

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\  
 Data File : VN054357.D  
 Acq On : 17 Mar 2019 1:26  
 Operator : JC/SP  
 Sample : VN0316WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

Quant Time: Mar 18 04:57:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1148749  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1837913  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1590263  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 702585   | 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   | 669798   | 54.90 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.80% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 610063   | 51.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.94% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2158203  | 49.30 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.60%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 717596   | 46.85 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.70%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85   | 227638   | 20.909  | ug/l   | 99     |
| 3) Chloromethane              | 2.06 | 50   | 217196   | 20.538  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.19 | 62   | 254462   | 21.052  | ug/l   | 99     |
| 5) Bromomethane               | 2.57 | 94   | 179614   | 21.455  | ug/l   | 97     |
| 6) Chloroethane               | 2.71 | 64   | 152251   | 20.818  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.02 | 101  | 327238   | 20.362  | ug/l   | 100    |
| 8) Diethyl Ether              | 3.41 | 74   | 176087   | 24.044  | ug/l   | 95     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101  | 255231   | 21.194  | ug/l   | 99     |
| 10) Methyl Iodide             | 3.94 | 142  | 383206   | 23.233  | ug/l   | 100    |
| 11) Tert butyl alcohol        | 4.82 | 59   | 86537    | 103.470 | ug/l # | 90     |
| 12) 1,1-Dichloroethene        | 3.73 | 96   | 263716   | 22.097  | ug/l   | 98     |
| 13) Acrolein                  | 3.61 | 56   | 68435    | 86.352  | ug/l   | 97     |
| 14) Allyl chloride            | 4.32 | 41   | 308541   | 20.150  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.00 | 53   | 423492   | 123.271 | ug/l   | 99     |
| 16) Acetone                   | 3.82 | 43   | 315507   | 90.324  | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.04 | 76   | 509326   | 17.024  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.33 | 43   | 199075   | 28.169  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.06 | 73   | 681090   | 23.024  | ug/l   | 99     |
| 20) Methylene Chloride        | 4.55 | 84   | 256866   | 22.395  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96   | 244408   | 21.374  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.96 | 45   | 697343   | 22.819  | ug/l   | 99     |
| 23) Vinyl Acetate             | 5.90 | 43   | 2414709  | 107.167 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63   | 438588   | 22.352  | ug/l   | 100    |
| 25) 2-Butanone                | 6.85 | 43   | 472726   | 115.305 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 6.82 | 77   | 228555   | 13.245  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96   | 289129   | 22.665  | ug/l   | 96     |
| 28) Bromochloromethane        | 7.19 | 49   | 182833   | 22.792  | ug/l   | 98     |
| 29) Tetrahydrofuran           | 7.22 | 42   | 320881   | 121.730 | ug/l   | 99     |
| 30) Chloroform                | 7.37 | 83   | 473810   | 23.140  | ug/l   | 97     |
| 31) Cyclohexane               | 7.65 | 56   | 379791   | 19.965  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97   | 397233   | 21.481  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75   | 334219   | 19.746  | ug/l   | 100    |
| 37) Ethyl Acetate             | 6.94 | 43   | 219104   | 22.529  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.77 | 117  | 333915   | 18.813  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\  
 Data File : VN054357.D  
 Acq On : 17 Mar 2019 1:26  
 Operator : JC/SP  
 Sample : VN0316WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

Quant Time: Mar 18 04:57:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 13 03:33:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 377051   | 18.106  | ug/l   | 100      |
| 40) Benzene                    | 8.04  | 78   | 1025926  | 21.182  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 111670   | 20.110  | ug/l   | 93       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 350167   | 21.414  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 345294   | 20.228  | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 310152   | 20.614  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 262324   | 21.812  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 175567   | 21.606  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 331659   | 20.359  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 186174   | 21.491  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.20  | 88   | 59319    | 484.090 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1021861  | 113.115 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 649714   | 21.156  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 275720   | 16.196  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 346477   | 18.252  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 246465   | 21.979  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 278034   | 20.794  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 399706   | 21.799  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 544812   | 104.426 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 642535   | 106.892 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 247944   | 19.644  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 246128   | 21.599  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 316883   | 20.610  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 739932   | 21.191  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 262434   | 20.689  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1192319  | 20.599  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 940984   | 41.594  | ug/l   | 98       |
| 69) o-Xylene                   | 11.95 | 106  | 470694   | 21.343  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 723215   | 20.910  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 156910   | 17.815  | ug/l   | 100      |
| 73) Isopropylbenzene           | 12.25 | 105  | 1225174  | 21.796  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 272829   | 21.867  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 286765   | 23.945  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 318807   | 30.857  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 321481   | 21.613  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 1286760  | 21.097  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 802920   | 21.894  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 992402   | 21.225  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 38357    | 12.691  | ug/l # | 71       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 765620   | 20.908  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 922291   | 21.431  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 976514   | 21.289  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1144187  | 20.501  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 982431   | 20.064  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 528040   | 21.068  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 516437   | 20.975  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 688263   | 18.500  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 143978   | 17.758  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 542480   | 22.140  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 39055    | 21.074  | ug/l   | 96       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\  
Data File : VN054357.D  
Acq On : 17 Mar 2019 1:26  
Operator : JC/SP  
Sample : VN0316WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 30 Sample Multiplier: 1

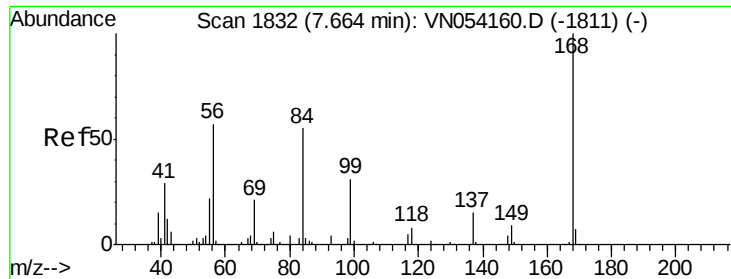
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

Quant Time: Mar 18 04:57:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031219W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 13 03:33:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 237919   | 17.791 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 165459   | 17.729 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 532176   | 19.541 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 250205   | 19.219 | 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: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

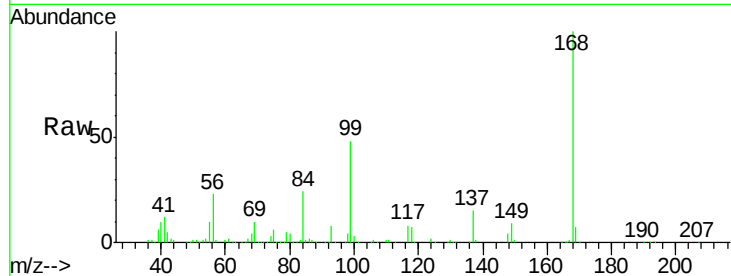
VN0316WBS02

Tot Ion:168 Resp: 1148749

Ion Ratio Lower Upper

168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

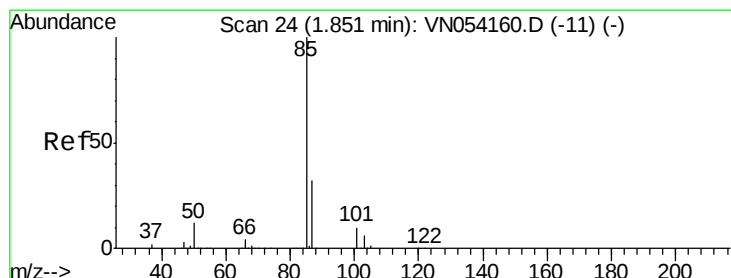
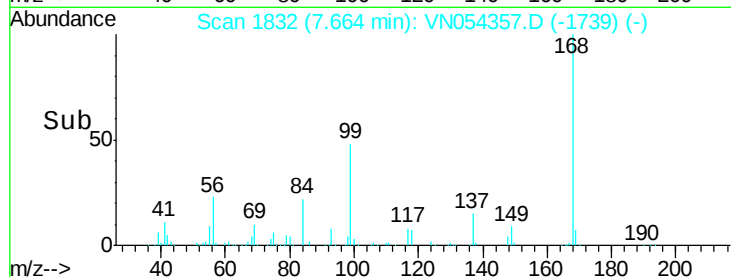
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.909 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054357.D

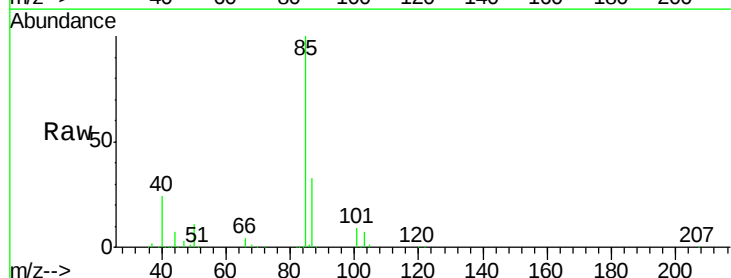
Acq: 17 Mar 2019 1:26

Tgt Ion: 85 Resp: 227638

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

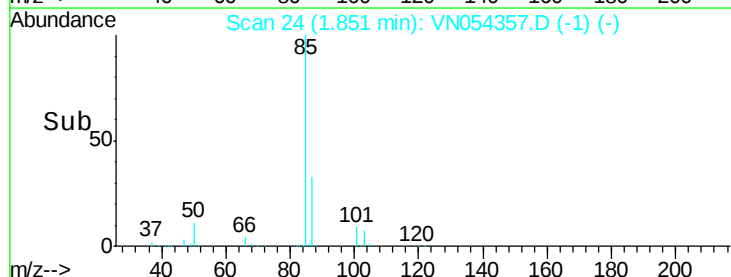
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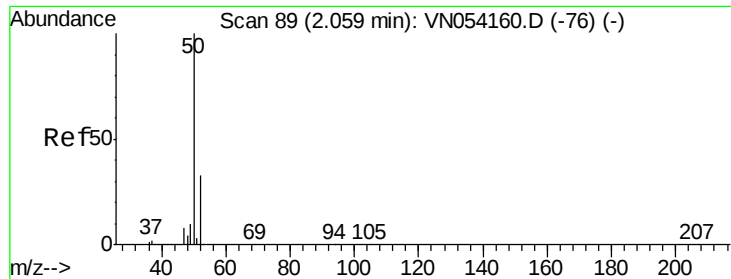
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50000

0

Time-->





#3

Chloromethane

Concen: 20.538 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

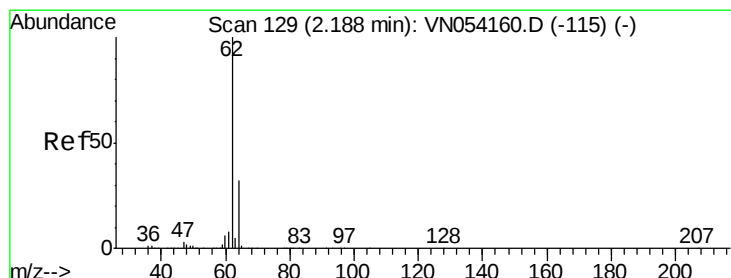
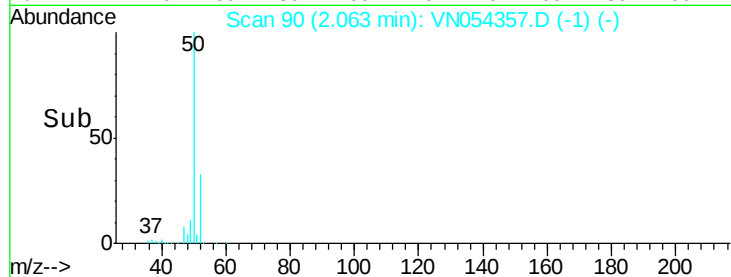
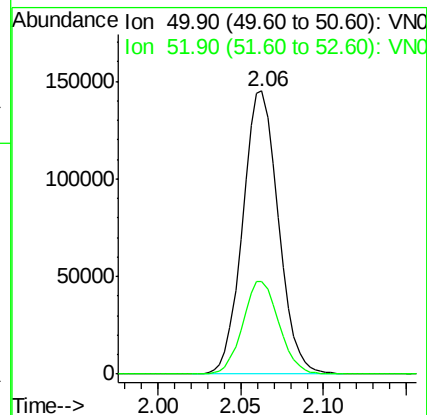
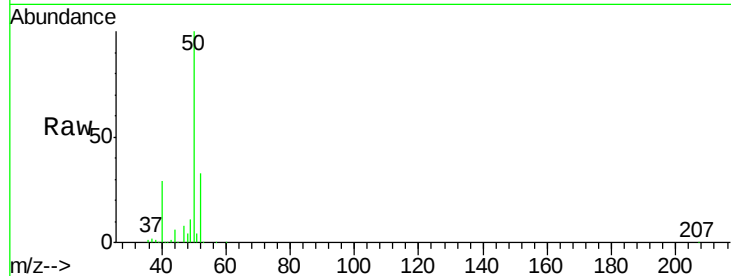
VN0316WBS02

Tot Ion: 50 Resp: 217196

Ion Ratio Lower Upper

50 100

52 33.0 26.4 39.6



#4

Vinyl Chloride

Concen: 21.052 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054357.D

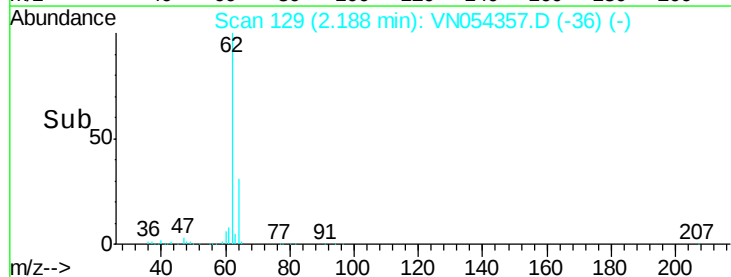
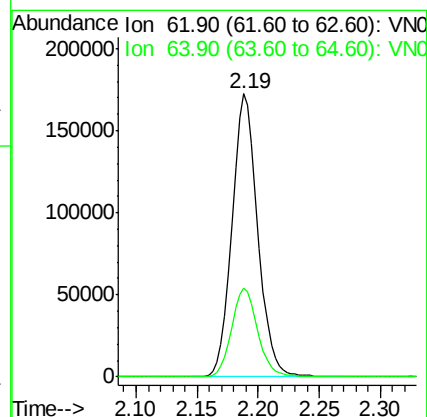
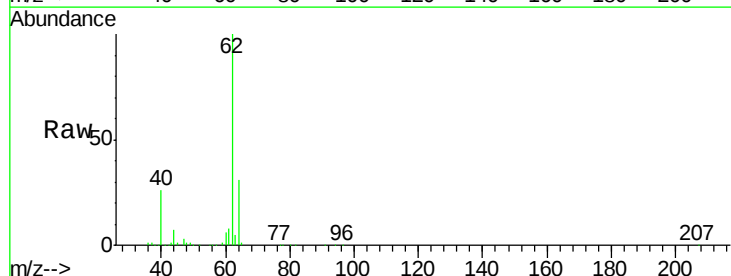
Acq: 17 Mar 2019 1:26

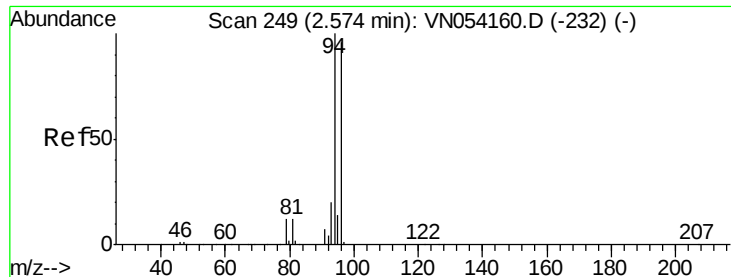
Tgt Ion: 62 Resp: 254462

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 21.455 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampled :

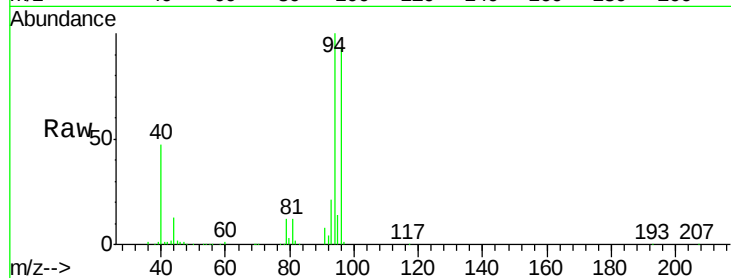
VN0316WBS02

Tot Ion: 94 Resp: 179614

Ion Ratio Lower Upper

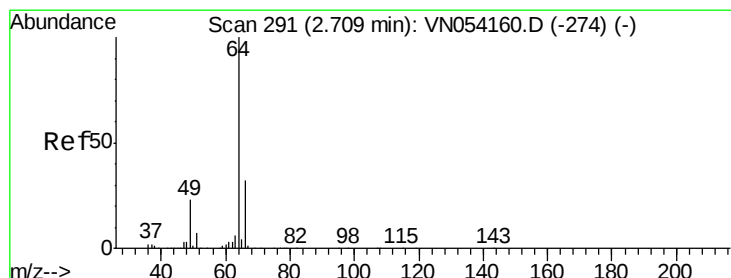
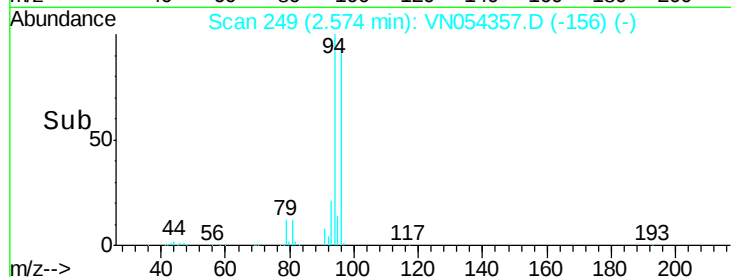
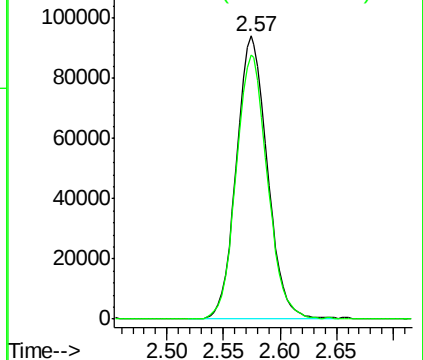
94 100

96 93.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.818 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054357.D

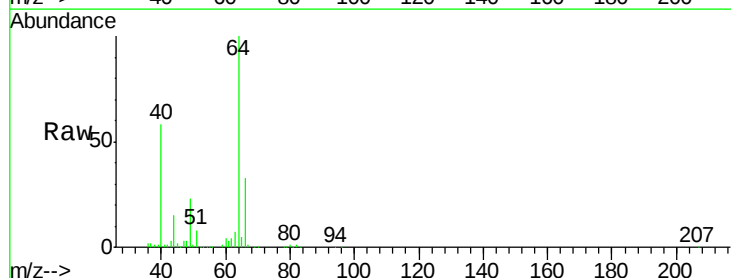
Acq: 17 Mar 2019 1:26

Tgt Ion: 64 Resp: 152251

Ion Ratio Lower Upper

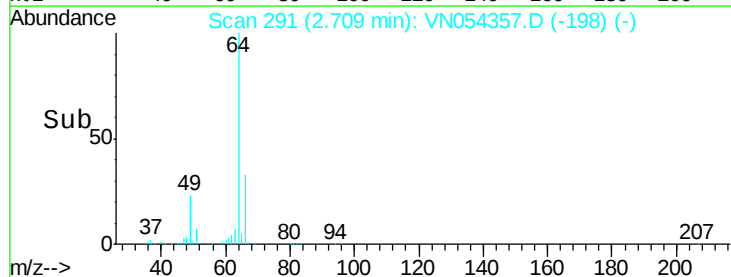
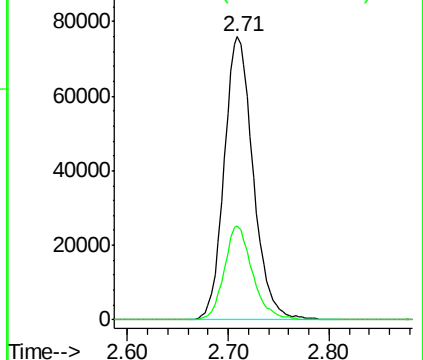
64 100

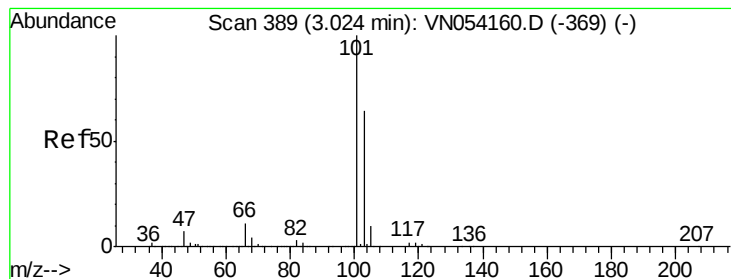
66 33.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



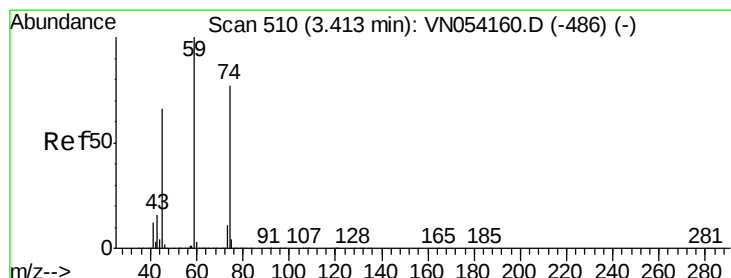
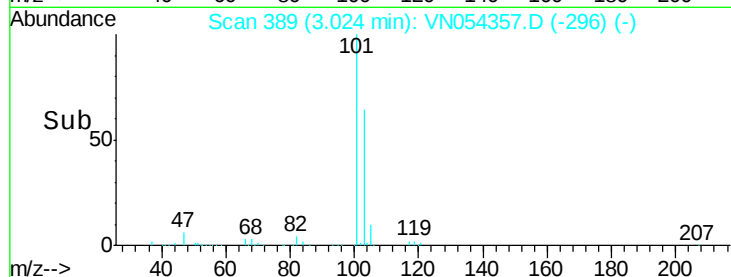
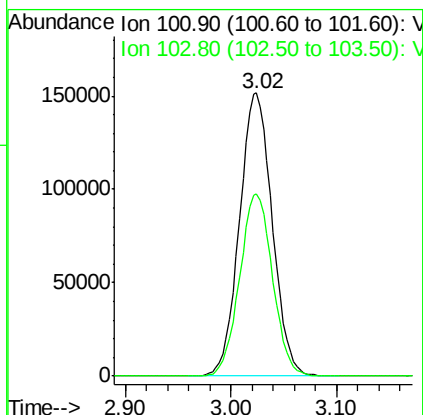
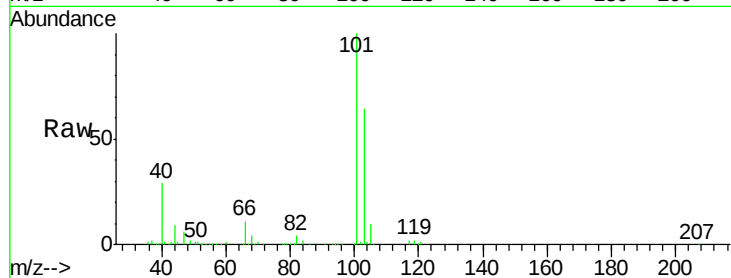


#7

Trichlorofluoromethane  
 Concen: 20.362 ug/l  
 RT: 3.02 min Scan# 389  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

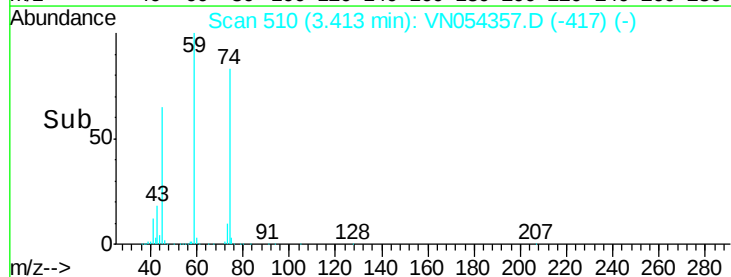
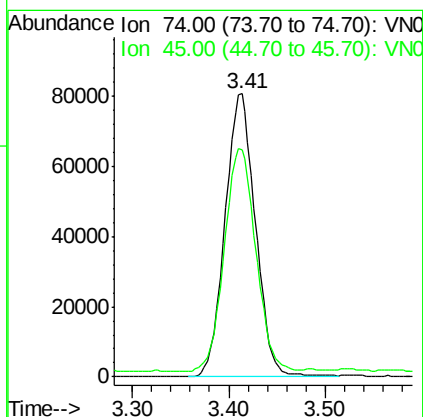
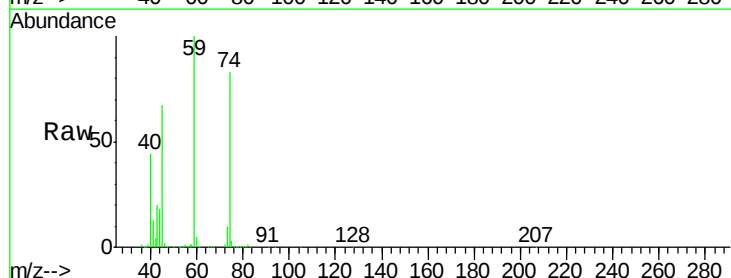
Tot Ion:101 Resp: 327238  
 Ion Ratio Lower Upper  
 101 100  
 103 64.3 51.4 77.2

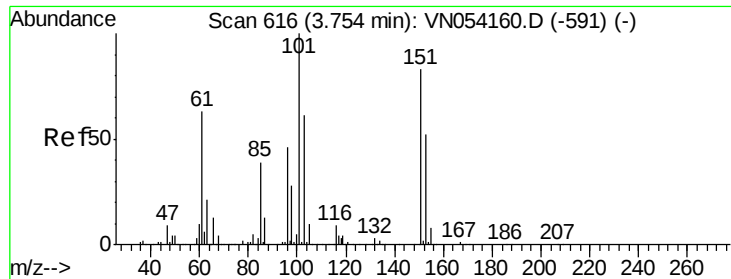


#8

Diethyl Ether  
 Concen: 24.044 ug/l  
 RT: 3.41 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Tgt Ion: 74 Resp: 176087  
 Ion Ratio Lower Upper  
 74 100  
 45 82.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.194 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampled :

VN0316WBS02

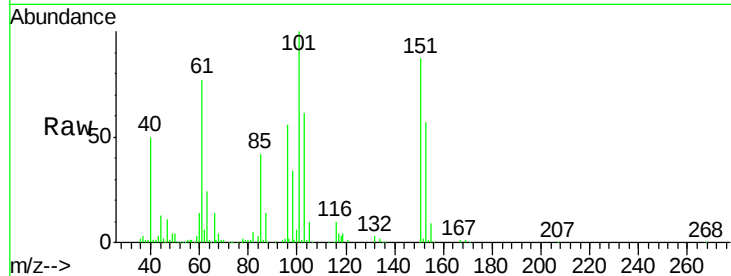
Tot Ion:101 Resp: 255231

Ion Ratio Lower Upper

101 100

85 40.9 32.4 48.6

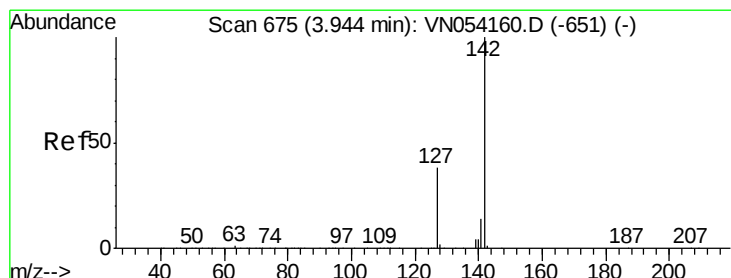
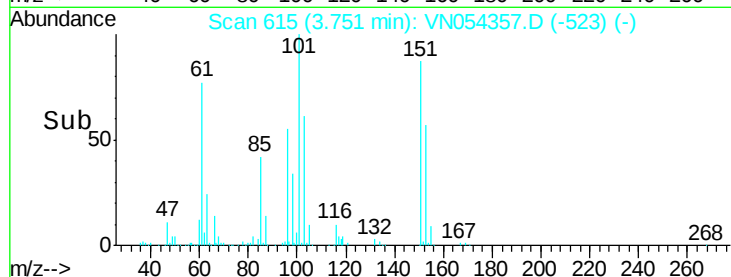
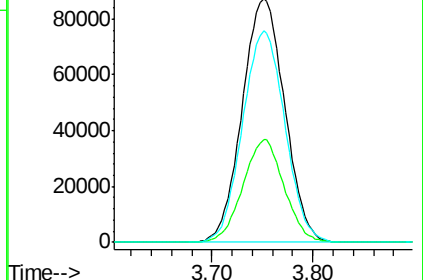
151 86.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.233 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

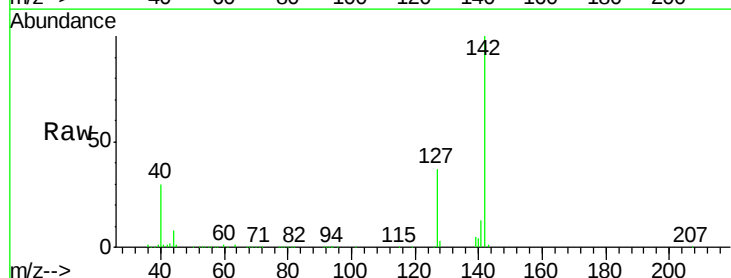
Tgt Ion:142 Resp: 383206

Ion Ratio Lower Upper

142 100

127 38.0 30.3 45.5

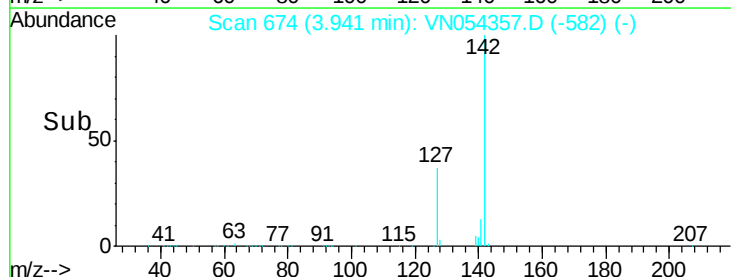
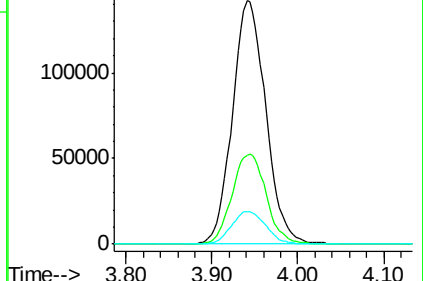
141 13.8 11.2 16.8

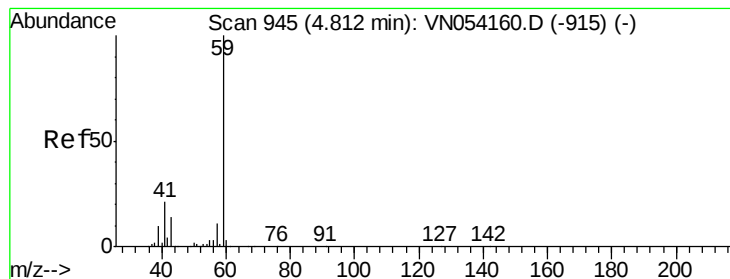


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



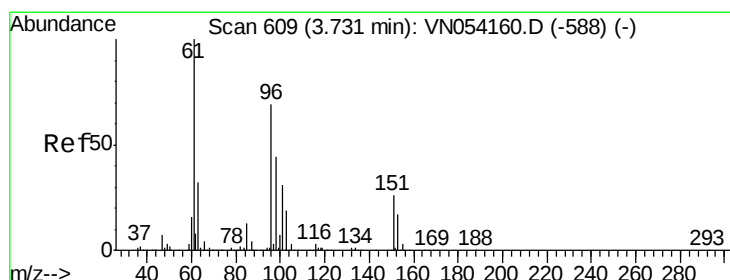
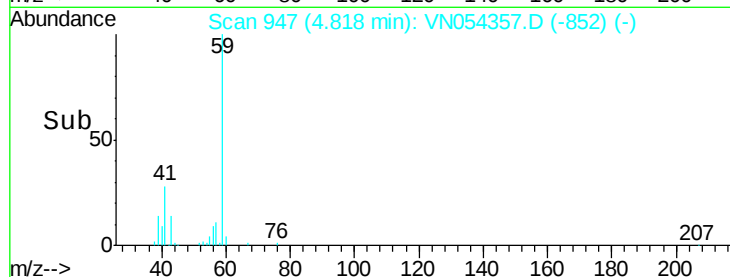
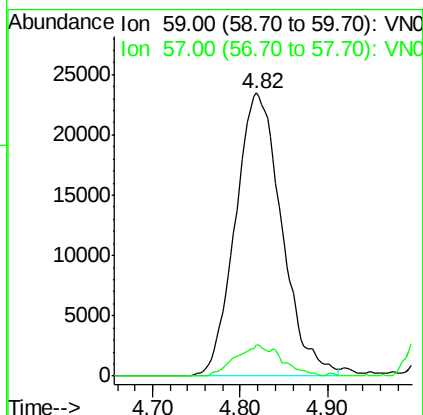
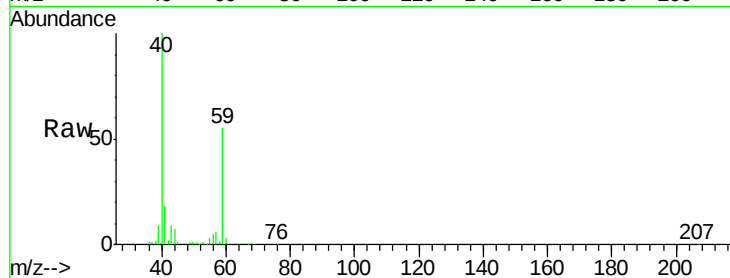


#11

Tert butyl alcohol  
 Concen: 103.470 ug/l  
 RT: 4.82 min Scan# 947  
 Delta R.T. 0.01 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0316WBS02

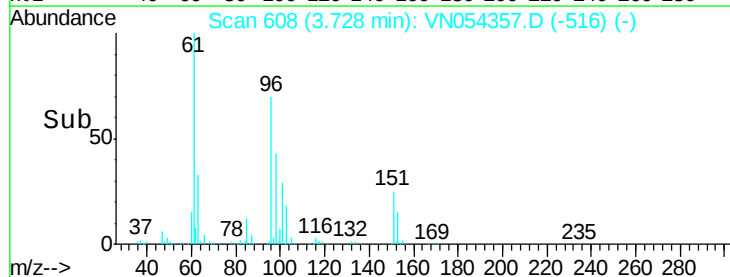
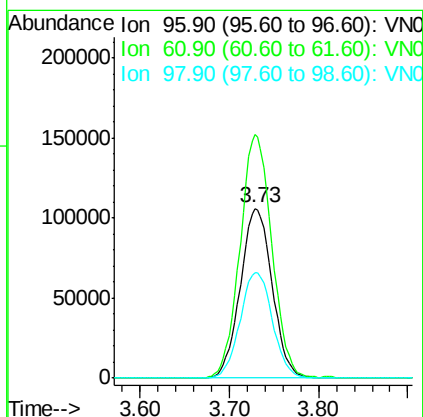
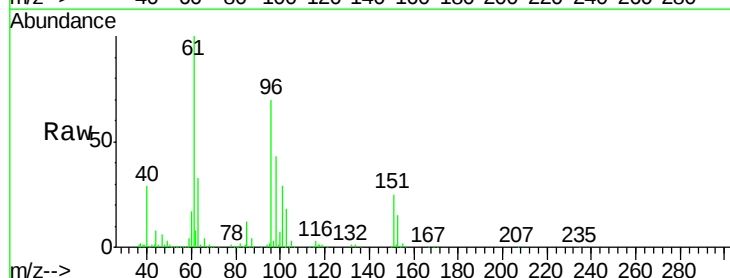
Tot Ion: 59 Resp: 86537  
 Ion Ratio Lower Upper  
 59 100  
 57 7.3 9.0 13.6#

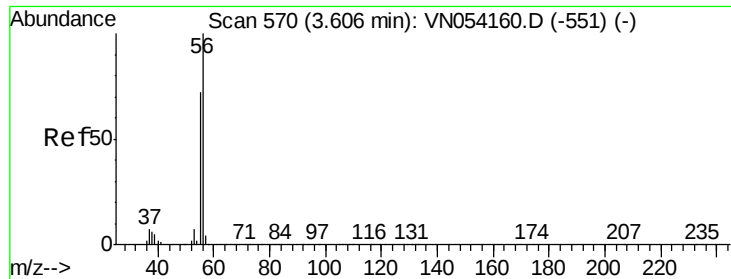


#12

1,1-Dichloroethene  
 Concen: 22.097 ug/l  
 RT: 3.73 min Scan# 608  
 Delta R.T. -0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Tgt Ion: 96 Resp: 263716  
 Ion Ratio Lower Upper  
 96 100  
 61 143.2 116.5 174.7  
 98 62.2 51.0 76.4





#13

Acrolein

Concen: 86.352 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

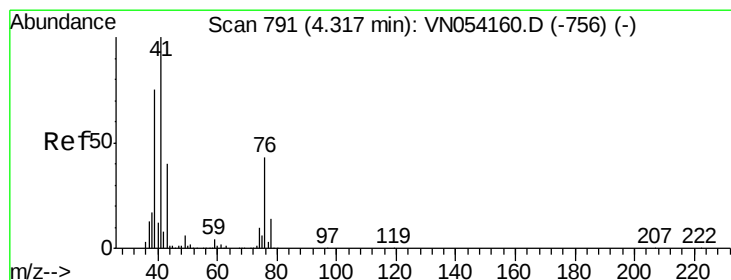
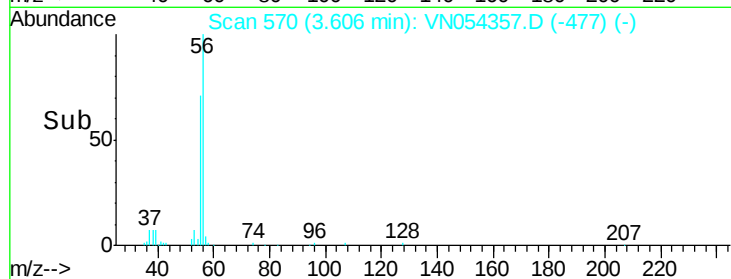
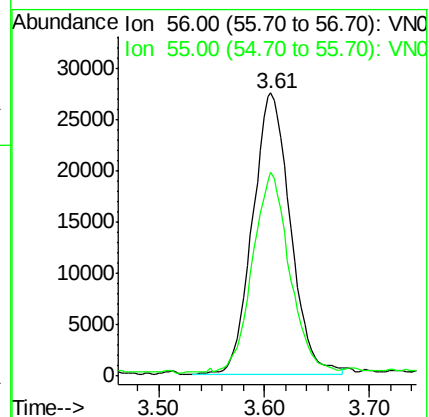
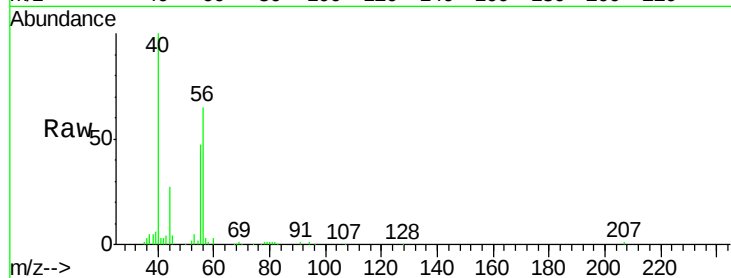
VN0316WBS02

Tot Ion: 56 Resp: 68435

Ion Ratio Lower Upper

56 100

55 68.8 56.7 85.1



#14

Allyl chloride

Concen: 20.150 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

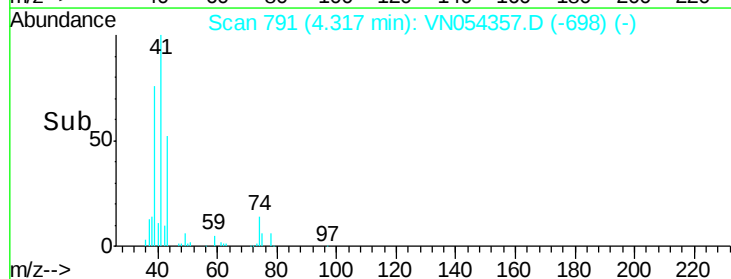
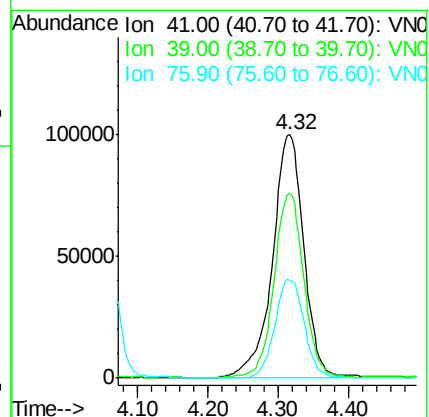
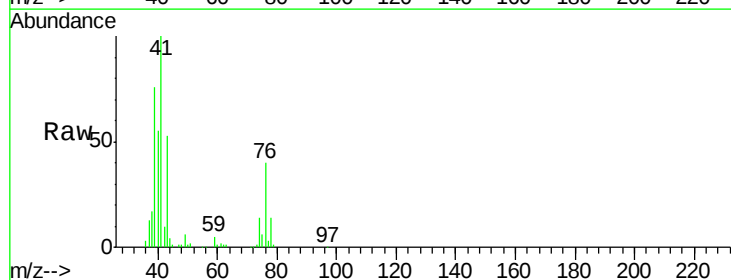
Tgt Ion: 41 Resp: 308541

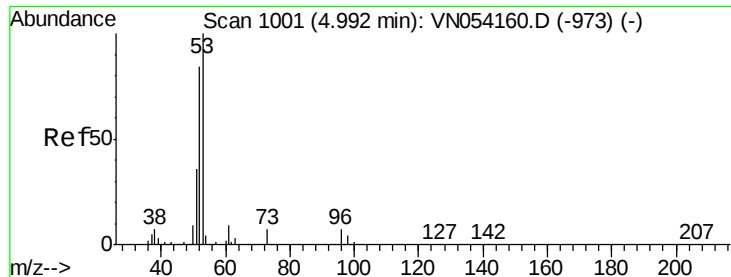
Ion Ratio Lower Upper

41 100

39 72.8 58.2 87.4

76 38.3 31.7 47.5





#15

Acrylonitrile

Concen: 123.271 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

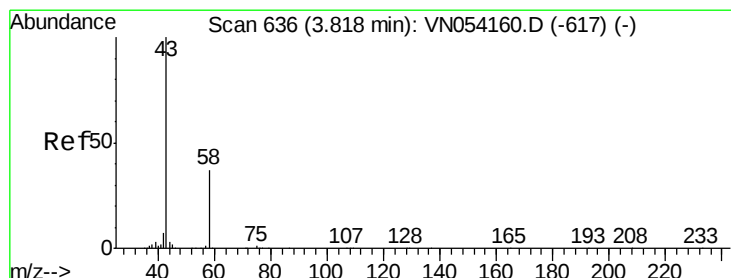
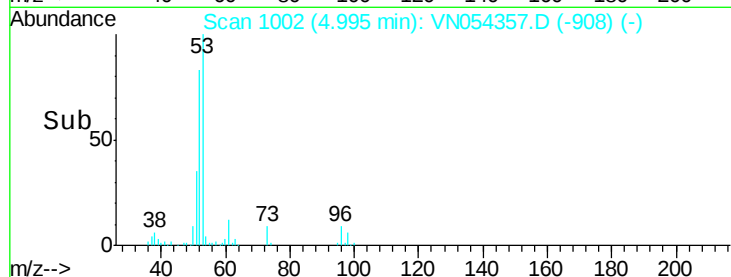
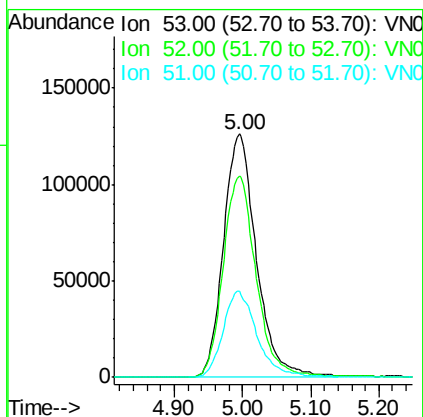
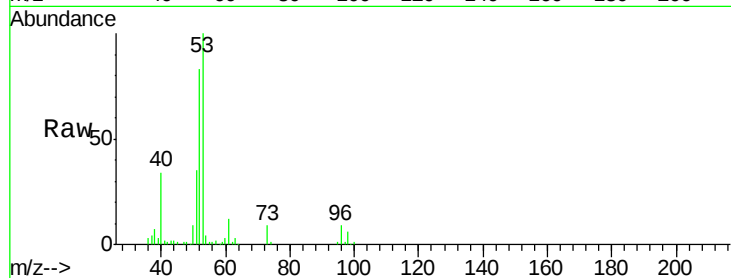
Tot Ion: 53 Resp: 423492

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

51 36.4 29.6 44.4



#16

Acetone

Concen: 90.324 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054357.D

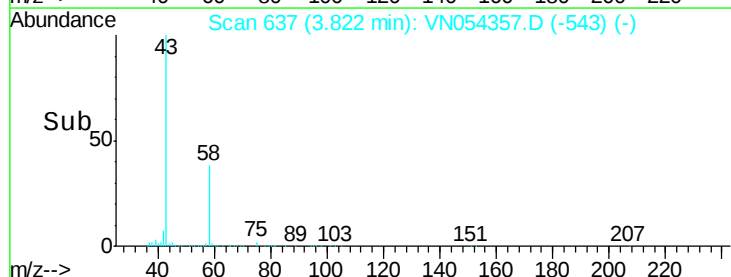
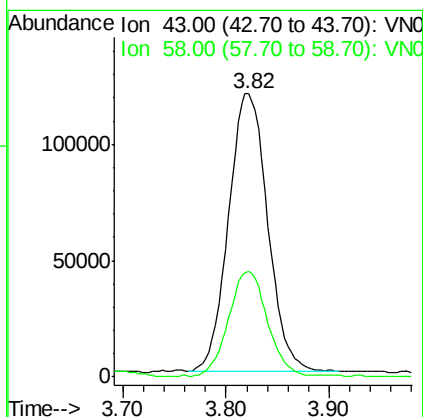
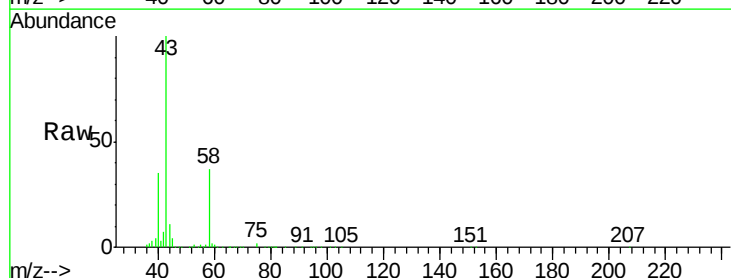
Acq: 17 Mar 2019 1:26

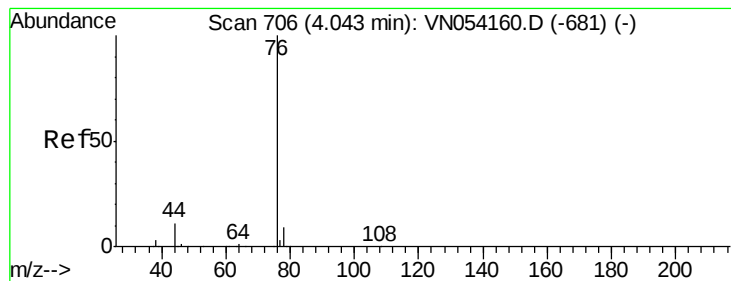
Tgt Ion: 43 Resp: 315507

Ion Ratio Lower Upper

43 100

58 37.6 29.9 44.9





#17

Carbon Disulfide

Concen: 17.024 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

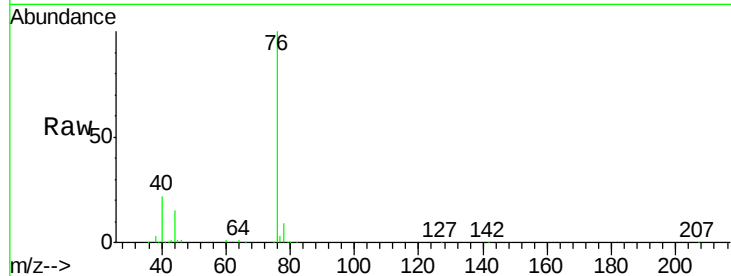
VN0316WBS02

Tot Ion: 76 Resp: 509326

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

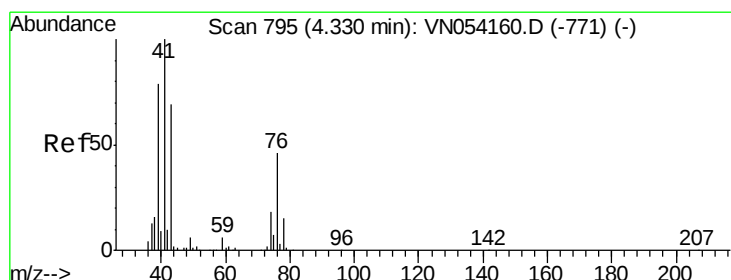
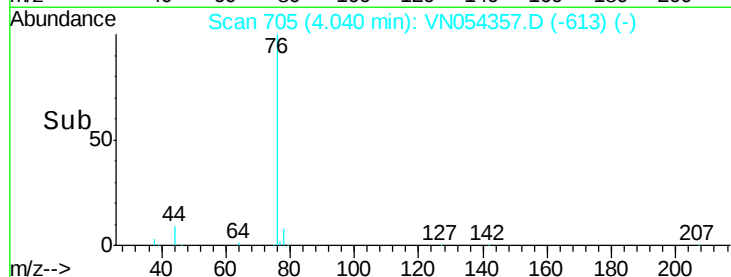
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 28.169 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054357.D

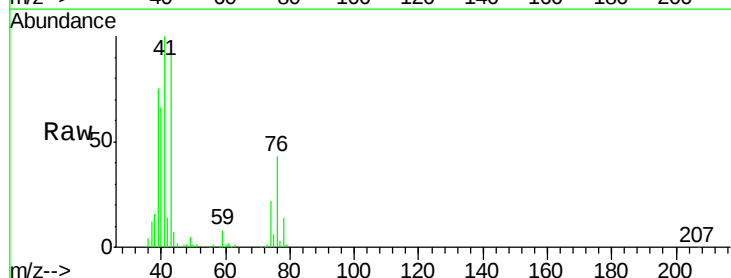
Acq: 17 Mar 2019 1:26

Tgt Ion: 43 Resp: 199075

Ion Ratio Lower Upper

43 100

74 25.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

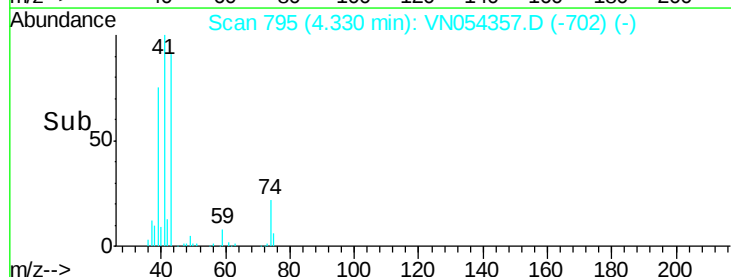
60000

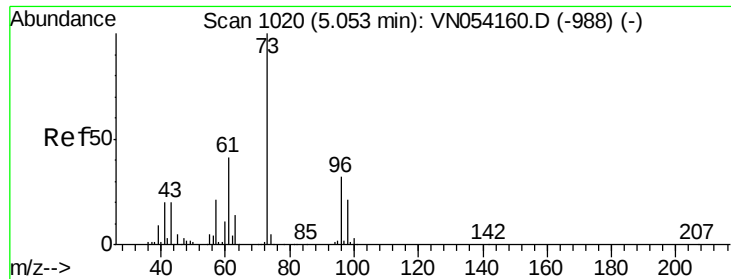
40000

20000

0

Time-->



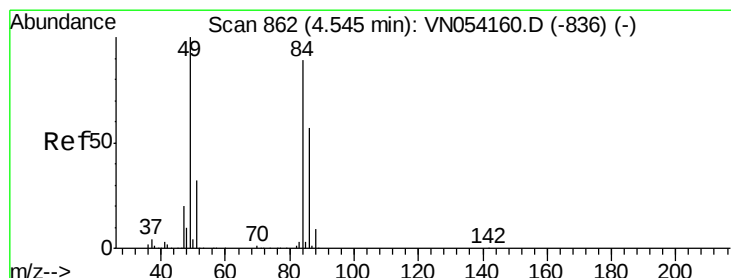
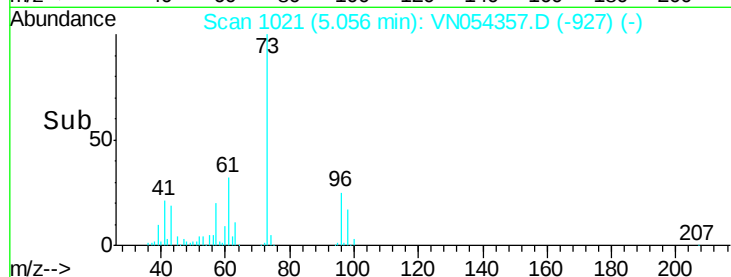
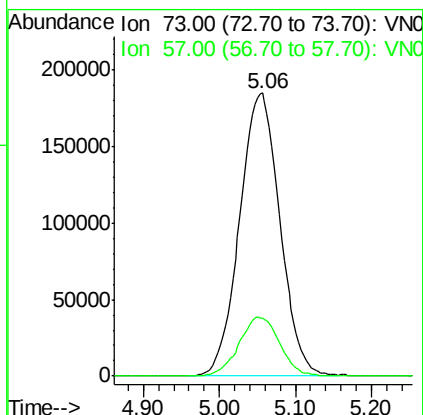
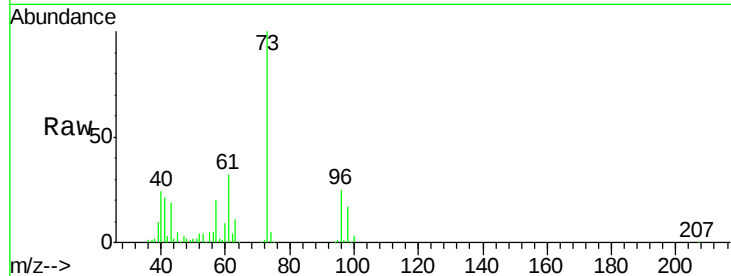


#19

Methyl tert-butyl Ether  
 Concen: 23.024 ug/l  
 RT: 5.06 min Scan# 1021  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

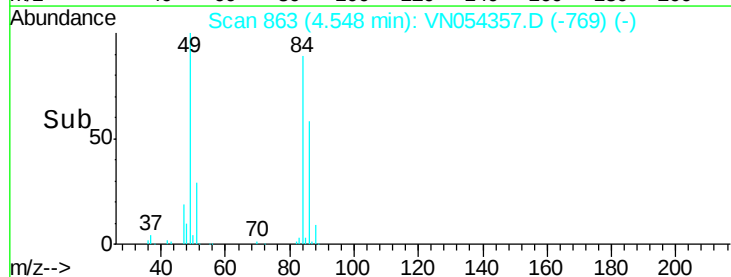
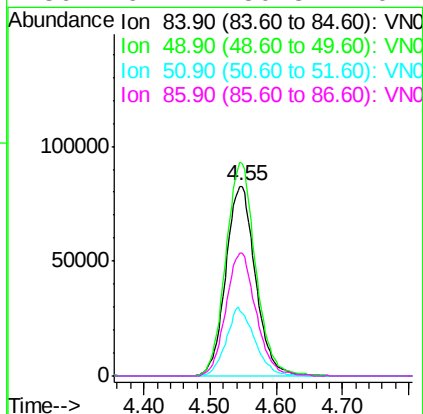
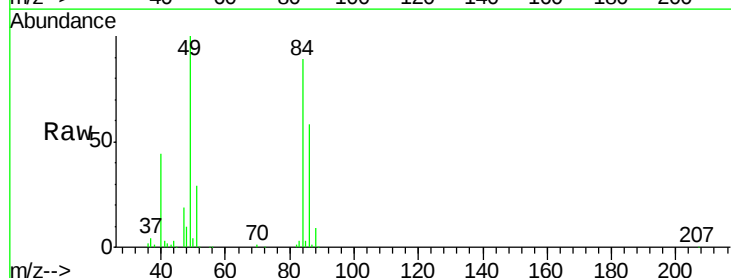
Tot Ion: 73 Resp: 681090  
 Ion Ratio Lower Upper  
 73 100  
 57 20.4 16.8 25.2



#20

Methylene Chloride  
 Concen: 22.395 ug/l  
 RT: 4.55 min Scan# 863  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Tgt Ion: 84 Resp: 256866  
 Ion Ratio Lower Upper  
 84 100  
 49 112.3 89.7 134.5  
 51 32.9 28.2 42.4  
 86 64.7 50.8 76.2

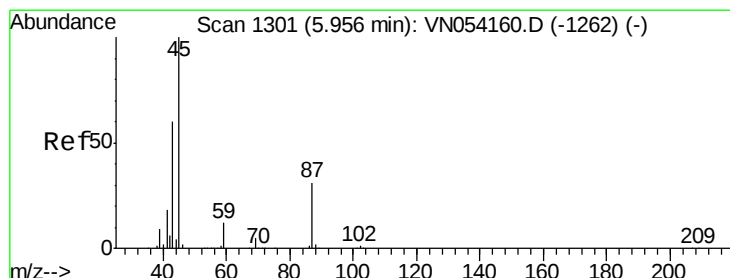
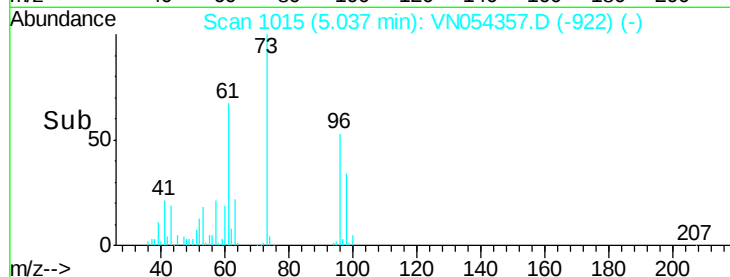
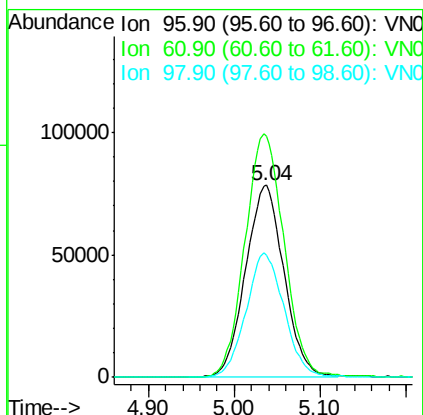
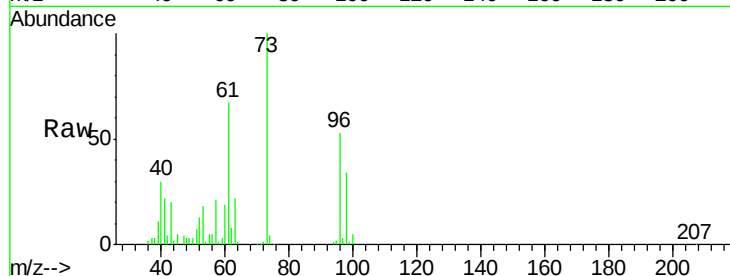




#21  
trans-1,2-Dichloroethene  
Concen: 21.374 ug/l  
RT: 5.04 min Scan# 1015  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

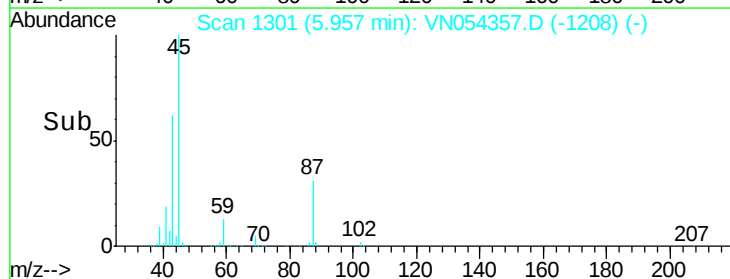
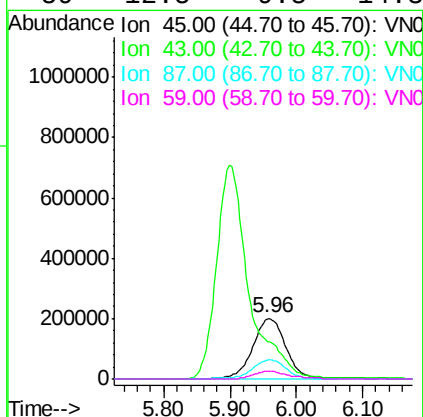
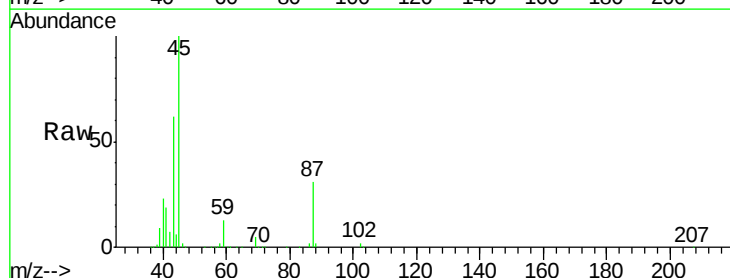
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0316WBS02

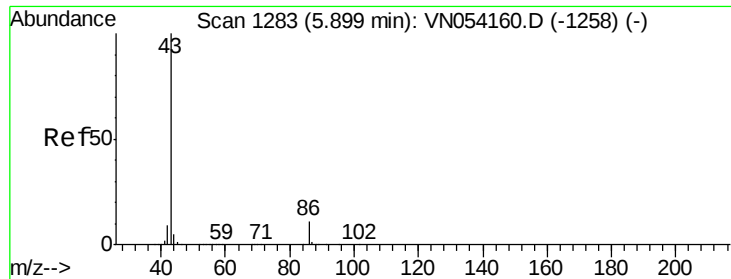
Tot Ion: 96 Resp: 244408  
Ion Ratio Lower Upper  
96 100  
61 125.6 102.8 154.2  
98 63.3 50.0 75.0



#22  
Diisopropyl ether  
Concen: 22.819 ug/l  
RT: 5.96 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion: 45 Resp: 697343  
Ion Ratio Lower Upper  
45 100  
43 61.4 48.2 72.2  
87 30.7 24.9 37.3  
59 12.5 9.5 14.3

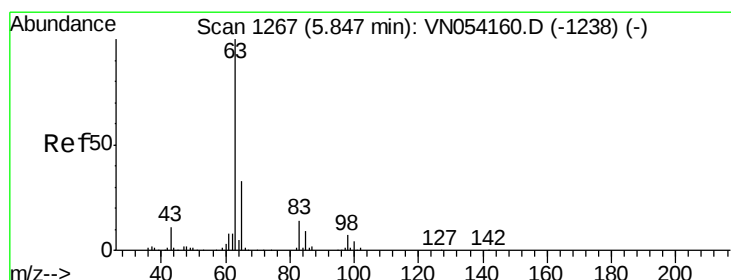
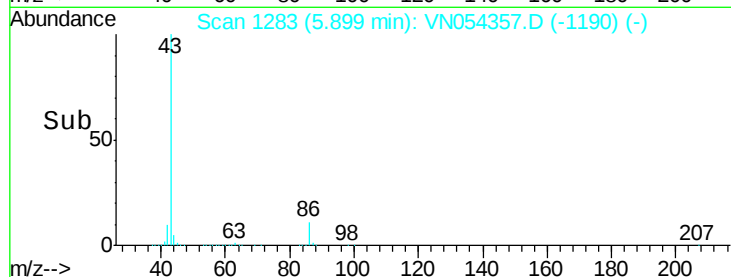
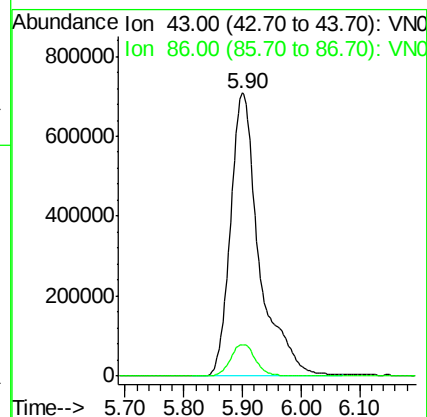
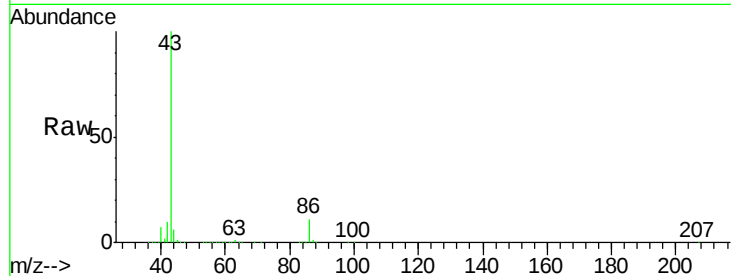




#23  
 Vinyl Acetate  
 Concen: 107.167 ug/l  
 RT: 5.90 min Scan# 1283  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

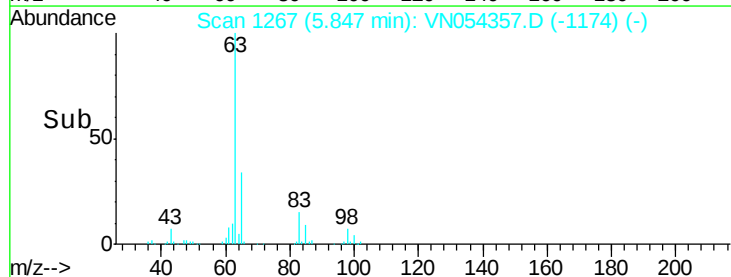
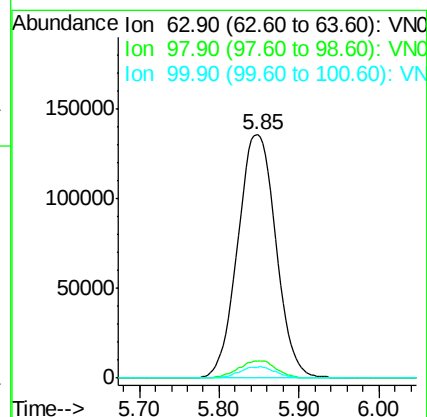
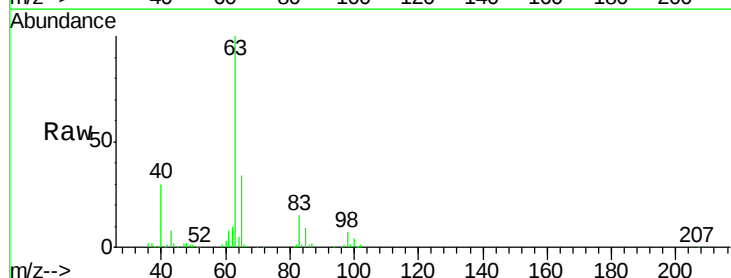
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

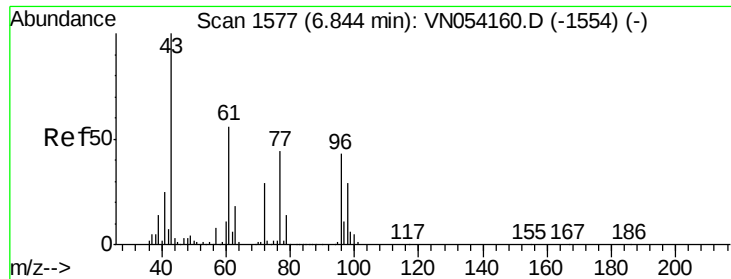
Tot Ion: 43 Resp: 2414709  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 9.1 13.7



#24  
 1,1-Dichloroethane  
 Concen: 22.352 ug/l  
 RT: 5.85 min Scan# 1267  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Tgt Ion: 63 Resp: 438588  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.5 10.5  
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 115.305 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampled :

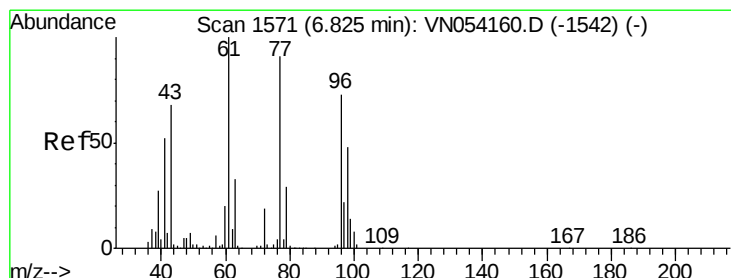
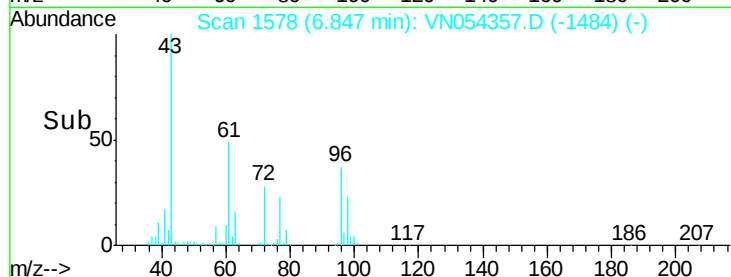
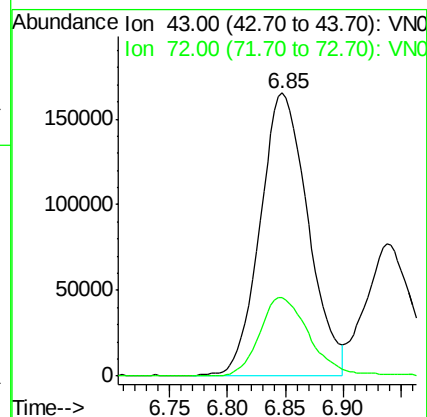
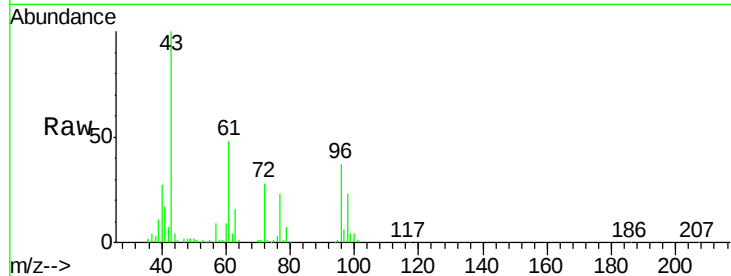
VN0316WBS02

Tot Ion: 43 Resp: 472726

Ion Ratio Lower Upper

43 100

72 27.8 23.0 34.6



#26

2,2-Dichloropropane

Concen: 13.245 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054357.D

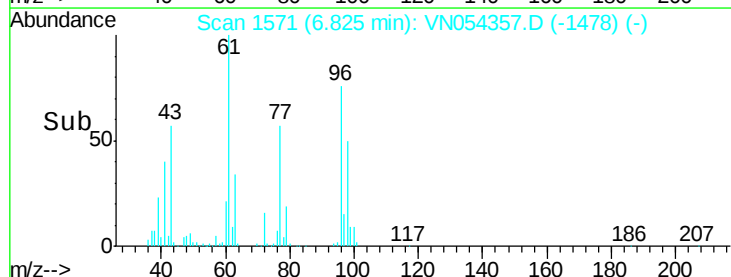
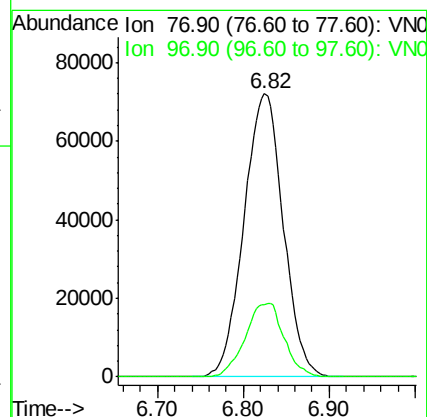
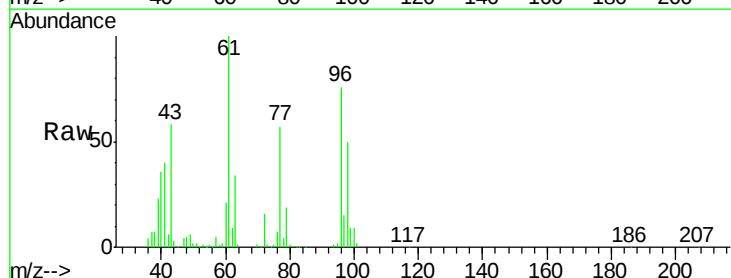
Acq: 17 Mar 2019 1:26

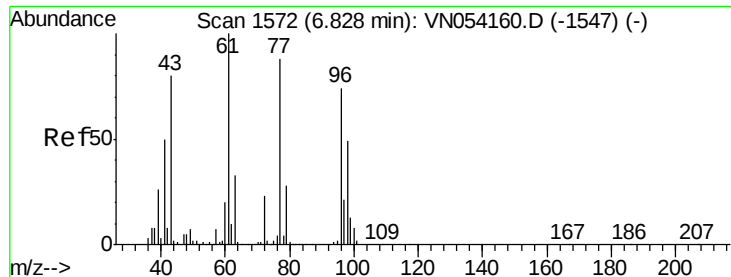
Tgt Ion: 77 Resp: 228555

Ion Ratio Lower Upper

77 100

97 25.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.665 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

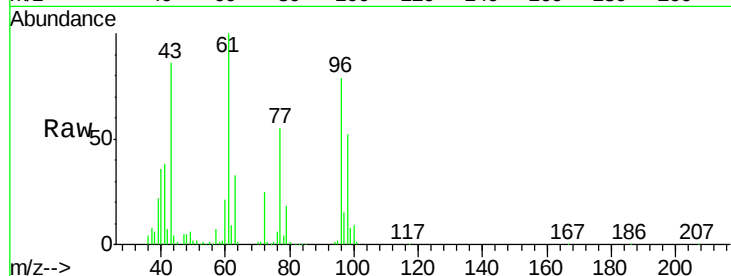
Tot Ion: 96 Resp: 289129

Ion Ratio Lower Upper

96 100

61 130.2 0.0 273.0

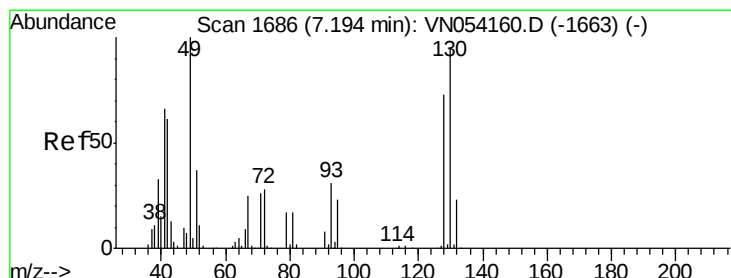
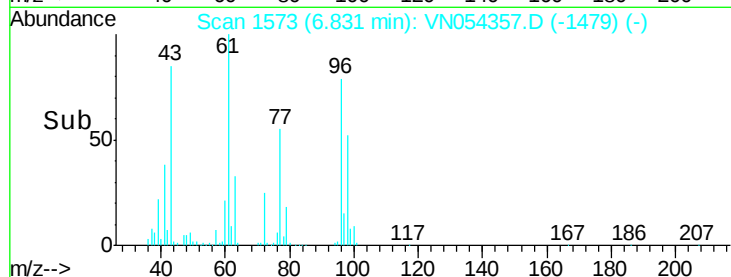
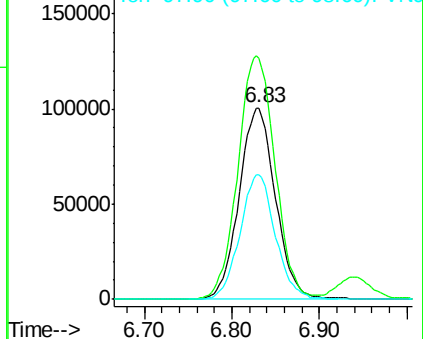
98 63.3 0.0 130.6



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: 22.792 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

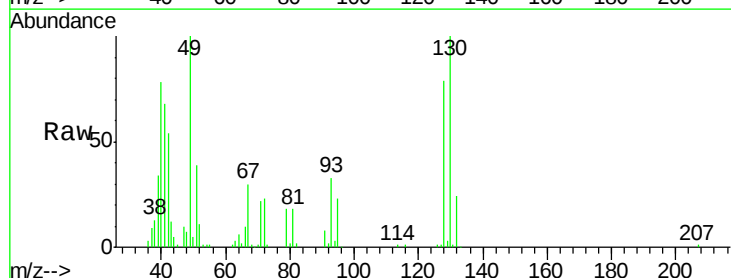
Tgt Ion: 49 Resp: 182833

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.6

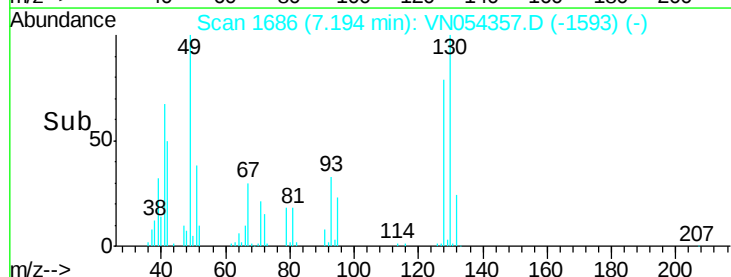
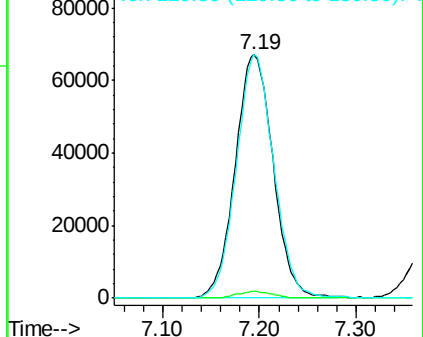
130 98.3 76.7 115.1

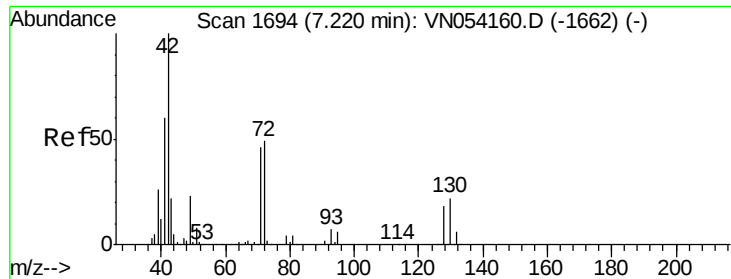


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

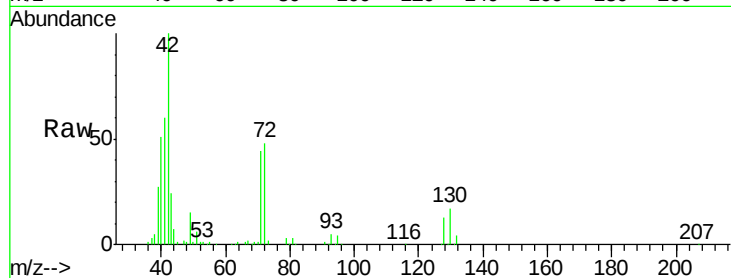




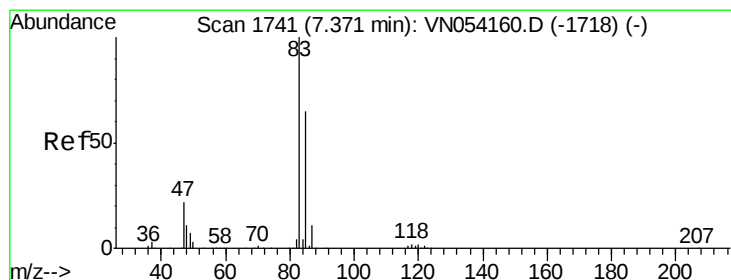
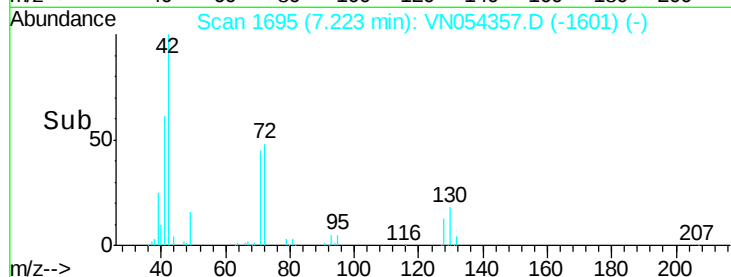
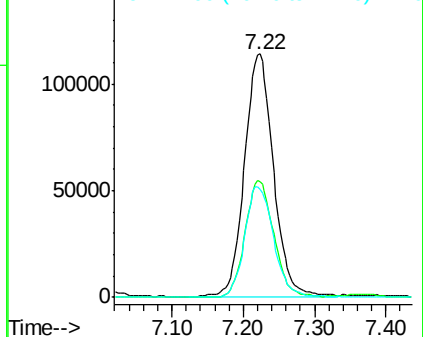
#29  
Tetrahydrofuran  
Concen: 121.730 ug/l  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0316WBS02

Tot Ion: 42 Resp: 320881  
Ion Ratio Lower Upper  
42 100  
72 47.7 37.8 56.6  
71 45.8 36.2 54.2

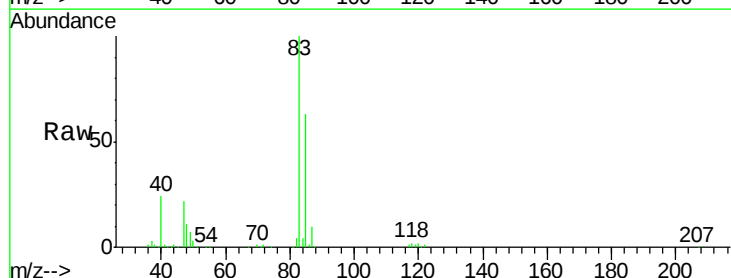


Abundance Ion 42.00 (41.70 to 42.70): VN0  
Ion 72.00 (71.70 to 72.70): VN0  
Ion 71.00 (70.70 to 71.70): VN0

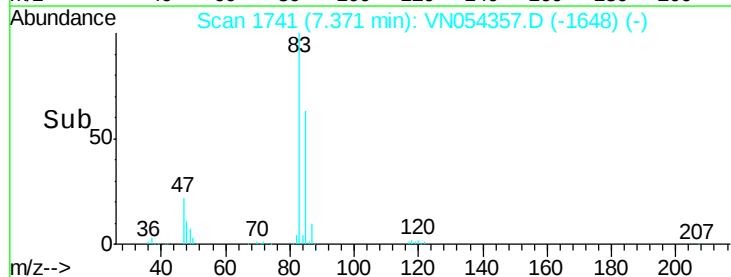
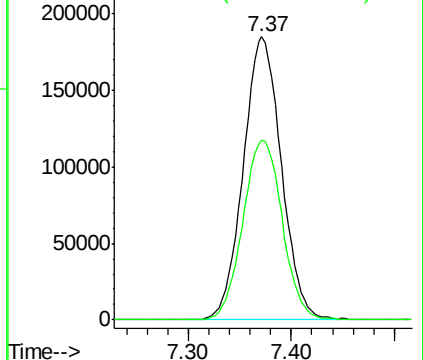


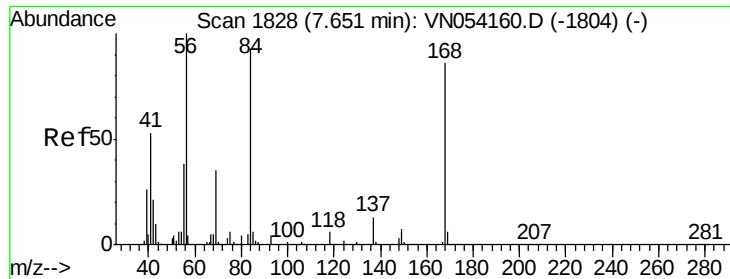
#30  
Chloroform  
Concen: 23.140 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion: 83 Resp: 473810  
Ion Ratio Lower Upper  
83 100  
85 63.3 52.2 78.4



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

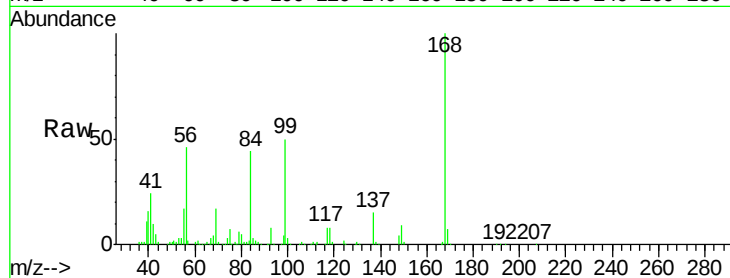




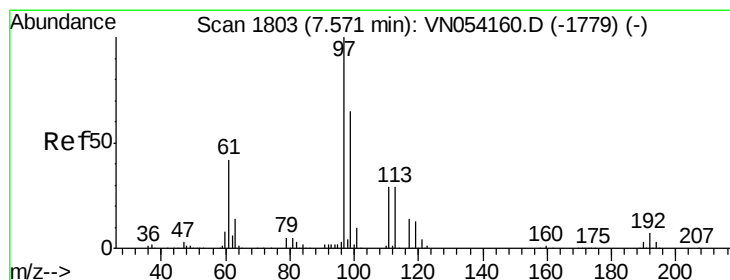
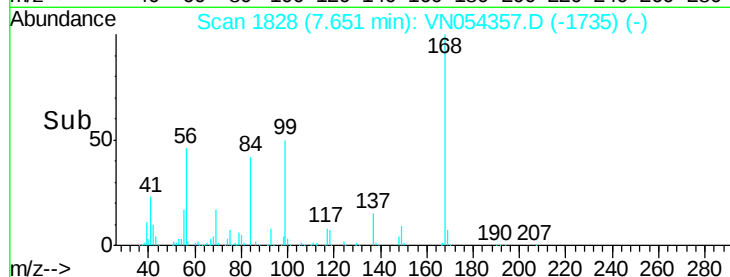
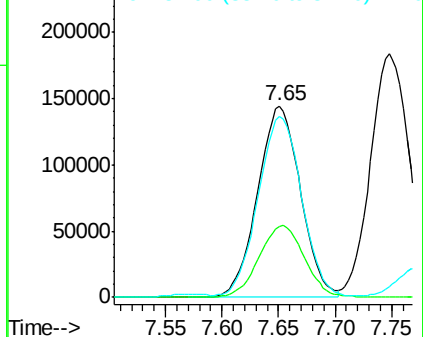
#31  
Cyclohexane  
Concen: 19.965 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

| Tot Ion   | 56    | Resp  | 379791 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 37.1  | 27.8  | 41.6   |
| 84        | 93.1  | 74.6  | 111.8  |

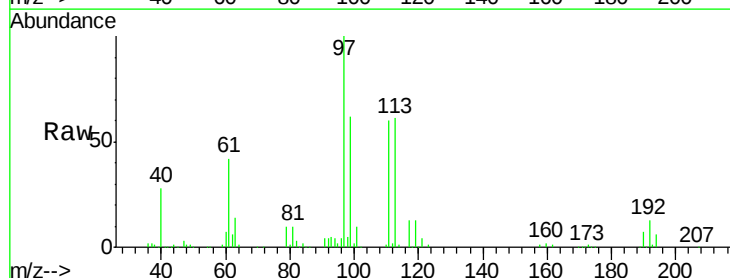


Abundance Ion 56.00 (55.70 to 56.70): VN0  
Ion 69.00 (68.70 to 69.70): VN0  
Ion 84.00 (83.70 to 84.70): VN0

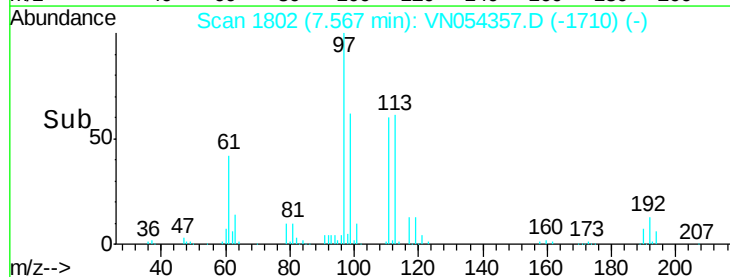
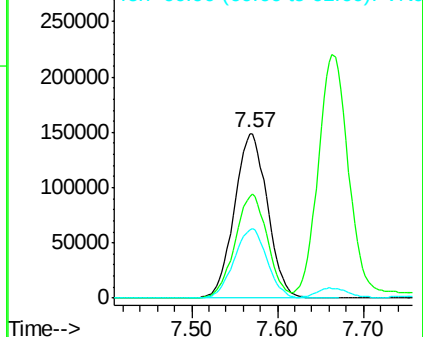


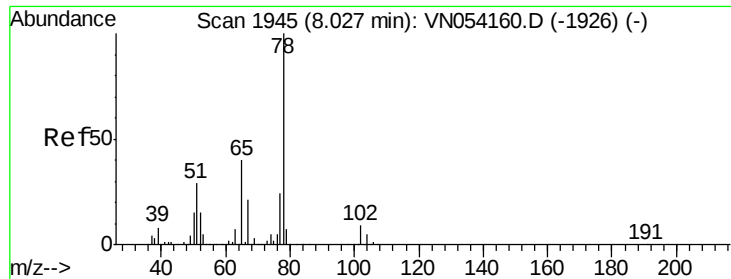
#32  
1,1,1-Trichloroethane  
Concen: 21.481 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. -0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

| Tgt Ion   | 97    | Resp  | 397233 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 61.8  | 51.5  | 77.3   |
| 61        | 42.0  | 33.6  | 50.4   |



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

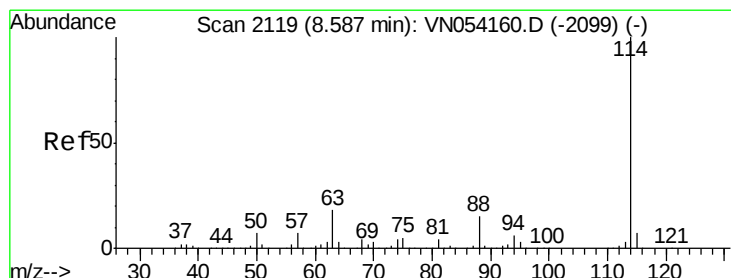
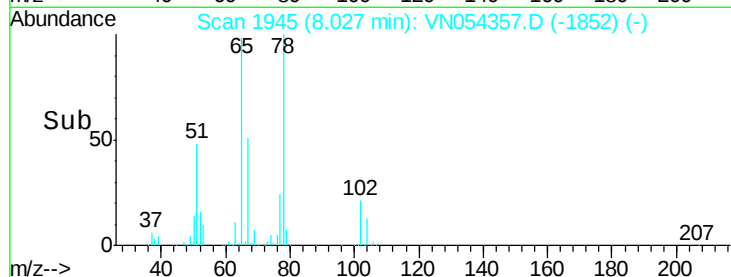
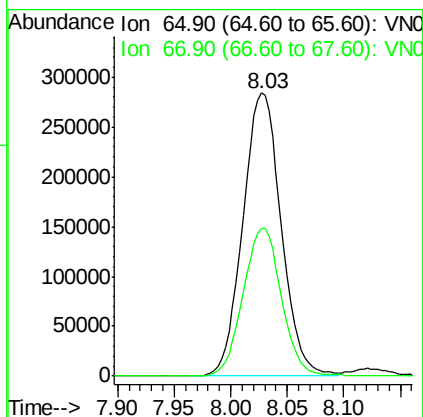
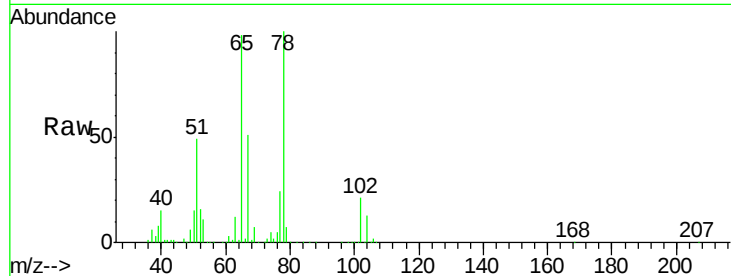




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.903 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

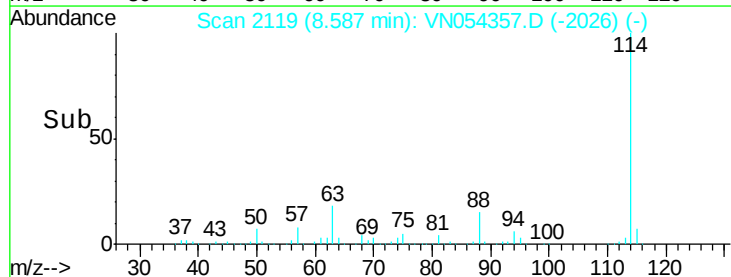
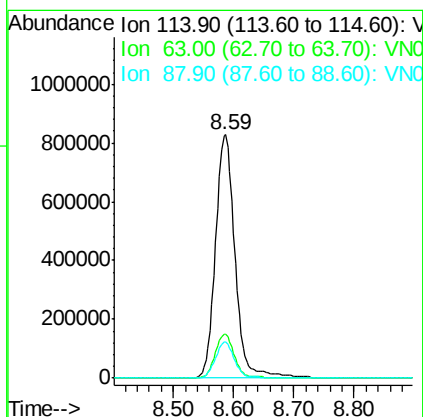
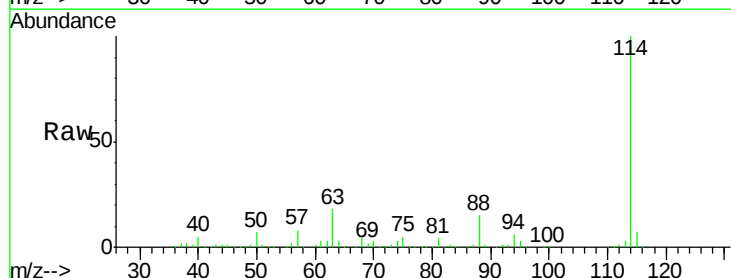
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

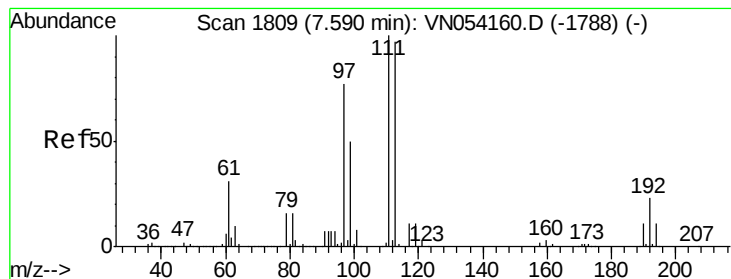
Tot Ion: 65 Resp: 669798  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Tgt Ion: 114 Resp: 1837913  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 35.2  
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.466 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

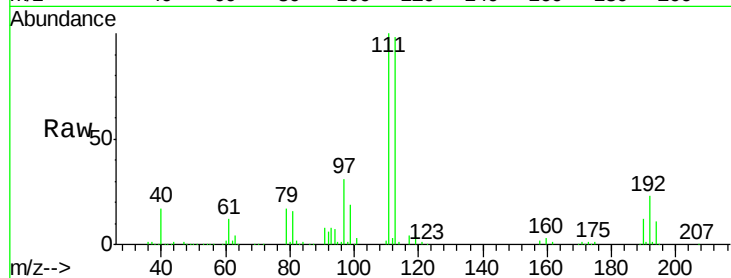
Tot Ion:113 Resp: 610063

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

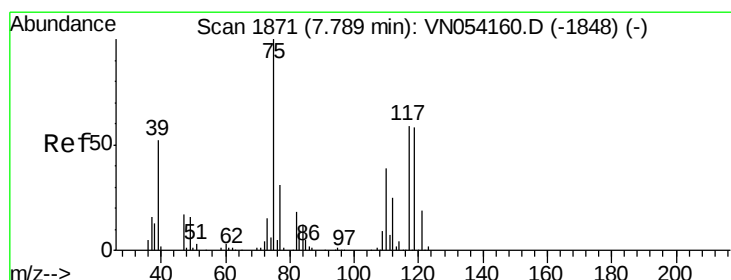
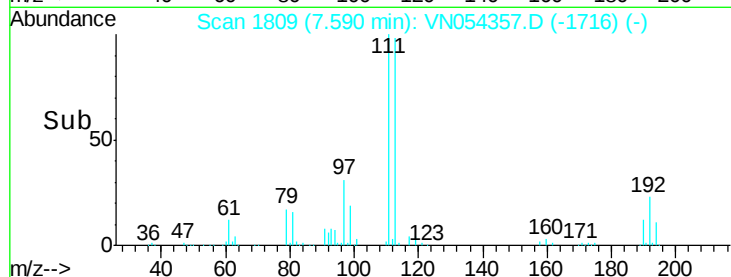
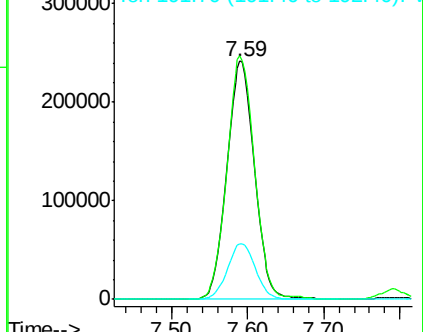
192 23.8 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.746 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

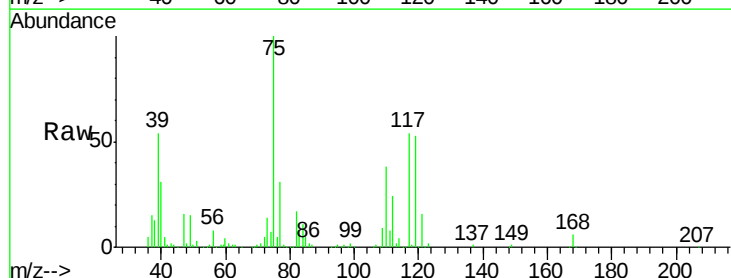
Tgt Ion: 75 Resp: 334219

Ion Ratio Lower Upper

75 100

110 38.5 19.1 57.5

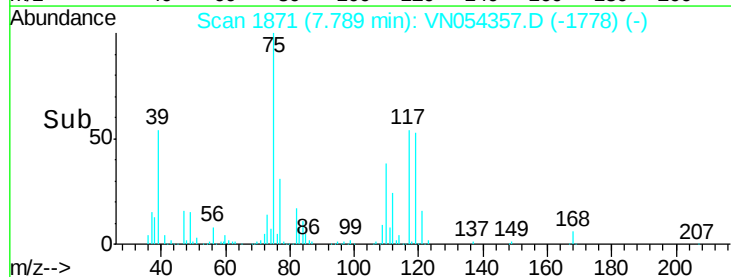
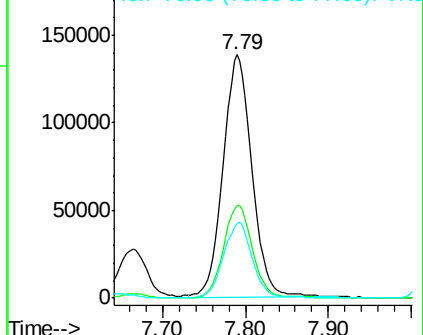
77 31.3 25.0 37.4

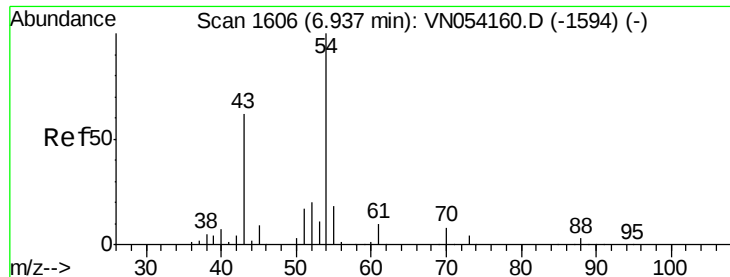


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

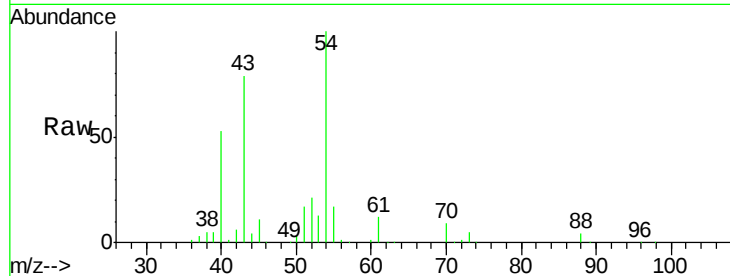




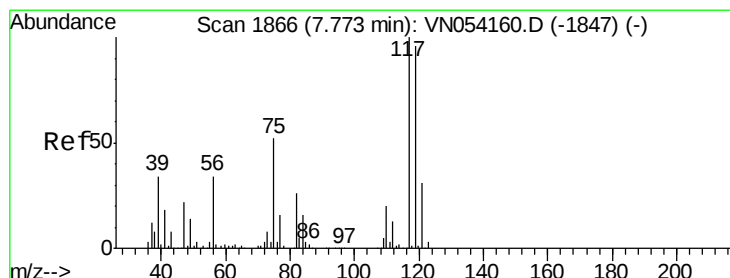
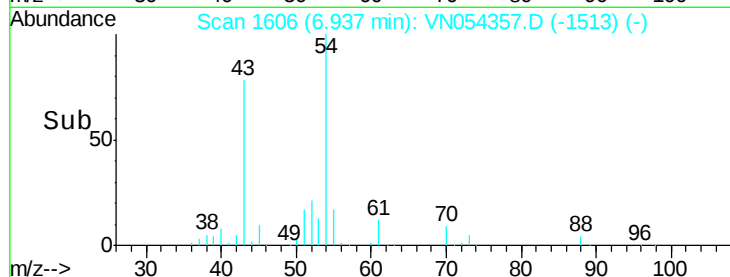
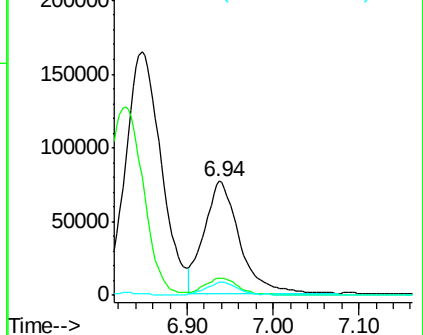
#37  
Ethyl Acetate  
Concen: 22.529 ug/l  
RT: 6.94 min Scan# 1606  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

Tot Ion: 43 Resp: 219104  
Ion Ratio Lower Upper  
43 100  
61 14.6 11.8 17.6  
70 9.7 8.4 12.6

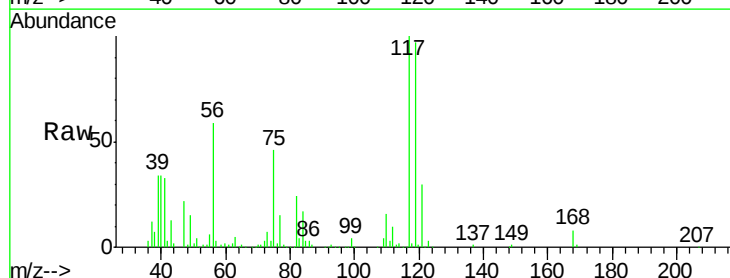


Abundance Ion 43.00 (42.70 to 43.70): VN0  
Ion 60.90 (60.60 to 61.60): VN0  
Ion 70.00 (69.70 to 70.70): VN0

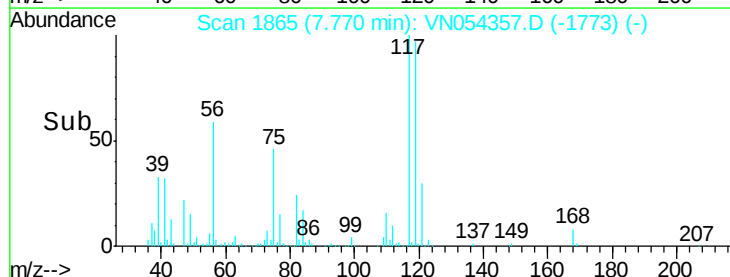
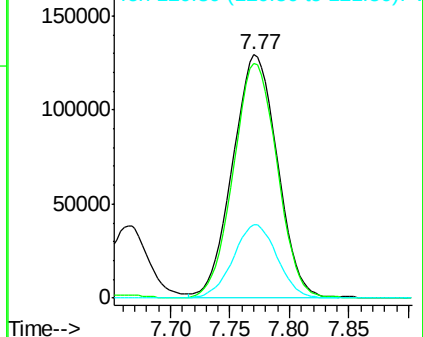


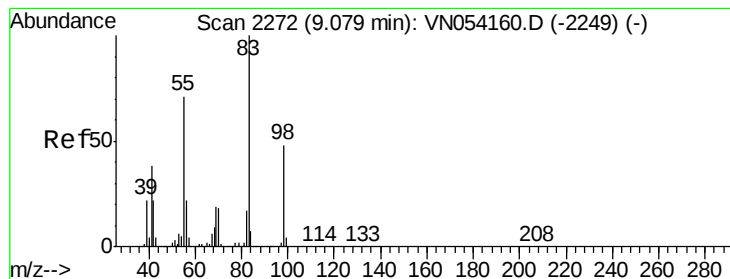
#38  
Carbon Tetrachloride  
Concen: 18.813 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. -0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion: 117 Resp: 333915  
Ion Ratio Lower Upper  
117 100  
119 96.6 76.3 114.5  
121 30.4 24.6 36.8



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

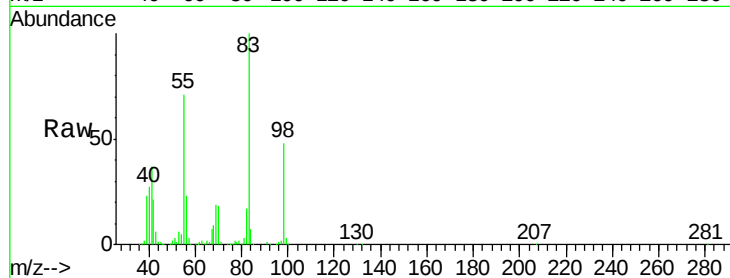




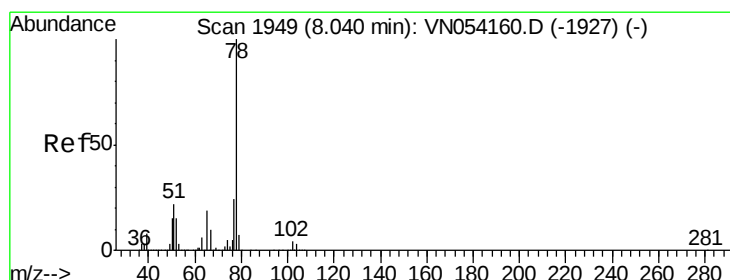
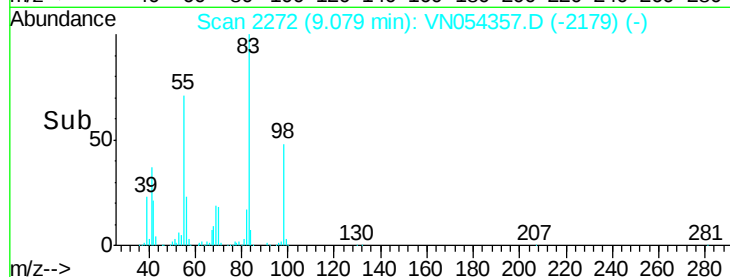
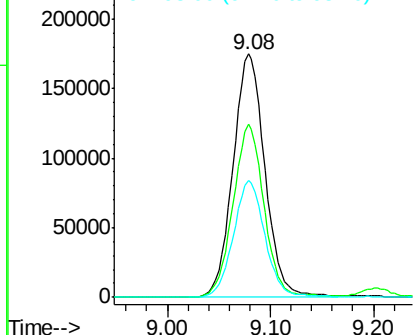
#39  
Methvlcvclohexane  
Concen: 18.106 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

Tot Ion: 83 Resp: 377051  
Ion Ratio Lower Upper  
83 100  
55 71.0 56.6 84.8  
98 47.8 38.4 57.6

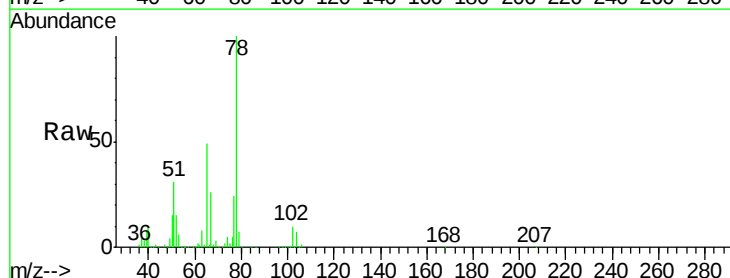


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

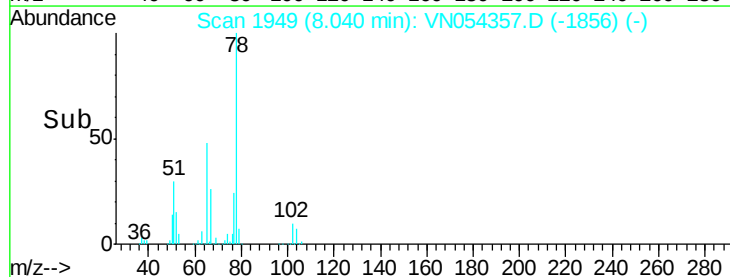
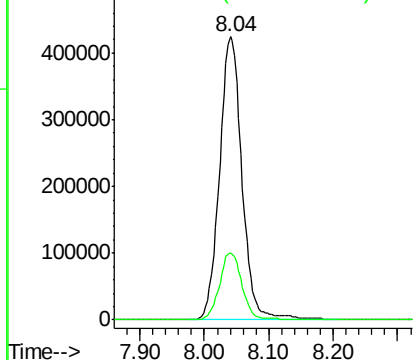


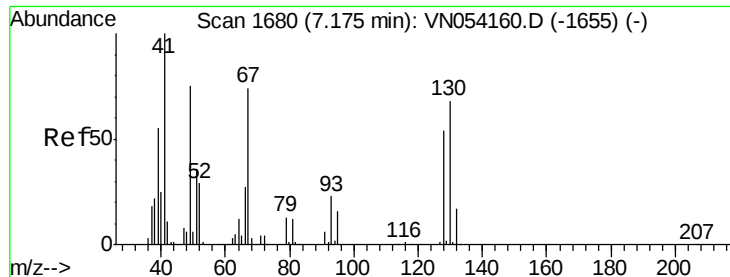
#40  
Benzene  
Concen: 21.182 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion: 78 Resp: 1025926  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.1 28.7



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

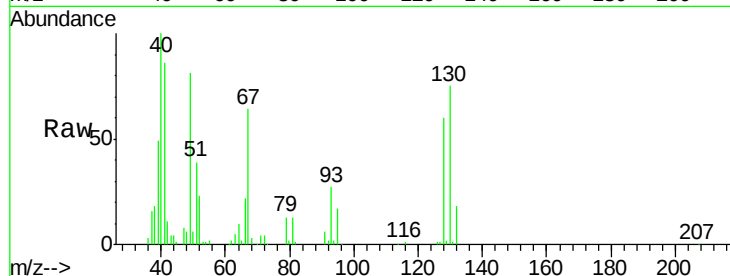




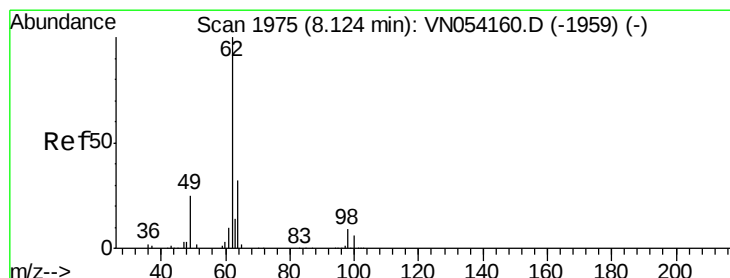
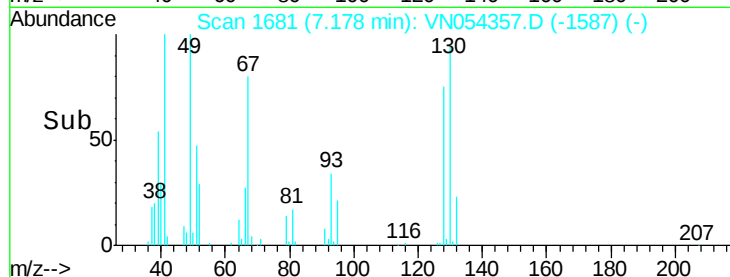
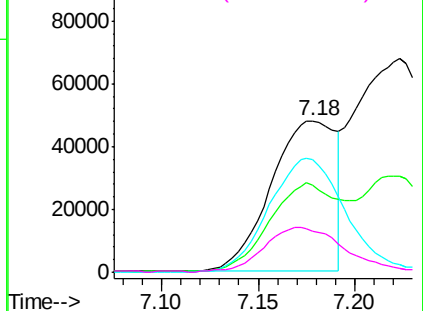
#41  
Methacrylonitrile  
Concen: 20.110 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

Tot Ion: 41 Resp: 111670  
Ion Ratio Lower Upper  
41 100  
39 63.9 46.8 70.2  
67 90.7 67.0 100.4  
52 36.5 26.5 39.7

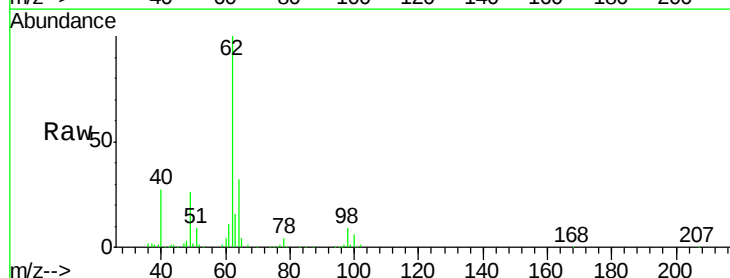


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO

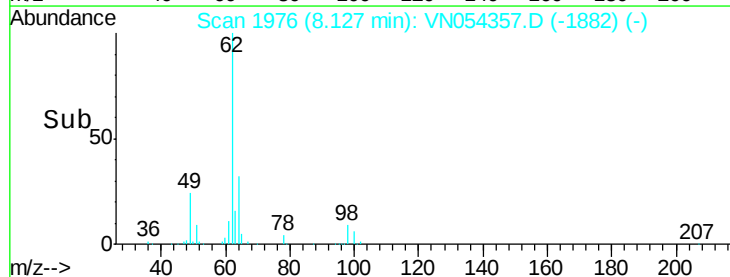
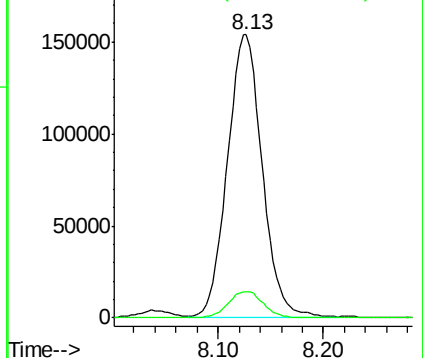


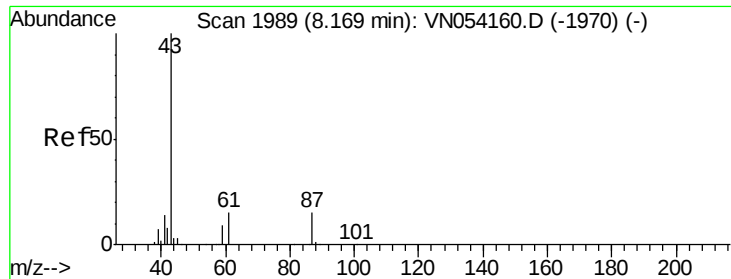
#42  
1,2-Dichloroethane  
Concen: 21.414 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion: 62 Resp: 350167  
Ion Ratio Lower Upper  
62 100  
98 9.5 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO  
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.228 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

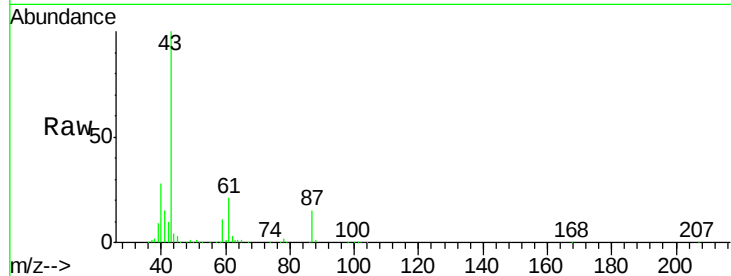
Tot Ion: 43 Resp: 345294

Ion Ratio Lower Upper

43 100

61 20.5 15.8 23.8

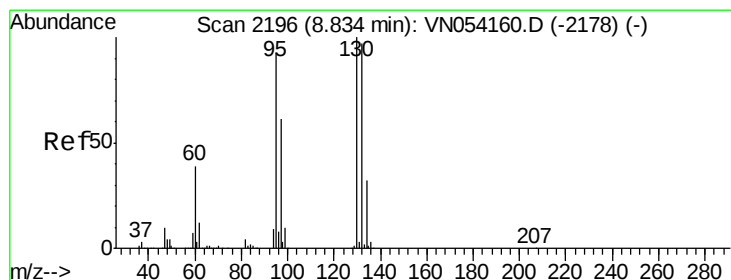
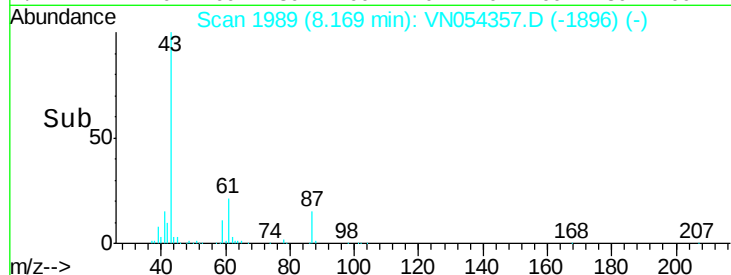
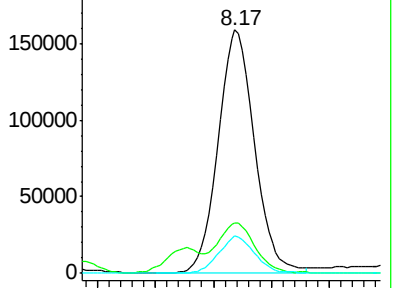
87 15.4 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 20.614 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054357.D

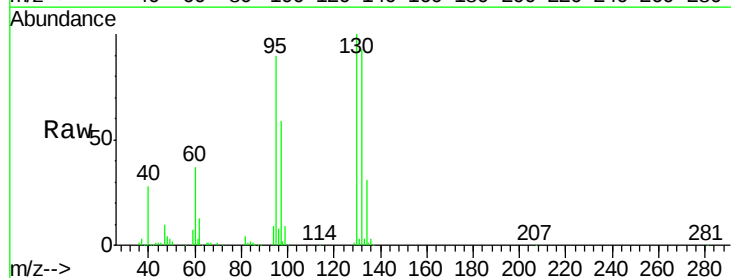
Acq: 17 Mar 2019 1:26

Tgt Ion: 130 Resp: 310152

Ion Ratio Lower Upper

130 100

95 90.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 130.00 (129.70 to 130.30): VN054160.D (-2178) (-)

Ion 131.00 (130.70 to 131.30): VN054160.D (-2178) (-)

Ion 132.00 (131.70 to 132.30): VN054160.D (-2178) (-)

Ion 133.00 (132.70 to 133.30): VN054160.D (-2178) (-)

Ion 134.00 (133.70 to 134.30): VN054160.D (-2178) (-)

Ion 135.00 (134.70 to 135.30): VN054160.D (-2178) (-)

Ion 136.00 (135.70 to 136.30): VN054160.D (-2178) (-)

Ion 137.00 (136.70 to 137.30): VN054160.D (-2178) (-)

Ion 138.00 (137.70 to 138.30): VN054160.D (-2178) (-)

Ion 139.00 (138.70 to 139.30): VN054160.D (-2178) (-)

Ion 140.00 (139.70 to 140.30): VN054160.D (-2178) (-)

Ion 141.00 (140.70 to 141.30): VN054160.D (-2178) (-)

Ion 142.00 (141.70 to 142.30): VN054160.D (-2178) (-)

Ion 143.00 (142.70 to 143.30): VN054160.D (-2178) (-)

Ion 144.00 (143.70 to 144.30): VN054160.D (-2178) (-)

Ion 145.00 (144.70 to 145.30): VN054160.D (-2178) (-)

Ion 146.00 (145.70 to 146.30): VN054160.D (-2178) (-)

Ion 147.00 (146.70 to 147.30): VN054160.D (-2178) (-)

Ion 148.00 (147.70 to 148.30): VN054160.D (-2178) (-)

Ion 149.00 (148.70 to 149.30): VN054160.D (-2178) (-)

Ion 150.00 (149.70 to 150.30): VN054160.D (-2178) (-)

Ion 151.00 (150.70 to 151.30): VN054160.D (-2178) (-)

Ion 152.00 (151.70 to 152.30): VN054160.D (-2178) (-)

Ion 153.00 (152.70 to 153.30): VN054160.D (-2178) (-)

Ion 154.00 (153.70 to 154.30): VN054160.D (-2178) (-)

Ion 155.00 (154.70 to 155.30): VN054160.D (-2178) (-)

Ion 156.00 (155.70 to 156.30): VN054160.D (-2178) (-)

Ion 157.00 (156.70 to 157.30): VN054160.D (-2178) (-)

Ion 158.00 (157.70 to 158.30): VN054160.D (-2178) (-)

Ion 159.00 (158.70 to 159.30): VN054160.D (-2178) (-)

Ion 160.00 (159.70 to 160.30): VN054160.D (-2178) (-)

Ion 161.00 (160.70 to 161.30): VN054160.D (-2178) (-)

Ion 162.00 (161.70 to 162.30): VN054160.D (-2178) (-)

Ion 163.00 (162.70 to 163.30): VN054160.D (-2178) (-)

Ion 164.00 (163.70 to 164.30): VN054160.D (-2178) (-)

Ion 165.00 (164.70 to 165.30): VN054160.D (-2178) (-)

Ion 166.00 (165.70 to 166.30): VN054160.D (-2178) (-)

Ion 167.00 (166.70 to 167.30): VN054160.D (-2178) (-)

Ion 168.00 (167.70 to 168.30): VN054160.D (-2178) (-)

Ion 169.00 (168.70 to 169.30): VN054160.D (-2178) (-)

Ion 170.00 (169.70 to 170.30): VN054160.D (-2178) (-)

Ion 171.00 (170.70 to 171.30): VN054160.D (-2178) (-)

Ion 172.00 (171.70 to 172.30): VN054160.D (-2178) (-)

Ion 173.00 (172.70 to 173.30): VN054160.D (-2178) (-)

Ion 174.00 (173.70 to 174.30): VN054160.D (-2178) (-)

Ion 175.00 (174.70 to 175.30): VN054160.D (-2178) (-)

Ion 176.00 (175.70 to 176.30): VN054160.D (-2178) (-)

Ion 177.00 (176.70 to 177.30): VN054160.D (-2178) (-)

Ion 178.00 (177.70 to 178.30): VN054160.D (-2178) (-)

Ion 179.00 (178.70 to 179.30): VN054160.D (-2178) (-)

Ion 180.00 (179.70 to 180.30): VN054160.D (-2178) (-)

Ion 181.00 (180.70 to 181.30): VN054160.D (-2178) (-)

Ion 182.00 (181.70 to 182.30): VN054160.D (-2178) (-)

Ion 183.00 (182.70 to 183.30): VN054160.D (-2178) (-)

Ion 184.00 (183.70 to 184.30): VN054160.D (-2178) (-)

Ion 185.00 (184.70 to 185.30): VN054160.D (-2178) (-)

Ion 186.00 (185.70 to 186.30): VN054160.D (-2178) (-)

Ion 187.00 (186.70 to 187.30): VN054160.D (-2178) (-)

Ion 188.00 (187.70 to 188.30): VN054160.D (-2178) (-)

Ion 189.00 (188.70 to 189.30): VN054160.D (-2178) (-)

Ion 190.00 (189.70 to 190.30): VN054160.D (-2178) (-)

Ion 191.00 (190.70 to 191.30): VN054160.D (-2178) (-)

Ion 192.00 (191.70 to 192.30): VN054160.D (-2178) (-)

Ion 193.00 (192.70 to 193.30): VN054160.D (-2178) (-)

Ion 194.00 (193.70 to 194.30): VN054160.D (-2178) (-)

Ion 195.00 (194.70 to 195.30): VN054160.D (-2178) (-)

Ion 196.00 (195.70 to 196.30): VN054160.D (-2178) (-)

Ion 197.00 (196.70 to 197.30): VN054160.D (-2178) (-)

Ion 198.00 (197.70 to 198.30): VN054160.D (-2178) (-)

Ion 199.00 (198.70 to 199.30): VN054160.D (-2178) (-)

Ion 200.00 (199.70 to 200.30): VN054160.D (-2178) (-)

Ion 201.00 (200.70 to 201.30): VN054160.D (-2178) (-)

Ion 202.00 (201.70 to 202.30): VN054160.D (-2178) (-)

Ion 203.00 (202.70 to 203.30): VN054160.D (-2178) (-)

Ion 204.00 (203.70 to 204.30): VN054160.D (-2178) (-)

Ion 205.00 (204.70 to 205.30): VN054160.D (-2178) (-)

Ion 206.00 (205.70 to 206.30): VN054160.D (-2178) (-)

Ion 207.00 (206.70 to 207.30): VN054160.D (-2178) (-)

Ion 208.00 (207.70 to 208.30): VN054160.D (-2178) (-)

Ion 209.00 (208.70 to 209.30): VN054160.D (-2178) (-)

Ion 210.00 (209.70 to 210.30): VN054160.D (-2178) (-)

Ion 211.00 (210.70 to 211.30): VN054160.D (-2178) (-)

Ion 212.00 (211.70 to 212.30): VN054160.D (-2178) (-)

Ion 213.00 (212.70 to 213.30): VN054160.D (-2178) (-)

Ion 214.00 (213.70 to 214.30): VN054160.D (-2178) (-)

Ion 215.00 (214.70 to 215.30): VN054160.D (-2178) (-)

Ion 216.00 (215.70 to 216.30): VN054160.D (-2178) (-)

Ion 217.00 (216.70 to 217.30): VN054160.D (-2178) (-)

Ion 218.00 (217.70 to 218.30): VN054160.D (-2178) (-)

Ion 219.00 (218.70 to 219.30): VN054160.D (-2178) (-)

Ion 220.00 (219.70 to 220.30): VN054160.D (-2178) (-)

Ion 221.00 (220.70 to 221.30): VN054160.D (-2178) (-)

Ion 222.00 (221.70 to 222.30): VN054160.D (-2178) (-)

Ion 223.00 (222.70 to 223.30): VN054160.D (-2178) (-)

Ion 224.00 (223.70 to 224.30): VN054160.D (-2178) (-)

Ion 225.00 (224.70 to 225.30): VN054160.D (-2178) (-)

Ion 226.00 (225.70 to 226.30): VN054160.D (-2178) (-)

Ion 227.00 (226.70 to 227.30): VN054160.D (-2178) (-)

Ion 228.00 (227.70 to 228.30): VN054160.D (-2178) (-)

Ion 229.00 (228.70 to 229.30): VN054160.D (-2178) (-)

Ion 230.00 (229.70 to 230.30): VN054160.D (-2178) (-)

Ion 231.00 (230.70 to 231.30): VN054160.D (-2178) (-)

Ion 232.00 (231.70 to 232.30): VN054160.D (-2178) (-)

Ion 233.00 (232.70 to 233.30): VN054160.D (-2178) (-)

Ion 234.00 (233.70 to 234.30): VN054160.D (-2178) (-)

Ion 235.00 (234.70 to 235.30): VN054160.D (-2178) (-)

Ion 236.00 (235.70 to 236.30): VN054160.D (-2178) (-)

Ion 237.00 (236.70 to 237.30): VN054160.D (-2178) (-)

Ion 238.00 (237.70 to 238.30): VN054160.D (-2178) (-)

Ion 239.00 (238.70 to 239.30): VN054160.D (-2178) (-)

Ion 240.00 (239.70 to 240.30): VN054160.D (-2178) (-)

Ion 241.00 (240.70 to 241.30): VN054160.D (-2178) (-)

Ion 242.00 (241.70 to 242.30): VN054160.D (-2178) (-)

Ion 243.00 (242.70 to 243.30): VN054160.D (-2178) (-)

Ion 244.00 (243.70 to 244.30): VN054160.D (-2178) (-)

Ion 245.00 (244.70 to 245.30): VN054160.D (-2178) (-)

Ion 246.00 (245.70 to 246.30): VN054160.D (-2178) (-)

Ion 247.00 (246.70 to 247.30): VN054160.D (-2178) (-)

Ion 248.00 (247.70 to 248.30): VN054160.D (-2178) (-)

Ion 249.00 (248.70 to 249.30): VN054160.D (-2178) (-)

Ion 250.00 (249.70 to 250.30): VN054160.D (-2178) (-)

Ion 251.00 (250.70 to 251.30): VN054160.D (-2178) (-)

Ion 252.00 (251.70 to 252.30): VN054160.D (-2178) (-)

Ion 253.00 (252.70 to 253.30): VN054160.D (-2178) (-)

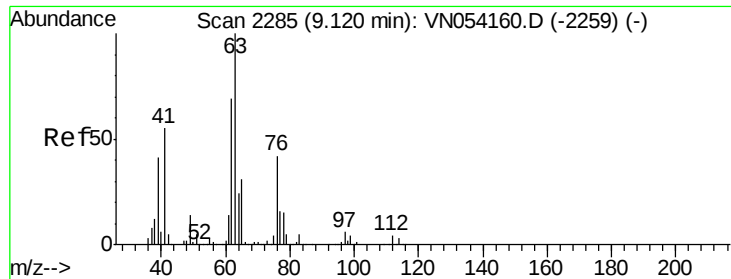
Ion 254.00 (253.70 to 254.30): VN054160.D (-2178) (-)

Ion 255.00 (254.70 to 255.30): VN054160.D (-2178) (-)

Ion 256.00 (255.70 to 256.30): VN054160.D (-2178) (-)

Ion 257.00 (256.70 to 257.30): VN054160.D (-2178) (-)

Ion 258.00 (257.70 to 258.30): VN054160.D (-2178) (-)



#45

1,2-Dichloropropane

Concen: 21.812 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampled :

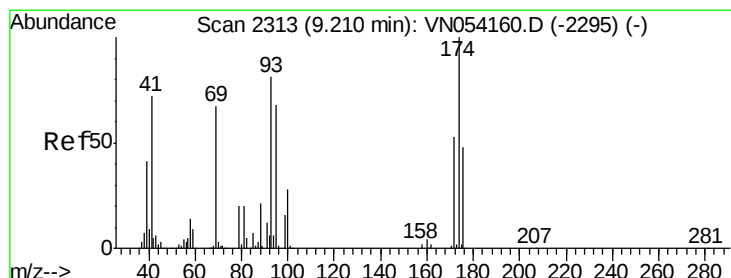
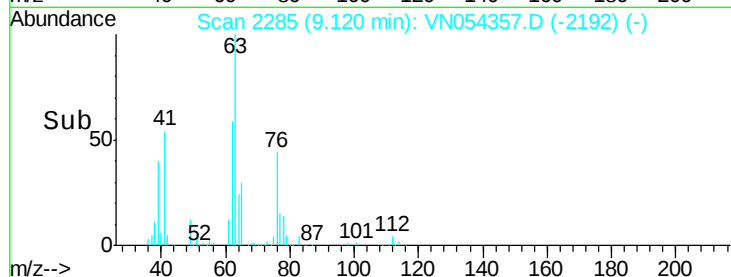
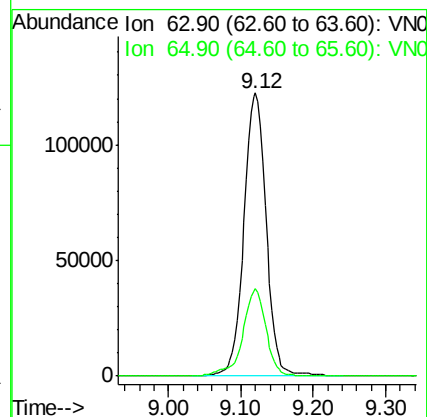
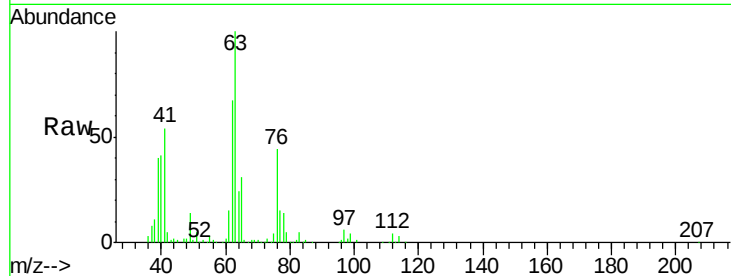
VN0316WBS02

Tot Ion: 63 Resp: 262324

Ion Ratio Lower Upper

63 100

65 30.9 25.0 37.6



#46

Dibromomethane

Concen: 21.606 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

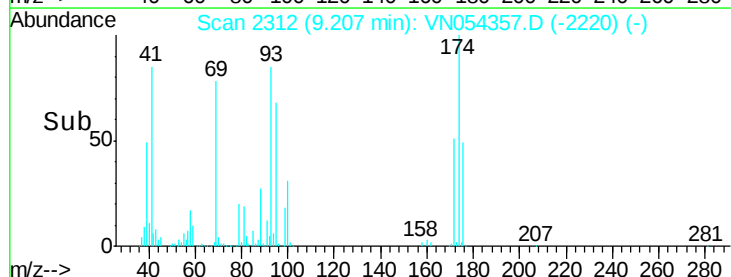
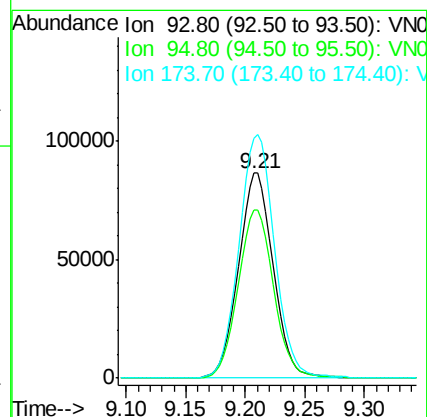
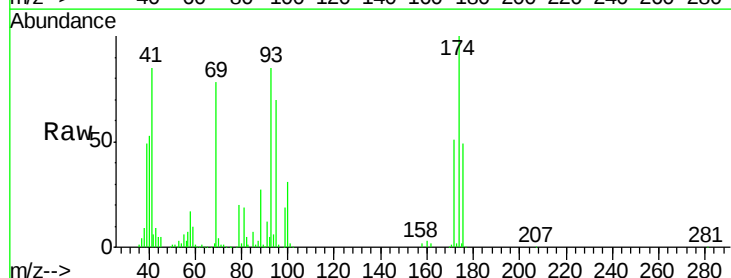
Tgt Ion: 93 Resp: 175567

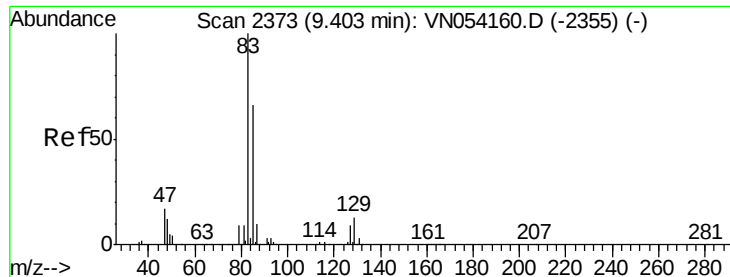
Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 121.5 98.5 147.7





#47

Bromodichloromethane

Concen: 20.359 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

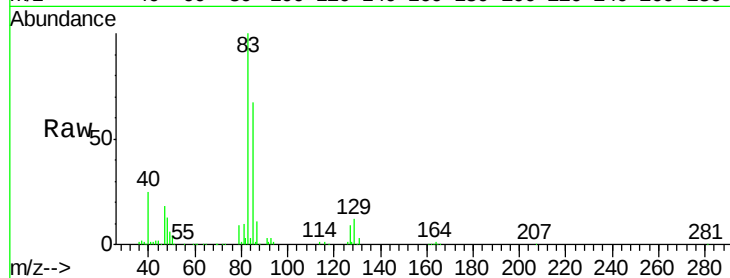
Tot Ion: 83 Resp: 331659

Ion Ratio Lower Upper

83 100

85 66.8 52.8 79.2

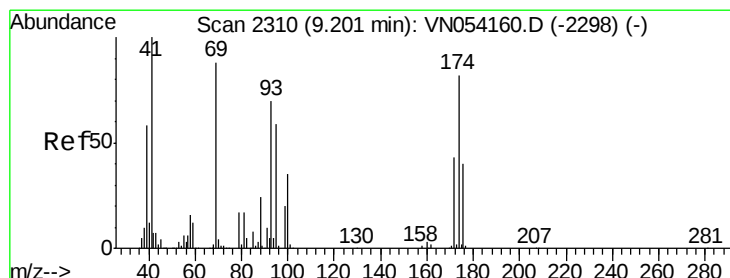
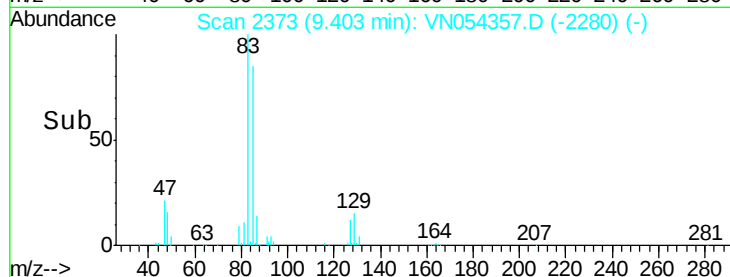
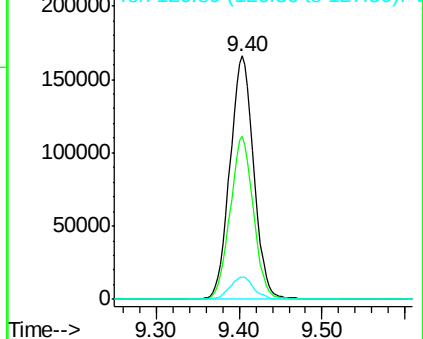
127 9.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 21.491 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

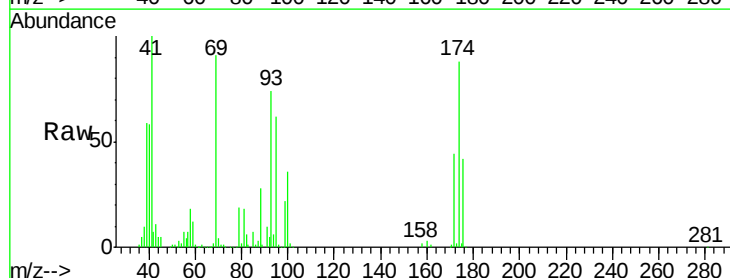
Tgt Ion: 41 Resp: 186174

Ion Ratio Lower Upper

41 100

69 91.1 72.6 108.8

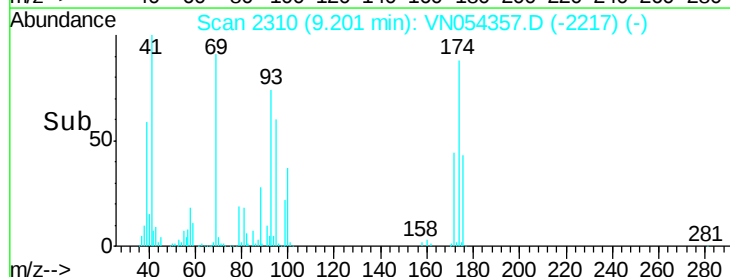
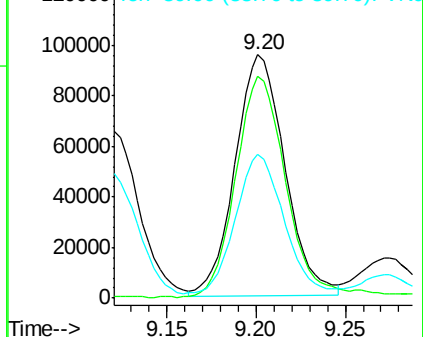
39 59.0 47.5 71.3

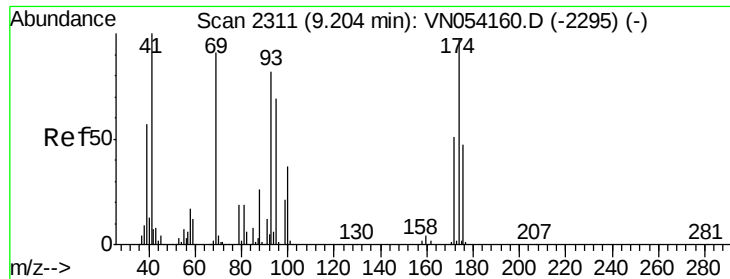


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

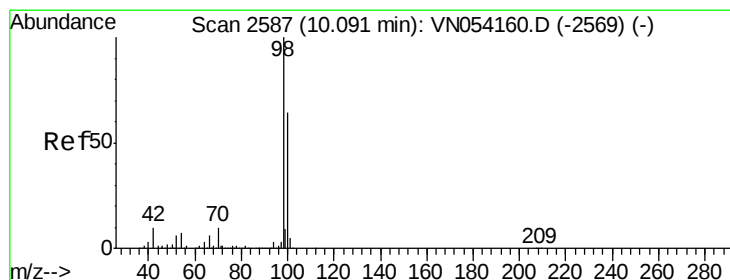
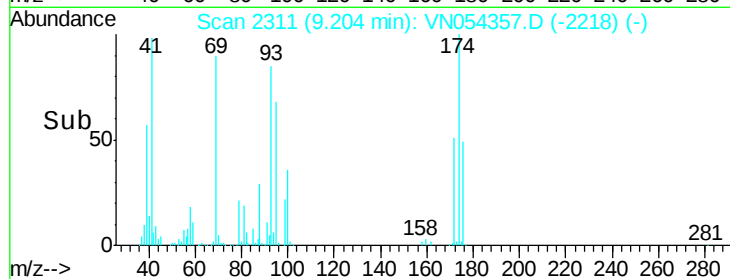
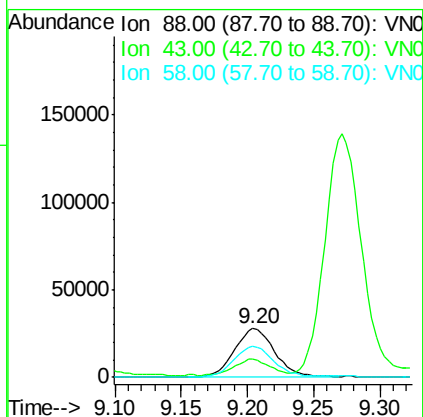
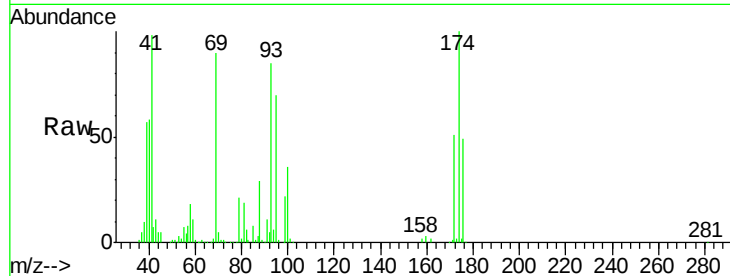




#49  
 1,4-Dioxane  
 Concen: 484.090 ug/l  
 RT: 9.20 min Scan# 2311  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

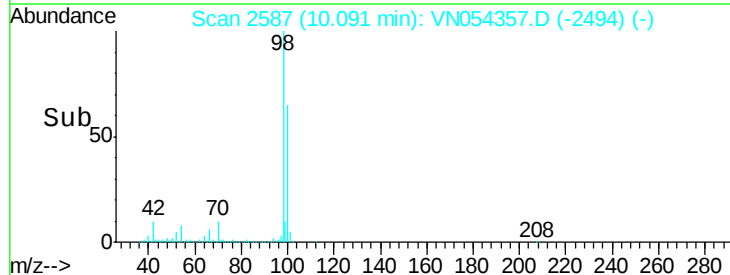
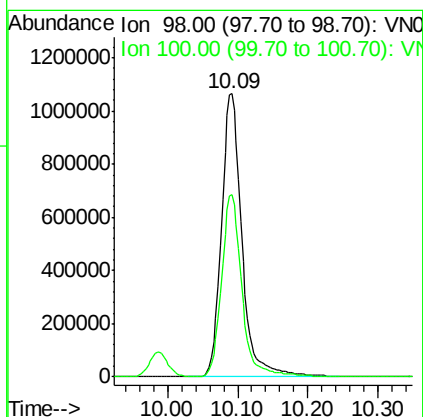
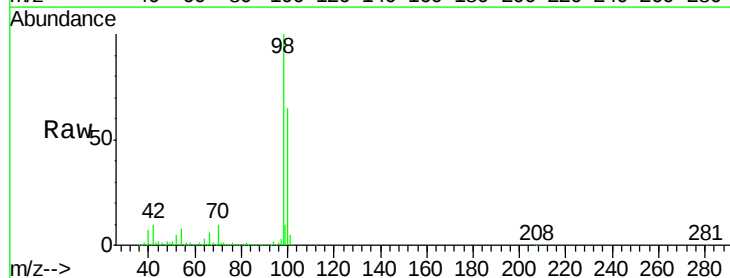
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

Tot Ion: 88 Resp: 59319  
 Ion Ratio Lower Upper  
 88 100  
 43 28.4 24.1 36.1  
 58 62.4 50.8 76.2



#50  
 Toluene-d8  
 Concen: 49.299 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Tgt Ion: 98 Resp: 2158203  
 Ion Ratio Lower Upper  
 98 100  
 100 63.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 113.115 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

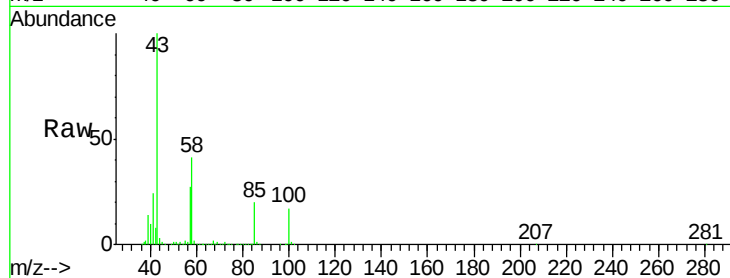
VN0316WBS02

Tot Ion: 43 Resp: 1021861

Ion Ratio Lower Upper

43 100

58 40.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

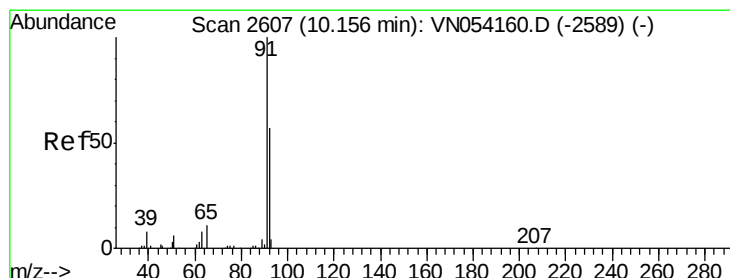
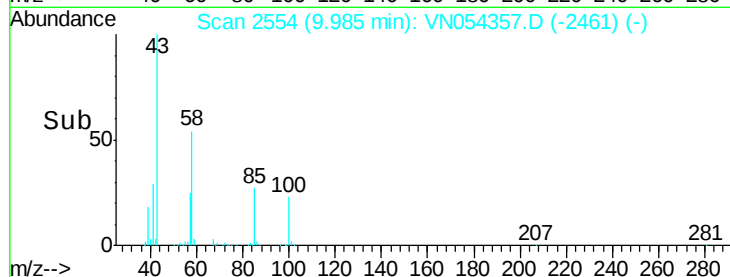
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.156 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054357.D

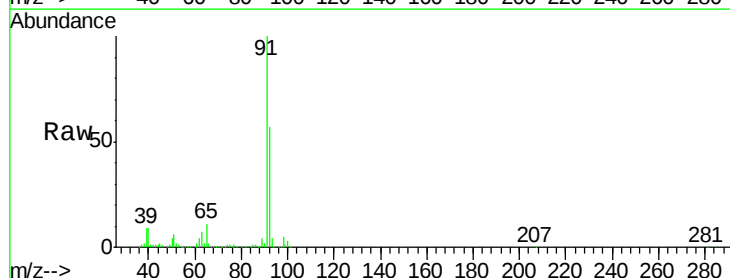
Acq: 17 Mar 2019 1:26

Tgt Ion: 92 Resp: 649714

Ion Ratio Lower Upper

92 100

91 173.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

600000

500000

400000

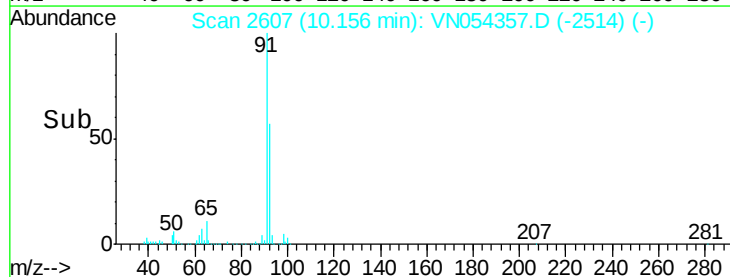
300000

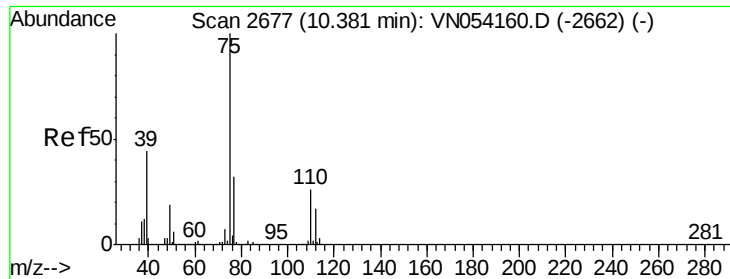
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.196 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

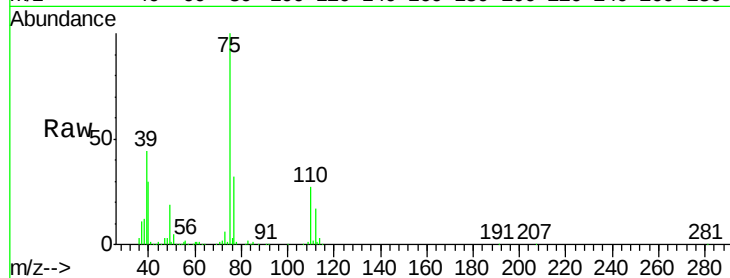
VN0316WBS02

Tot Ion: 75 Resp: 275720

Ion Ratio Lower Upper

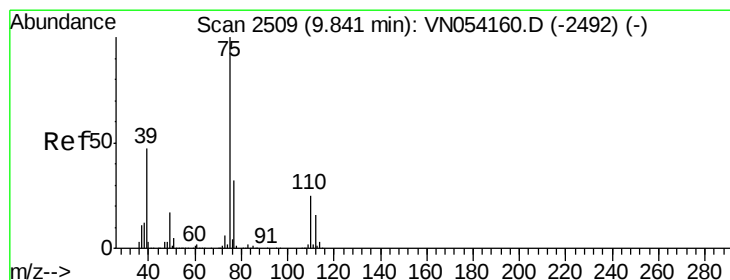
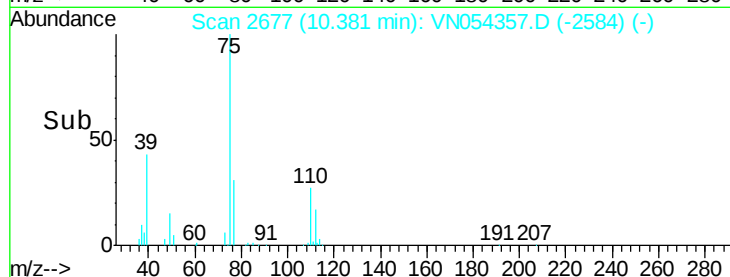
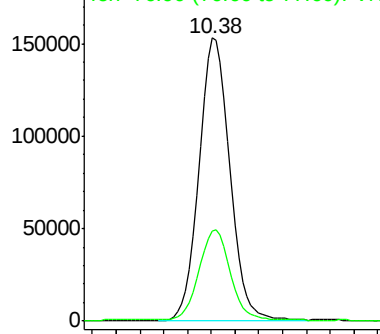
75 100

77 31.3 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.252 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

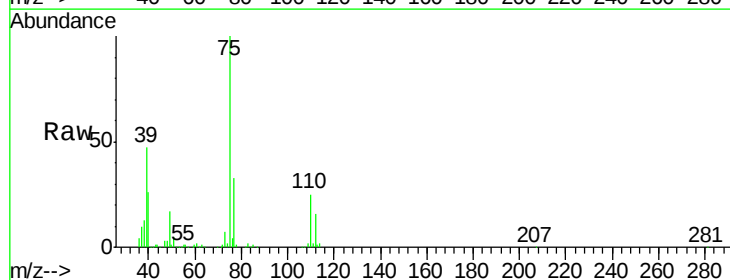
Tgt Ion: 75 Resp: 346477

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0

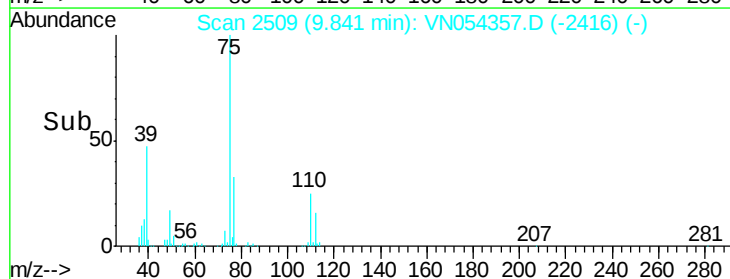
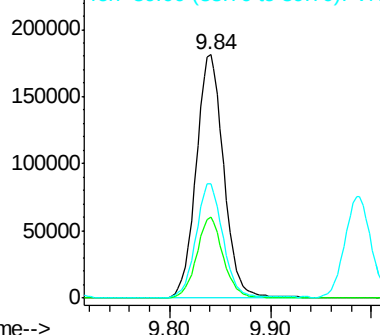
39 46.6 37.2 55.8

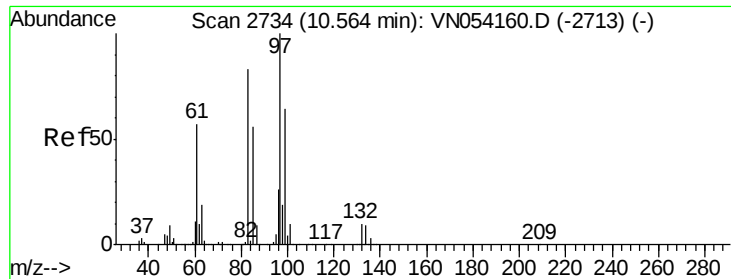


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

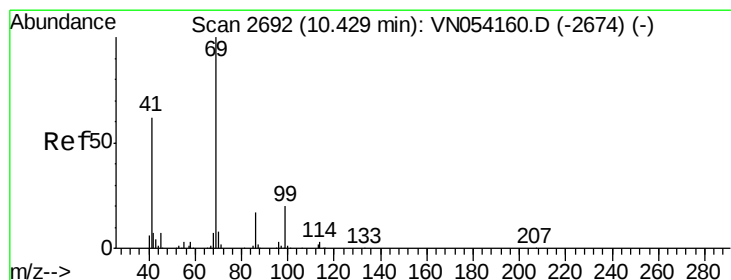
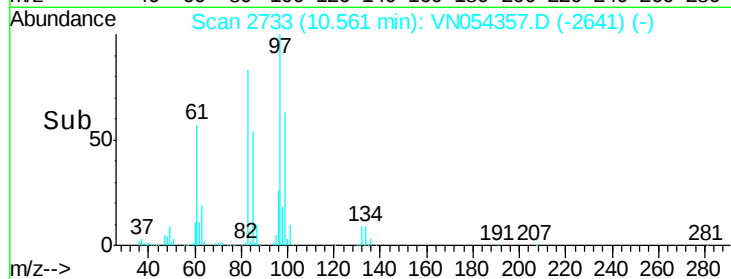
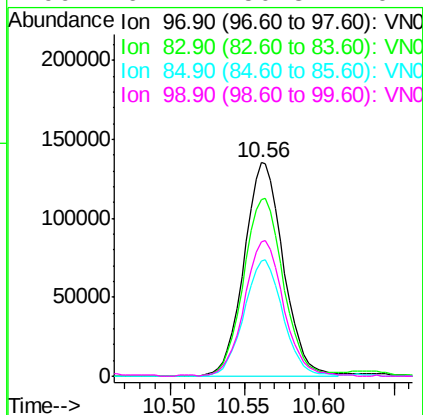
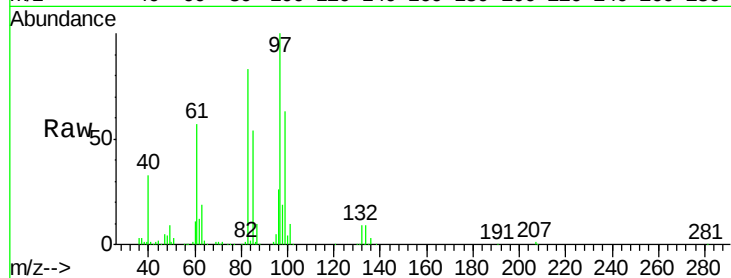




#55  
 1,1,2-Trichloroethane  
 Concen: 21.979 ug/l  
 RT: 10.56 min Scan# 2733  
 Delta R.T. -0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

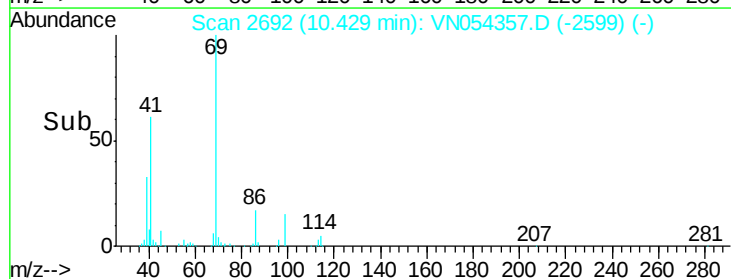
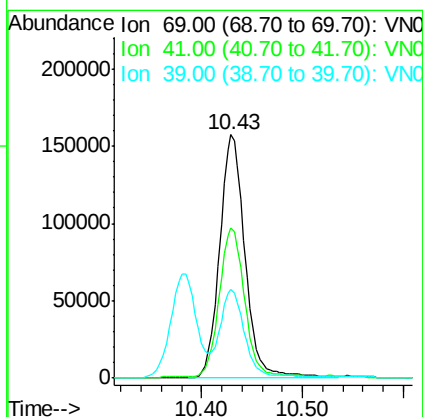
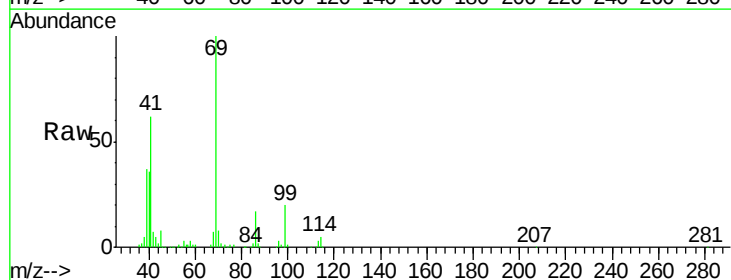
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

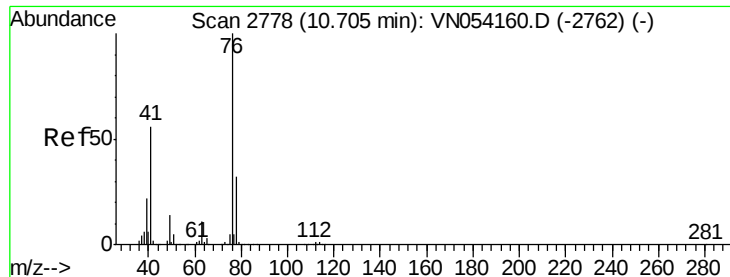
Tot Ion: 97 Resp: 246465  
 Ion Ratio Lower Upper  
 97 100  
 83 82.9 66.6 100.0  
 85 54.2 44.4 66.6  
 99 62.2 50.8 76.2



#56  
 Ethyl methacrylate  
 Concen: 20.794 ug/l  
 RT: 10.43 min Scan# 2692  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Tgt Ion: 69 Resp: 278034  
 Ion Ratio Lower Upper  
 69 100  
 41 60.7 49.4 74.2  
 39 33.4 28.3 42.5





#57

1,3-Dichloropropane

Concen: 21.799 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

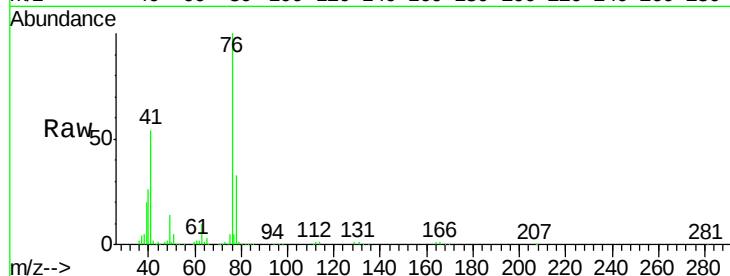
VN0316WBS02

Tot Ion: 76 Resp: 399706

Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

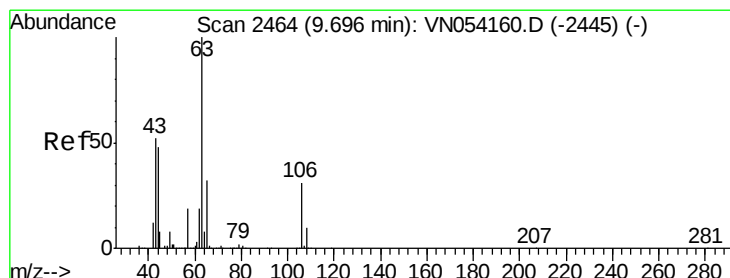
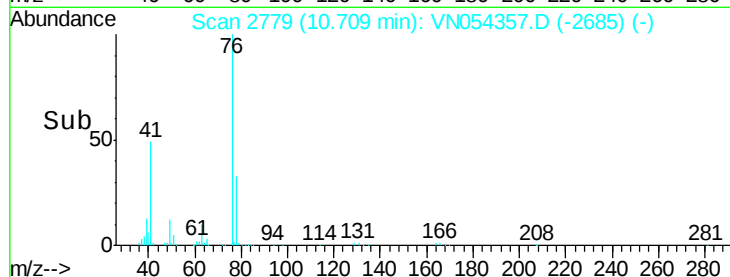
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 104.426 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054357.D

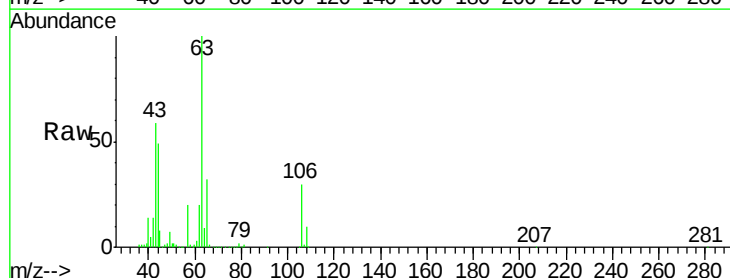
Acq: 17 Mar 2019 1:26

Tgt Ion: 63 Resp: 544812

Ion Ratio Lower Upper

63 100

106 30.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

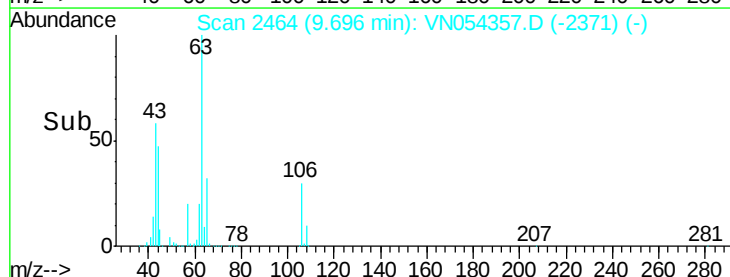
300000

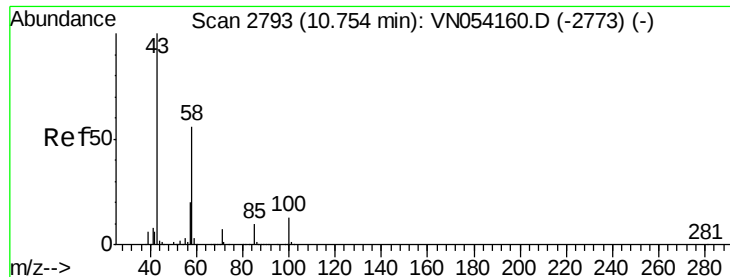
200000

100000

0

Time--> 9.60 9.70 9.80

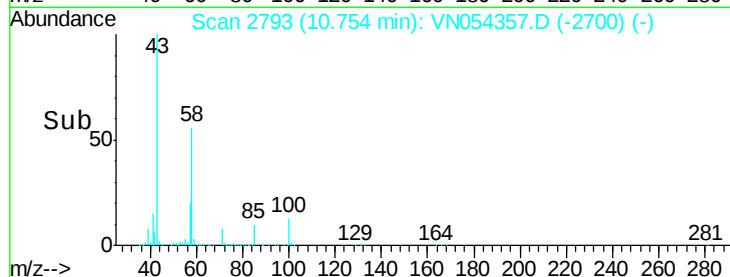
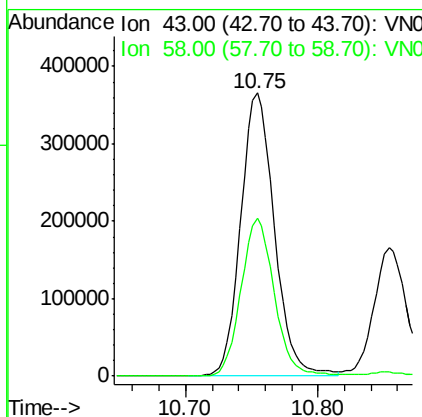
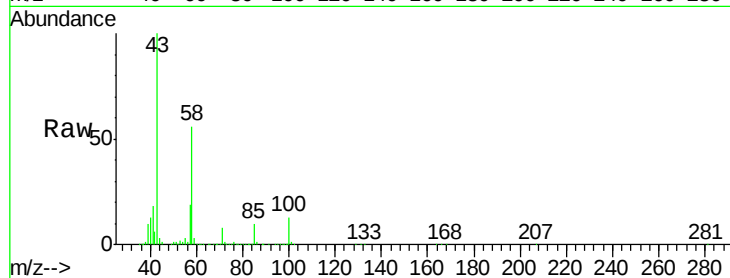




#59  
2-Hexanone  
Concen: 106.892 ug/l  
RT: 10.75 min Scan# 2793  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

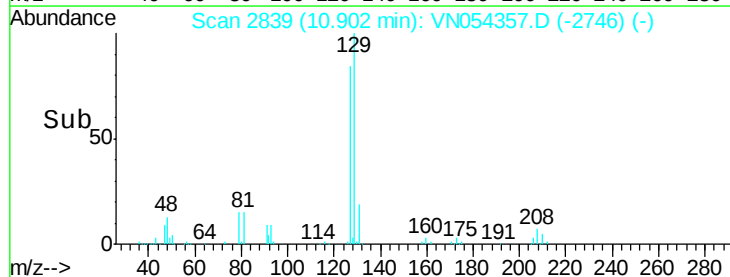
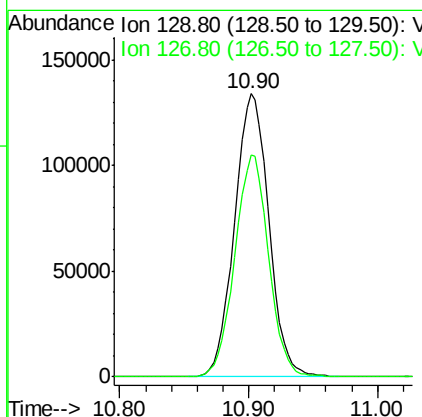
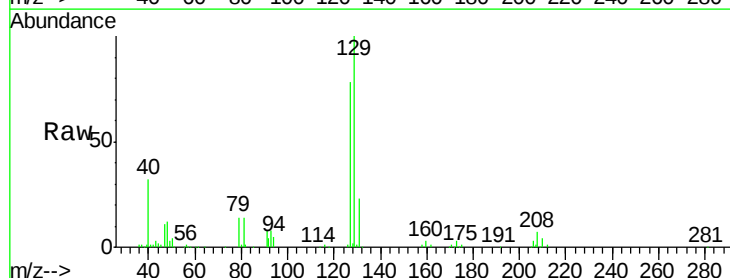
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

Tot Ion: 43 Resp: 642535  
Ion Ratio Lower Upper  
43 100  
58 55.4 28.0 83.9



#60  
Dibromochloromethane  
Concen: 19.644 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion: 129 Resp: 247944  
Ion Ratio Lower Upper  
129 100  
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.599 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

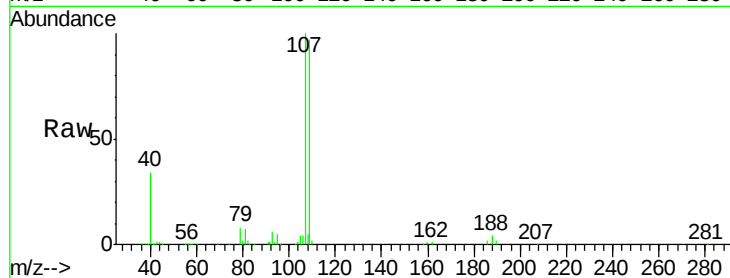
VN0316WBS02

Tot Ion: 107 Resp: 246128

Ion Ratio Lower Upper

107 100

109 95.4 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

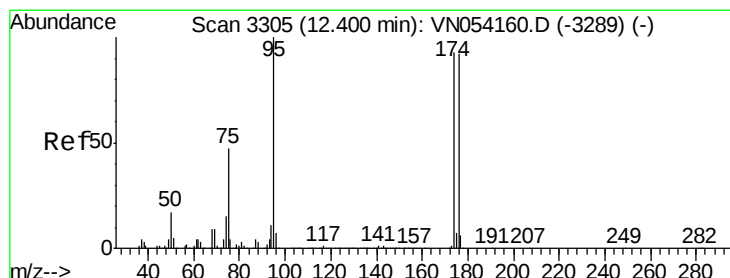
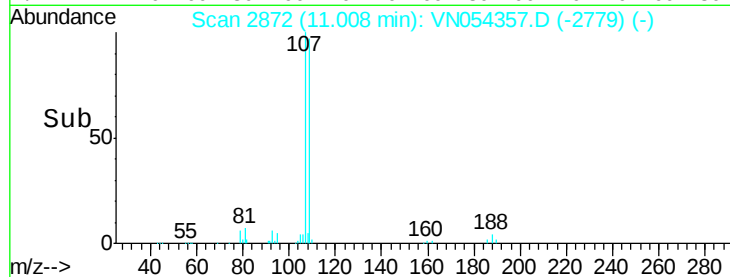
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 46.847 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

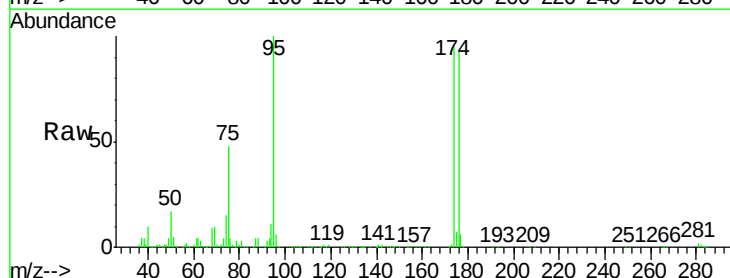
Tgt Ion: 95 Resp: 717596

Ion Ratio Lower Upper

95 100

174 97.5 0.0 191.0

176 95.0 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

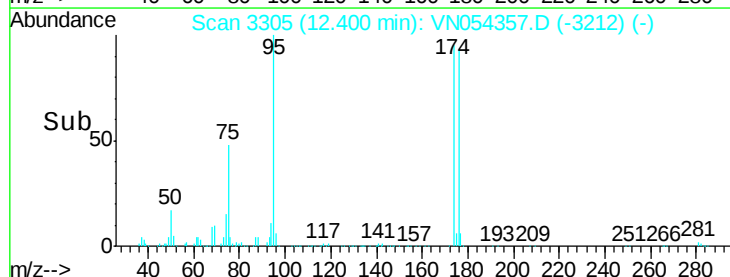
300000

200000

100000

0

Time--> 12.30 12.40 12.50

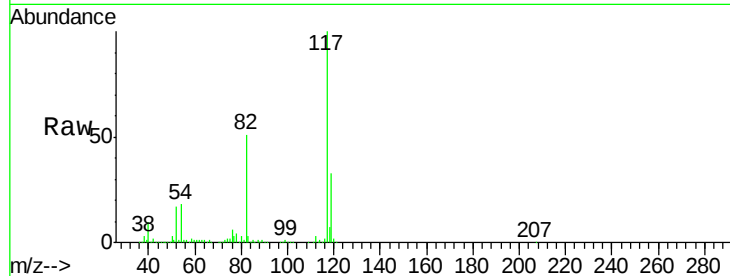




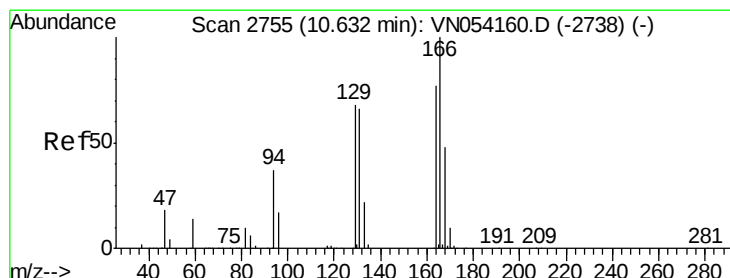
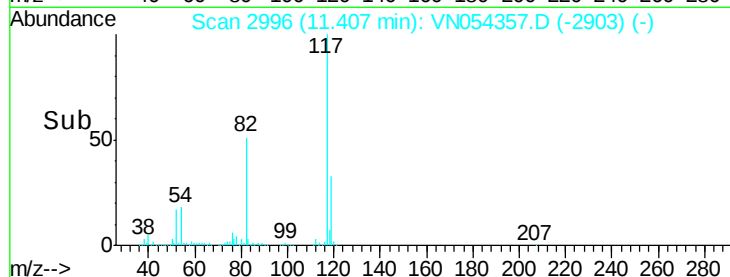
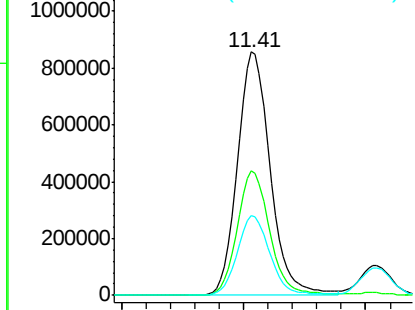
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

Tot Ion:117 Resp: 1590263  
Ion Ratio Lower Upper  
117 100  
82 51.2 40.0 60.0  
119 32.5 25.8 38.6

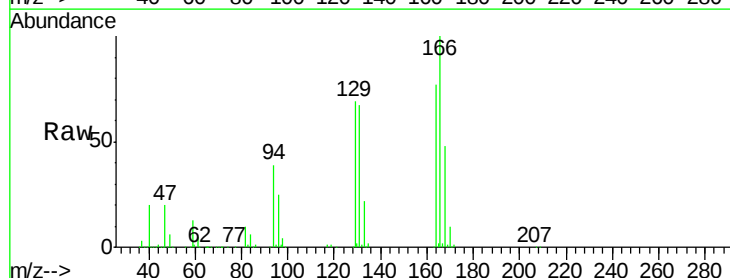


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

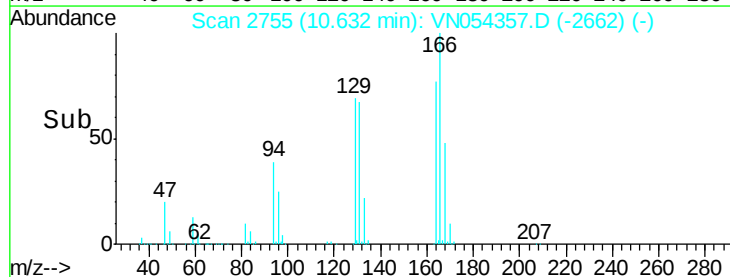
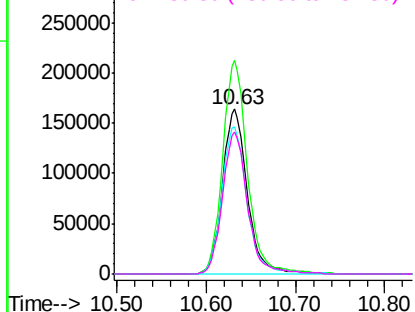


#64  
Tetrachloroethene  
Concen: 20.610 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion:164 Resp: 316883  
Ion Ratio Lower Upper  
164 100  
166 129.5 103.9 155.9  
129 89.4 71.1 106.7  
131 86.2 68.2 102.4



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: 21.191 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

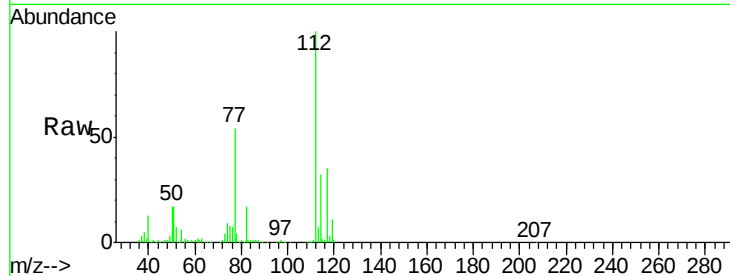
VN0316WBS02

Tot Ion:112 Resp: 739932

Ion Ratio Lower Upper

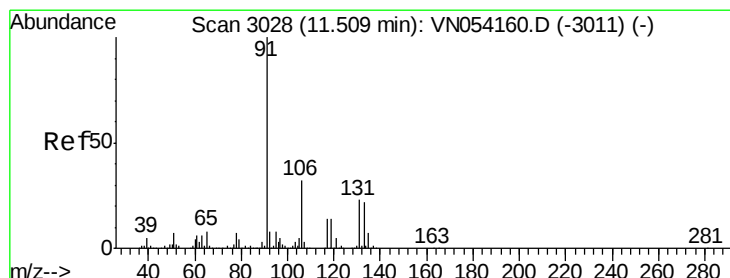
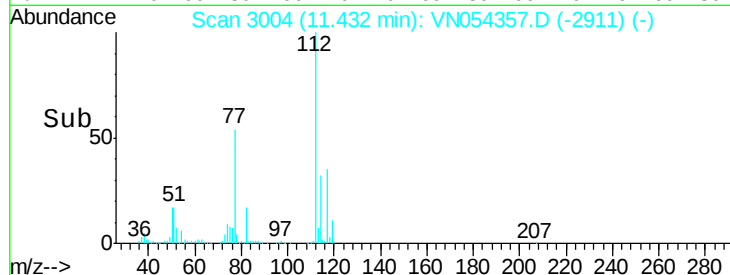
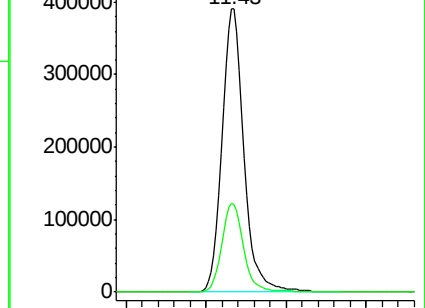
112 100

114 31.6 25.9 38.9



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: 20.689 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

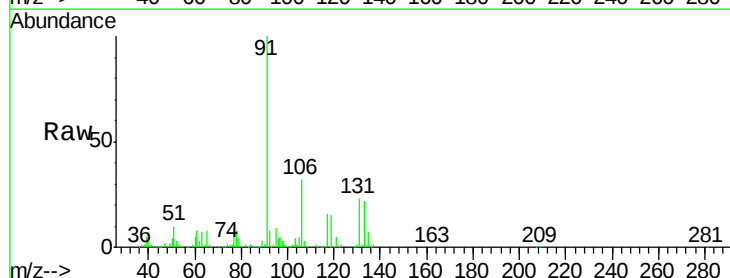
Tgt Ion:131 Resp: 262434

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.9

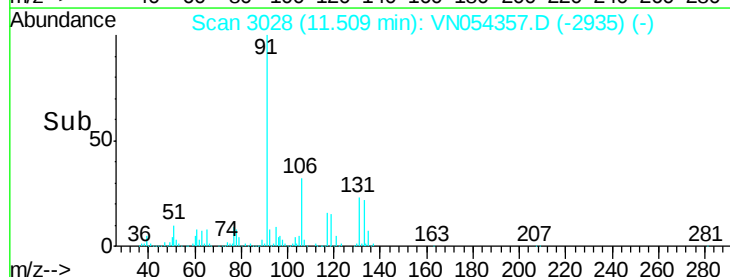
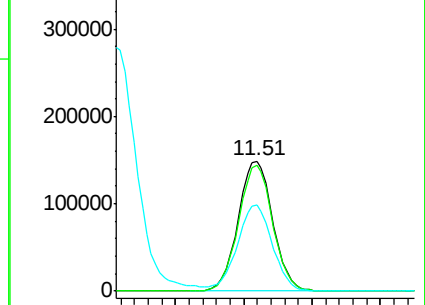
119 67.4 32.4 97.0

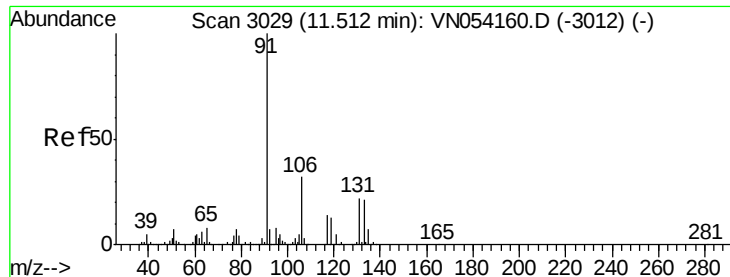


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

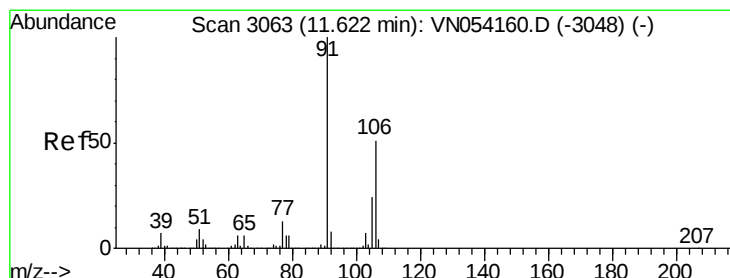
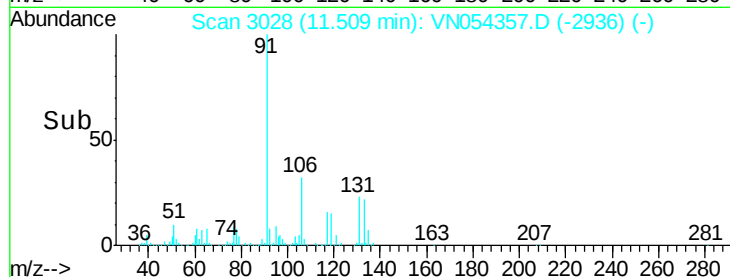
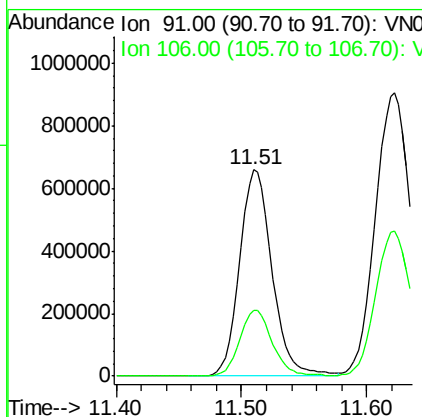
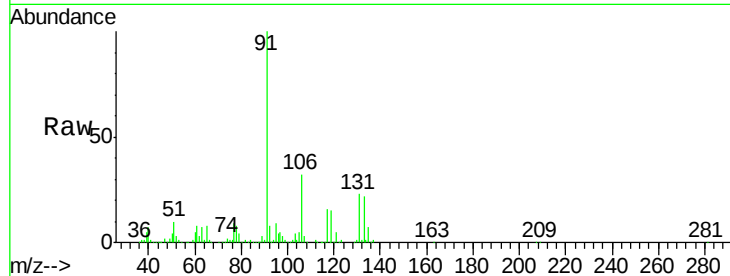




#67  
Ethyl Benzene  
Concen: 20.599 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. -0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

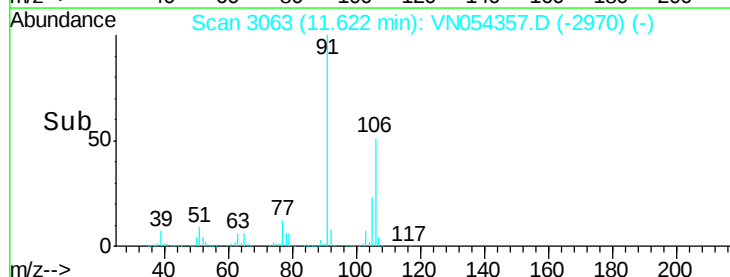
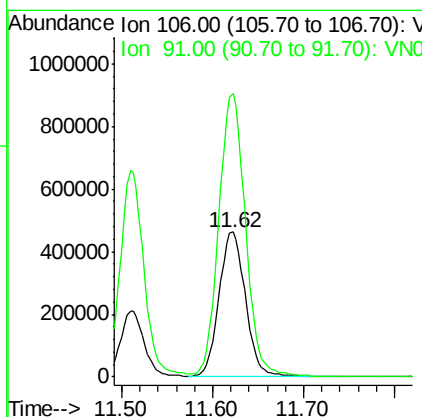
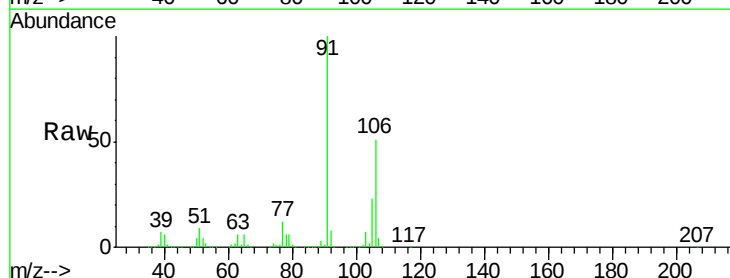
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0316WBS02

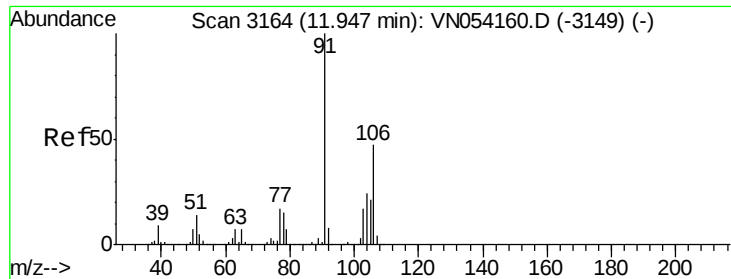
Tot Ion: 91 Resp: 1192319  
Ion Ratio Lower Upper  
91 100  
106 32.1 25.5 38.3



#68  
m/p-Xylenes  
Concen: 41.594 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion: 106 Resp: 940984  
Ion Ratio Lower Upper  
106 100  
91 196.6 159.4 239.2

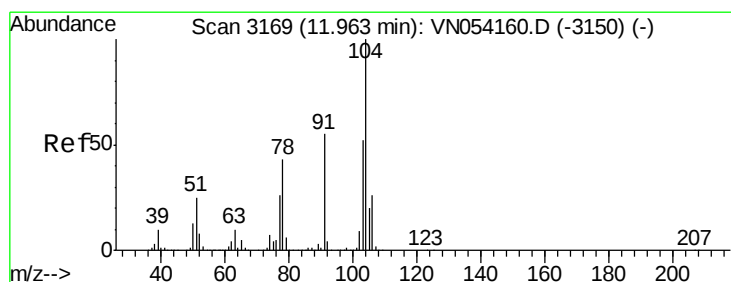
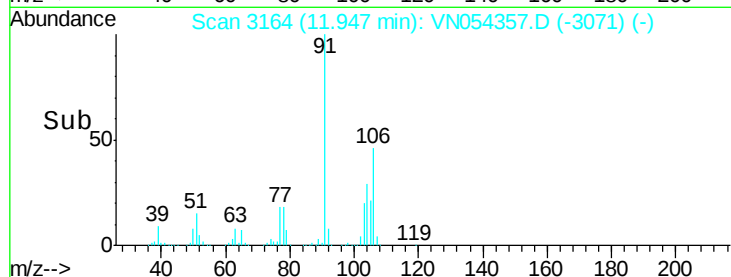
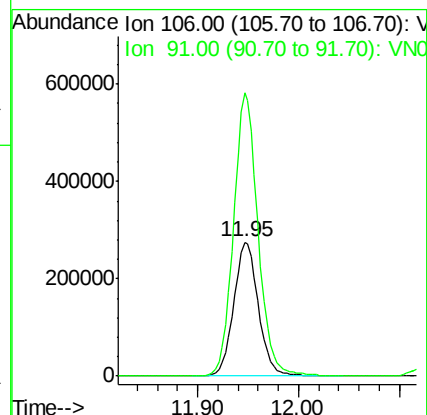
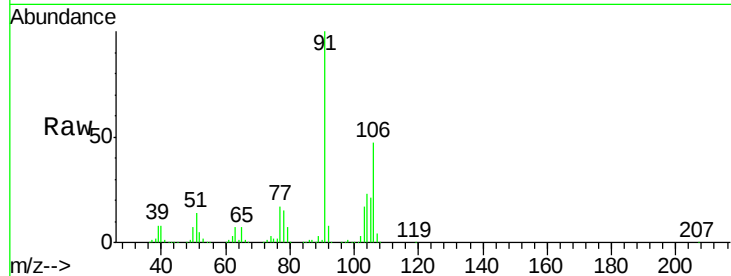




#69  
o-Xylene  
Concen: 21.343 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

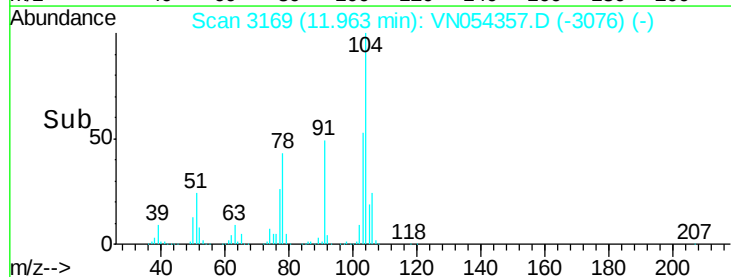
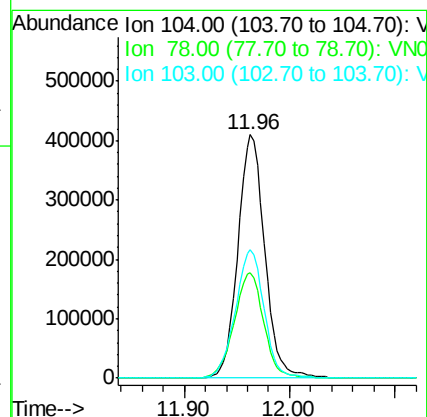
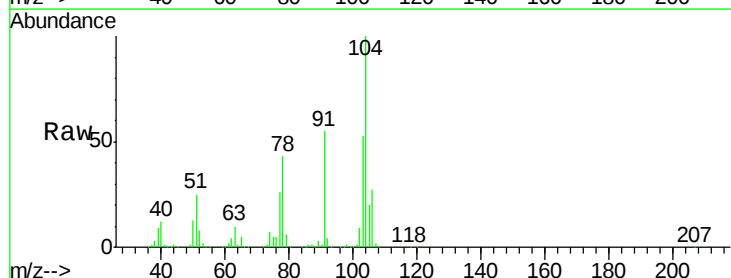
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

Tot Ion:106 Resp: 470694  
Ion Ratio Lower Upper  
106 100  
91 209.0 105.7 317.1



#70  
Styrene  
Concen: 20.910 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion:104 Resp: 723215  
Ion Ratio Lower Upper  
104 100  
78 47.7 38.2 57.2  
103 56.4 44.4 66.6





#71

Bromoform

Concen: 17.815 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

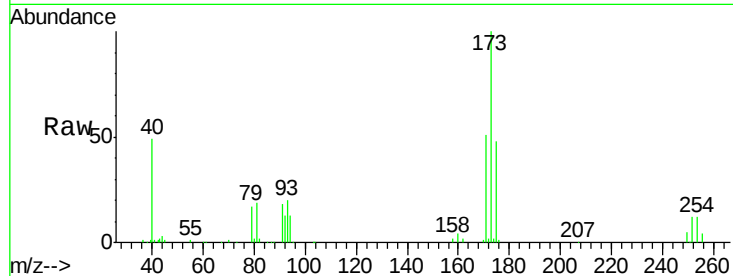
Tot Ion:173 Resp: 156910

Ion Ratio Lower Upper

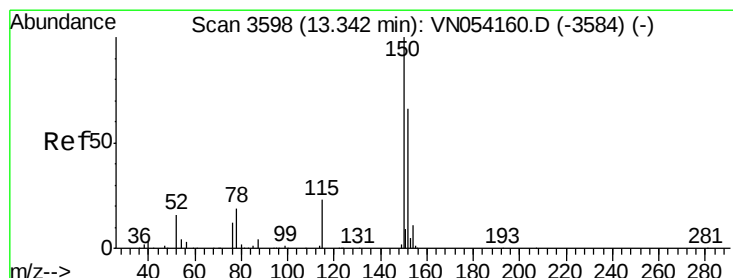
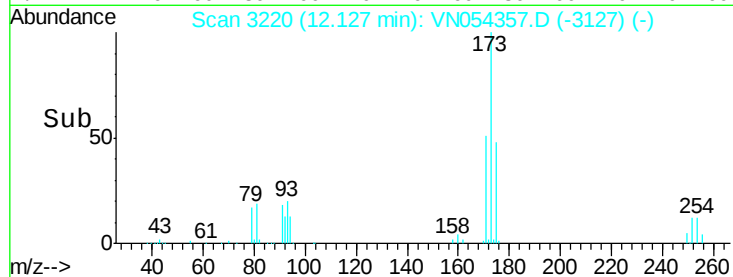
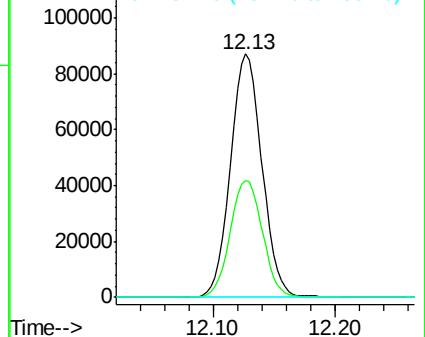
173 100

175 49.1 24.4 73.2

254 0.1 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

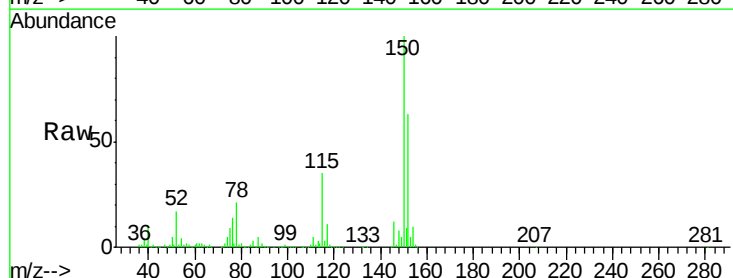
Tgt Ion:152 Resp: 702585

Ion Ratio Lower Upper

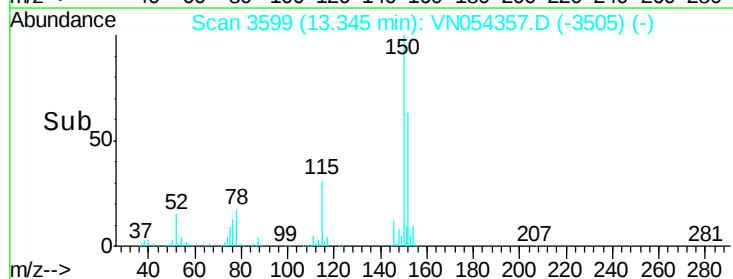
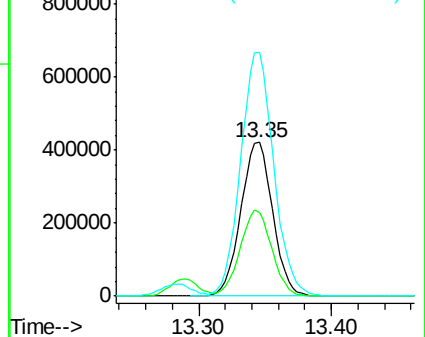
152 100

115 55.5 27.2 81.6

150 164.6 0.0 349.2



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: 21.796 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

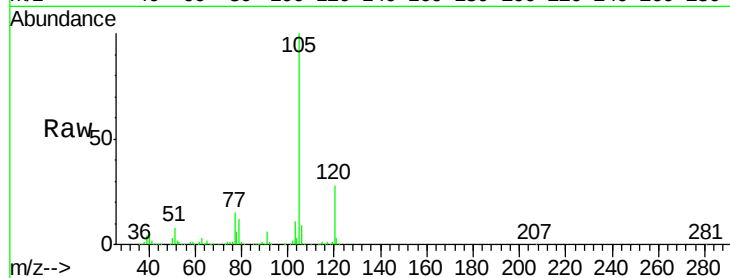
VN0316WBS02

Tot Ion:105 Resp: 1225174

Ion Ratio Lower Upper

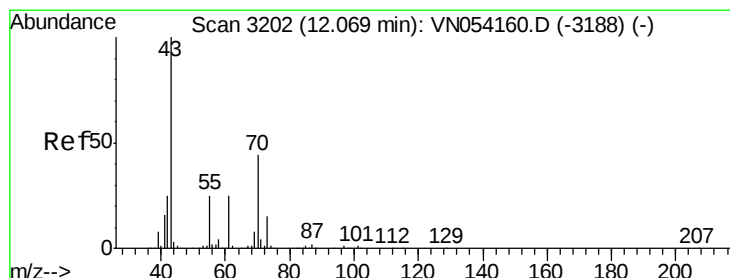
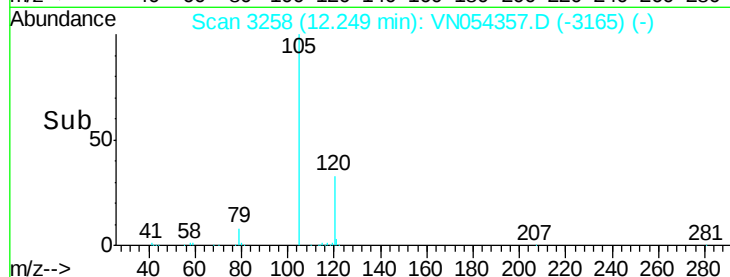
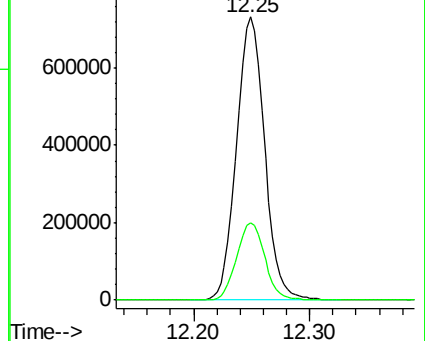
105 100

120 27.6 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.867 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Tgt Ion: 43 Resp: 272829

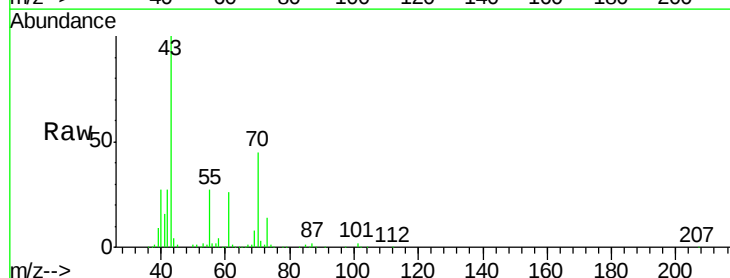
Ion Ratio Lower Upper

43 100

70 45.7 35.4 53.0

55 27.0 19.8 29.6

61 25.4 19.8 29.6

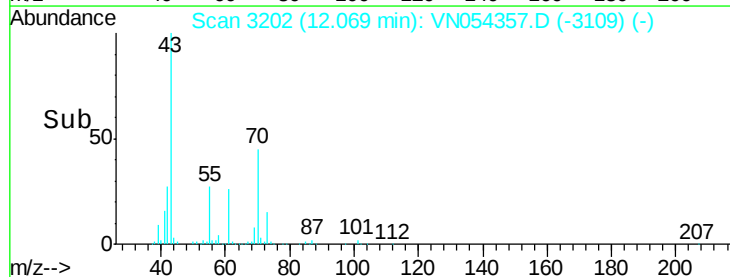
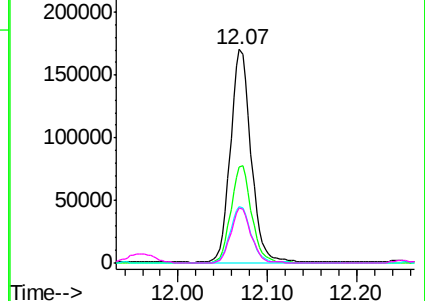


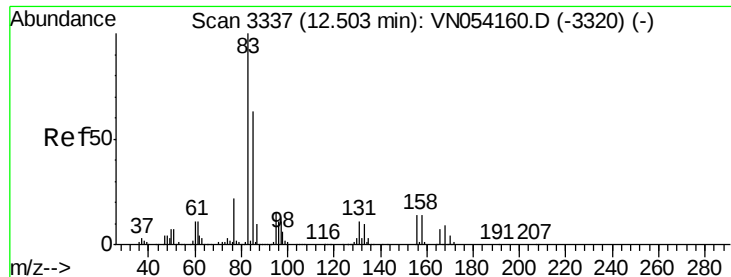
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.945 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

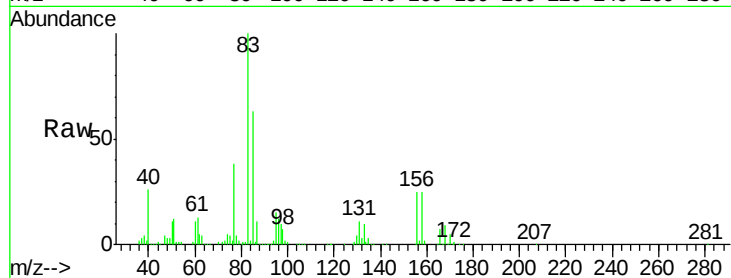
Tot Ion: 83 Resp: 286765

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

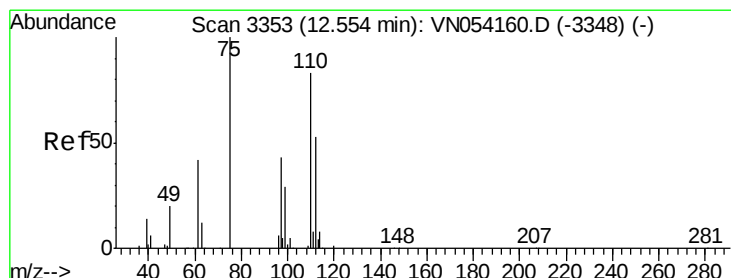
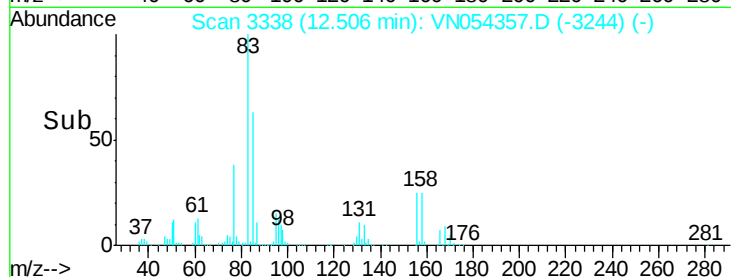
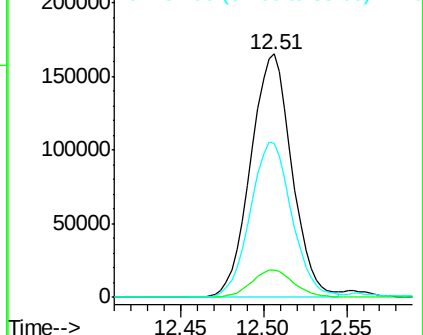
85 64.2 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.857 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054357.D

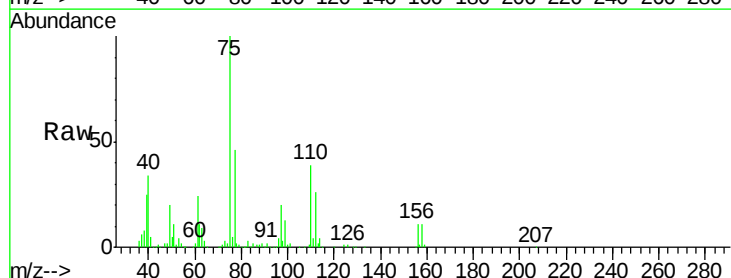
Acq: 17 Mar 2019 1:26

Tgt Ion: 75 Resp: 318807

Ion Ratio Lower Upper

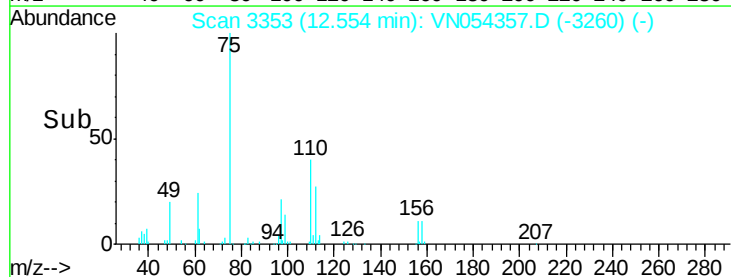
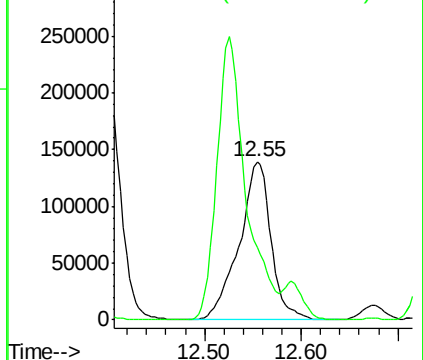
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.613 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

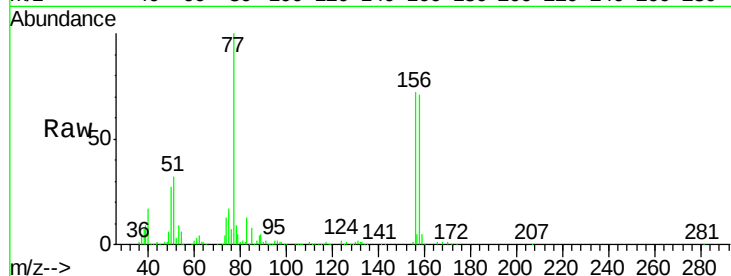
Tot Ion:156 Resp: 321481

Ion Ratio Lower Upper

156 100

77 162.1 81.5 244.4

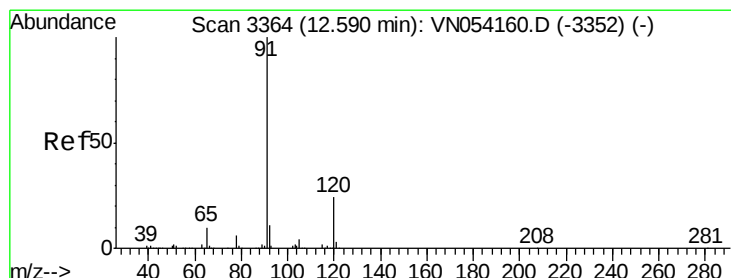
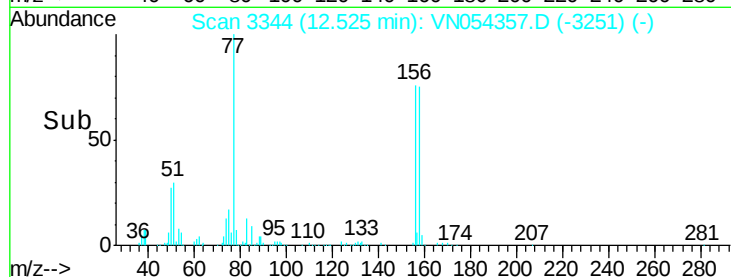
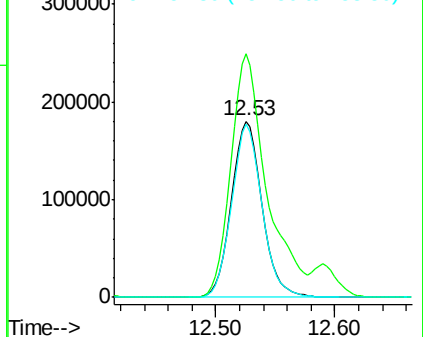
158 97.4 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.097 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054357.D

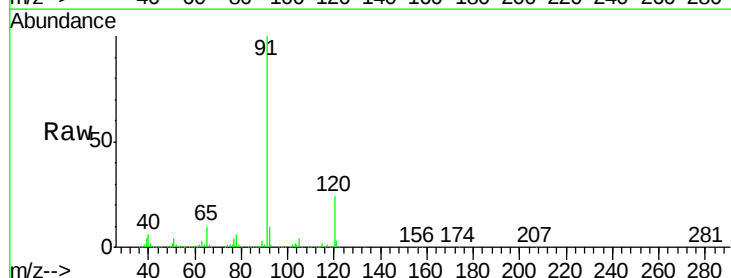
Acq: 17 Mar 2019 1:26

Tgt Ion: 91 Resp: 1286760

Ion Ratio Lower Upper

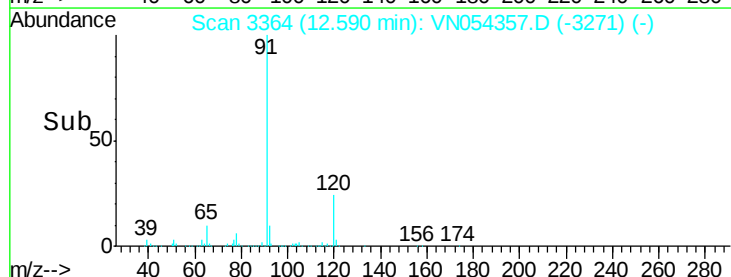
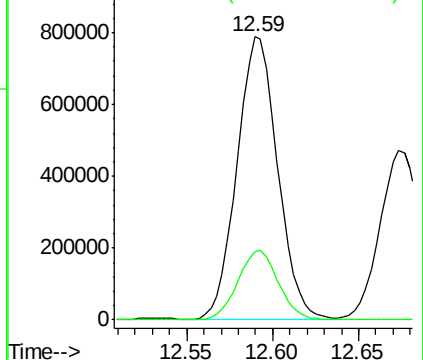
91 100

120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

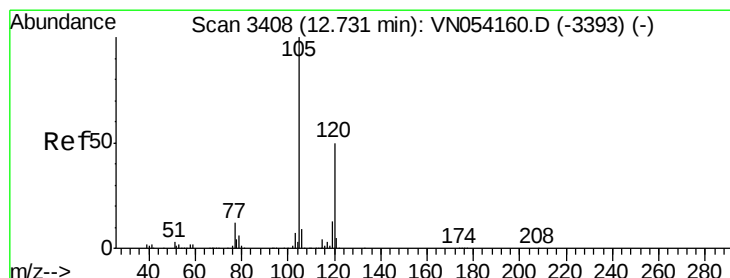
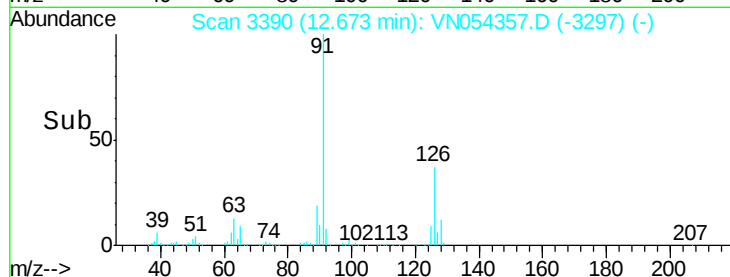
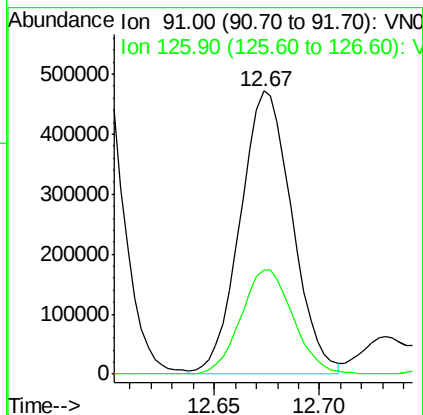
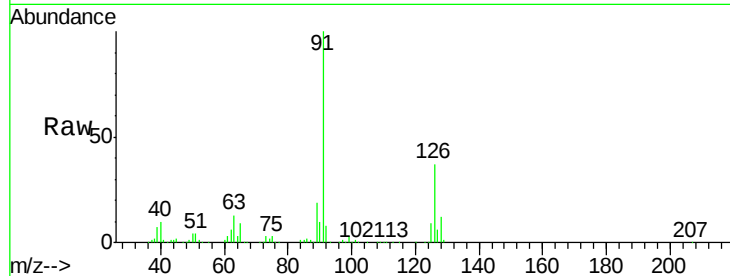




#79  
 2-Chlorotoluene  
 Concen: 21.894 ug/l  
 RT: 12.67 min Scan# 3390  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

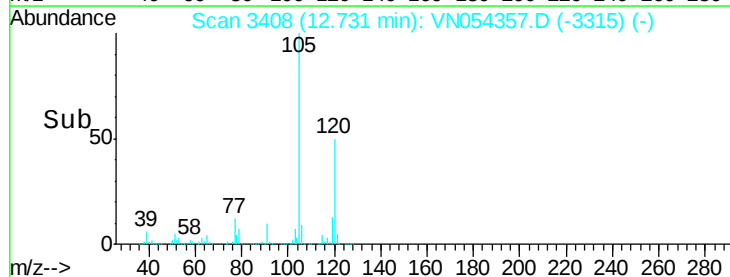
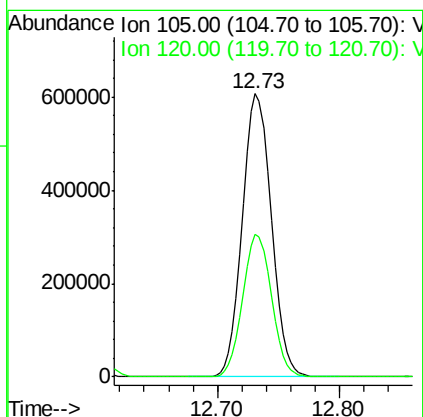
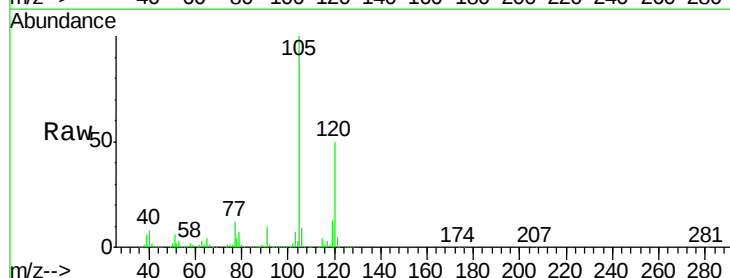
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0316WBS02

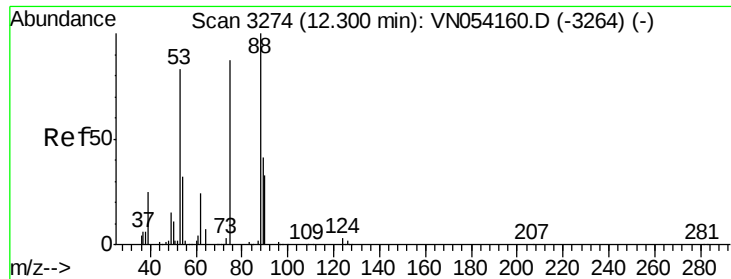
Tot Ion: 91 Resp: 802920  
 Ion Ratio Lower Upper  
 91 100  
 126 37.4 18.7 56.1



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.225 ug/l  
 RT: 12.73 min Scan# 3408  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

Tgt Ion: 105 Resp: 992402  
 Ion Ratio Lower Upper  
 105 100  
 120 50.2 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 12.691 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

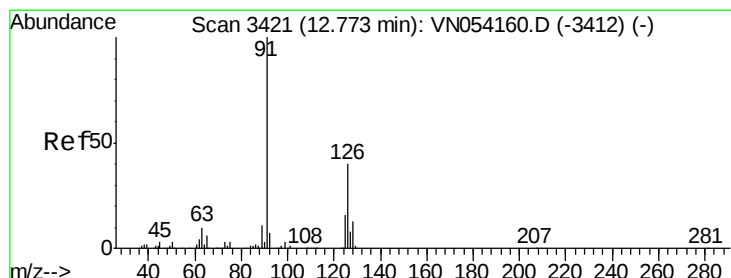
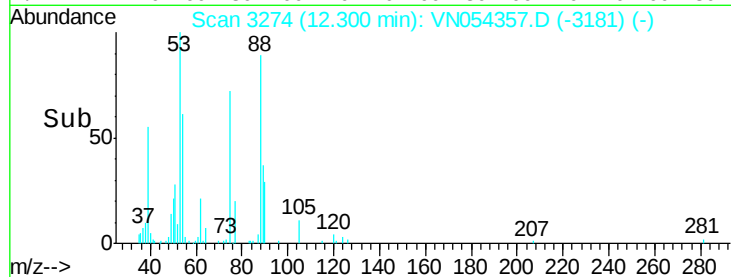
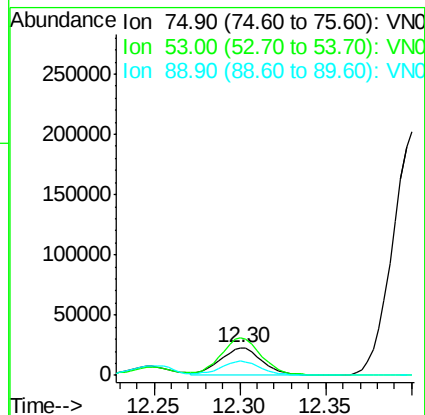
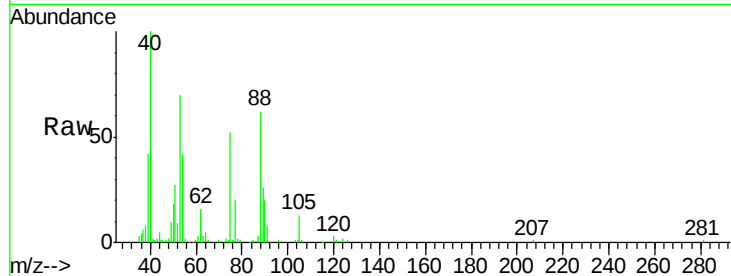
Tot Ion: 75 Resp: 38357

Ion Ratio Lower Upper

75 100

53 136.5 76.2 114.2#

89 50.2 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.908 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054357.D

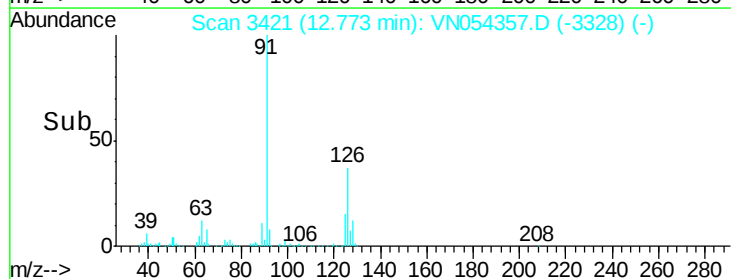
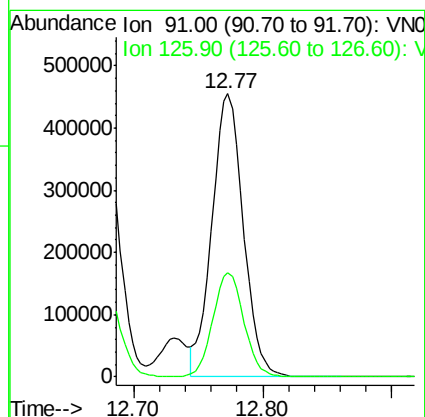
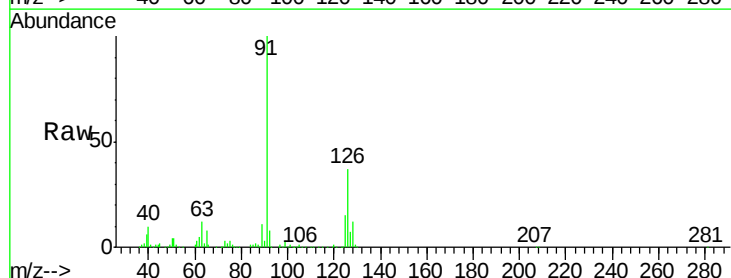
Acq: 17 Mar 2019 1:26

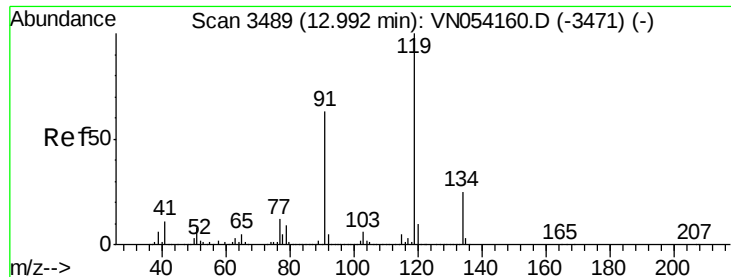
Tgt Ion: 91 Resp: 765620

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.1

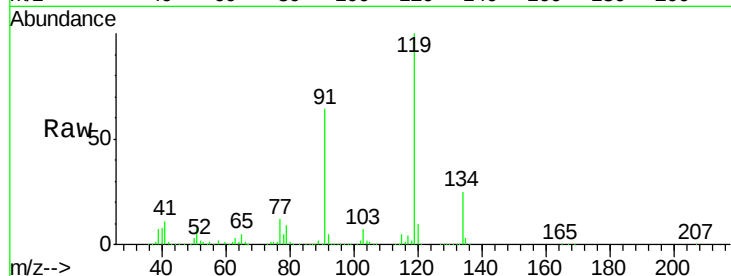




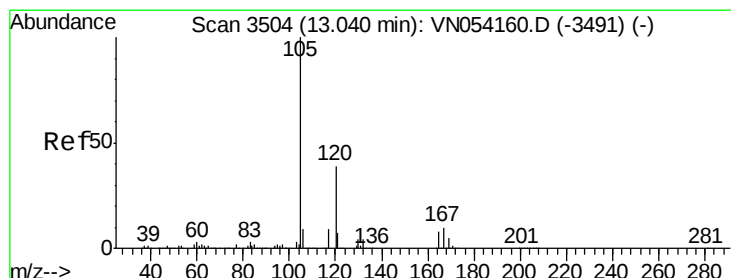
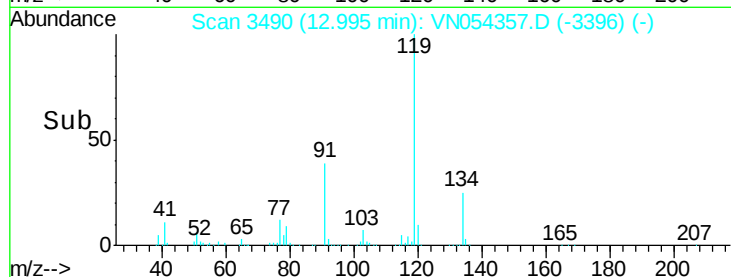
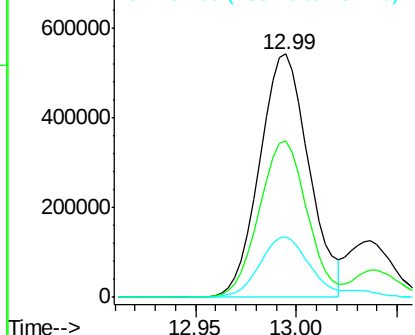
#83  
tert-Butylbenzene  
Concen: 21.431 ug/l  
RT: 12.99 min Scan# 3490  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0316WBS02

Tot Ion:119 Resp: 922291  
Ion Ratio Lower Upper  
119 100  
91 62.4 30.9 92.8  
134 26.8 13.2 39.6

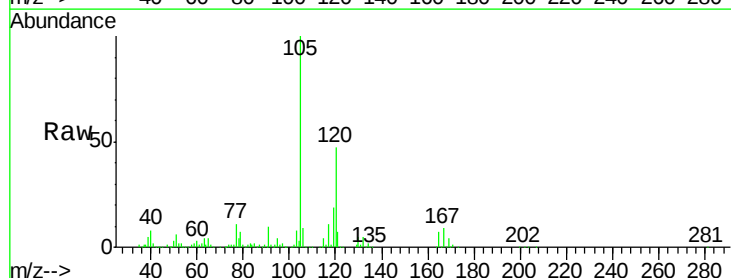


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

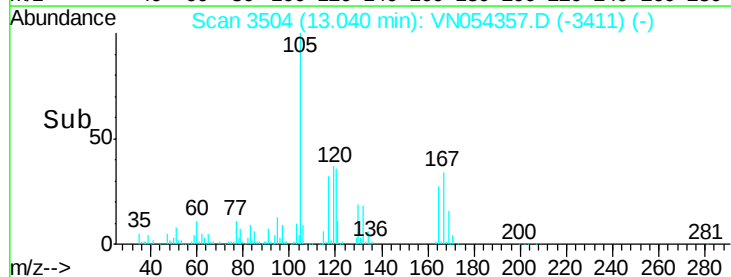
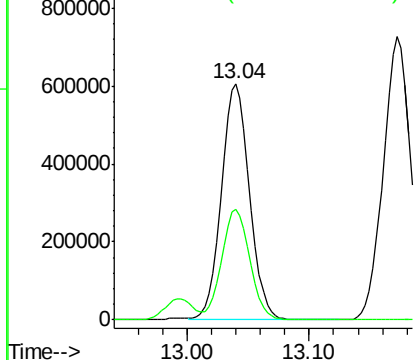


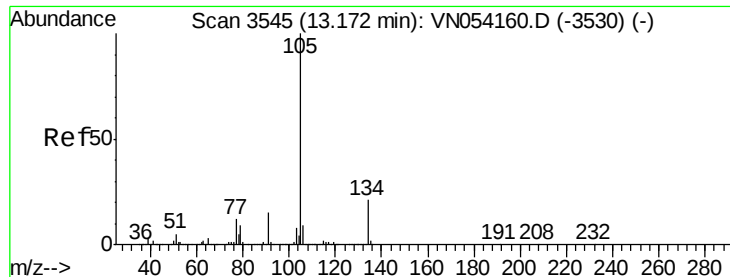
#84  
1,2,4-Trimethylbenzene  
Concen: 21.289 ug/l  
RT: 13.04 min Scan# 3504  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Tgt Ion:105 Resp: 976514  
Ion Ratio Lower Upper  
105 100  
120 47.0 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 20.501 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampled :

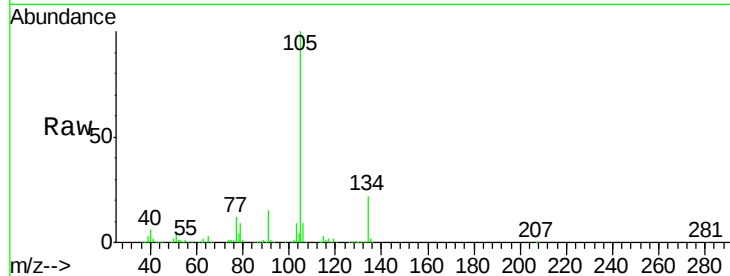
VN0316WBS02

Tot Ion:105 Resp: 1144187

Ion Ratio Lower Upper

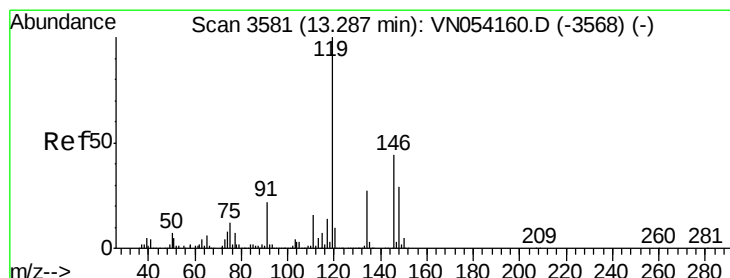
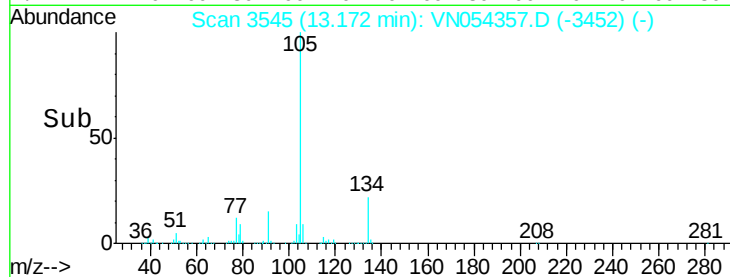
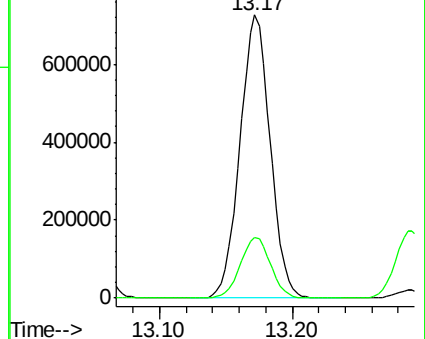
105 100

134 21.5 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.064 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

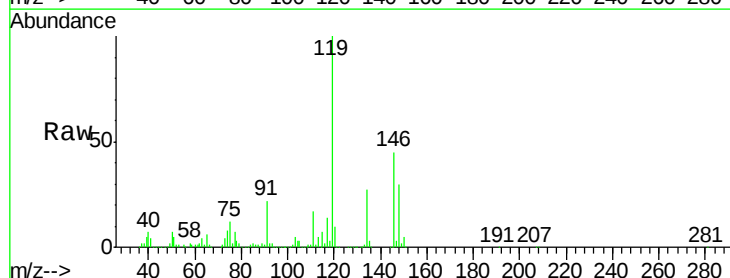
Tgt Ion:119 Resp: 982431

Ion Ratio Lower Upper

119 100

134 27.5 13.6 40.8

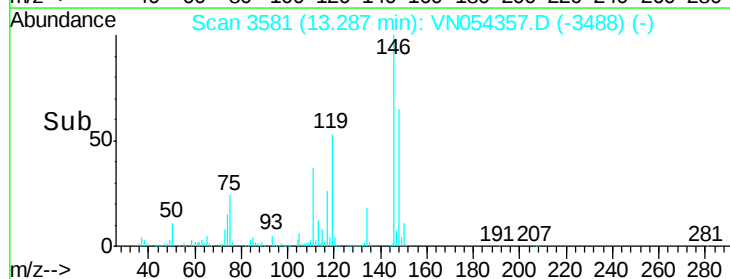
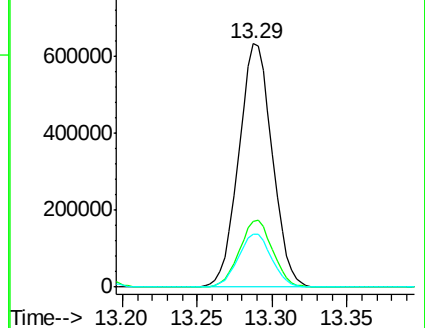
91 22.0 11.1 33.3

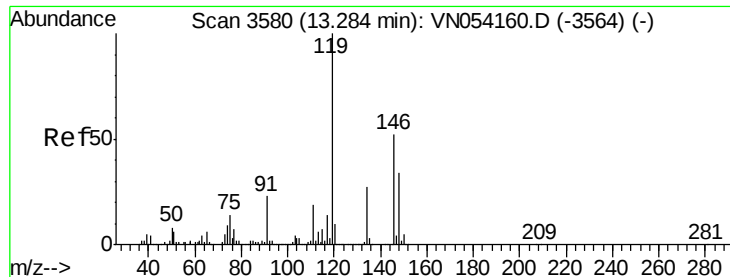


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.068 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

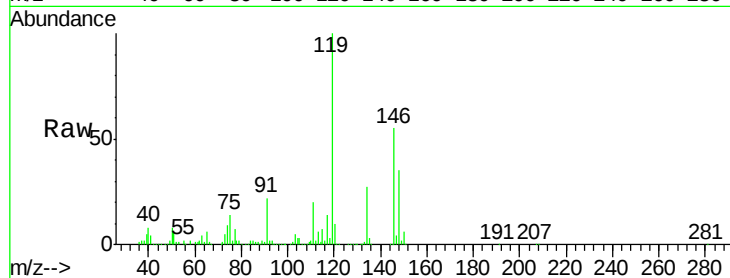
Tot Ion:146 Resp: 528040

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.3

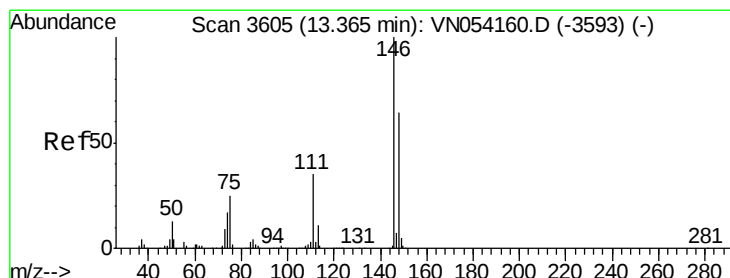
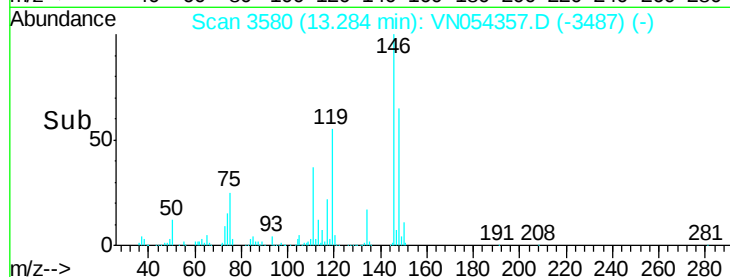
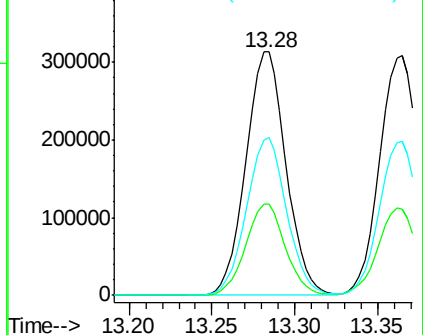
148 64.6 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 20.975 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

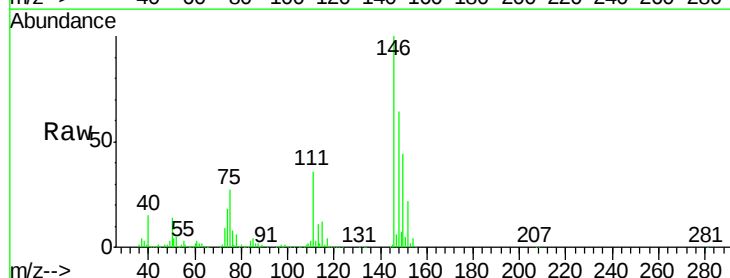
Tgt Ion:146 Resp: 516437

Ion Ratio Lower Upper

146 100

111 36.6 18.1 54.1

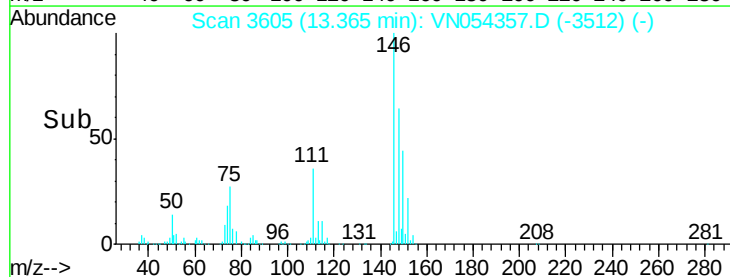
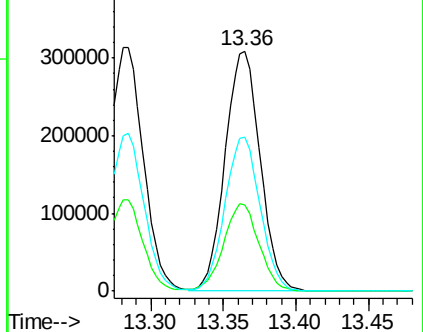
148 64.5 32.0 96.0

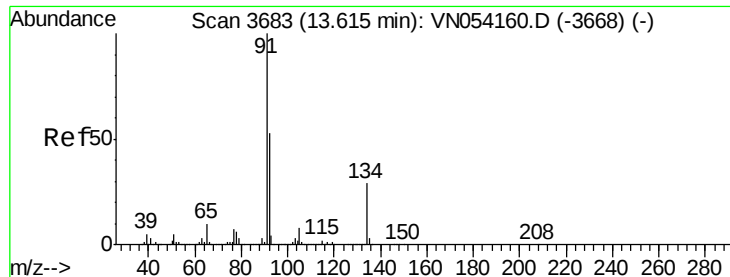


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.500 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

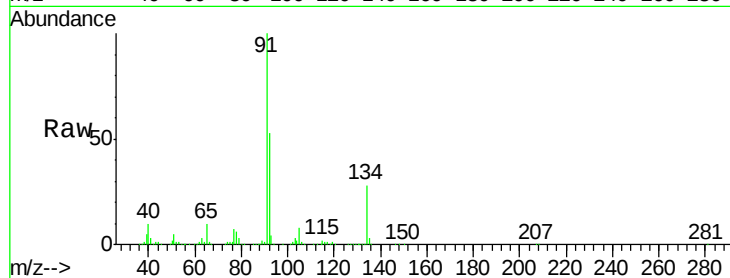
Tot Ion: 91 Resp: 688263

Ion Ratio Lower Upper

91 100

92 52.3 26.2 78.6

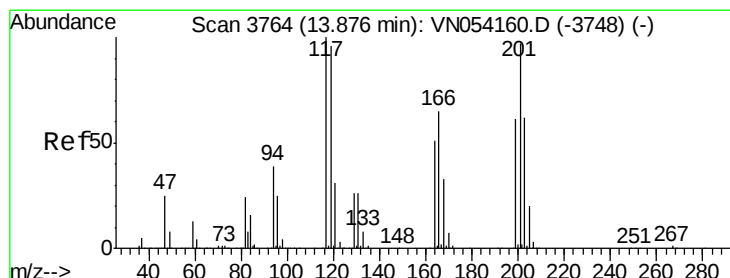
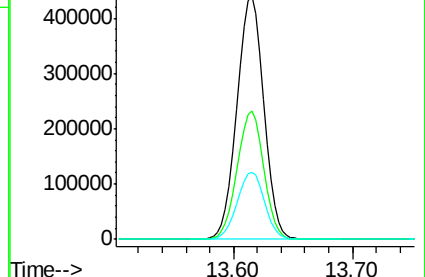
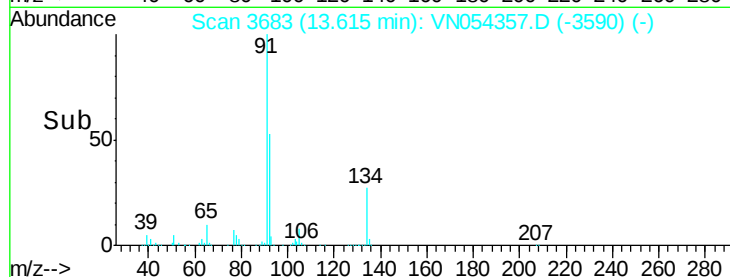
134 28.0 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.758 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054357.D

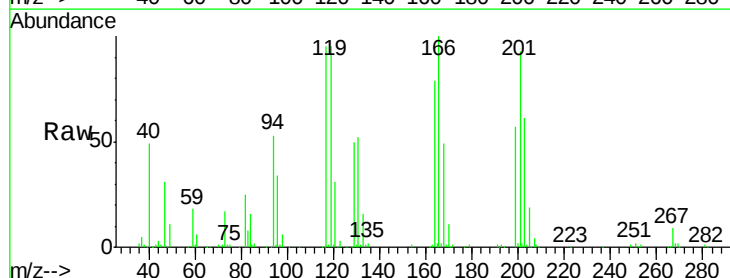
Acq: 17 Mar 2019 1:26

Tgt Ion: 117 Resp: 143978

Ion Ratio Lower Upper

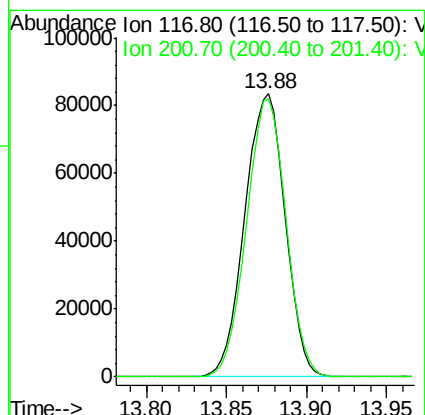
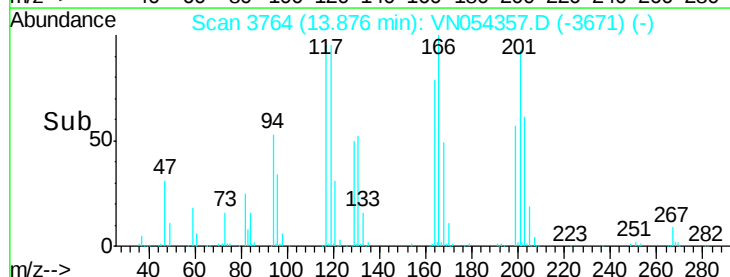
117 100

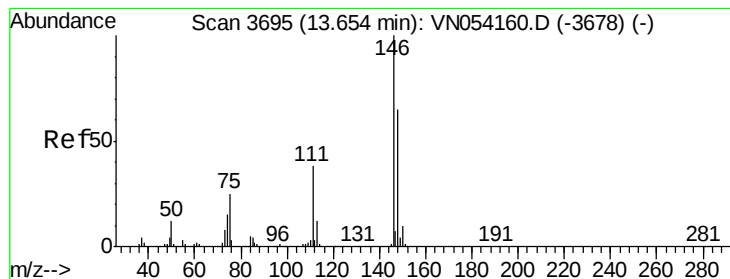
201 95.8 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 22.140 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

Instrument :

MSVOA\_N

ClientSampleId :

VN0316WBS02

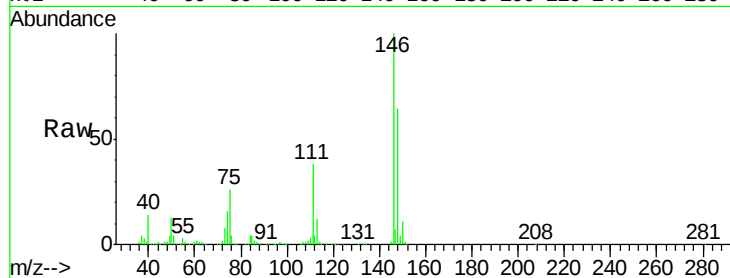
Tot Ion:146 Resp: 542480

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.3

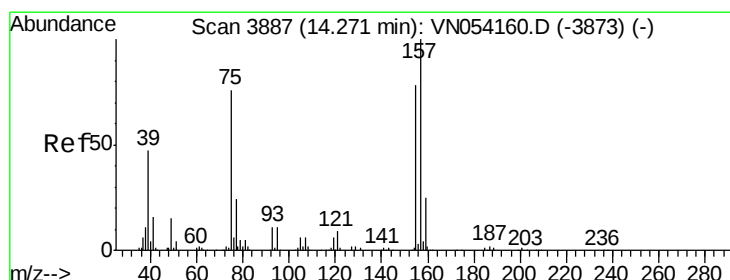
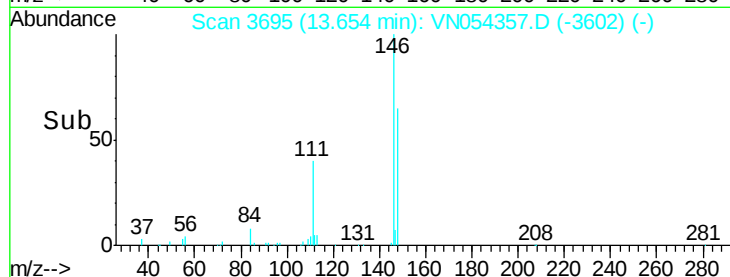
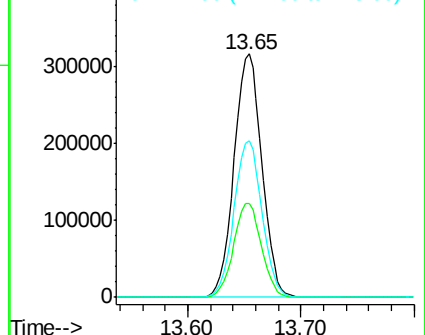
148 64.5 32.4 97.0



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: 21.074 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054357.D

Acq: 17 Mar 2019 1:26

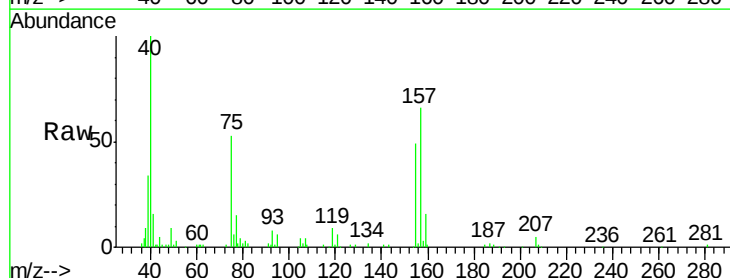
Tgt Ion: 75 Resp: 39055

Ion Ratio Lower Upper

75 100

155 93.5 50.1 150.3

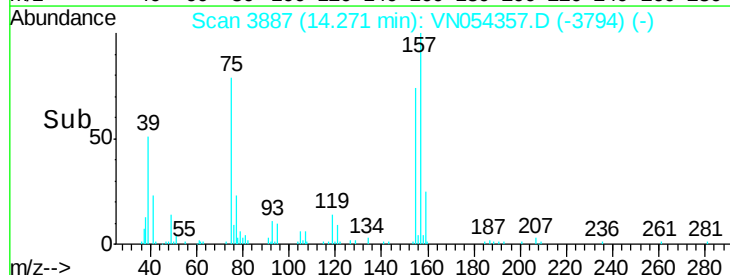
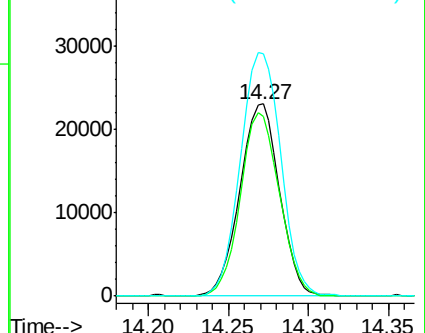
157 128.8 63.1 189.3

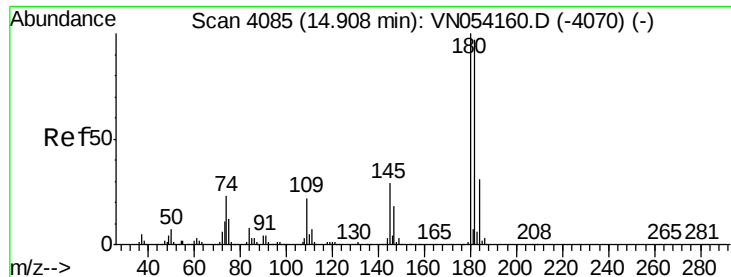


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

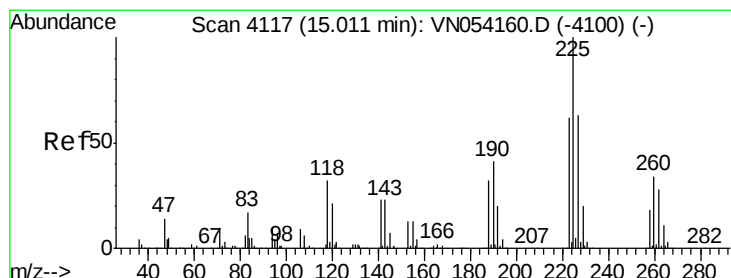
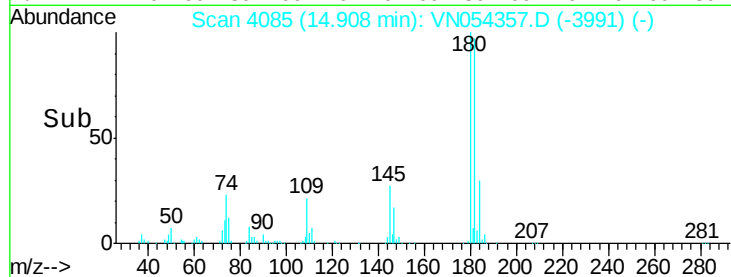
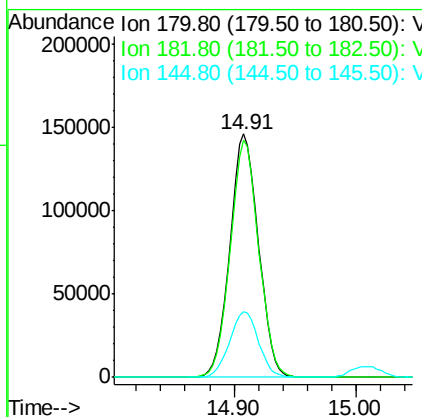
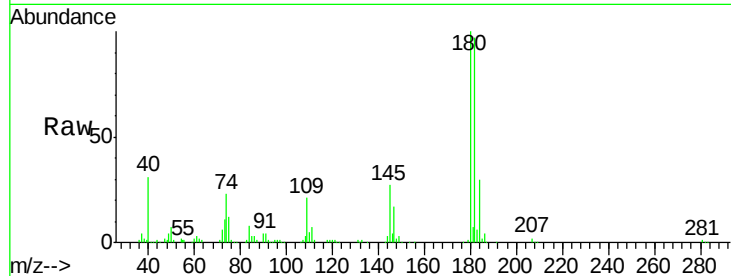




#93  
 1,2,4-Trichlorobenzene  
 Concen: 17.791 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

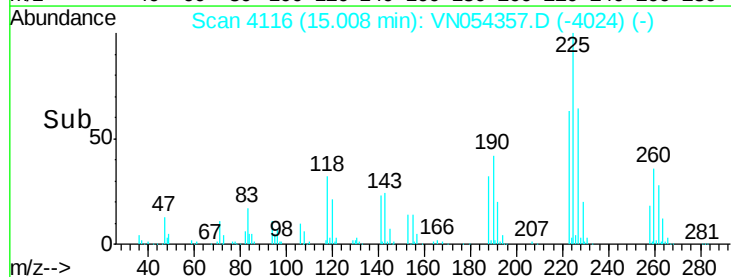
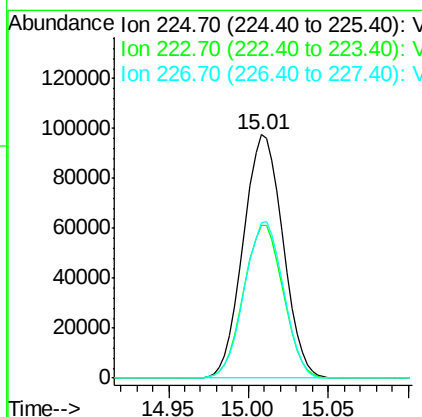
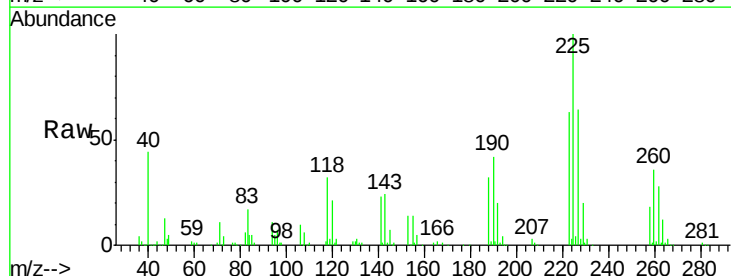
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0316WBS02

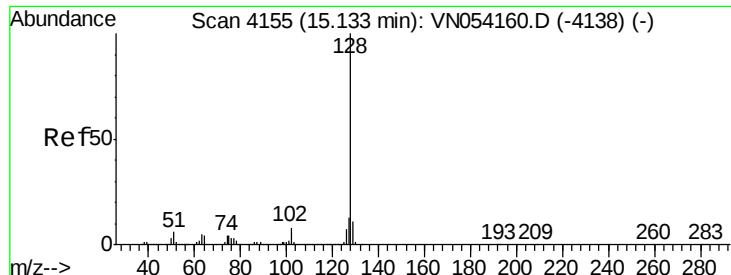
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.0  | 48.0  | 144.2 |
| 145     | 27.6  | 14.2  | 42.8  |



#94  
 Hexachlorobutadiene  
 Concen: 17.729 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. -0.00 min  
 Lab File: VN054357.D  
 Acq: 17 Mar 2019 1:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.6  | 31.1  | 93.5  |
| 227     | 63.1  | 31.9  | 95.9  |

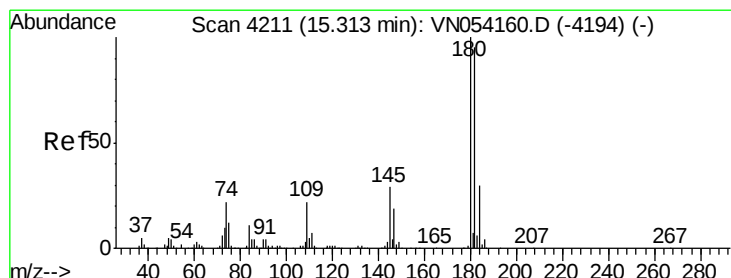
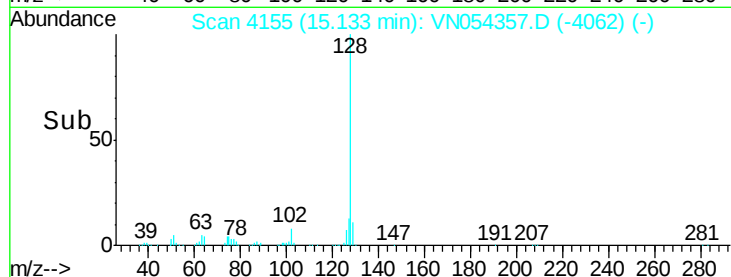
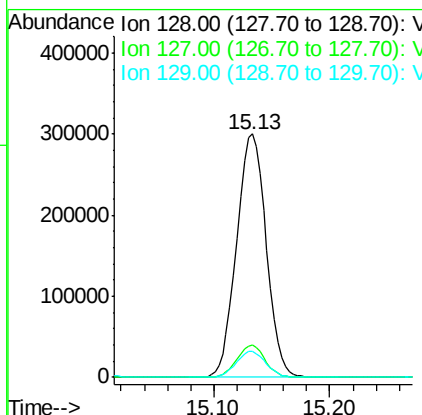
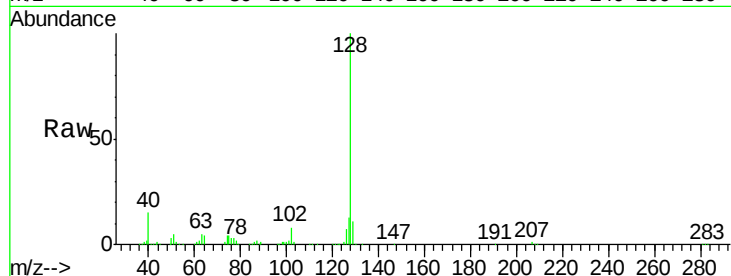




#95  
Naphthalene  
Concen: 19.541 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0316WBS02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.1  | 15.1  |
| 129     | 10.6  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.219 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN054357.D  
Acq: 17 Mar 2019 1:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.6  | 47.5  | 142.6 |
| 145     | 30.2  | 14.8  | 44.3  |

