
 Vinyl Acetate  
 Concen: 21.909 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

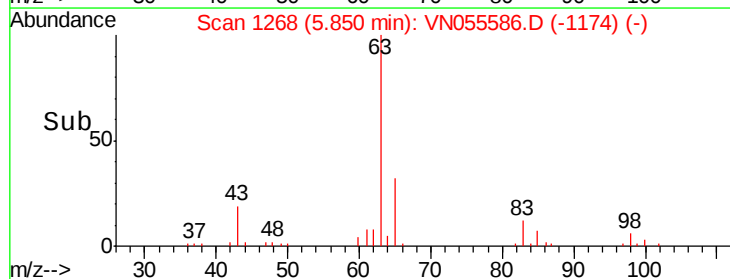
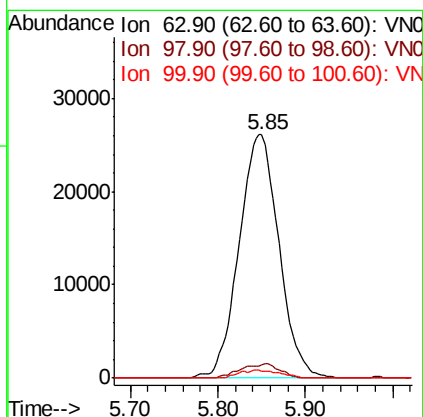
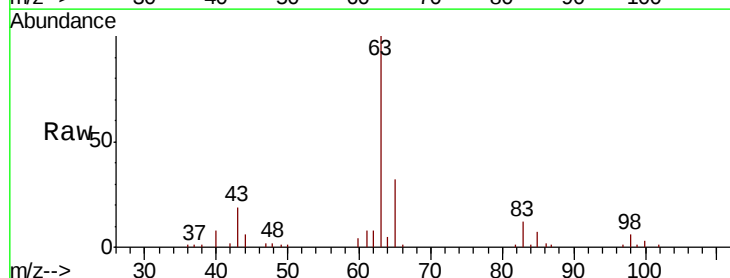
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

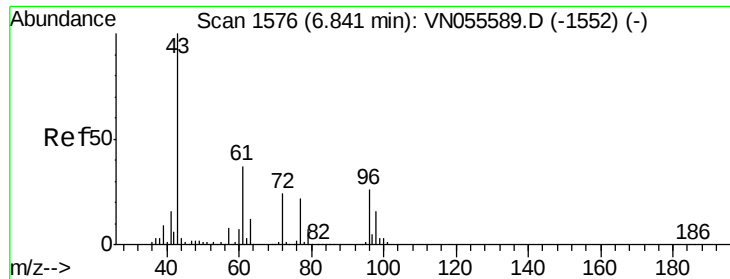
Tot Ion: 43 Resp: 533930  
 Ion Ratio Lower Upper  
 43 100  
 86 8.7 7.4 11.0



#24  
 1,1-Dichloroethane  
 Concen: 4.776 ug/l  
 RT: 5.85 min Scan# 1268  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion: 63 Resp: 82308  
 Ion Ratio Lower Upper  
 63 100  
 98 5.6 3.0 9.0  
 100 3.0 2.1 6.3

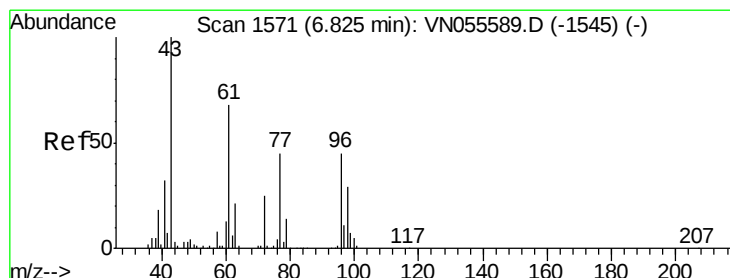
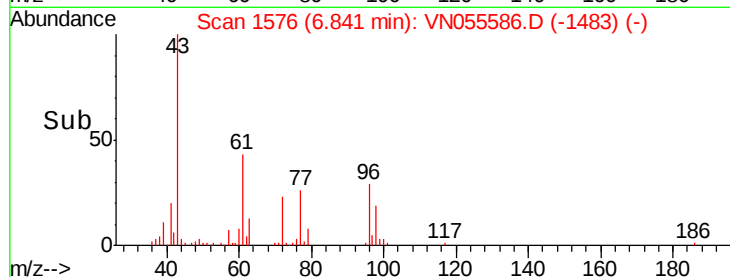
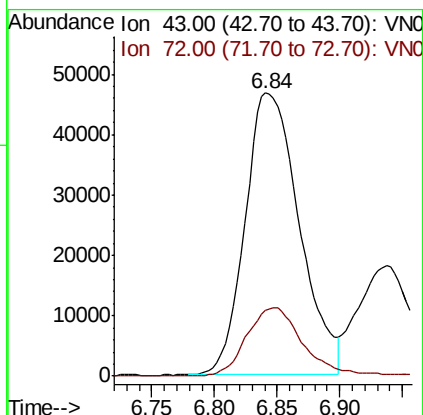
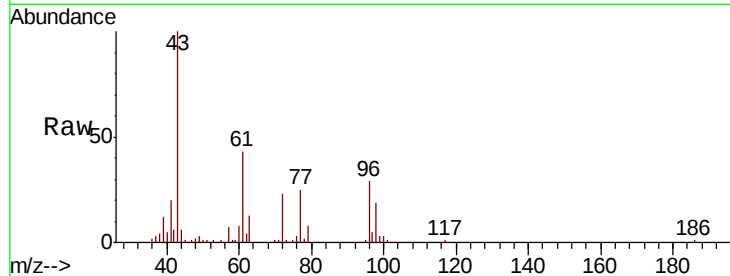




#25  
2-Butanone  
Concen: 21.327 ug/l  
RT: 6.84 min Scan# 1576  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

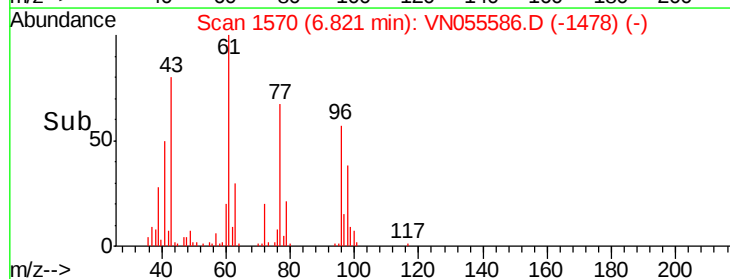
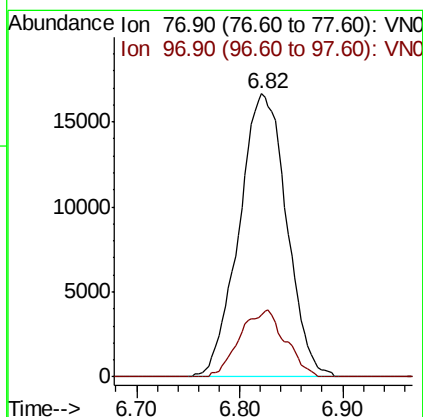
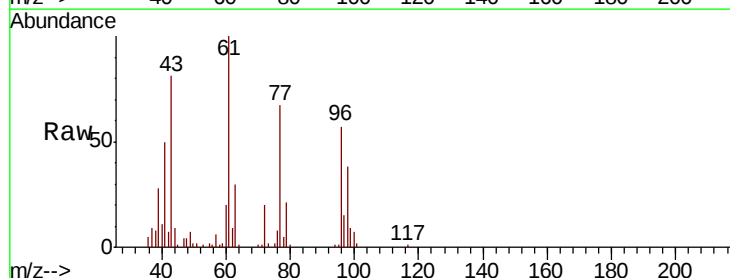
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

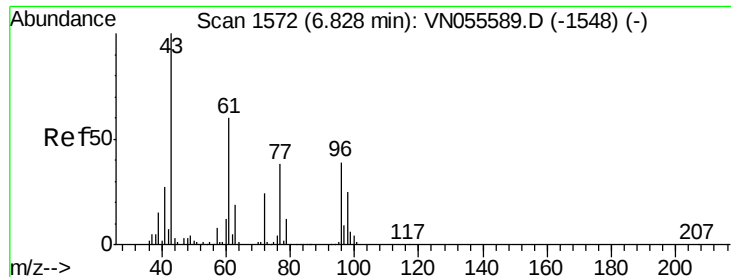
Tot Ion: 43 Resp: 140939  
Ion Ratio Lower Upper  
43 100  
72 23.2 19.5 29.3



#26  
2,2-Dichloropropane  
Concen: 4.972 ug/l  
RT: 6.82 min Scan# 1570  
Delta R.T. -0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 77 Resp: 53343  
Ion Ratio Lower Upper  
77 100  
97 22.6 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 5.011 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

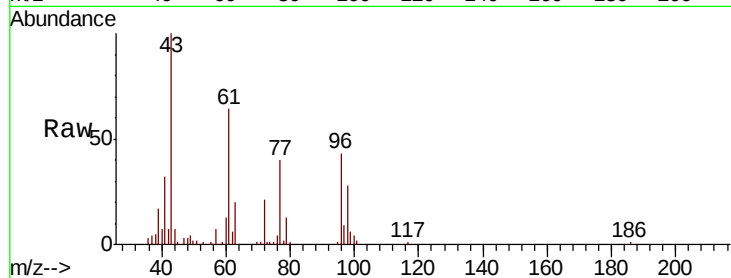
Tot Ion: 96 Resp: 48278

Ion Ratio Lower Upper

96 100

61 155.2 0.0 305.0

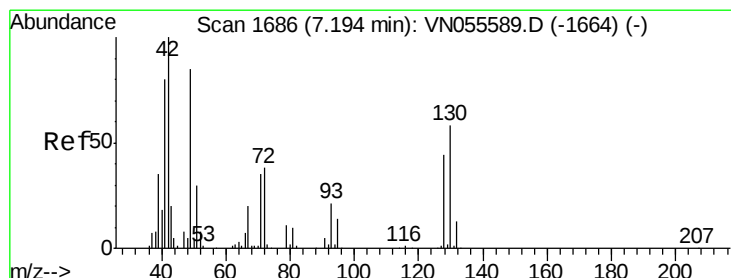
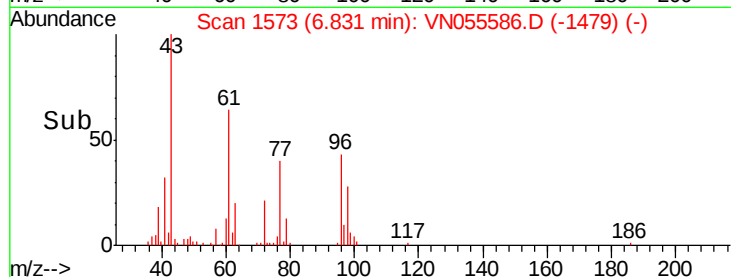
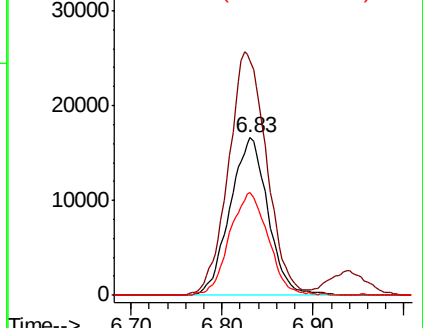
98 65.9 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 4.405 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

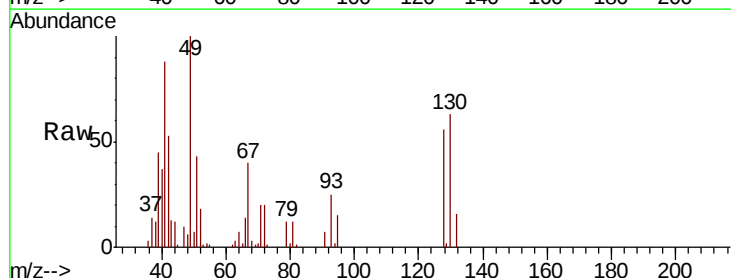
Tgt Ion: 49 Resp: 38831

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.6

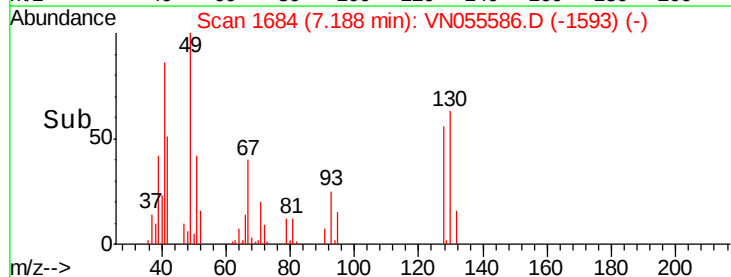
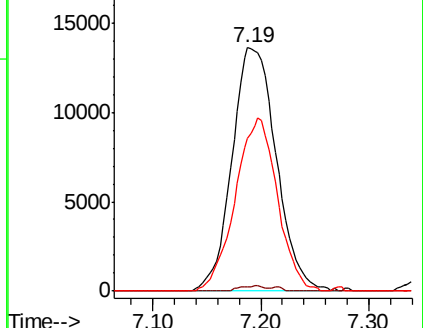
130 67.5 52.4 78.6

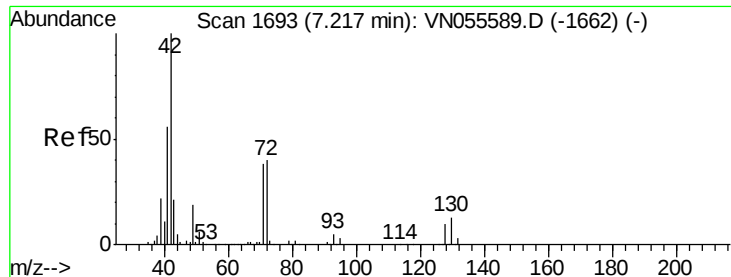


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

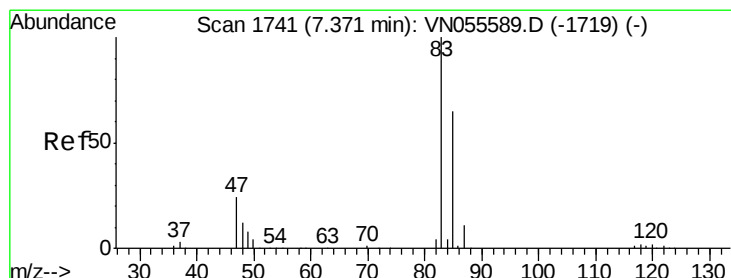
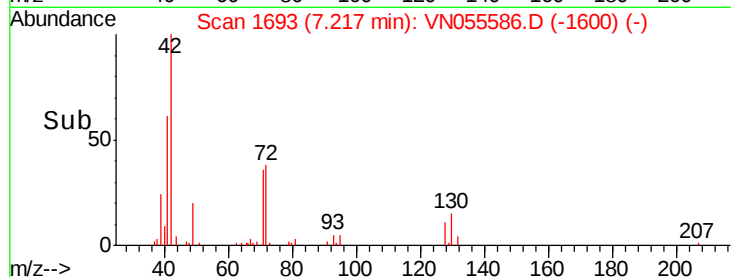
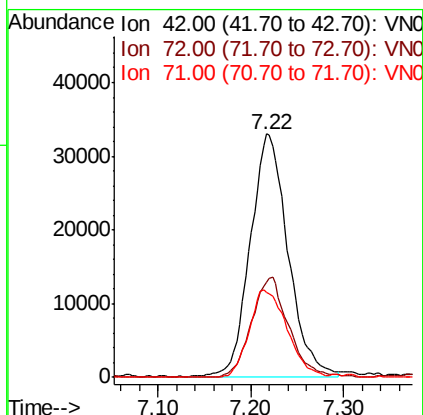
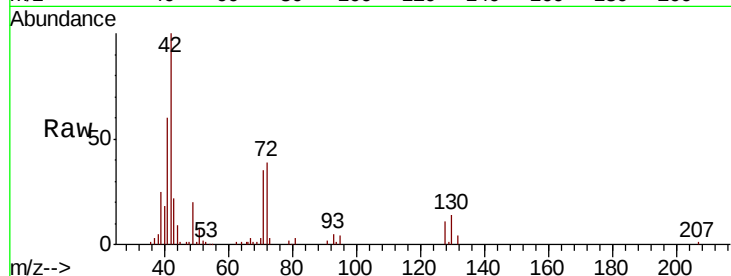




#29  
Tetrahydrofuran  
Concen: 21.515 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

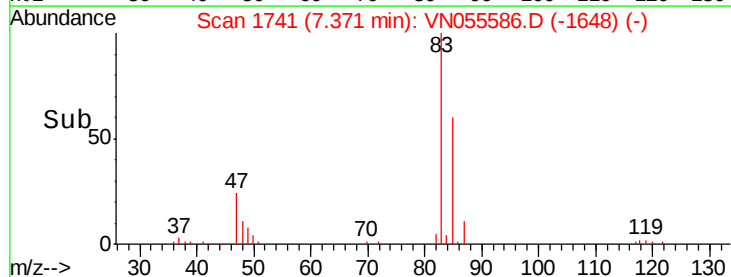
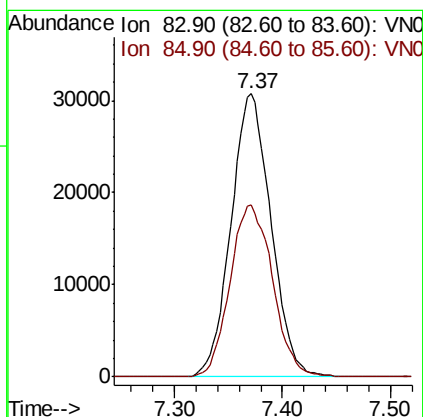
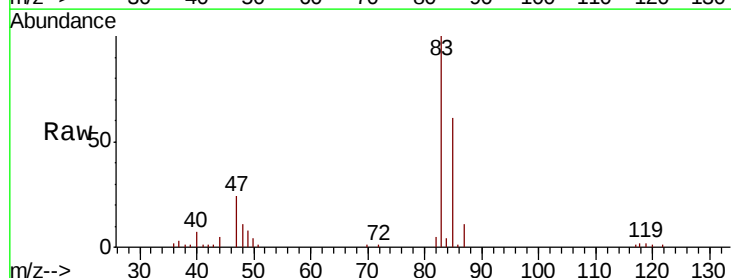
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

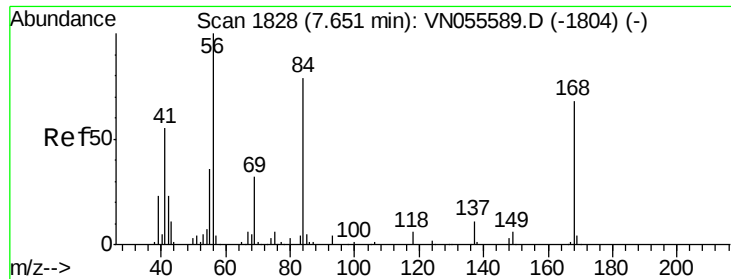
Tot Ion: 42 Resp: 94077  
Ion Ratio Lower Upper  
42 100  
72 40.2 31.4 47.2  
71 35.8 29.9 44.9



#30  
Chloroform  
Concen: 4.973 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 83 Resp: 79130  
Ion Ratio Lower Upper  
83 100  
85 60.7 51.9 77.9

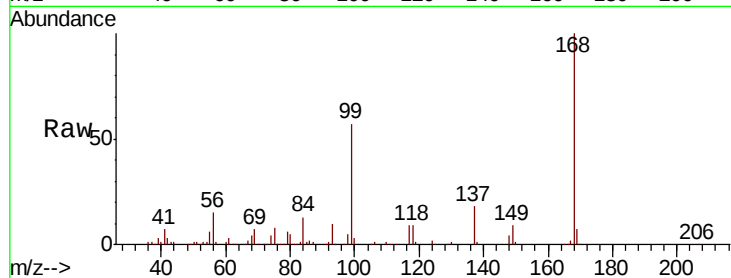




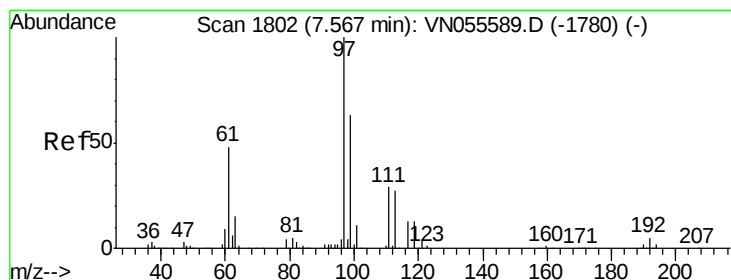
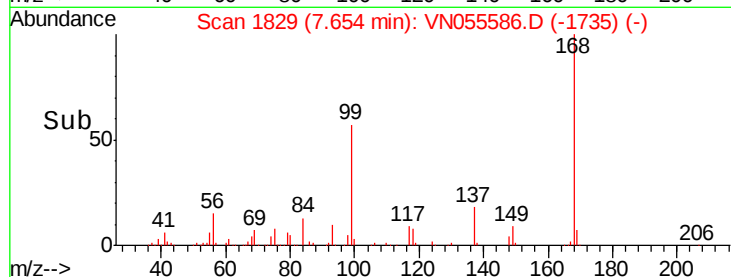
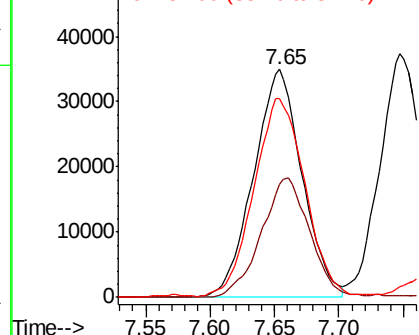
#31  
Cyclohexane  
Concen: 5.366 ug/l  
RT: 7.65 min Scan# 1829  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion: 56 Resp: 91554  
Ion Ratio Lower Upper  
56 100  
69 49.4 25.7 38.5#  
84 86.2 63.4 95.0

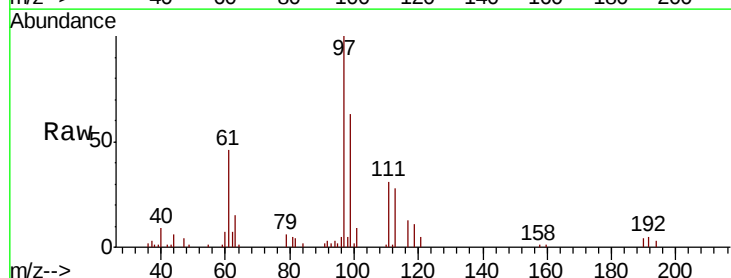


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

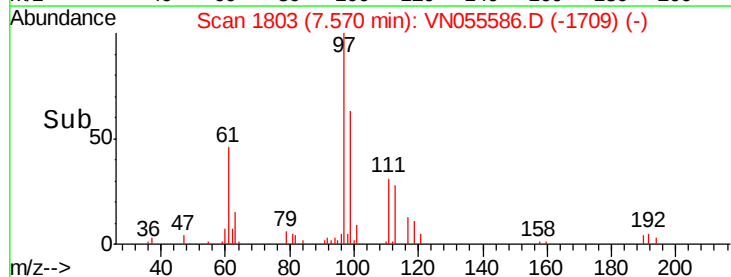
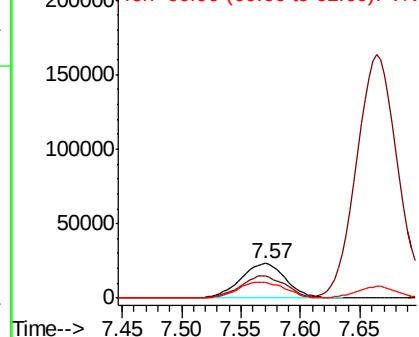


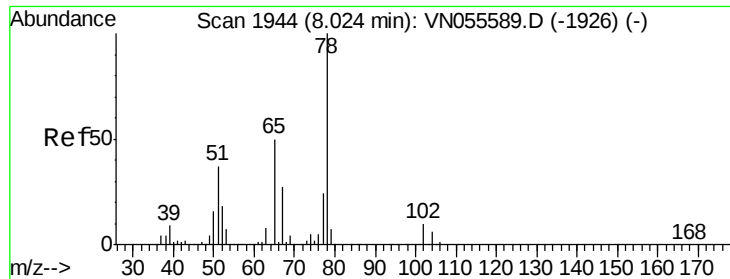
#32  
1,1,1-Trichloroethane  
Concen: 5.027 ug/l  
RT: 7.57 min Scan# 1803  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 97 Resp: 61116  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.8 76.2  
61 48.2 38.7 58.1



Abundance Ion 96.90 (96.60 to 97.60): VN0  
Ion 98.90 (98.60 to 99.60): VN0  
Ion 60.90 (60.60 to 61.60): VN0

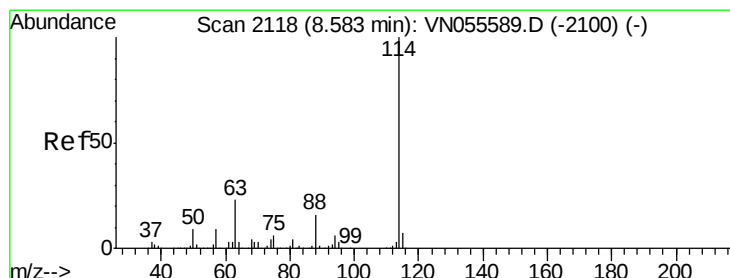
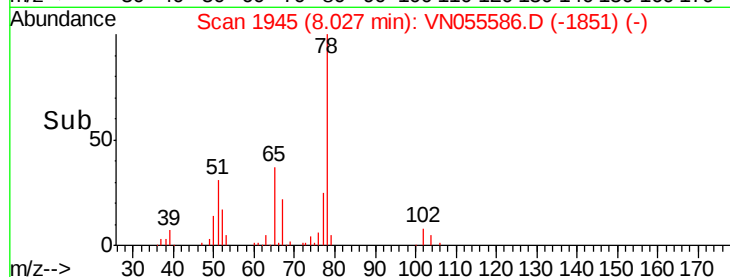
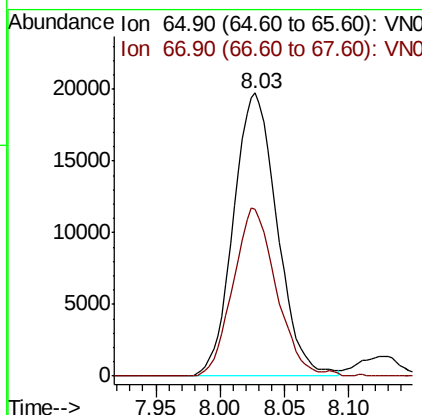
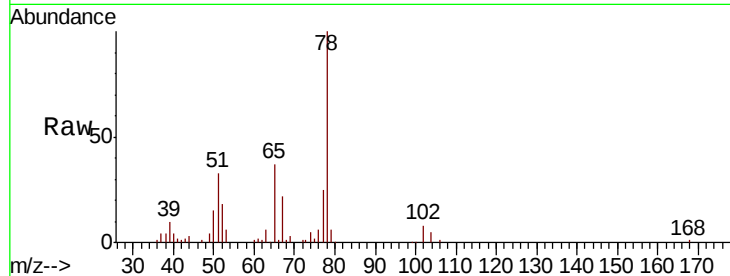




#33  
 1,2-Dichloroethane-d4  
 Concen: 4.421 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

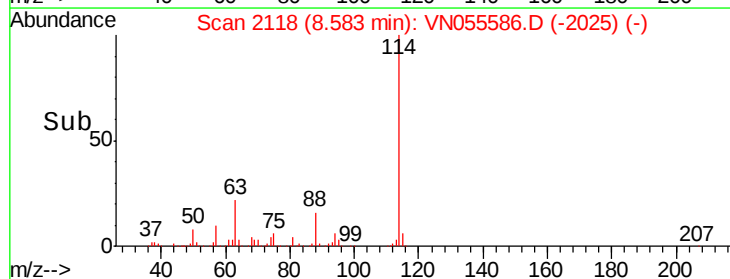
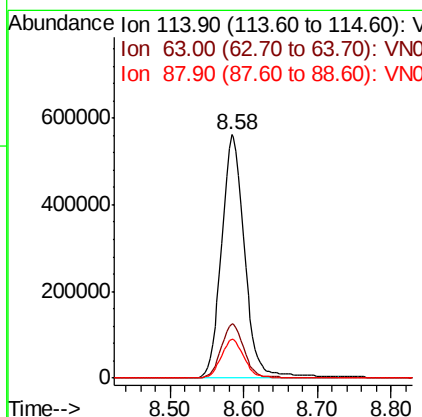
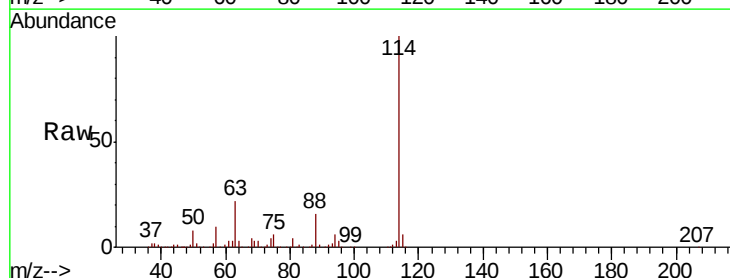
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

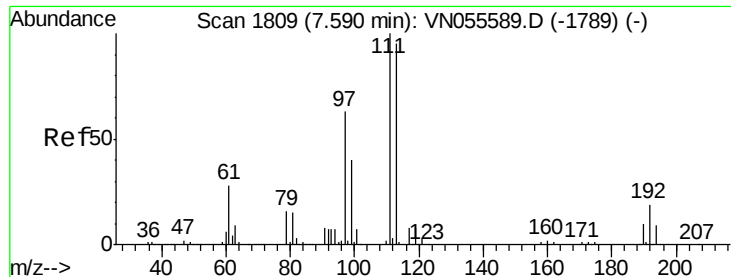
Tot Ion: 65 Resp: 46562  
 Ion Ratio Lower Upper  
 65 100  
 67 58.3 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion: 114 Resp: 1227658  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 45.8  
 88 16.1 0.0 32.6

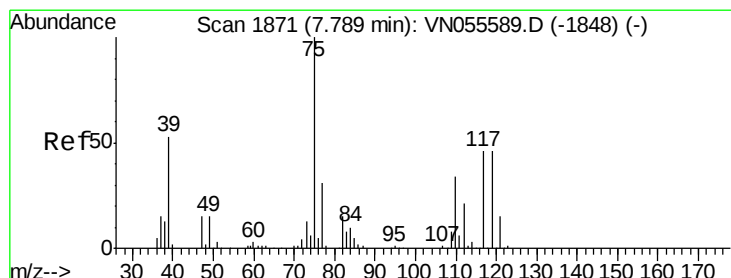
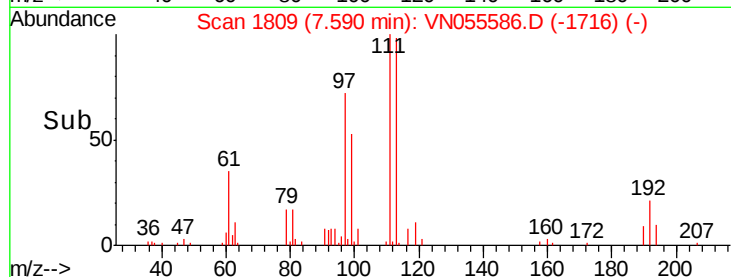
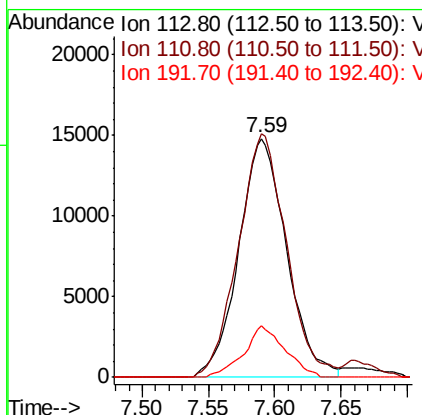
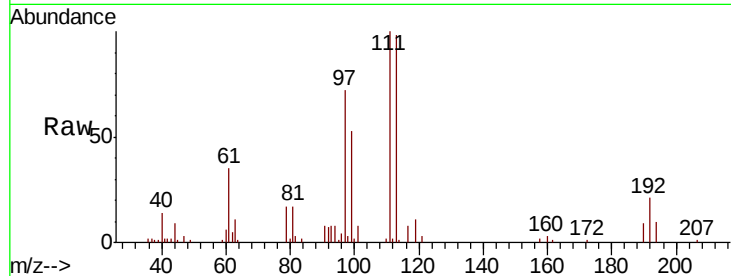




#35  
 Dibromofluoromethane  
 Concen: 4.685 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

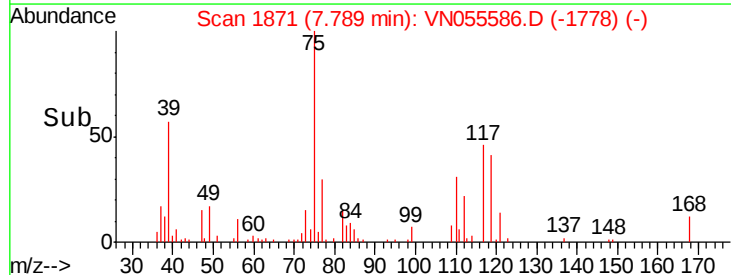
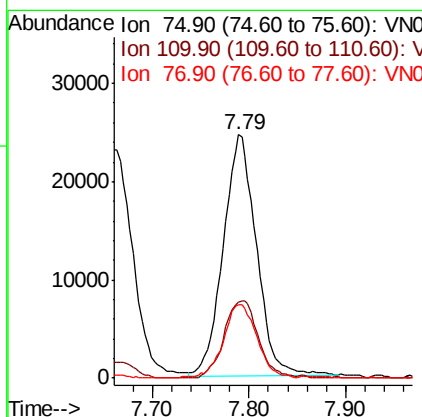
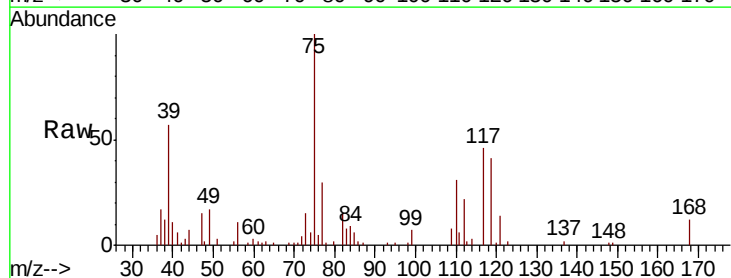
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

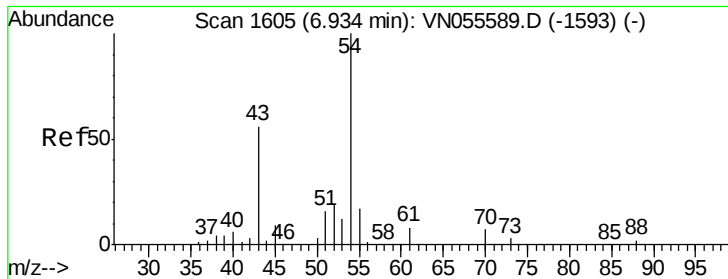
Tot Ion:113 Resp: 37144  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 83.5 125.3  
 192 18.5 16.0 24.0



#36  
 1,1-Dichloropropene  
 Concen: 4.872 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion: 75 Resp: 58613  
 Ion Ratio Lower Upper  
 75 100  
 110 33.0 16.9 50.7  
 77 30.8 24.9 37.3

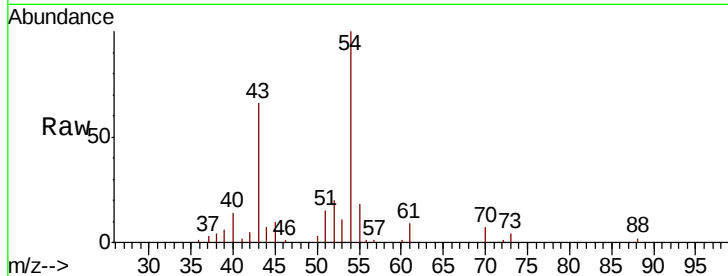




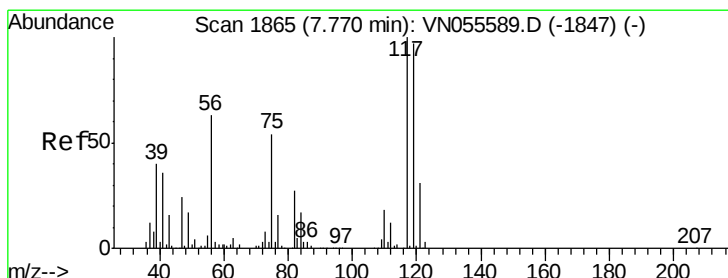
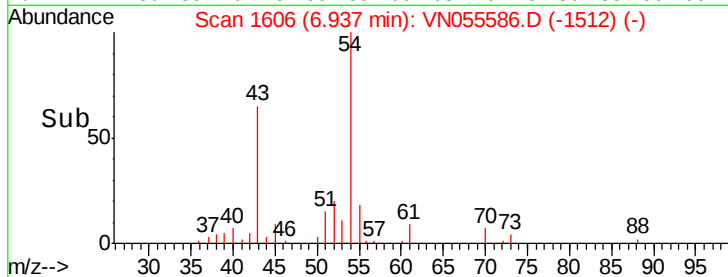
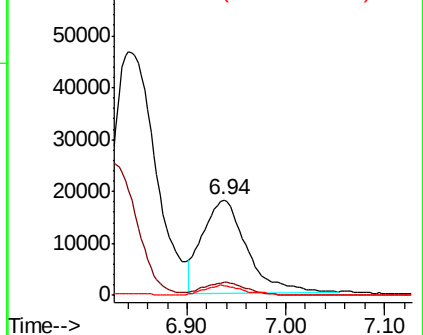
#37  
Ethyl Acetate  
Concen: 4.339 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion: 43 Resp: 55830  
Ion Ratio Lower Upper  
43 100  
61 13.7 10.8 16.2  
70 9.8 7.4 11.2

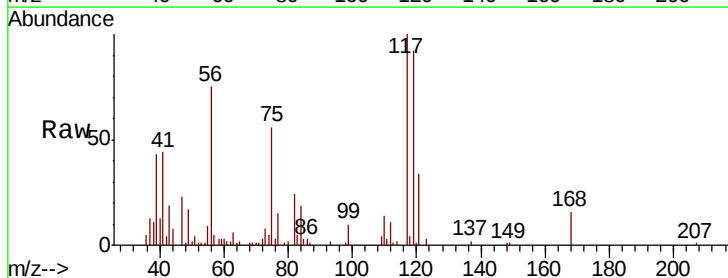


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

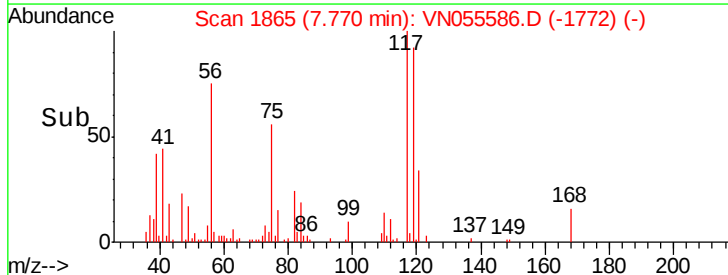
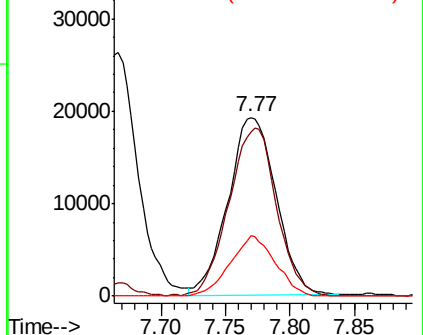


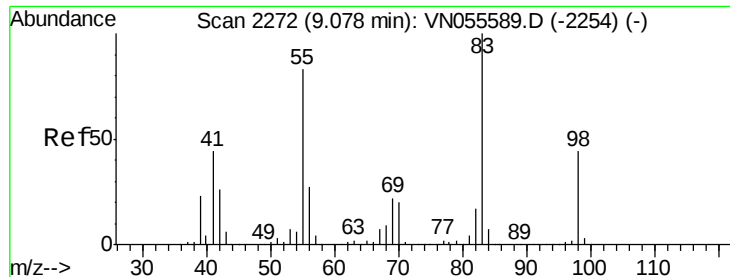
#38  
Carbon Tetrachloride  
Concen: 4.890 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 117 Resp: 49822  
Ion Ratio Lower Upper  
117 100  
119 92.3 77.1 115.7  
121 33.9 24.4 36.6



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

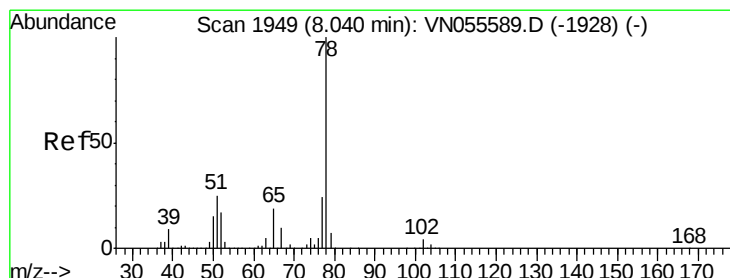
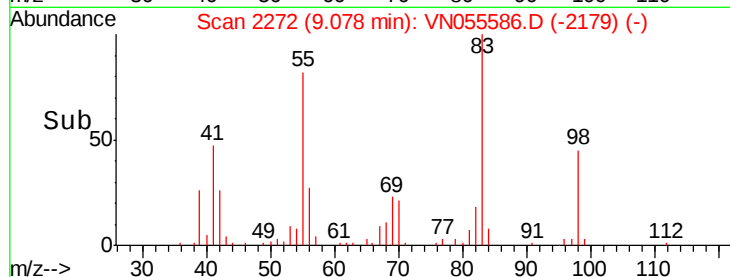
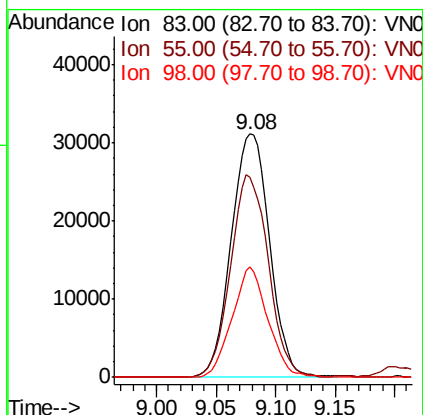
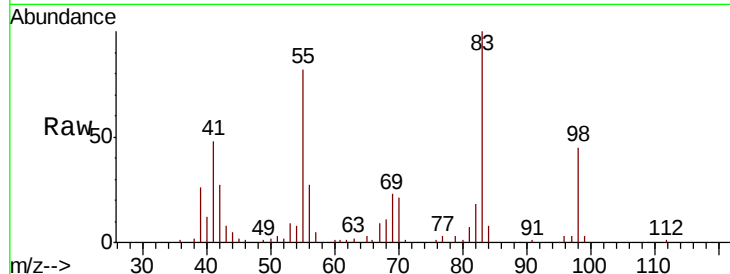




#39  
Methvlcvclohexane  
Concen: 4.763 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

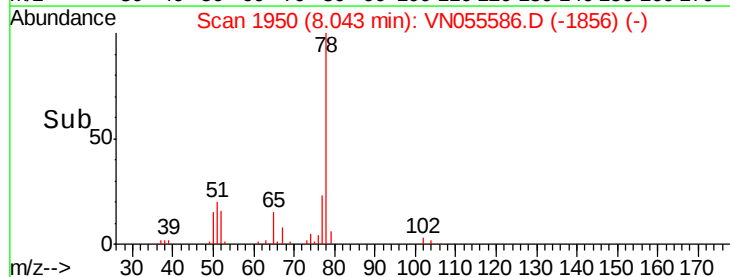
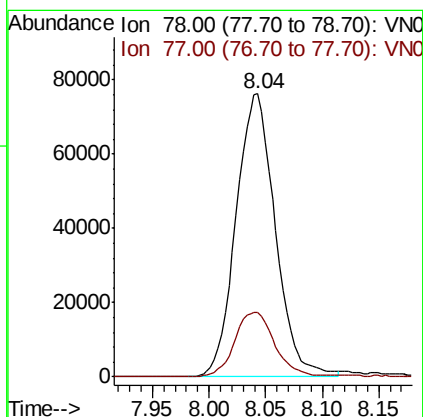
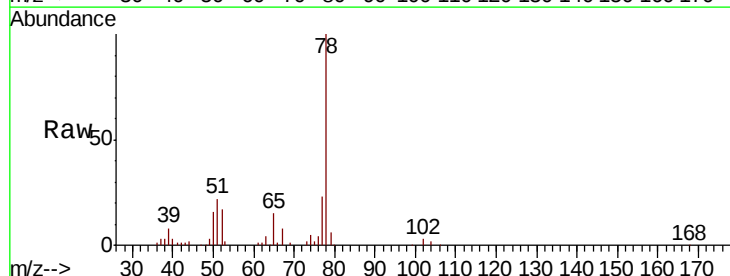
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

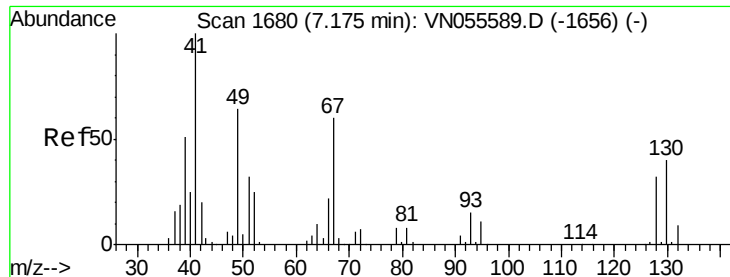
Tot Ion: 83 Resp: 69824  
Ion Ratio Lower Upper  
83 100  
55 82.1 66.3 99.5  
98 45.3 34.8 52.2



#40  
Benzene  
Concen: 4.940 ug/l  
RT: 8.04 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 78 Resp: 184249  
Ion Ratio Lower Upper  
78 100  
77 22.6 18.9 28.3

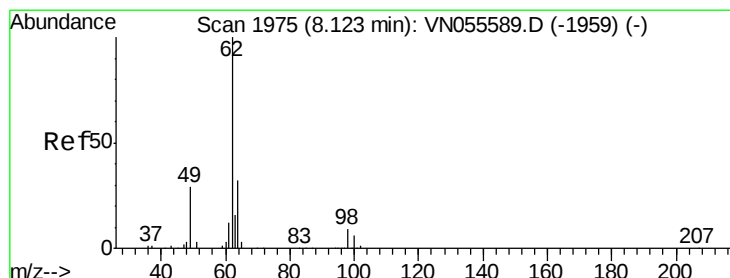
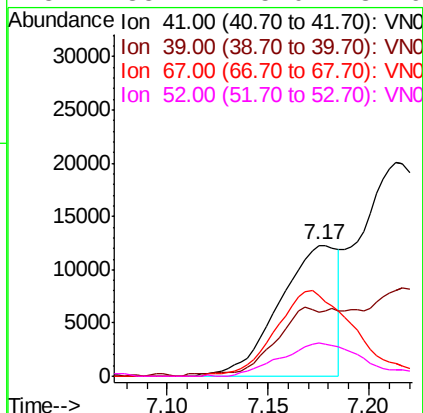
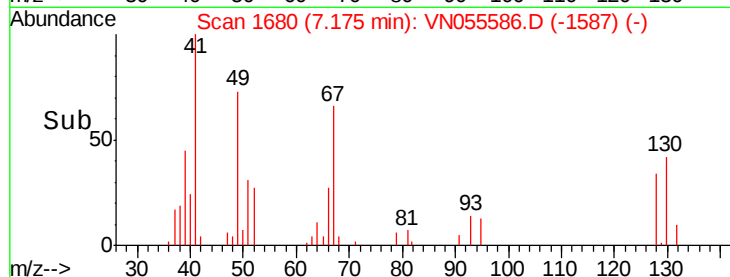
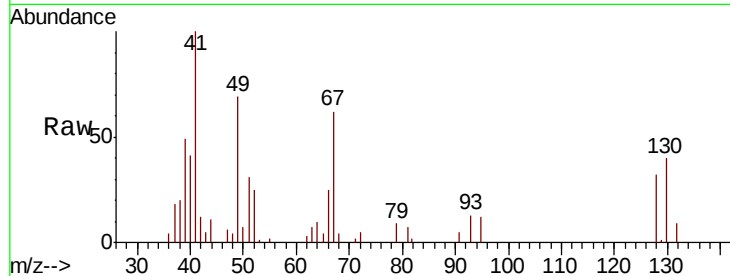




#41  
Methacrylonitrile  
Concen: 4.144 ug/l  
RT: 7.17 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

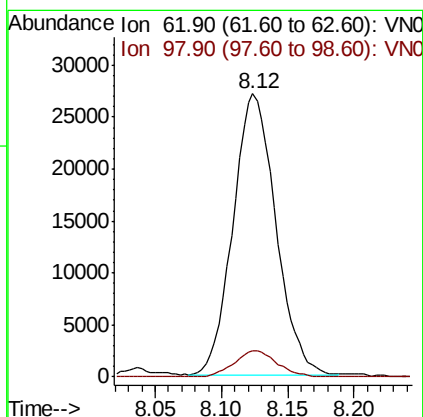
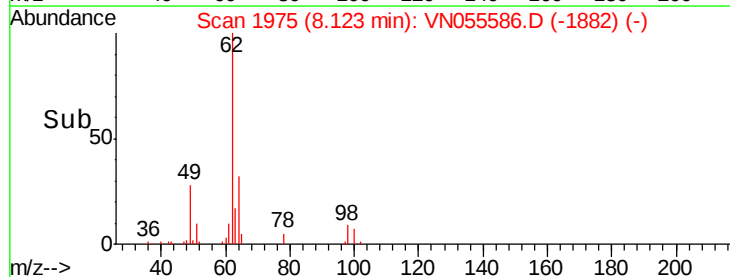
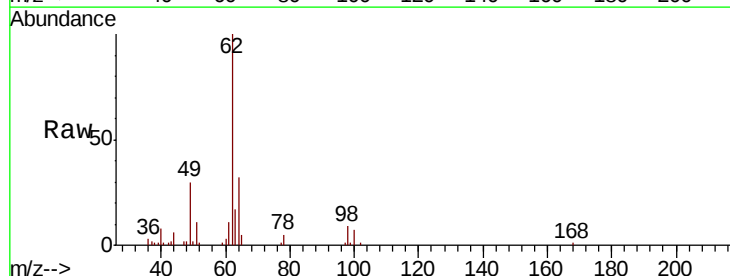
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

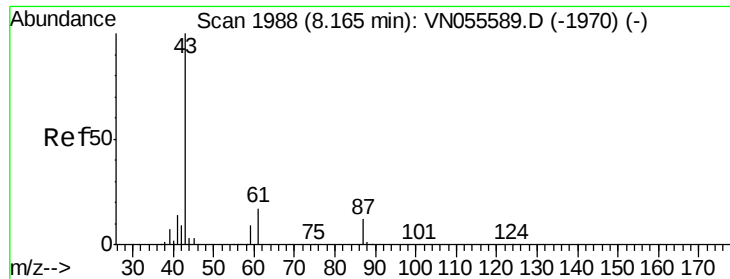
Tot Ion: 41 Resp: 24686  
Ion Ratio Lower Upper  
41 100  
39 39.4 44.1 66.1#  
67 88.7 63.4 95.0  
52 35.2 25.0 37.6



#42  
1,2-Dichloroethane  
Concen: 4.631 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 62 Resp: 60460  
Ion Ratio Lower Upper  
62 100  
98 9.3 0.0 18.0





#43

Isopropyl Acetate

Concen: 4.317 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

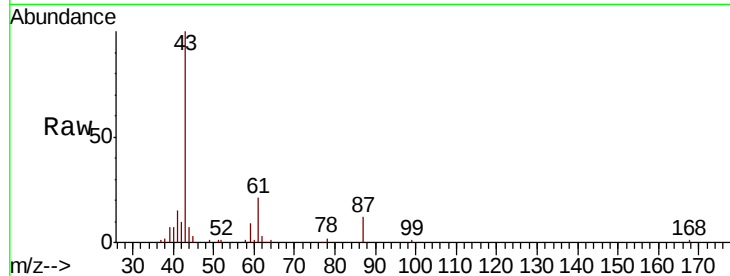
Tot Ion: 43 Resp: 84124

Ion Ratio Lower Upper

43 100

61 19.6 16.1 24.1

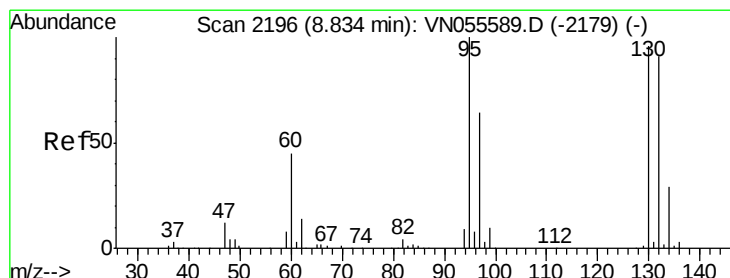
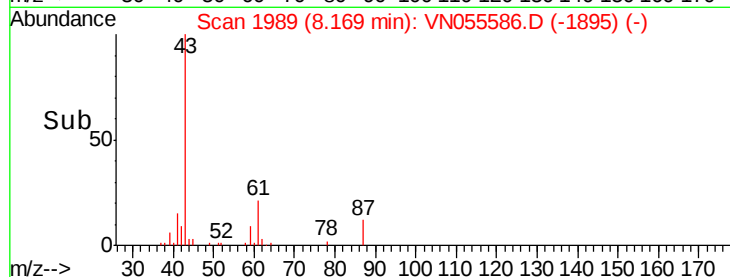
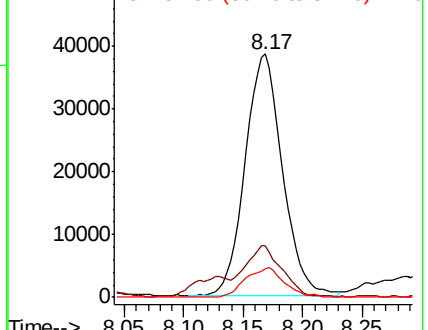
87 12.6 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VN055589.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055589.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055589.D (-1970) (-)



#44

Trichloroethene

Concen: 4.904 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055586.D

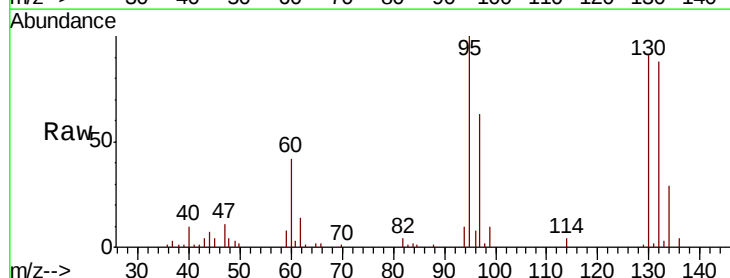
Acq: 14 May 2019 11:32

Tgt Ion: 130 Resp: 43823

Ion Ratio Lower Upper

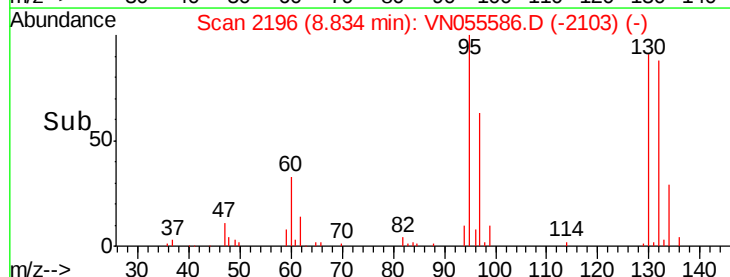
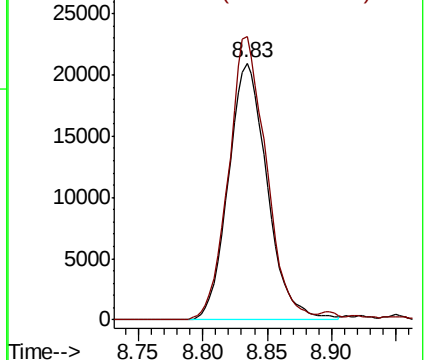
130 100

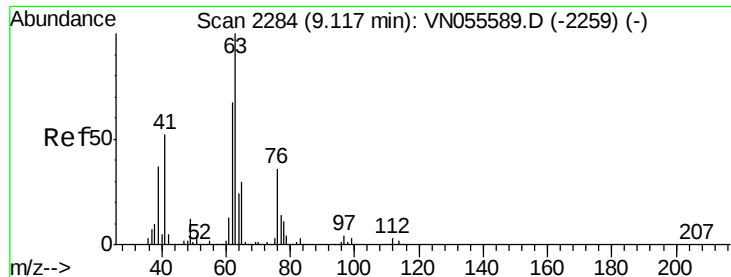
95 110.3 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN055589.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055589.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 4.886 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

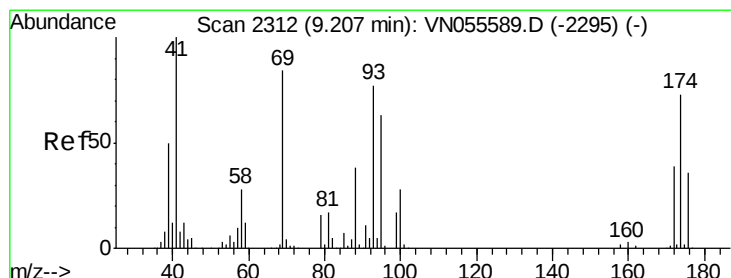
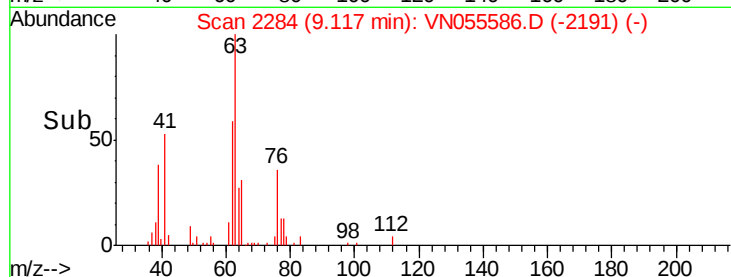
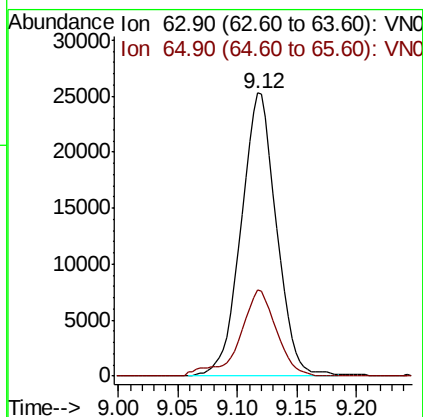
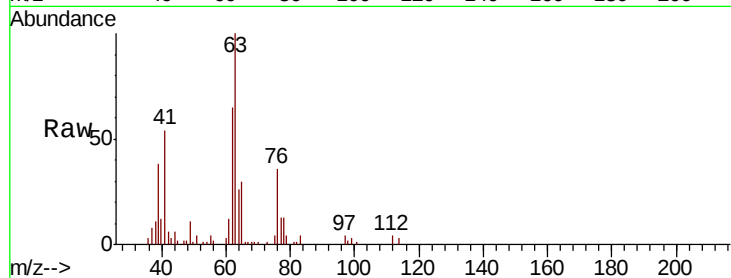
VSTDIC005

Tot Ion: 63 Resp: 52026

Ion Ratio Lower Upper

63 100

65 30.3 24.1 36.1



#46

Dibromomethane

Concen: 4.735 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

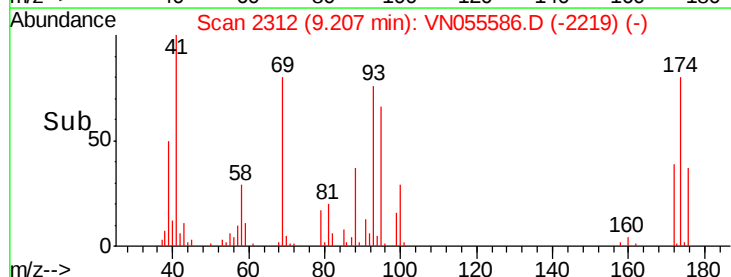
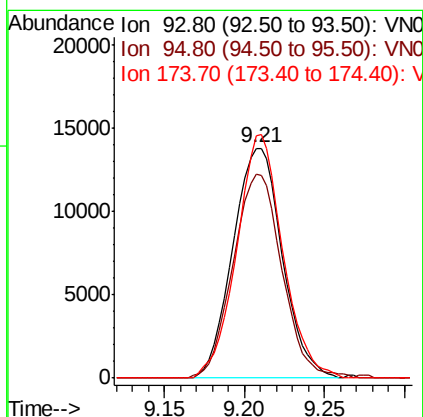
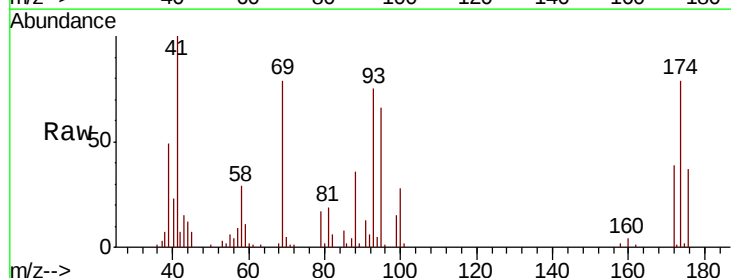
Tgt Ion: 93 Resp: 29200

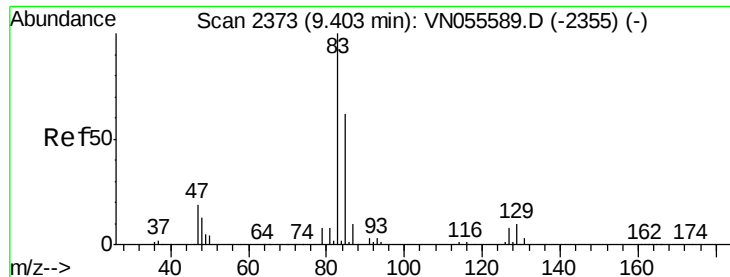
Ion Ratio Lower Upper

93 100

95 87.8 66.6 100.0

174 98.7 78.4 117.6





#47

Bromodichloromethane

Concen: 4.634 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

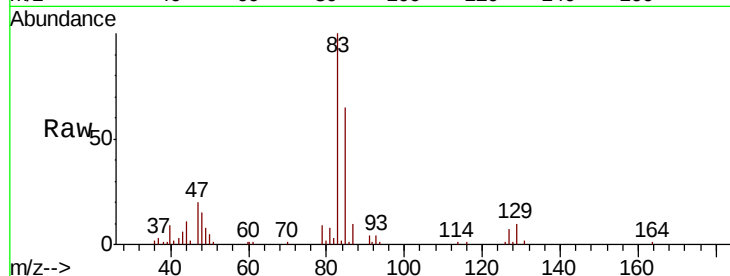
Tot Ion: 83 Resp: 54896

Ion Ratio Lower Upper

83 100

85 65.0 49.6 74.4

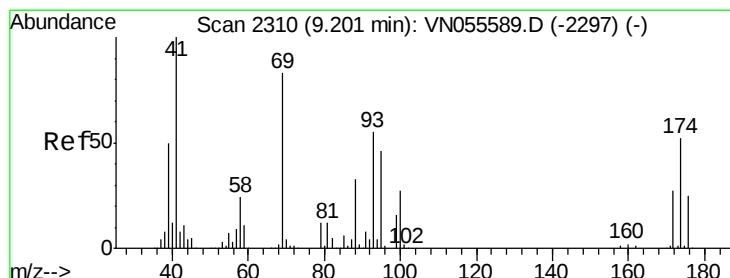
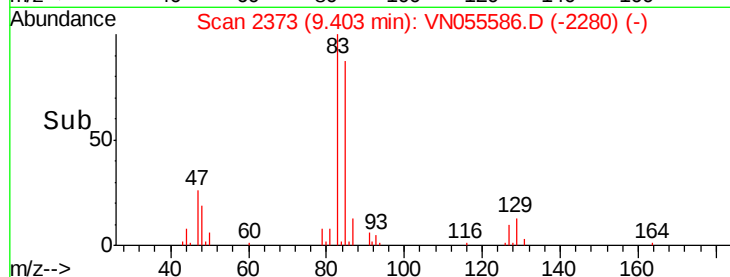
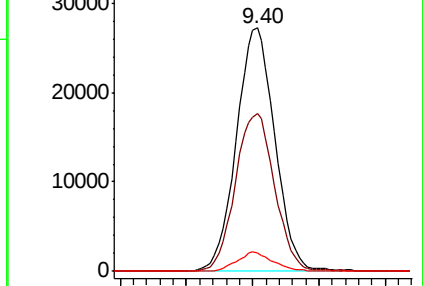
127 7.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN055586.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055586.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055586.D (-2280) (-)



#48

Methyl methacrylate

Concen: 4.362 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

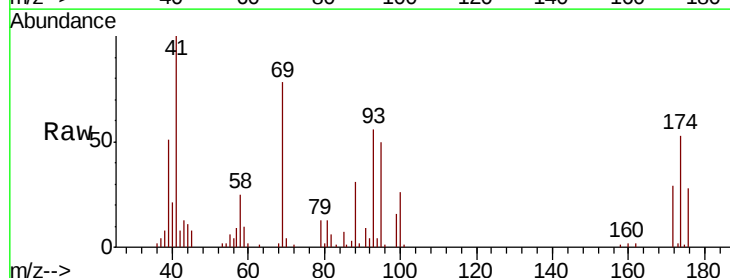
Tgt Ion: 41 Resp: 41082

Ion Ratio Lower Upper

41 100

69 77.6 65.7 98.5

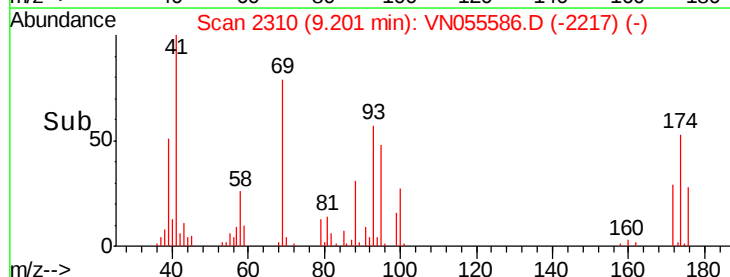
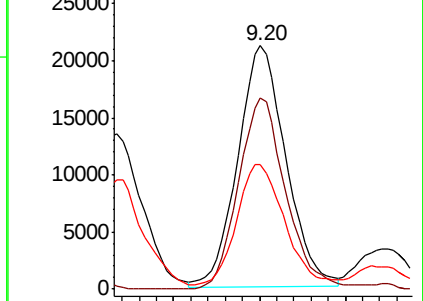
39 50.9 40.2 60.4

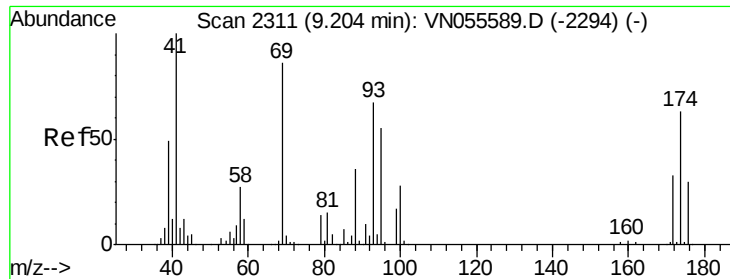


Abundance Ion 41.00 (40.70 to 41.70): VN055586.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055586.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055586.D (-2217) (-)

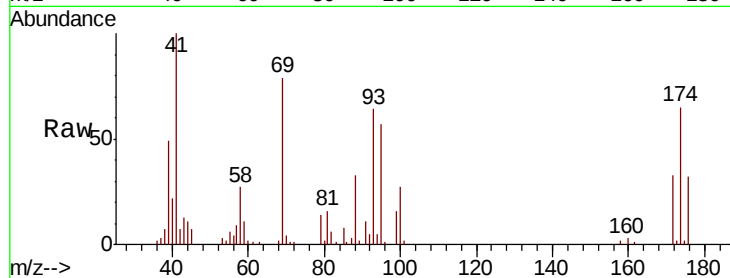




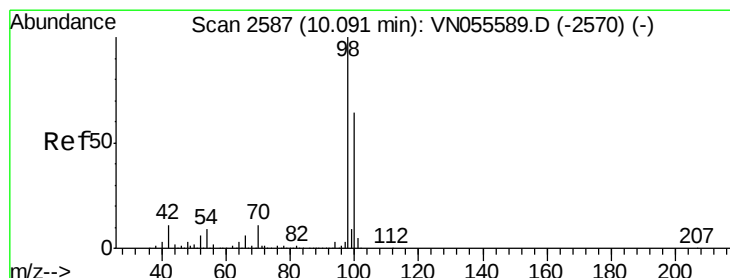
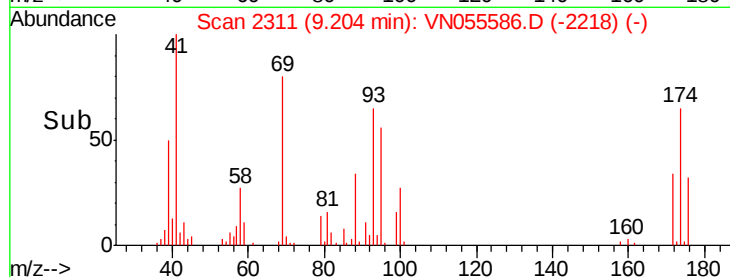
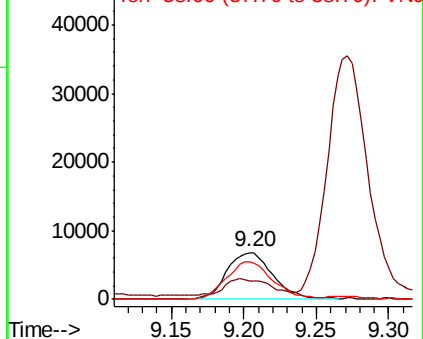
#49  
1,4-Dioxane  
Concen: 82.916 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion: 88 Resp: 15120  
Ion Ratio Lower Upper  
88 100  
43 33.3 25.4 38.0  
58 80.6 59.4 89.2

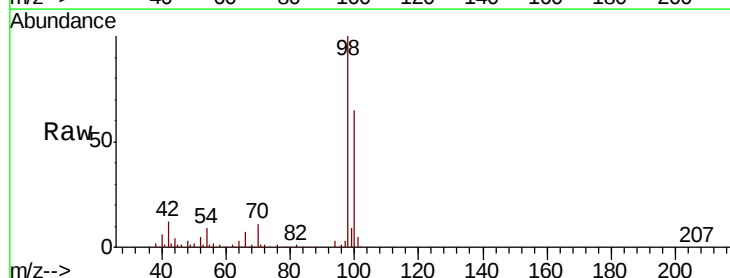


Abundance Ion 88.00 (87.70 to 88.70): VN0  
Ion 43.00 (42.70 to 43.70): VN0  
Ion 58.00 (57.70 to 58.70): VN0

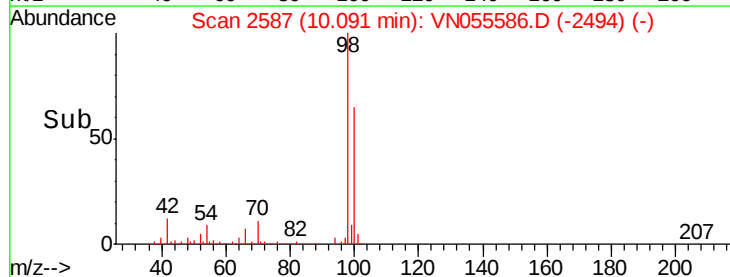
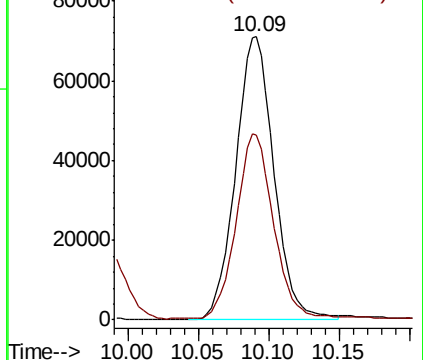


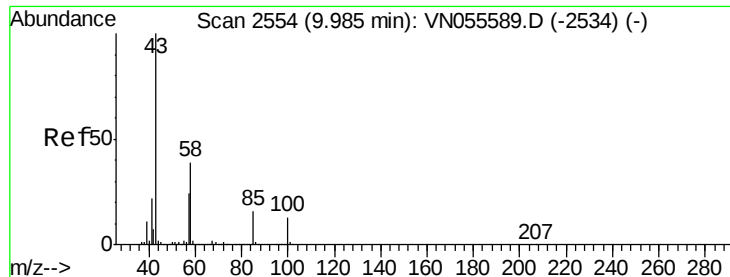
#50  
Toluene-d8  
Concen: 4.373 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 98 Resp: 134932  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0  
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 21.421 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

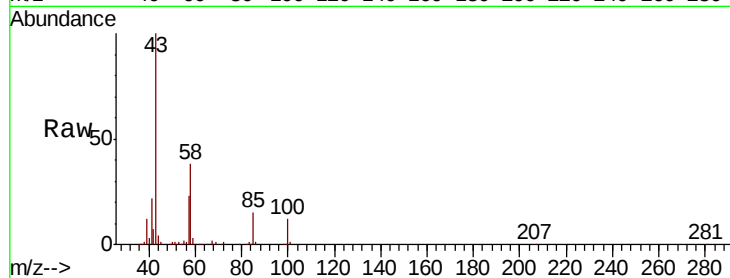
VSTDIC005

Tot Ion: 43 Resp: 273229

Ion Ratio Lower Upper

43 100

58 37.2 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

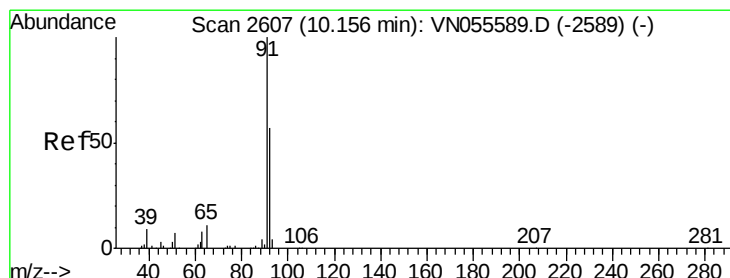
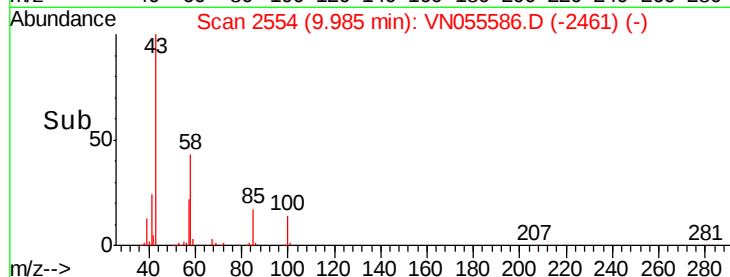
100000

50000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 4.737 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055586.D

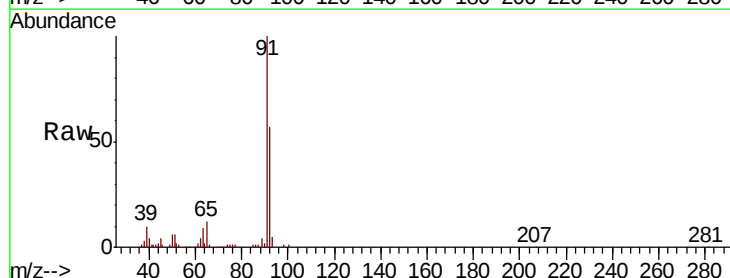
Acq: 14 May 2019 11:32

Tgt Ion: 92 Resp: 101114

Ion Ratio Lower Upper

92 100

91 178.2 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

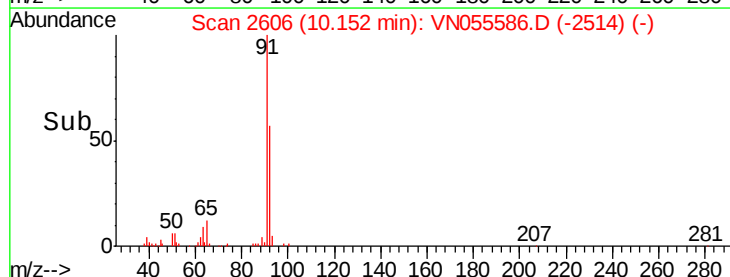
40000

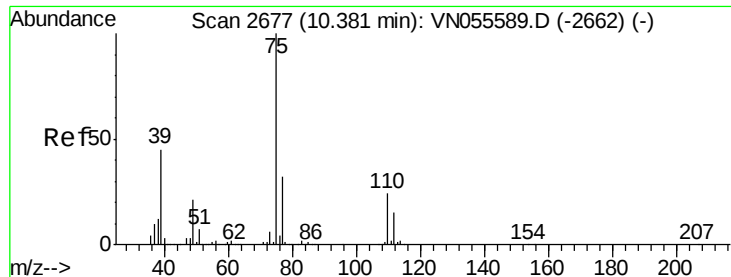
20000

0

10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.296 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

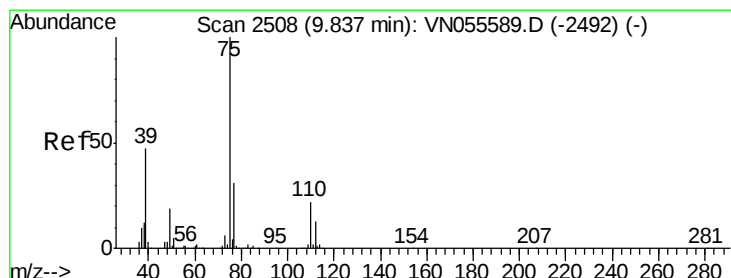
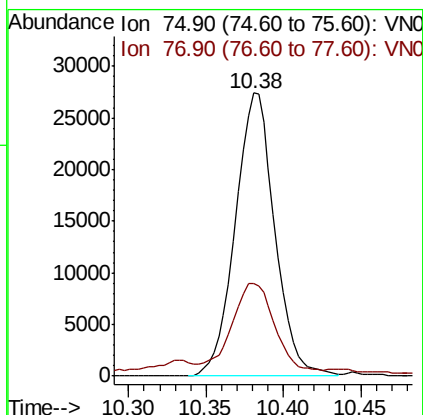
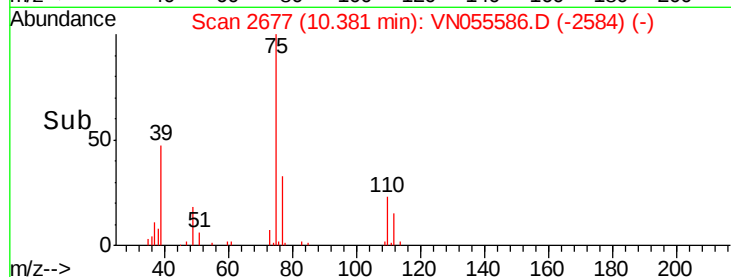
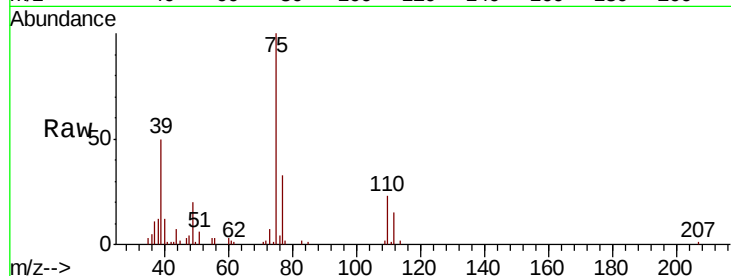
VSTDIC005

Tot Ion: 75 Resp: 48648

Ion Ratio Lower Upper

75 100

77 30.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 4.463 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

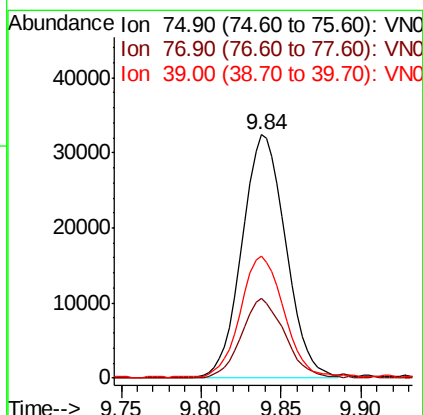
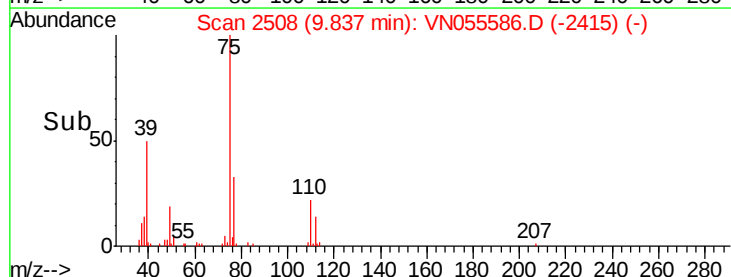
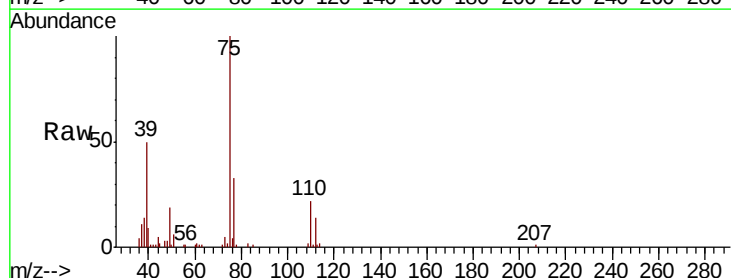
Tgt Ion: 75 Resp: 60599

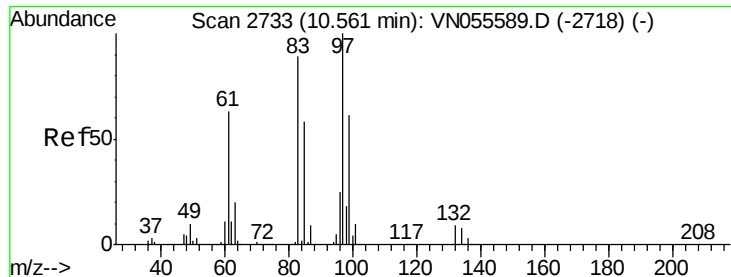
Ion Ratio Lower Upper

75 100

77 32.9 24.5 36.7

39 49.6 37.7 56.5

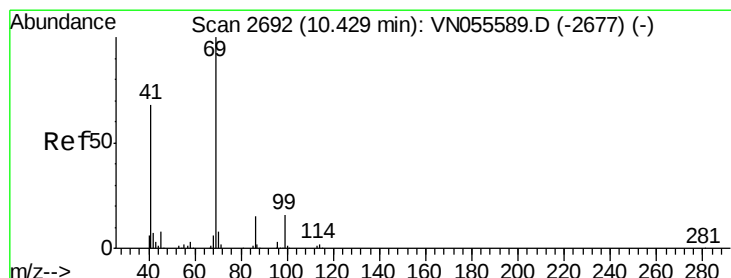
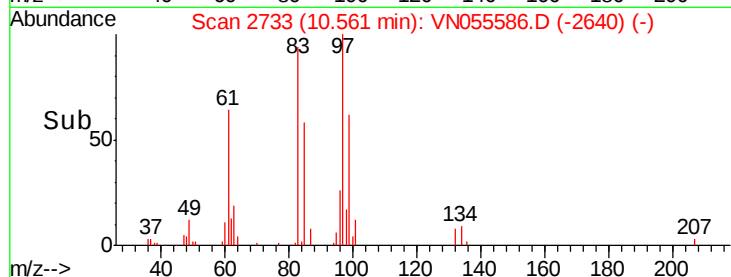
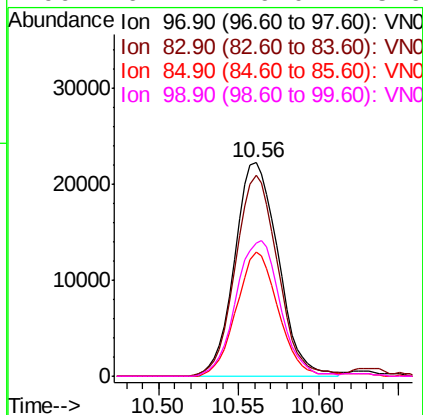
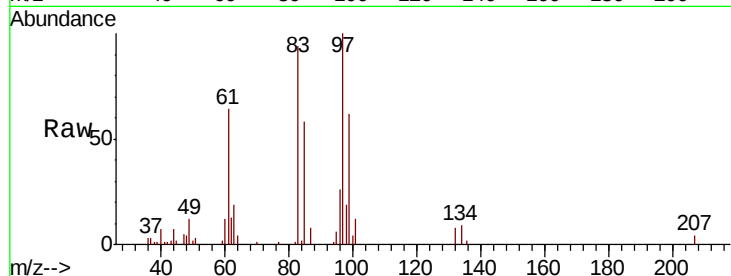




#55  
 1,1,2-Trichloroethane  
 Concen: 4.799 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

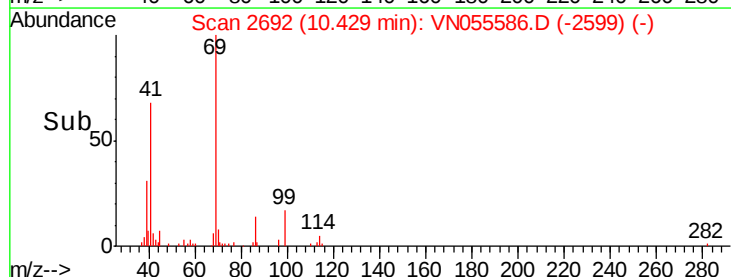
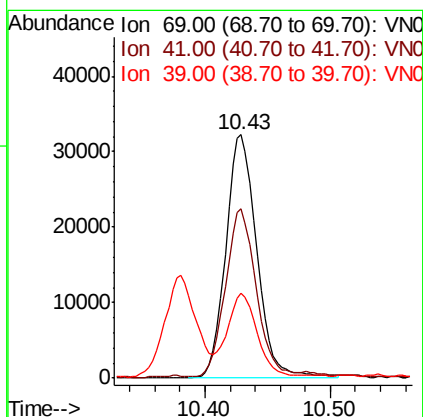
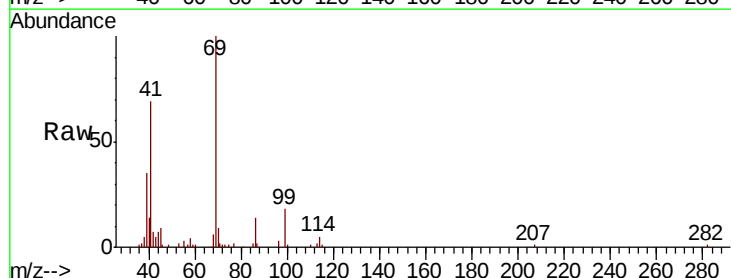
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

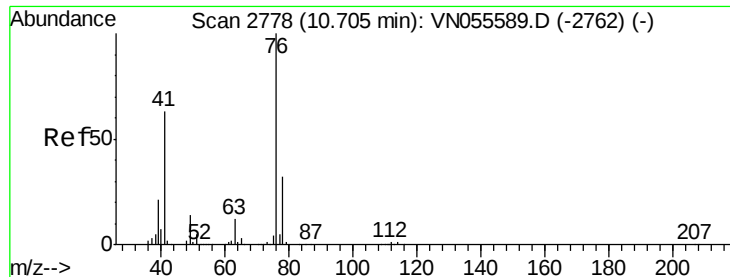
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 41419 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 94.1  | 71.5  | 107.3 |
| 85       | 58.1  | 46.2  | 69.4  |
| 99       | 62.1  | 49.0  | 73.6  |



#56  
 Ethyl methacrylate  
 Concen: 4.353 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 55312 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.6  | 54.6  | 82.0  |
| 39       | 32.9  | 25.5  | 38.3  |





#57

1,3-Dichloropropane

Concen: 4.638 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

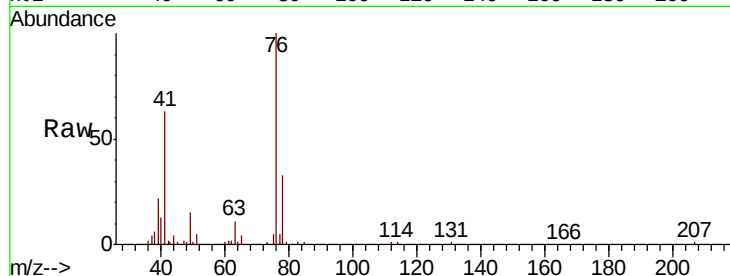
VSTDIC005

Tot Ion: 76 Resp: 70816

Ion Ratio Lower Upper

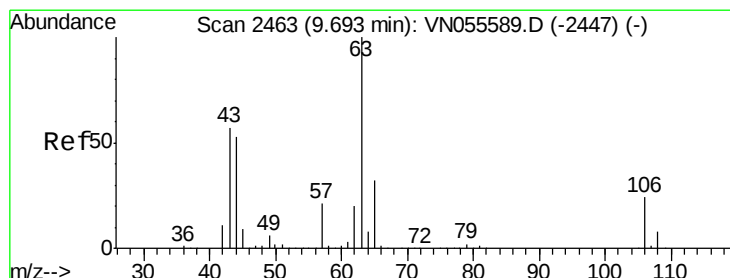
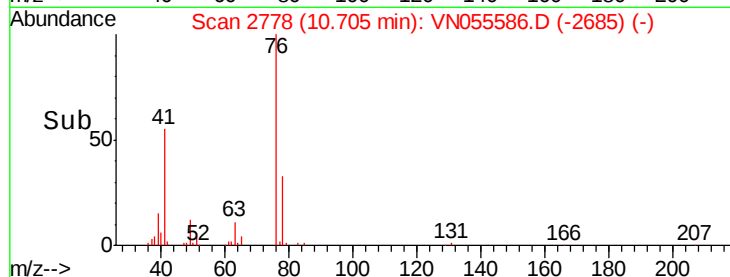
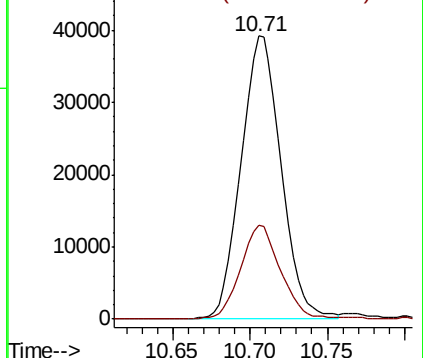
76 100

78 33.1 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 18.274 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055586.D

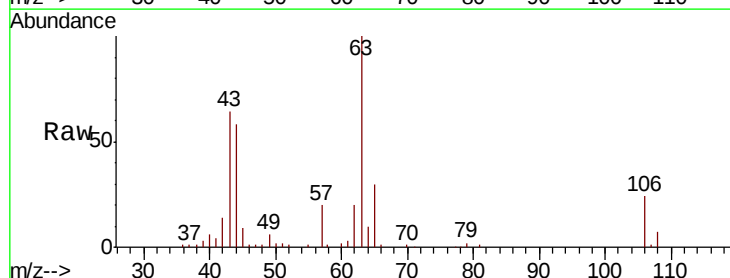
Acq: 14 May 2019 11:32

Tgt Ion: 63 Resp: 63994

Ion Ratio Lower Upper

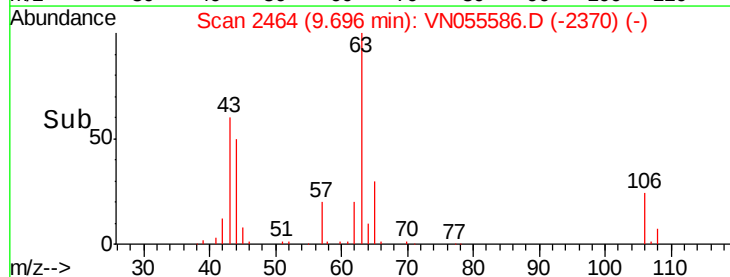
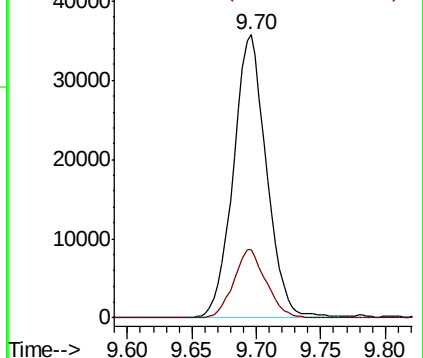
63 100

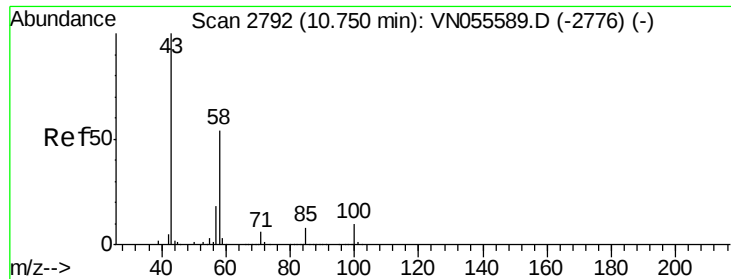
106 23.5 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

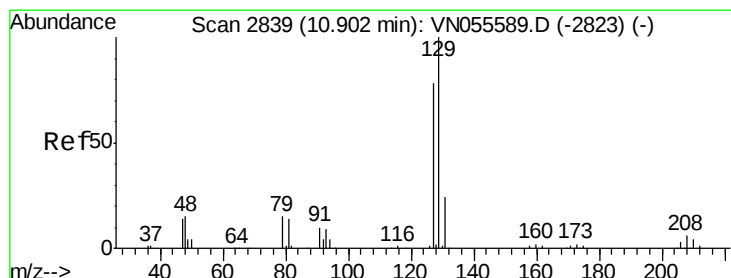
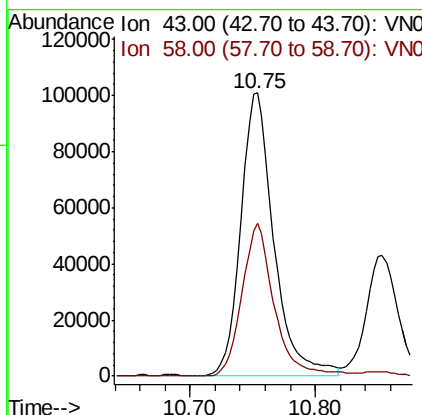
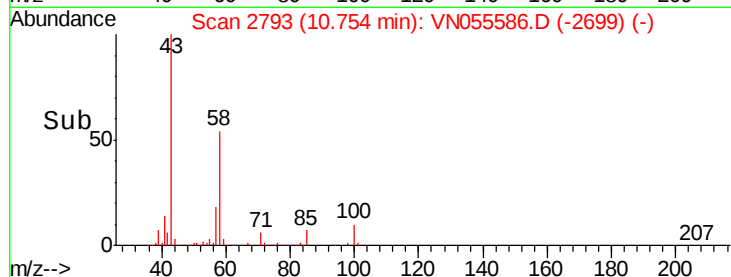
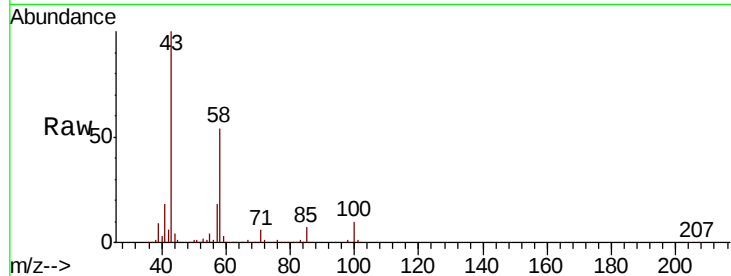




#59  
2-Hexanone  
Concen: 20.481 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

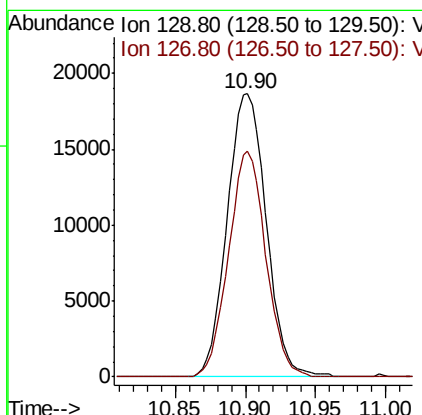
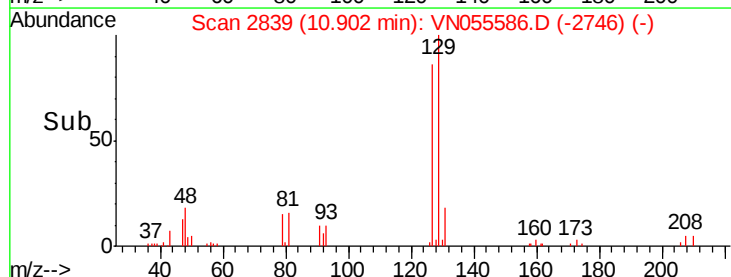
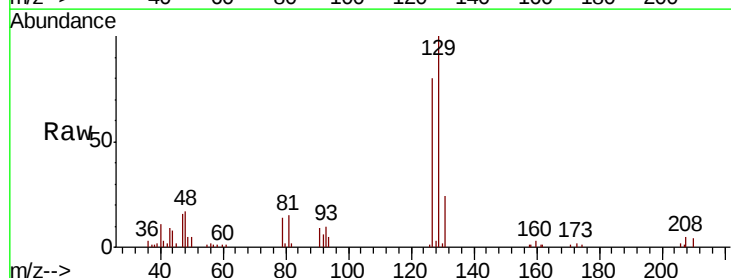
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

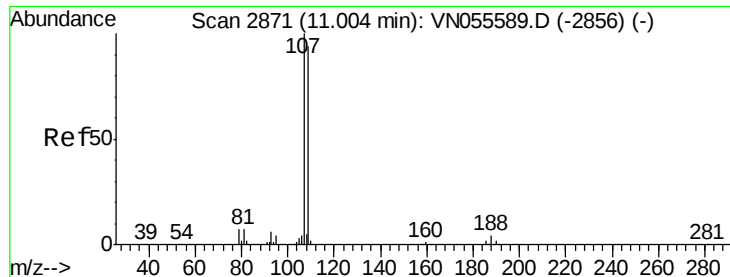
Tot Ion: 43 Resp: 182939  
Ion Ratio Lower Upper  
43 100  
58 53.1 27.0 80.8



#60  
Dibromochloromethane  
Concen: 4.603 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 129 Resp: 36143  
Ion Ratio Lower Upper  
129 100  
127 76.2 39.1 117.2

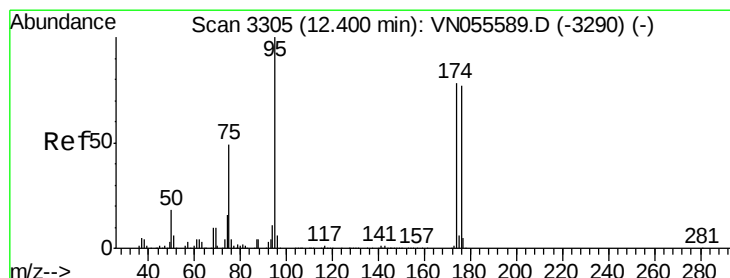
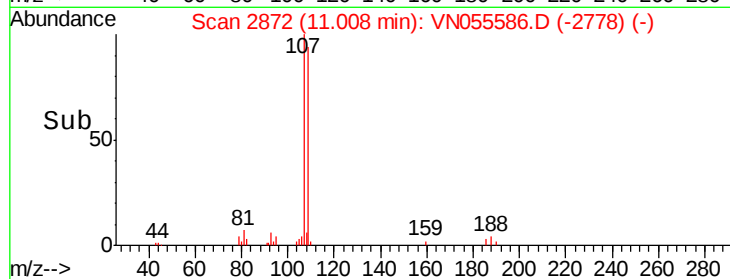
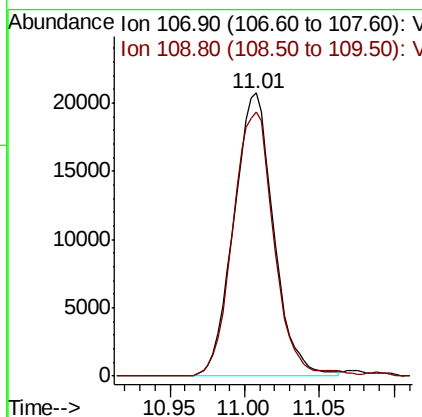
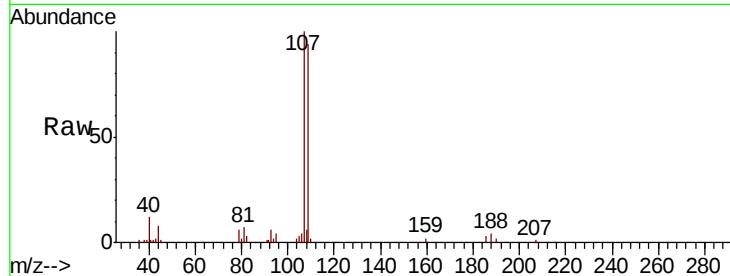




#61  
 1,2-Dibromoethane  
 Concen: 4.645 ug/l  
 RT: 11.01 min Scan# 2872  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

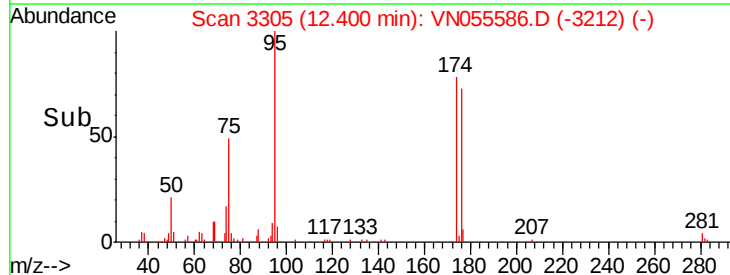
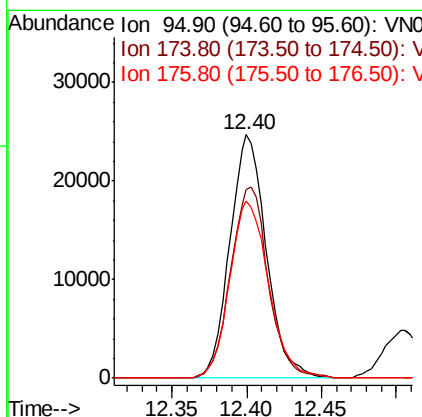
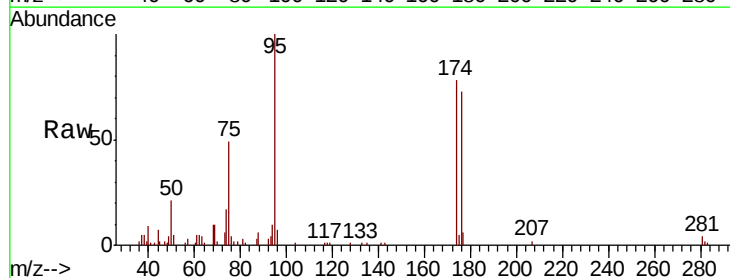
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

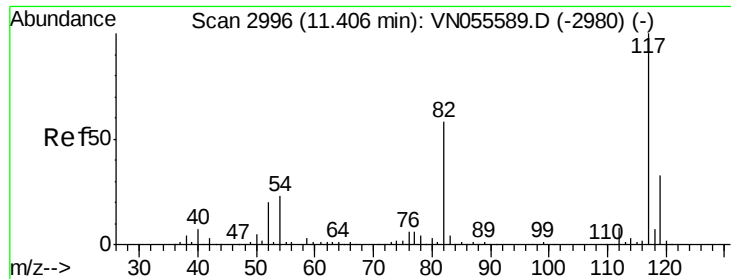
Tot Ion:107 Resp: 38408  
 Ion Ratio Lower Upper  
 107 100  
 109 96.4 75.8 113.8



#62  
 4-Bromofluorobenzene  
 Concen: 4.065 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion: 95 Resp: 41885  
 Ion Ratio Lower Upper  
 95 100  
 174 81.1 0.0 158.4  
 176 77.6 0.0 153.4

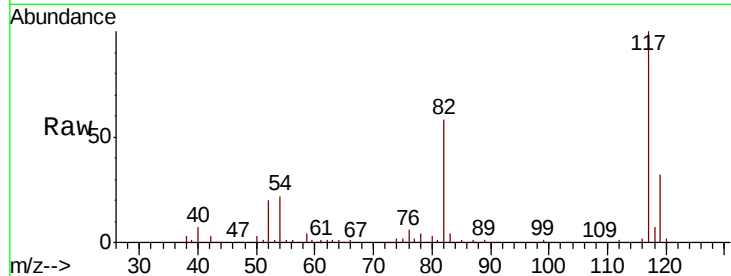




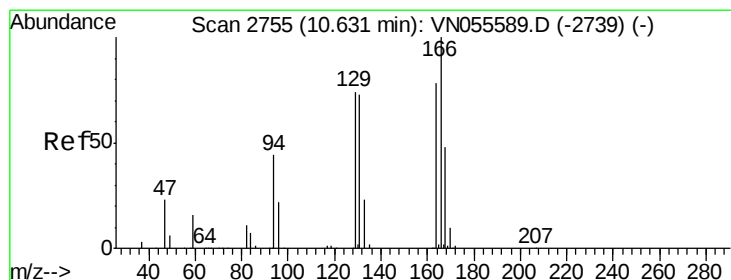
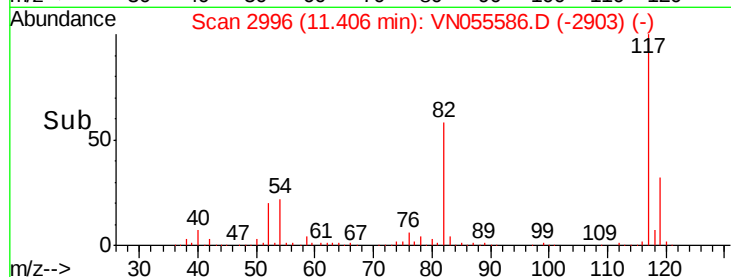
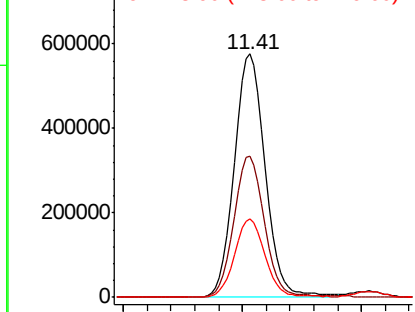
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion:117 Resp: 1039008  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.7 70.1  
119 32.1 26.0 39.0

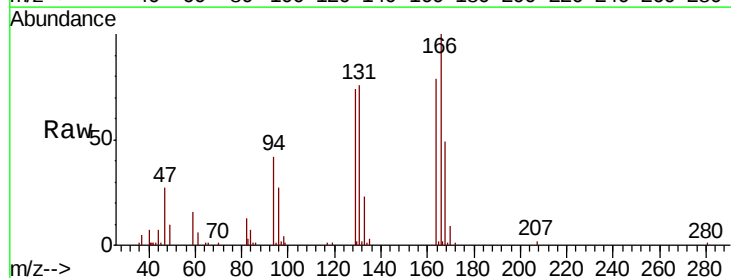


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

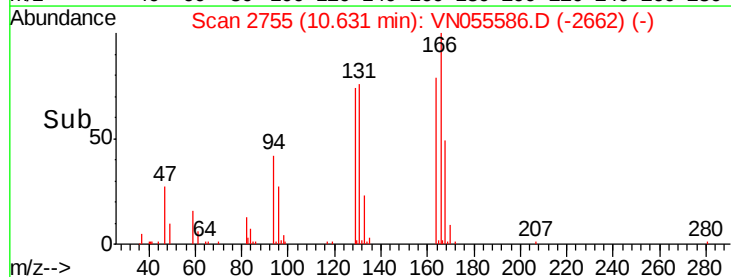
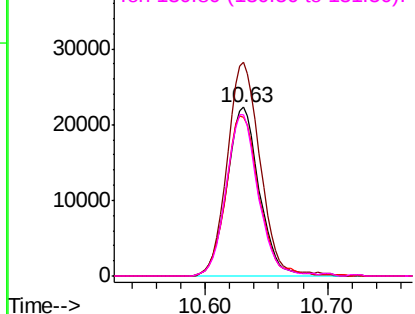


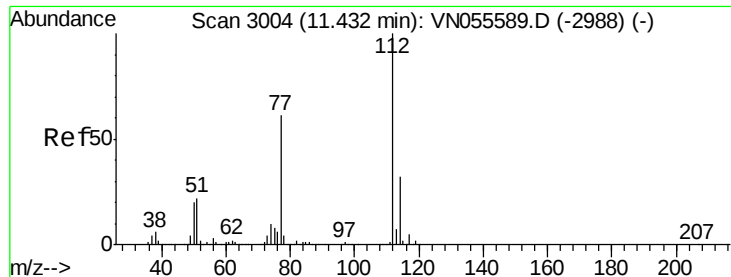
#64  
Tetrachloroethene  
Concen: 4.867 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion:164 Resp: 41347  
Ion Ratio Lower Upper  
164 100  
166 126.6 102.1 153.1  
129 94.0 75.8 113.8  
131 95.9 74.6 111.8



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 4.953 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

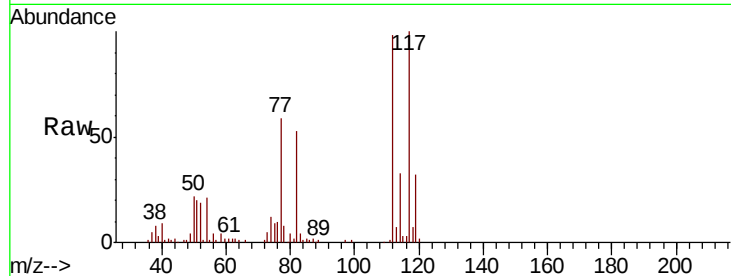
VSTDIC005

Tot Ion:112 Resp: 105673

Ion Ratio Lower Upper

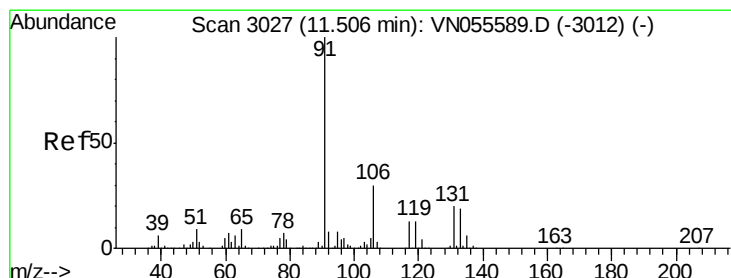
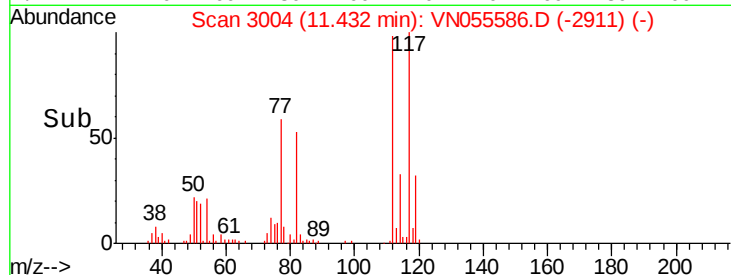
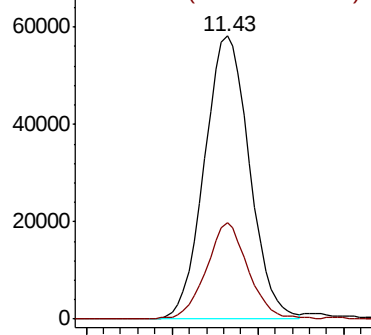
112 100

114 34.1 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.872 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

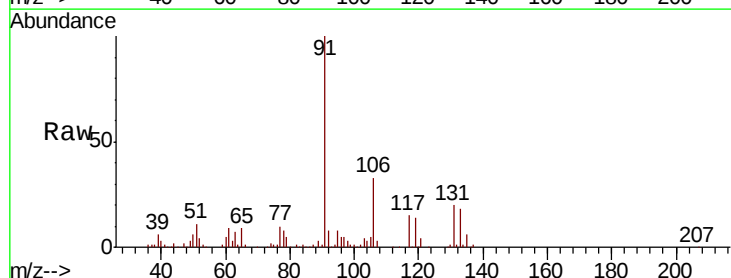
Tgt Ion:131 Resp: 35899

Ion Ratio Lower Upper

131 100

133 91.8 47.6 142.9

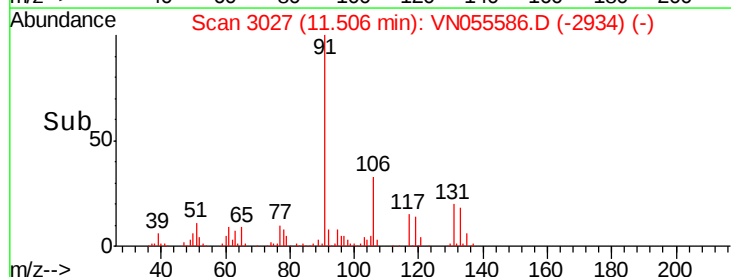
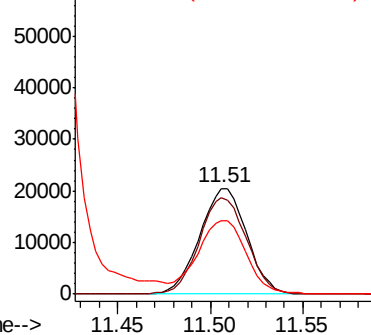
119 73.0 34.2 102.5

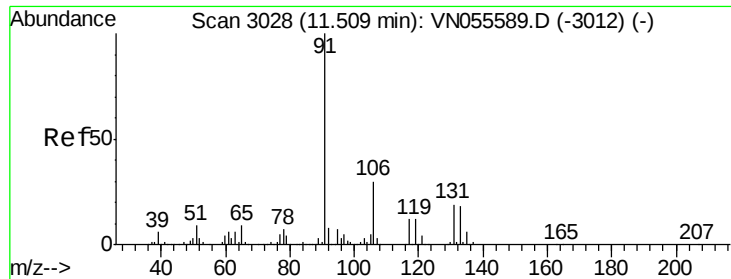


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

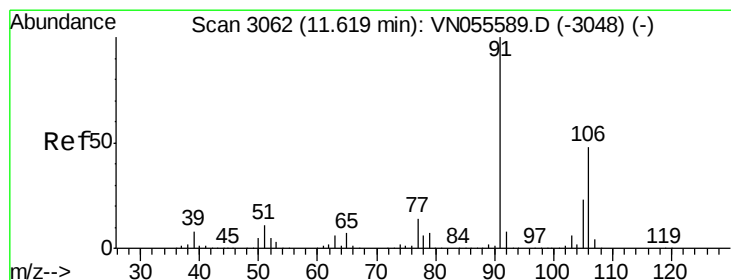
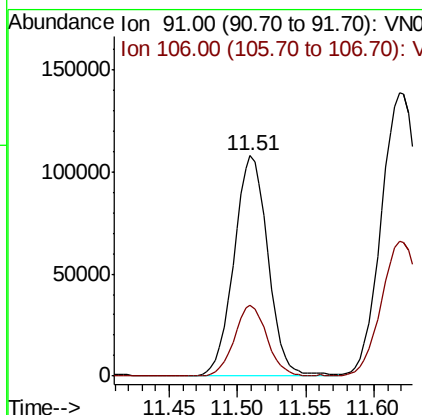
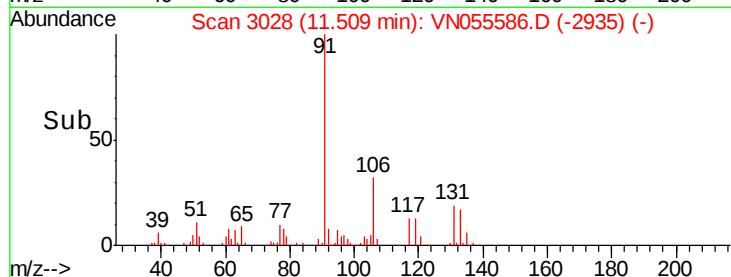
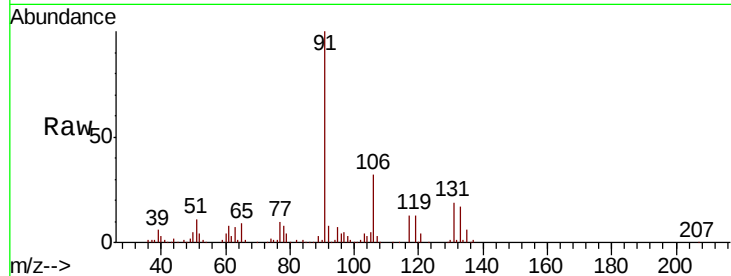




#67  
Ethyl Benzene  
Concen: 4.693 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

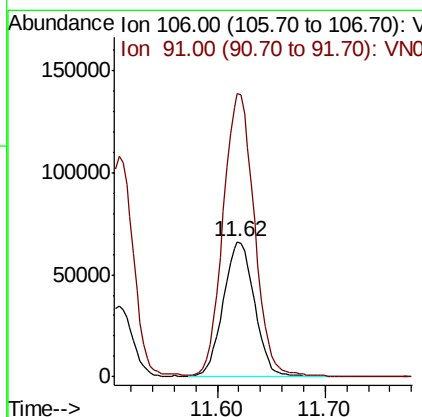
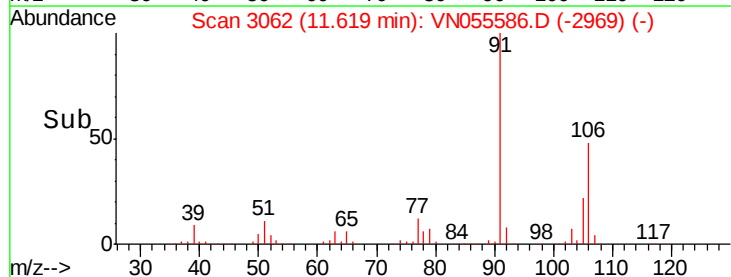
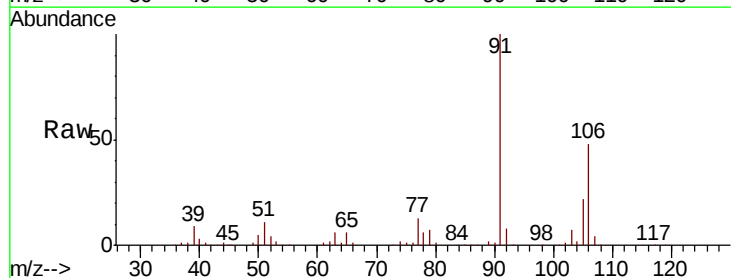
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

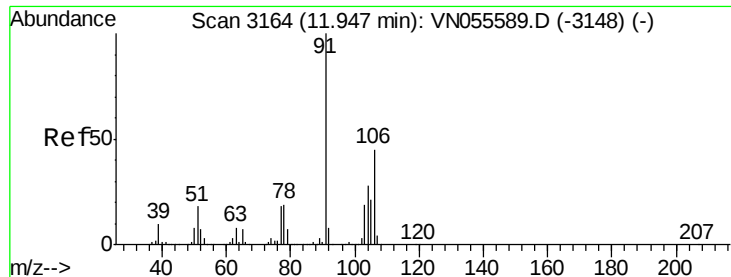
Tot Ion: 91 Resp: 187047  
Ion Ratio Lower Upper  
91 100  
106 32.1 24.1 36.1



#68  
m/p-Xylenes  
Concen: 9.350 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 106 Resp: 134123  
Ion Ratio Lower Upper  
106 100  
91 209.6 167.5 251.3

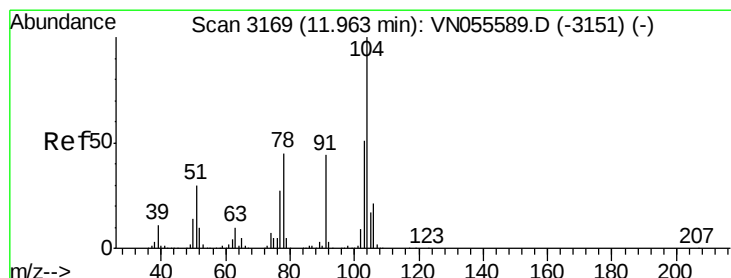
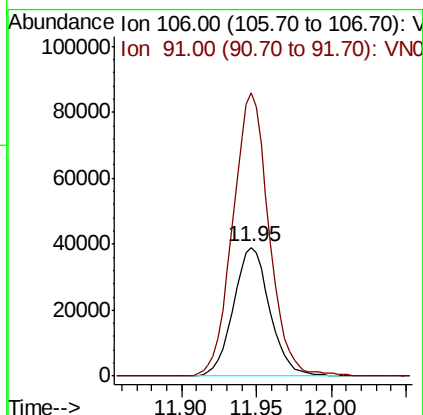
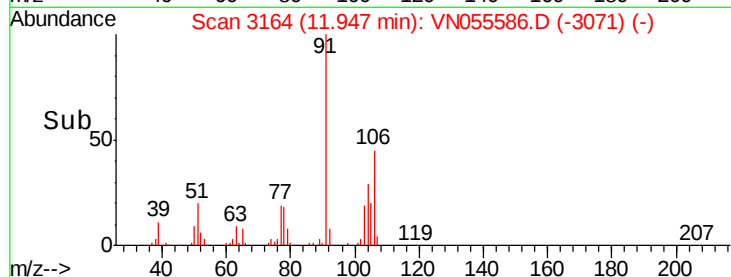
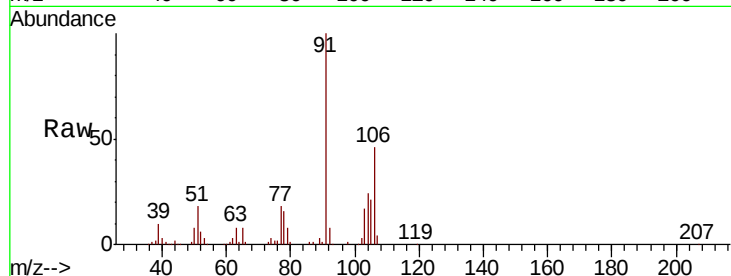




#69  
o-Xylene  
Concen: 4.702 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

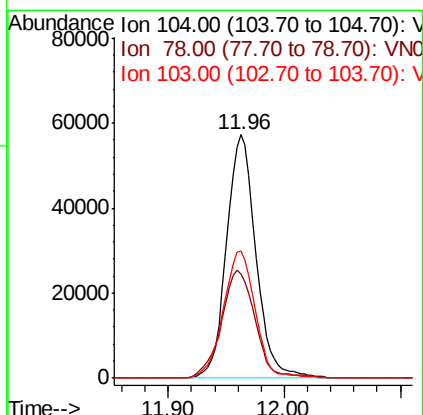
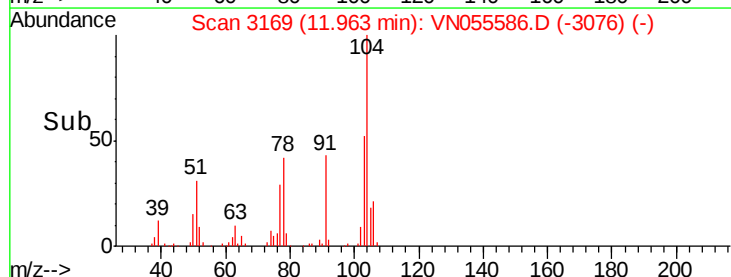
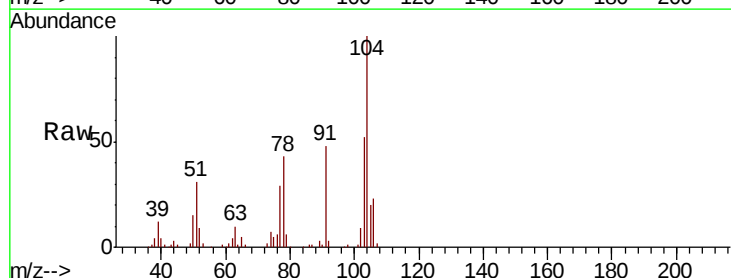
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

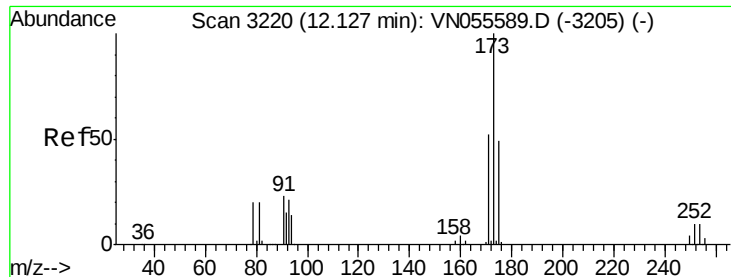
Tot Ion:106 Resp: 66200  
Ion Ratio Lower Upper  
106 100  
91 218.5 110.2 330.6



#70  
Styrene  
Concen: 4.456 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion:104 Resp: 100268  
Ion Ratio Lower Upper  
104 100  
78 51.0 40.8 61.2  
103 56.4 44.6 67.0

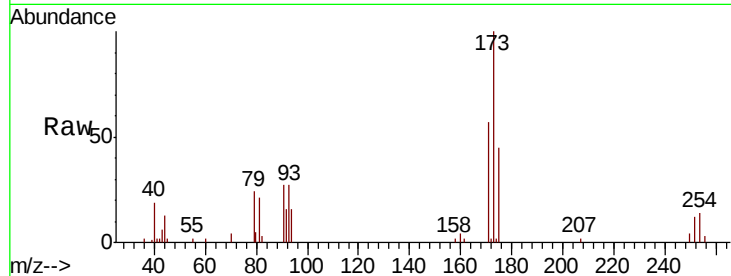




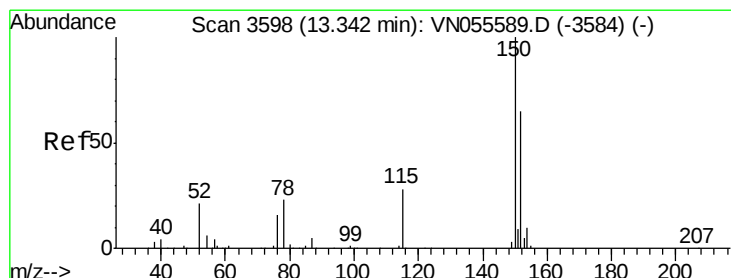
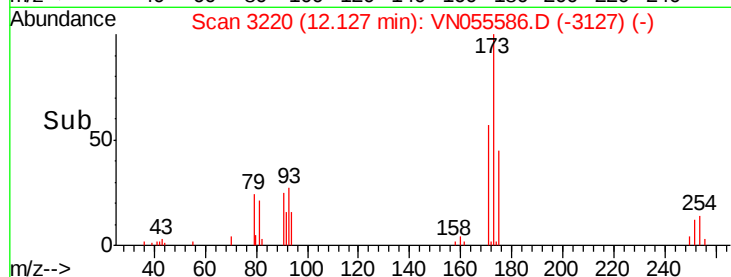
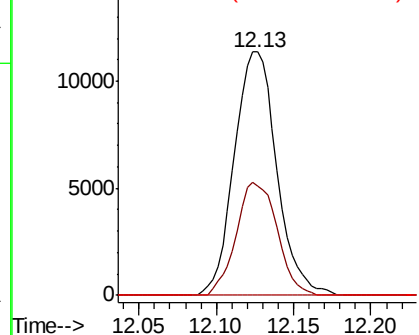
#71  
Bromoform  
Concen: 4.392 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Tot Ion:173 Resp: 21672  
Ion Ratio Lower Upper  
173 100  
175 44.8 24.4 73.4  
254 0.0 0.1 0.1#

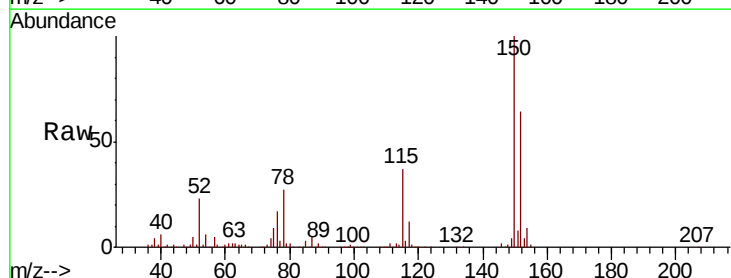


Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

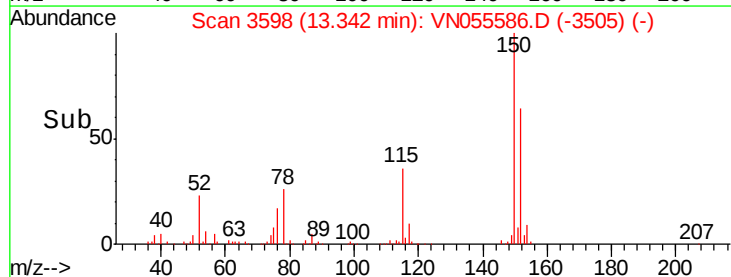
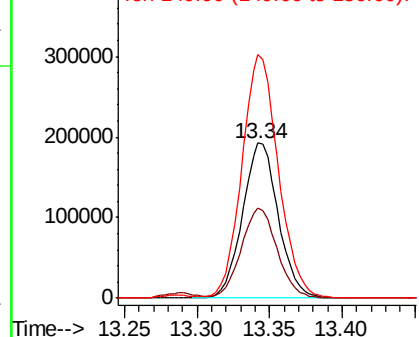


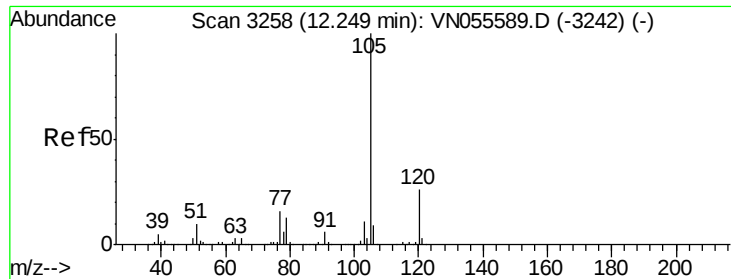
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion:152 Resp: 329880  
Ion Ratio Lower Upper  
152 100  
115 58.4 29.8 89.4  
150 159.3 0.0 346.6



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





#73

Isopropylbenzene

Concen: 5.316 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

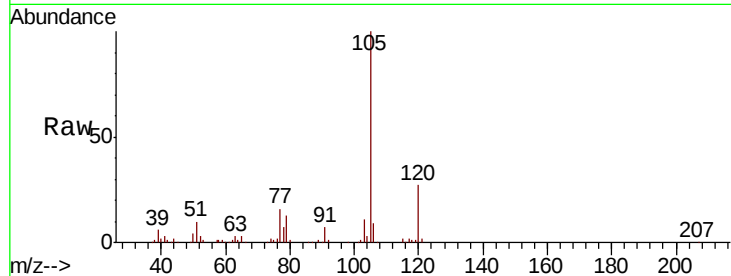
VSTDIC005

Tot Ion:105 Resp: 171362

Ion Ratio Lower Upper

105 100

120 26.5 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

100000

80000

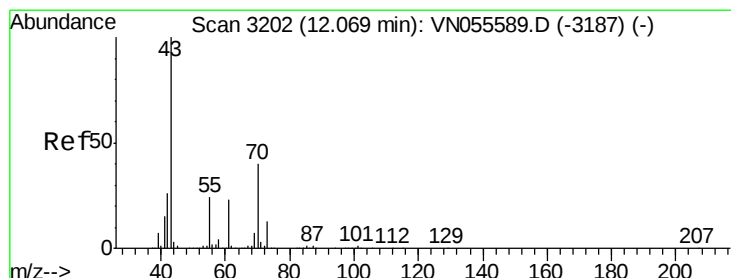
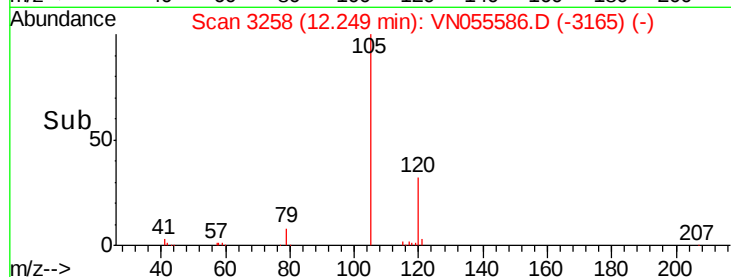
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 4.503 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion: 43 Resp: 55045

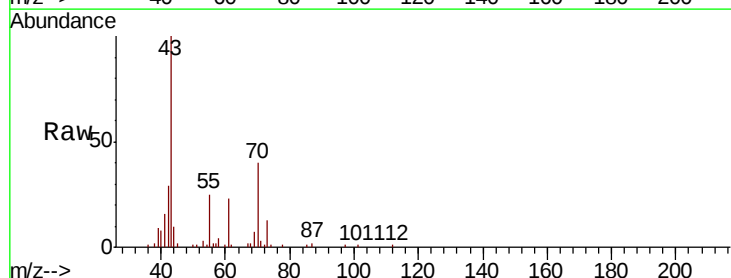
Ion Ratio Lower Upper

43 100

70 40.6 31.8 47.6

55 25.6 19.7 29.5

61 23.3 19.0 28.4



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

40000

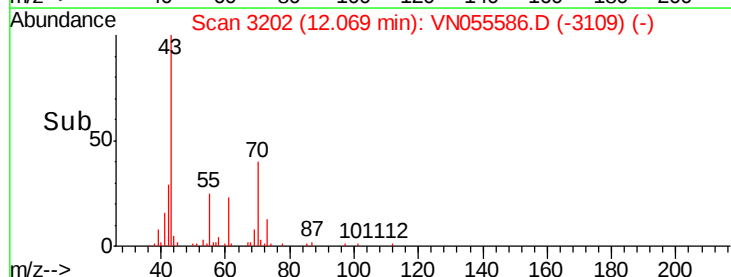
30000

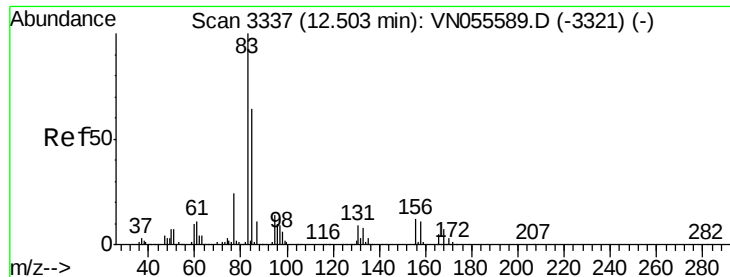
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.377 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

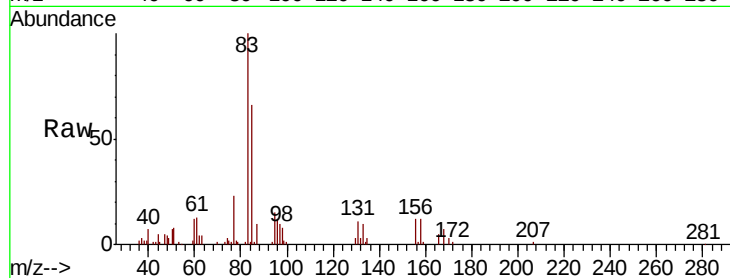
Tot Ion: 83 Resp: 56195

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 10.1  | 4.6   | 13.8  |
| 85  | 63.9  | 32.2  | 96.6  |

83 100

131 10.1 4.6 13.8

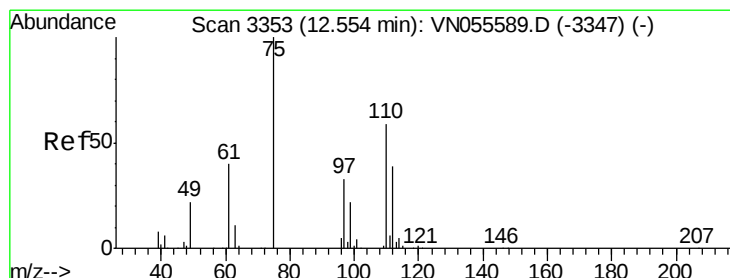
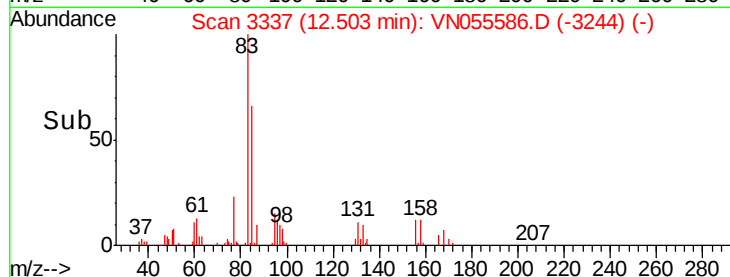
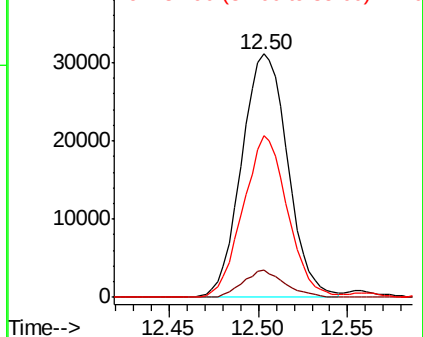
85 63.9 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN055589.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN055589.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN055589.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 7.023 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055586.D

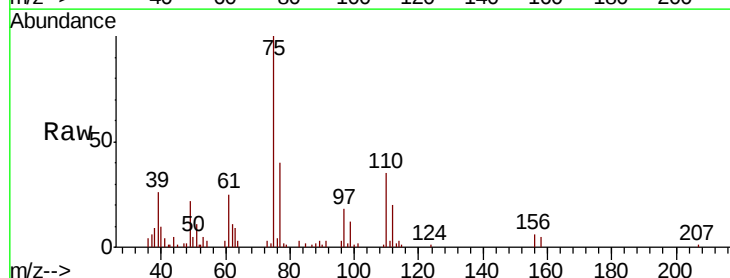
Acq: 14 May 2019 11:32

Tgt Ion: 75 Resp: 62004

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 0.0   | 0.0   | 0.0   |

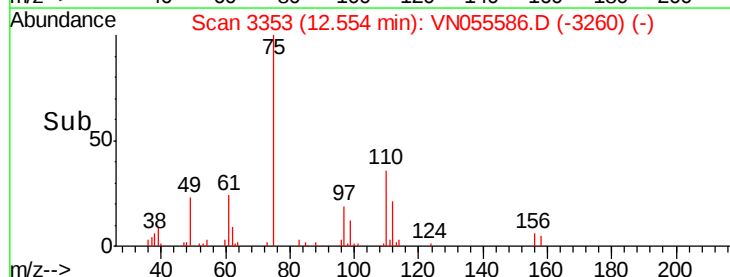
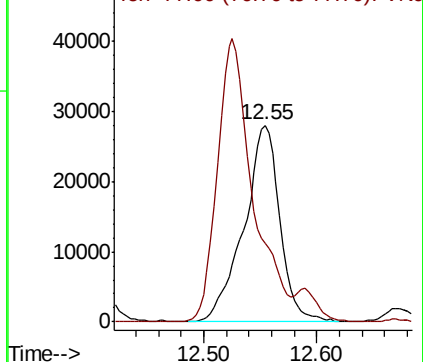
75 100

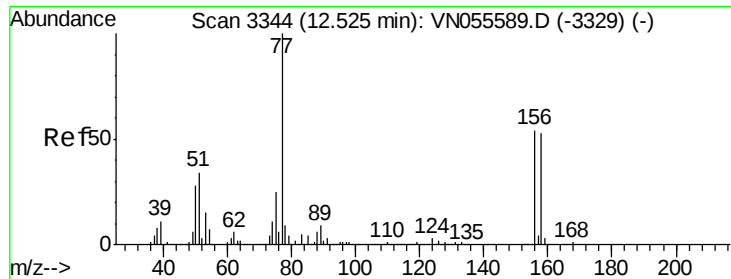
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055589.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055589.D (-3347) (-)

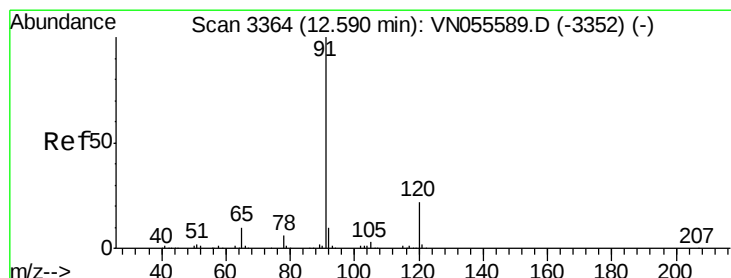
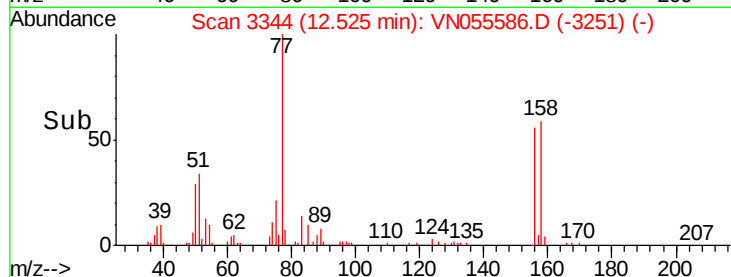
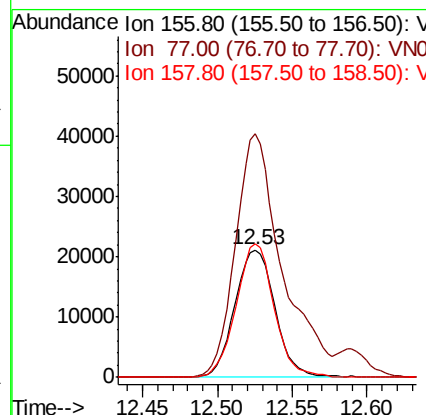
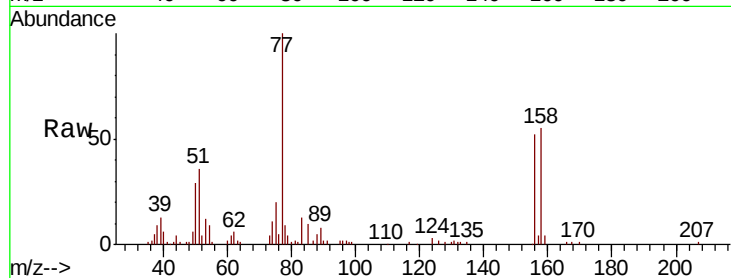




#77  
Bromobenzene  
Concen: 5.436 ug/l  
RT: 12.53 min Scan# 3344  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

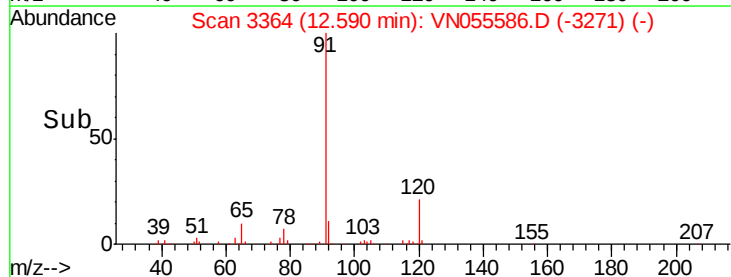
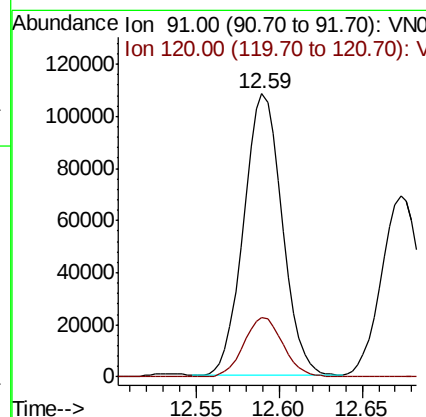
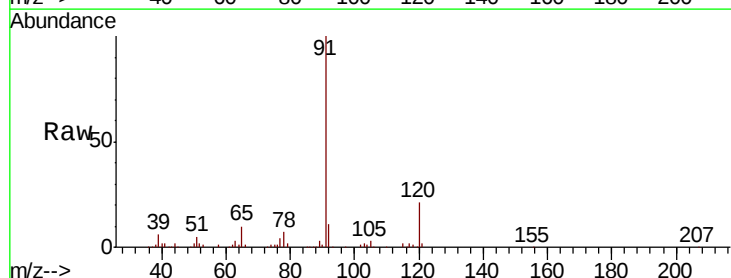
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDIC005

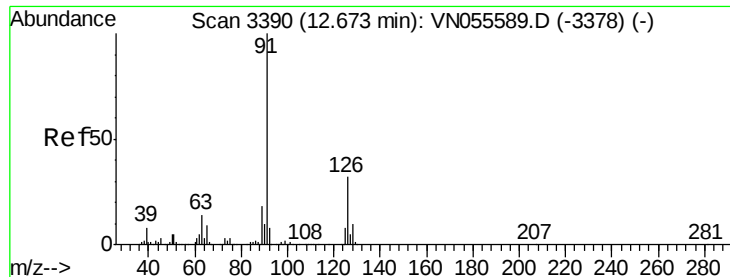
Tot Ion:156 Resp: 39506  
Ion Ratio Lower Upper  
156 100  
77 221.8 108.9 326.7  
158 99.2 48.1 144.3



#78  
n-propylbenzene  
Concen: 4.966 ug/l  
RT: 12.59 min Scan# 3364  
Delta R.T. 0.00 min  
Lab File: VN055586.D  
Acq: 14 May 2019 11:32

Tgt Ion: 91 Resp: 174743  
Ion Ratio Lower Upper  
91 100  
120 21.5 11.0 33.0

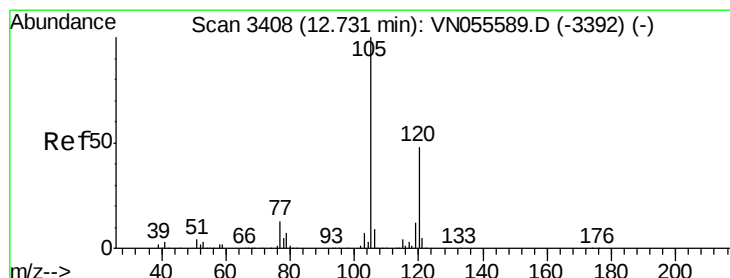
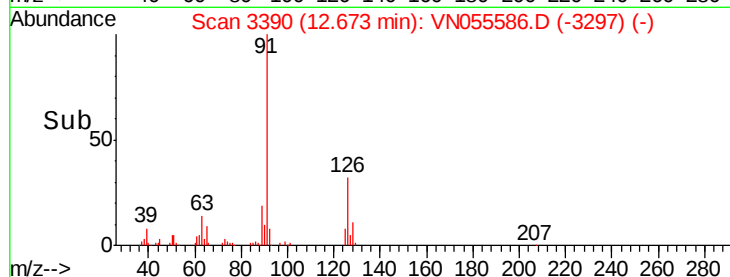
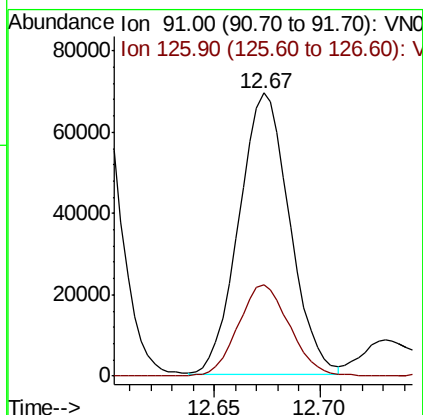
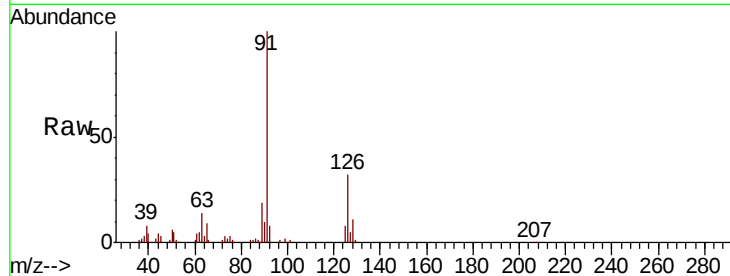




#79  
 2-Chlorotoluene  
 Concen: 5.285 ug/l  
 RT: 12.67 min Scan# 3390  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

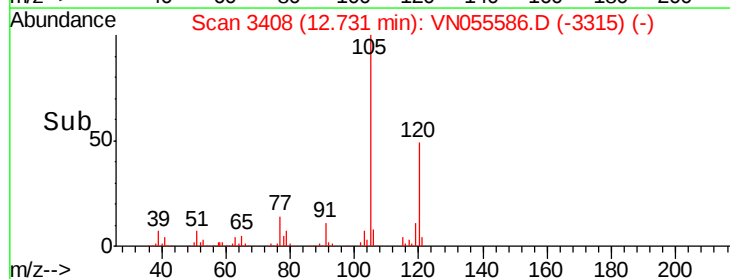
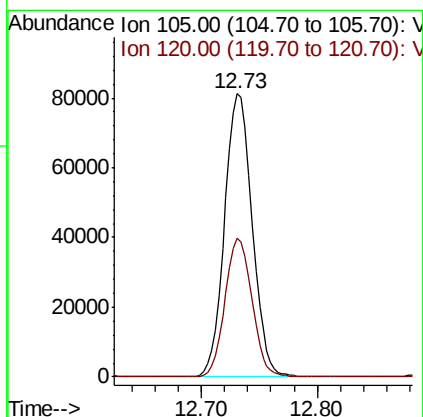
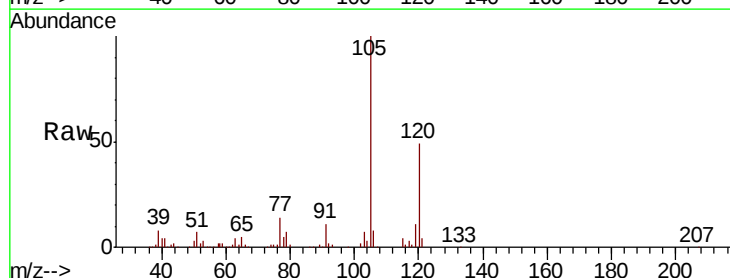
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

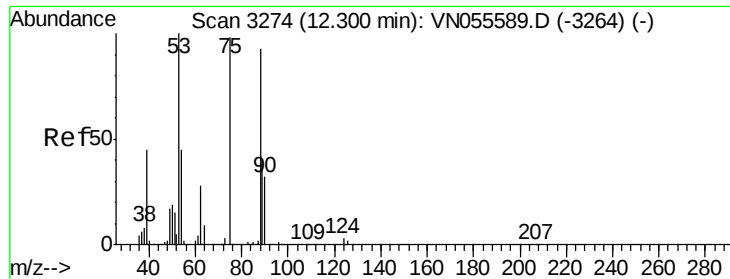
Tot Ion: 91 Resp: 115706  
 Ion Ratio Lower Upper  
 91 100  
 126 33.0 16.6 49.7



#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.132 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion: 105 Resp: 134446  
 Ion Ratio Lower Upper  
 105 100  
 120 47.7 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 5.020 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

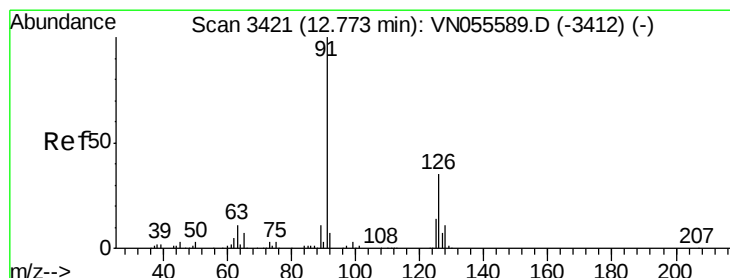
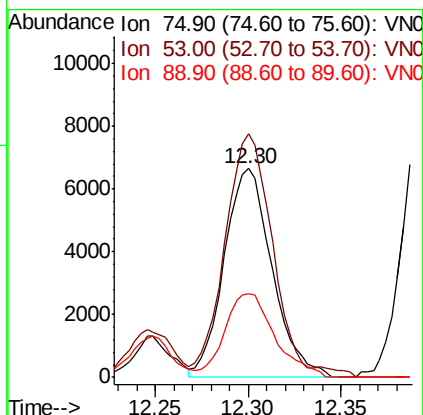
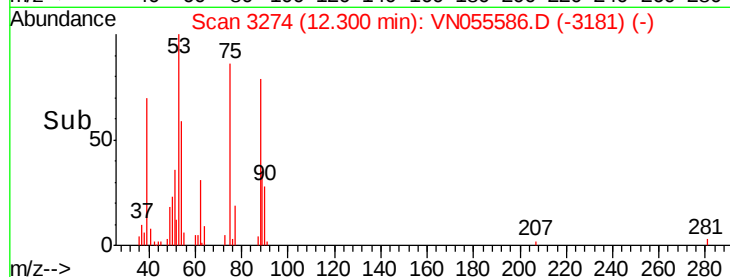
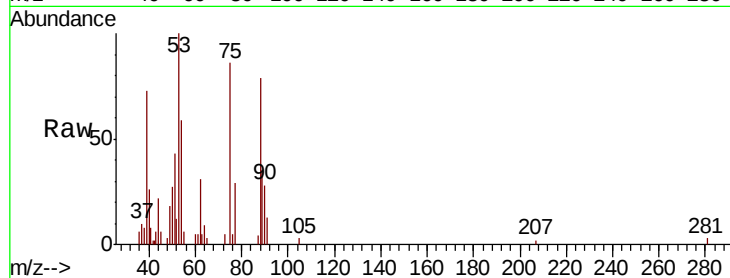
Tot Ion: 75 Resp: 11958

Ion Ratio Lower Upper

75 100

53 116.7 83.9 125.9

89 41.7 34.7 52.1



#82

4-Chlorotoluene

Concen: 5.121 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055586.D

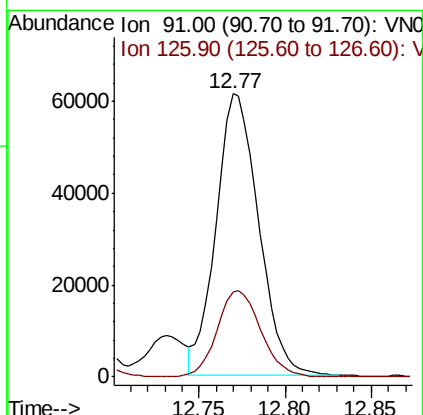
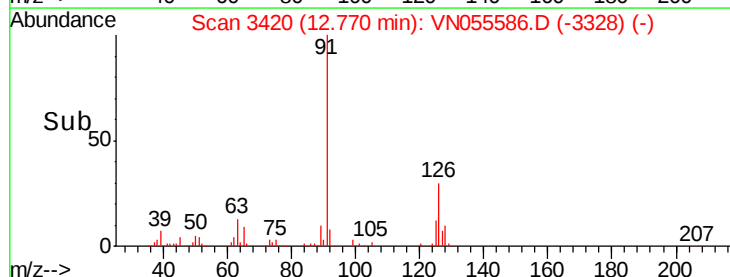
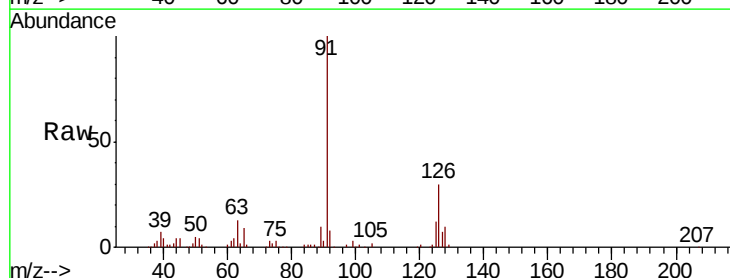
Acq: 14 May 2019 11:32

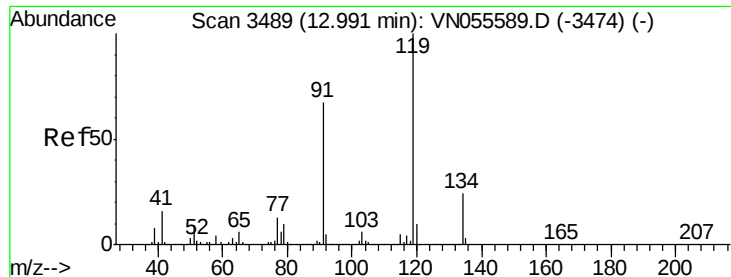
Tgt Ion: 91 Resp: 106034

Ion Ratio Lower Upper

91 100

126 31.4 16.2 48.6

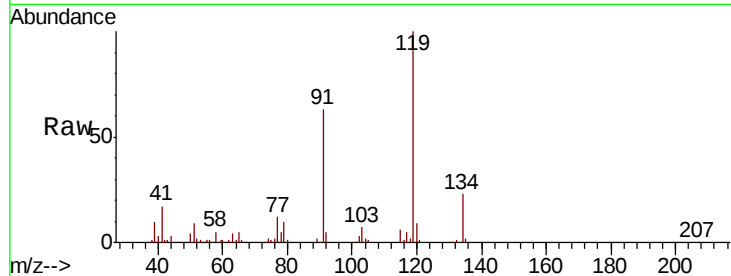




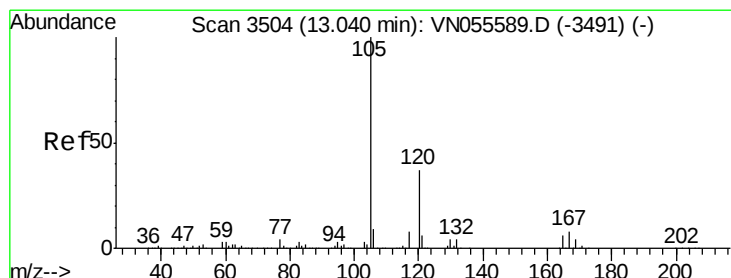
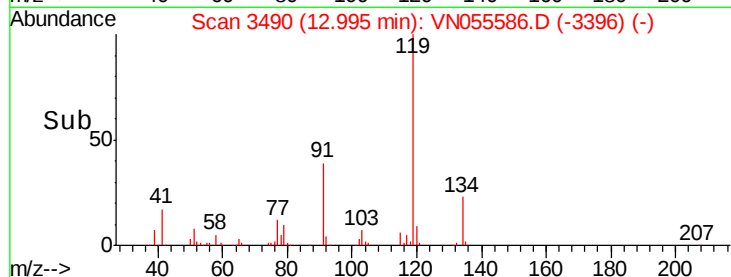
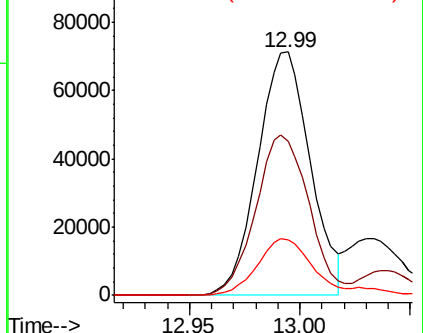
#83  
 tert-Butylbenzene  
 Concen: 5.270 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion:119 Resp: 118216  
 Ion Ratio Lower Upper  
 119 100  
 91 66.5 33.5 100.4  
 134 23.7 12.7 38.1

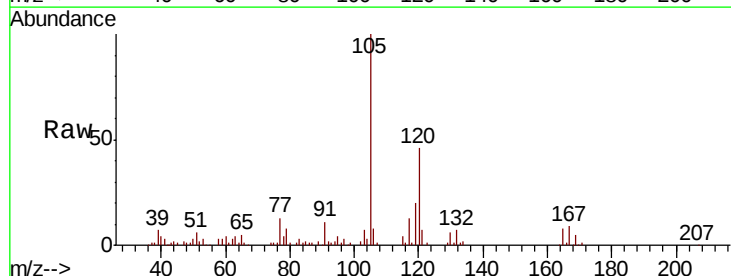


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

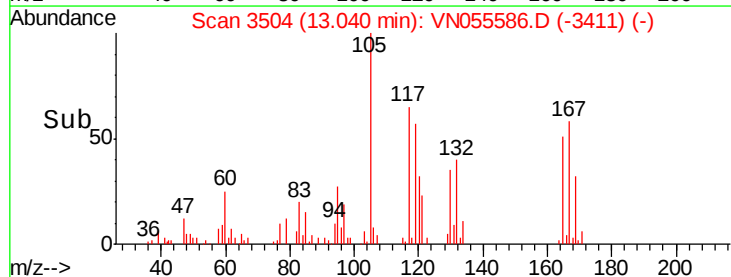
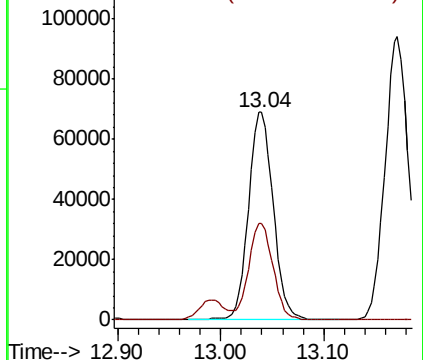


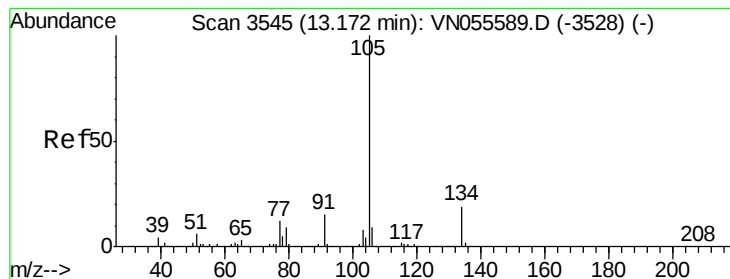
#84  
 1,2,4-Trimethylbenzene  
 Concen: 4.779 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion:105 Resp: 114779  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 22.2 66.6



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





#85

sec-Butylbenzene

Concen: 4.983 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

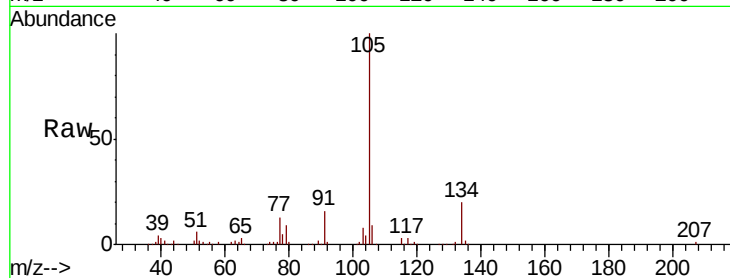
VSTDIC005

Tot Ion:105 Resp: 148355

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

100000

80000

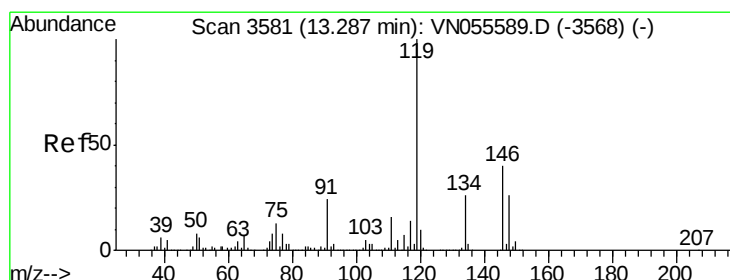
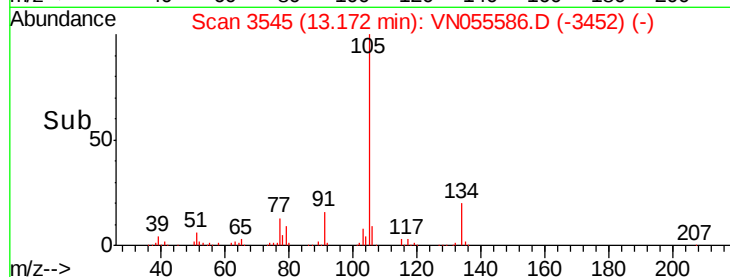
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 4.618 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

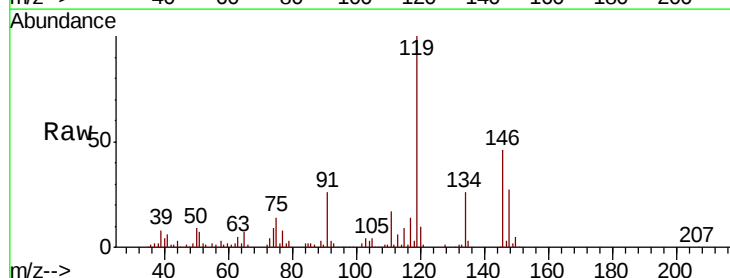
Tgt Ion:119 Resp: 111877

Ion Ratio Lower Upper

119 100

134 26.7 13.0 39.0

91 24.4 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

80000

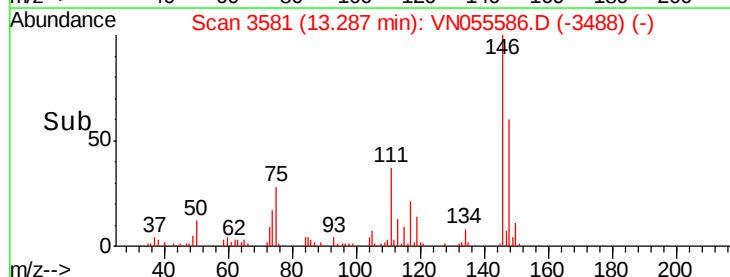
60000

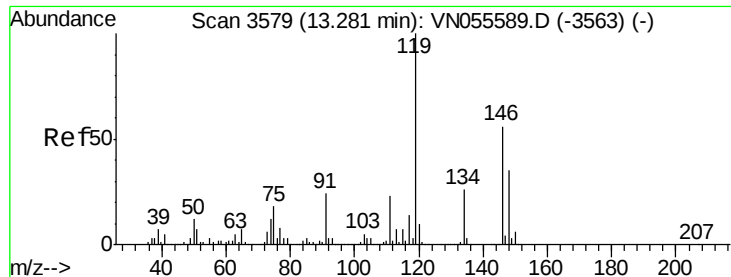
40000

20000

0

Time-->

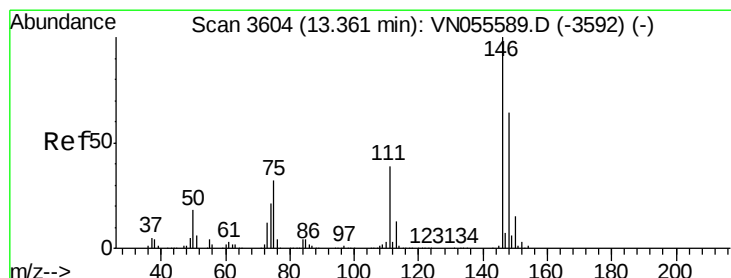
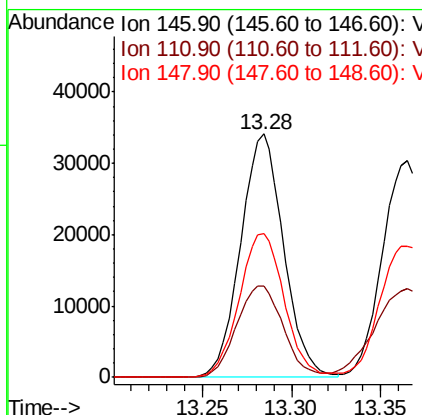
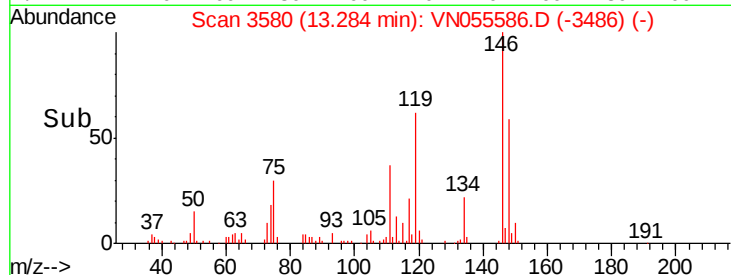
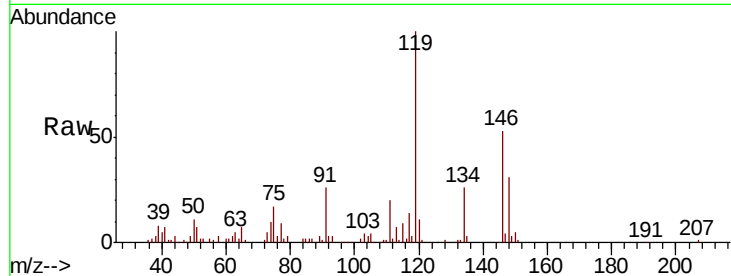




#87  
 1,3-Dichlorobenzene  
 Concen: 5.138 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

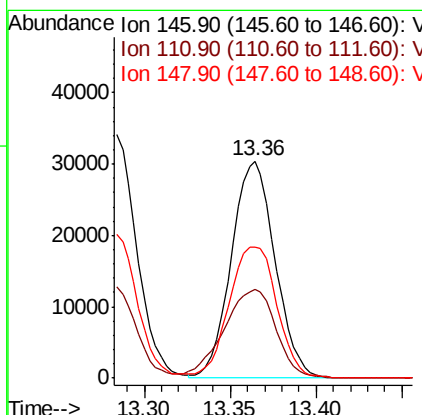
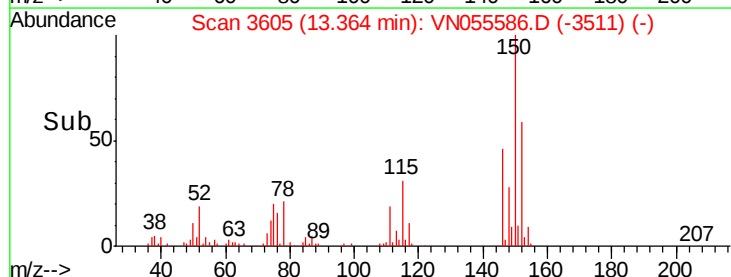
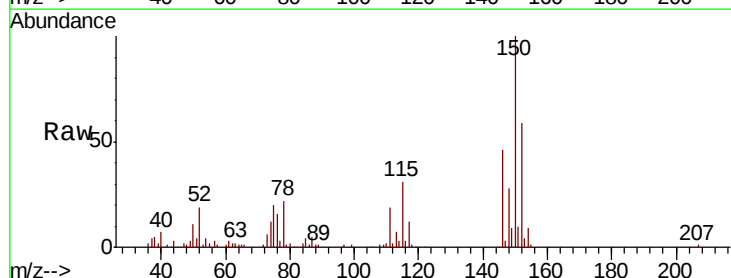
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

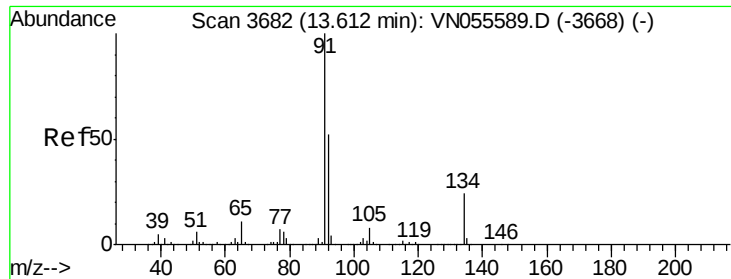
Tot Ion:146 Resp: 57485  
 Ion Ratio Lower Upper  
 146 100  
 111 40.5 20.5 61.5  
 148 61.9 32.3 96.9



#88  
 1,4-Dichlorobenzene  
 Concen: 4.875 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion:146 Resp: 53886  
 Ion Ratio Lower Upper  
 146 100  
 111 49.1 19.7 59.0  
 148 66.5 31.8 95.4





#89

n-Butylbenzene

Concen: 4.115 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

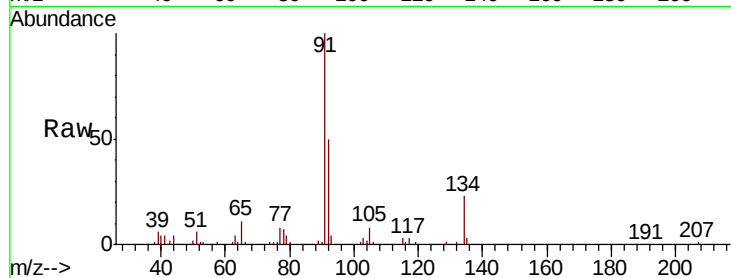
Tot Ion: 91 Resp: 76503

Ion Ratio Lower Upper

91 100

92 50.9 25.9 77.8

134 23.5 12.2 36.4

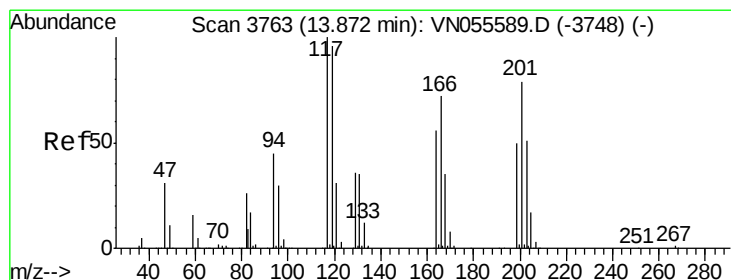
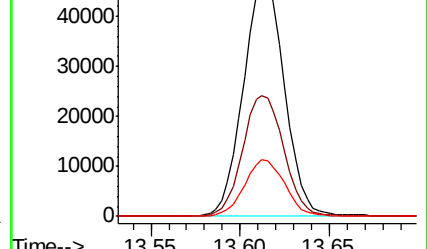
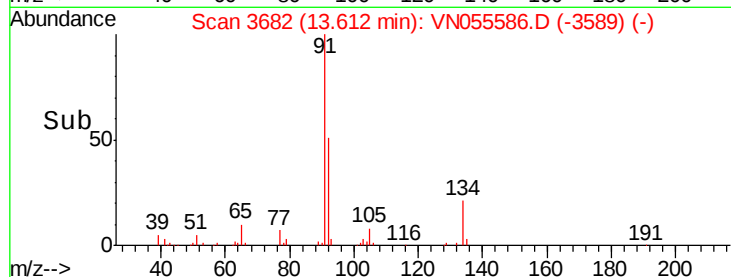


Abundance Ion 91.00 (90.70 to 91.70): VN055589.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055589.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055589.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 5.295 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055586.D

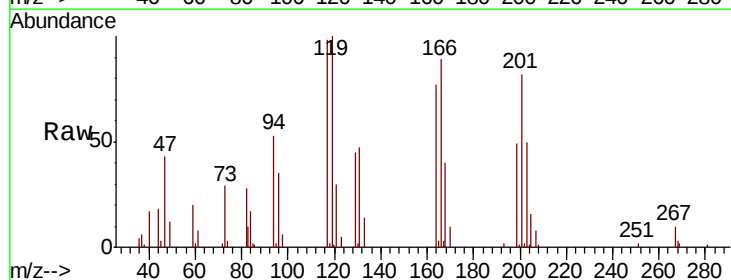
Acq: 14 May 2019 11:32

Tgt Ion: 117 Resp: 20953

Ion Ratio Lower Upper

117 100

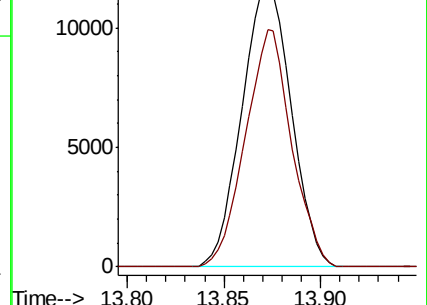
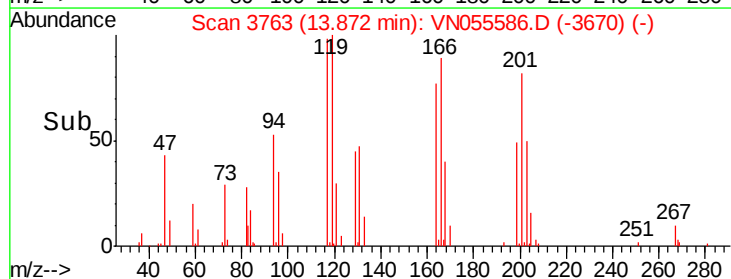
201 78.5 40.6 121.8

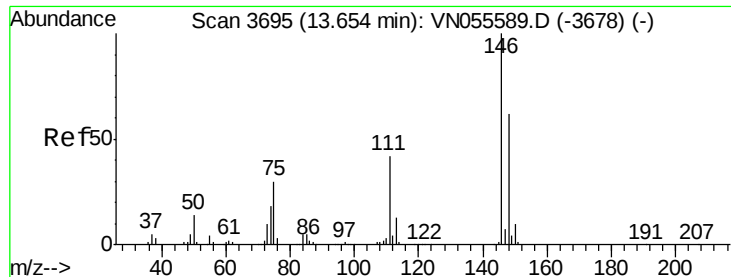


Abundance Ion 116.80 (116.50 to 117.50): VN055589.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055589.D (-3748) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 4.941 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

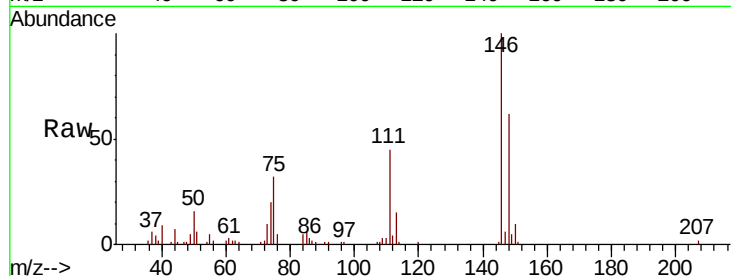
Tot Ion:146 Resp: 55317

Ion Ratio Lower Upper

146 100

111 43.9 21.0 63.0

148 63.4 31.3 93.9

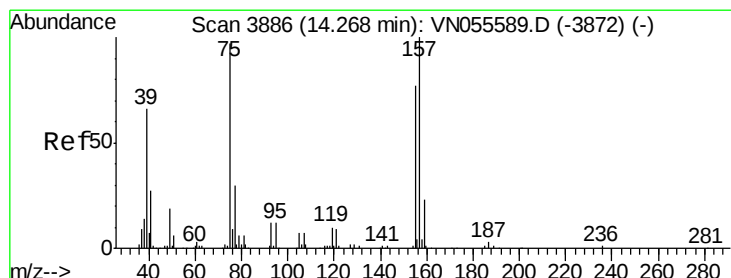
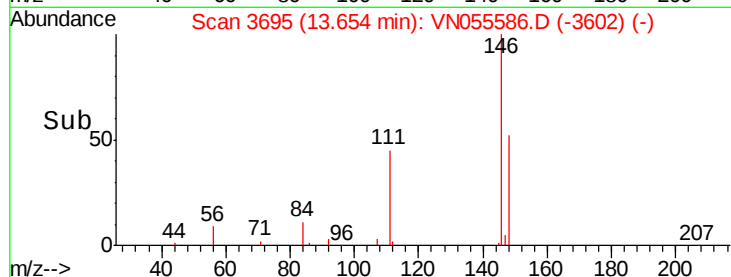
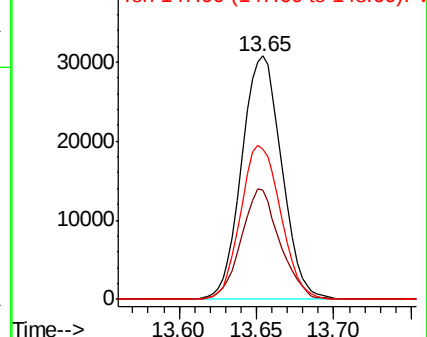


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.575 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

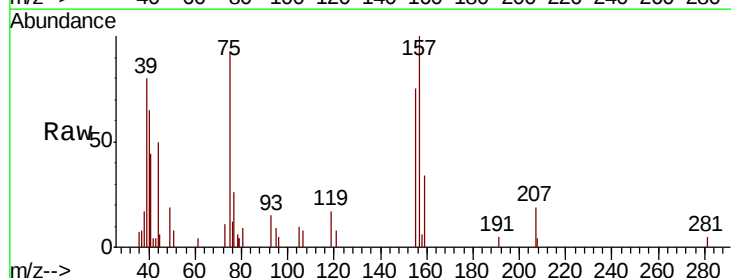
Tgt Ion: 75 Resp: 6782

Ion Ratio Lower Upper

75 100

155 79.2 40.4 121.1

157 92.7 52.1 156.4

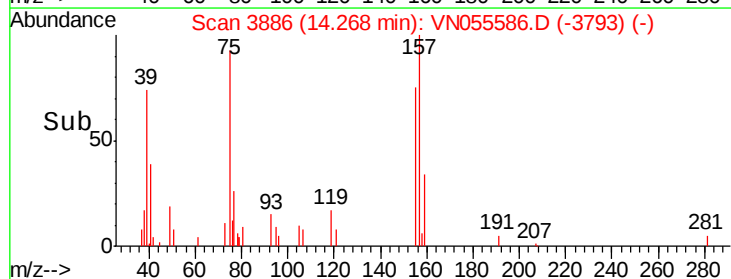
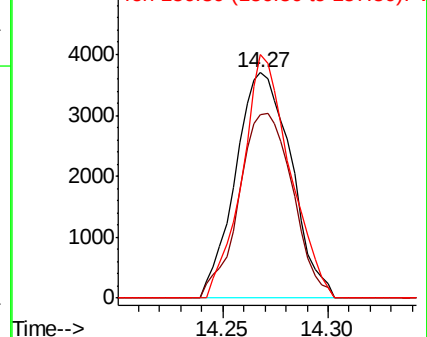


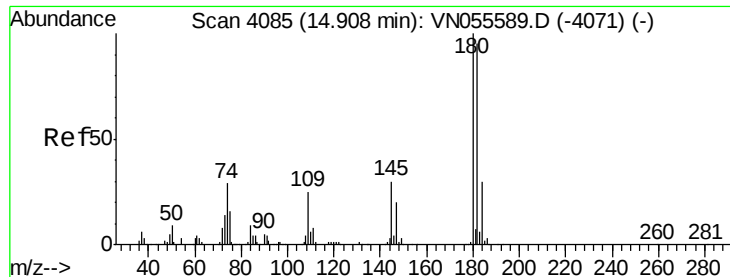
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

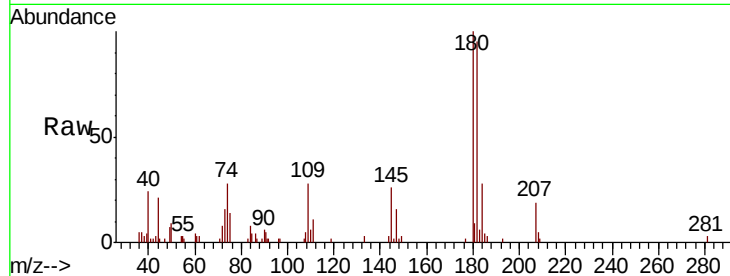




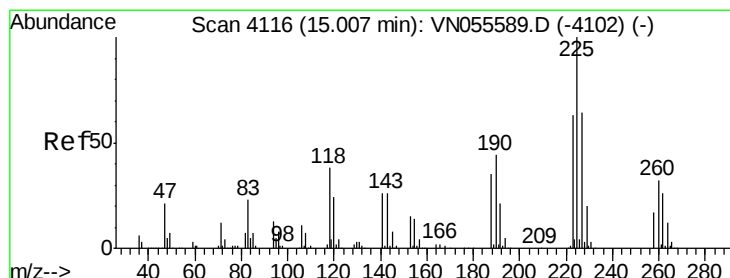
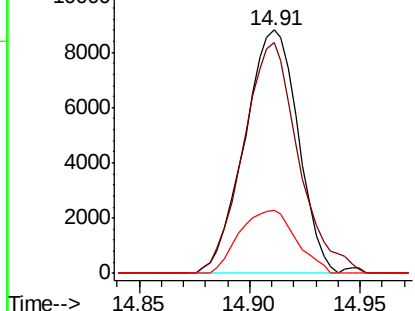
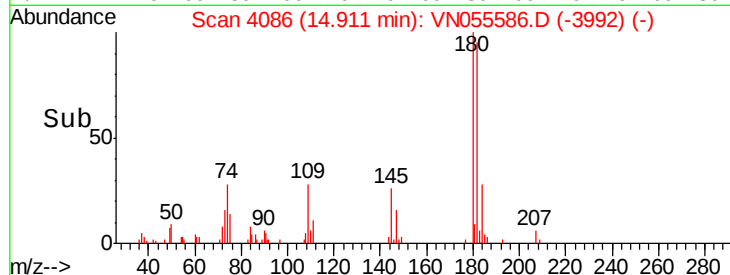
#93  
 1,2,4-Trichlorobenzene  
 Concen: 3.897 ug/l  
 RT: 14.91 min Scan# 4086  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Tot Ion:180 Resp: 14756  
 Ion Ratio Lower Upper  
 180 100  
 182 97.9 47.4 142.3  
 145 27.4 14.9 44.7

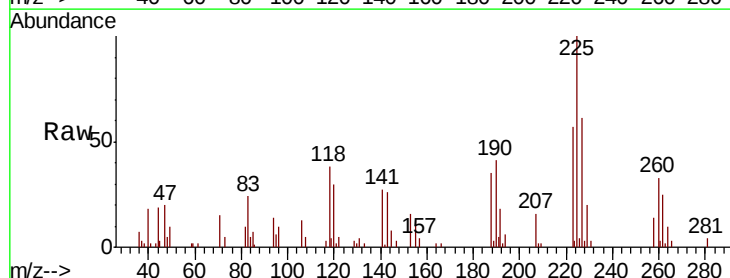


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

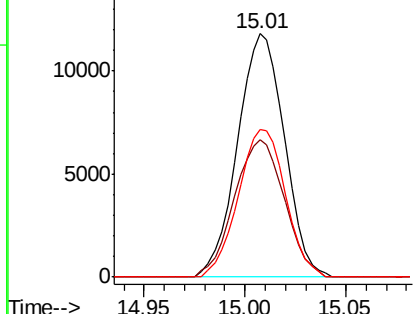
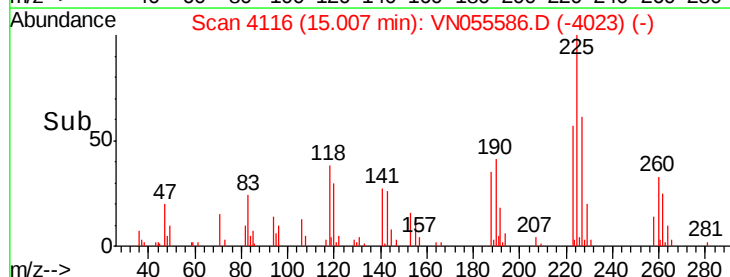


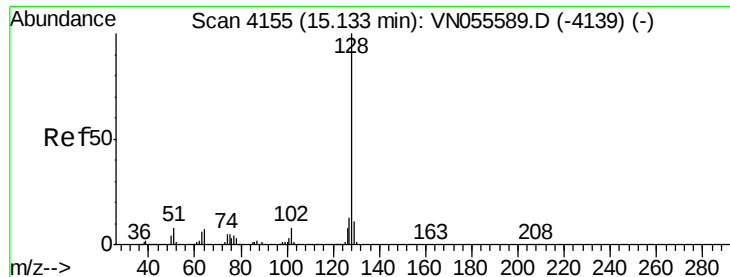
#94  
 Hexachlorobutadiene  
 Concen: 4.795 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055586.D  
 Acq: 14 May 2019 11:32

Tgt Ion:225 Resp: 19229  
 Ion Ratio Lower Upper  
 225 100  
 223 60.2 31.6 95.0  
 227 61.0 32.4 97.0



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: 4.007 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA\_N

ClientSampleId :

VSTDIC005

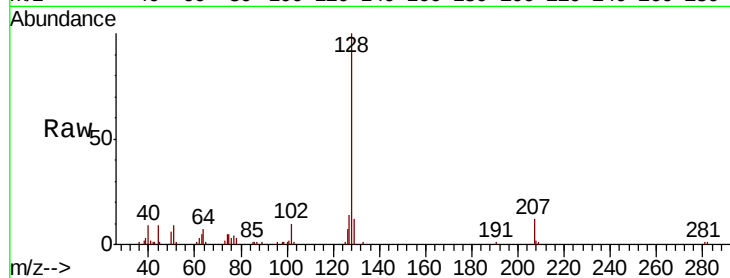
Tot Ion:128 Resp: 44337

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

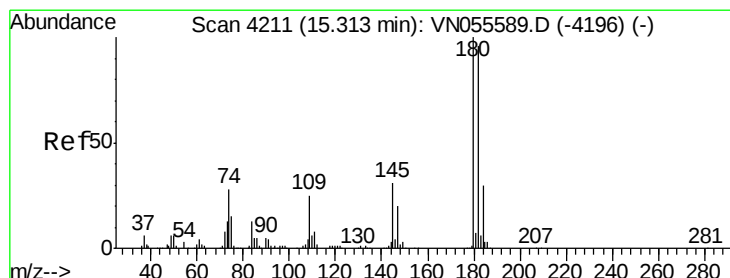
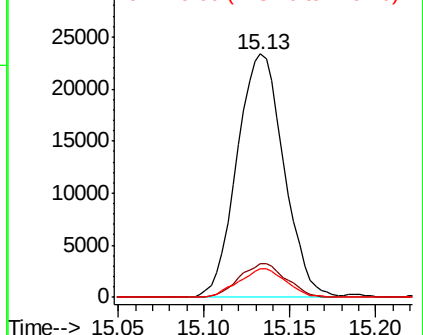
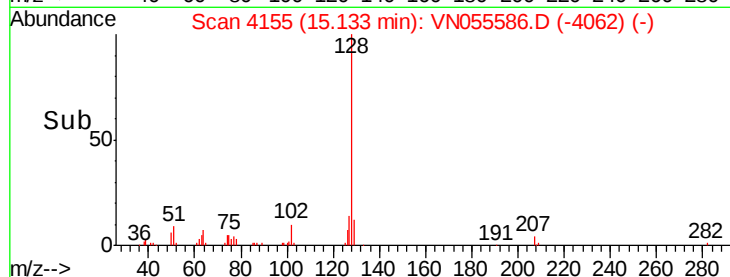
129 11.8 8.8 13.2



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: 3.731 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

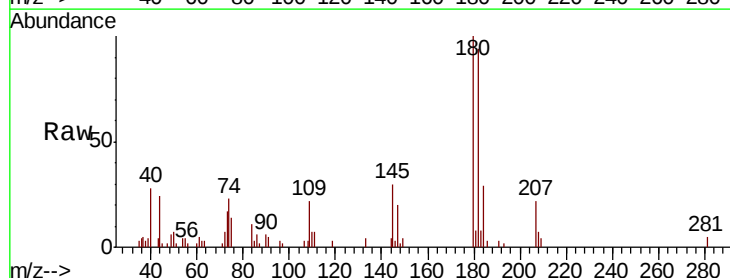
Tgt Ion:180 Resp: 16562

Ion Ratio Lower Upper

180 100

182 94.4 47.9 143.6

145 33.2 15.6 46.7



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

