

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\  
 Data File : VN050558.D  
 Acq On : 13 Aug 2018 10:48  
 Operator : MD\SY  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Aug 14 00:55:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 666041   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 943131   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 888155   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 459450   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 391225   | 43.96 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 87.92% |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 364726   | 48.20 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.40% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1355915  | 47.65 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.30% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 462745   | 47.72 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.44% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 310331  | 41.97  | ug/l | 100    |
| 3) Chloromethane              | 2.06 | 50  | 398249  | 45.45  | ug/l | 100    |
| 4) Vinyl Chloride             | 2.18 | 62  | 408485  | 42.68  | ug/l | 97     |
| 5) Bromomethane               | 2.56 | 94  | 225326  | 48.57  | ug/l | 100    |
| 6) Chloroethane               | 2.70 | 64  | 252326  | 42.79  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 544919  | 44.09  | ug/l | 99     |
| 8) Diethyl Ether              | 3.41 | 74  | 205262  | 45.29  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.76 | 101 | 351296  | 45.99  | ug/l | 100    |
| 10) Methyl Iodide             | 3.95 | 142 | 187475  | 55.71  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.79 | 59  | 115699  | 161.85 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 310478  | 43.12  | ug/l | 97     |
| 13) Acrolein                  | 3.61 | 56  | 79797   | 95.66  | ug/l | 97     |
| 14) Allyl chloride            | 4.32 | 41  | 516133  | 44.63  | ug/l | 96     |
| 15) Acrylonitrile             | 4.99 | 53  | 627126  | 209.43 | ug/l | 99     |
| 16) Acetone                   | 3.81 | 43  | 548510  | 206.62 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.05 | 76  | 904641  | 38.64  | ug/l | 99     |
| 18) Methyl Acetate            | 4.32 | 43  | 314179  | 45.54  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 923076  | 45.17  | ug/l | 100    |
| 20) Methylene Chloride        | 4.55 | 84  | 380685  | 46.81  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 341997  | 43.89  | ug/l | 97     |
| 22) Diisopropyl ether         | 5.95 | 45  | 1151252 | 48.74  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 3835747 | 227.58 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 662679  | 45.72  | ug/l | 100    |
| 25) 2-Butanone                | 6.84 | 43  | 885227  | 200.75 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 528097  | 44.20  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 399275  | 46.23  | ug/l | 100    |
| 28) Bromochloromethane        | 7.19 | 49  | 322256  | 48.30  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.21 | 42  | 462028  | 195.75 | ug/l | 100    |
| 30) Chloroform                | 7.37 | 83  | 672933  | 46.44  | ug/l | 100    |
| 31) Cyclohexane               | 7.65 | 56  | 563748  | 44.12  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 555957  | 44.68  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 500794  | 48.33  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.93 | 43  | 314571  | 42.15  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 492364  | 45.55  | ug/l | 99     |

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 VSTDCCC050

Quant Time: Aug 14 00:55:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 536448   | 47.43  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 1528661  | 47.98  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.17  | 41   | 177463   | 44.72  | ug/l # | 81       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 480605   | 47.52  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.16  | 43   | 559587   | 43.44  | ug/l   | 98       |
| 44) Trichloroethene            | 8.83  | 130  | 393795   | 46.00  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 411545   | 49.13  | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 245812   | 47.52  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.40  | 83   | 524301   | 48.94  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 279454   | 43.28  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 75735    | 760.96 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 2005225  | 216.13 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 950394   | 49.66  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 529847   | 49.26  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 610918   | 50.89  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 352197   | 47.14  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 448568   | 42.69  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 595664   | 48.57  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 1071827  | 218.46 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 1353676  | 209.07 | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.90 | 129  | 404582   | 49.16  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 349093   | 47.40  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.63 | 164  | 371803   | 44.80  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 1058113  | 47.52  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 396336   | 48.91  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 1790475  | 49.75  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 1387998  | 101.30 | ug/l   | 100      |
| 69) o-Xylene                   | 11.95 | 106  | 659554   | 49.97  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 1103915  | 51.43  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 279900   | 47.26  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 1747273  | 50.66  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.07 | 43   | 490081   | 43.84  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 439342   | 44.15  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 529054   | 63.62  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 457088   | 49.47  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.59 | 91   | 2018186  | 51.70  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 1200676  | 49.80  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 1456368  | 52.02  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 115727   | 48.89  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 1223171  | 50.87  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 1219837  | 49.94  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 1487857  | 52.46  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 1648914  | 50.65  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 1440003  | 51.62  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 797058   | 48.43  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 778010   | 47.34  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.62 | 91   | 1174613  | 49.46  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 246341   | 49.66  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 757976   | 45.95  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 62632    | 37.07  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Quant Time: Aug 14 00:55:45 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 05:22:15 2018  
Response via : Initial Calibration

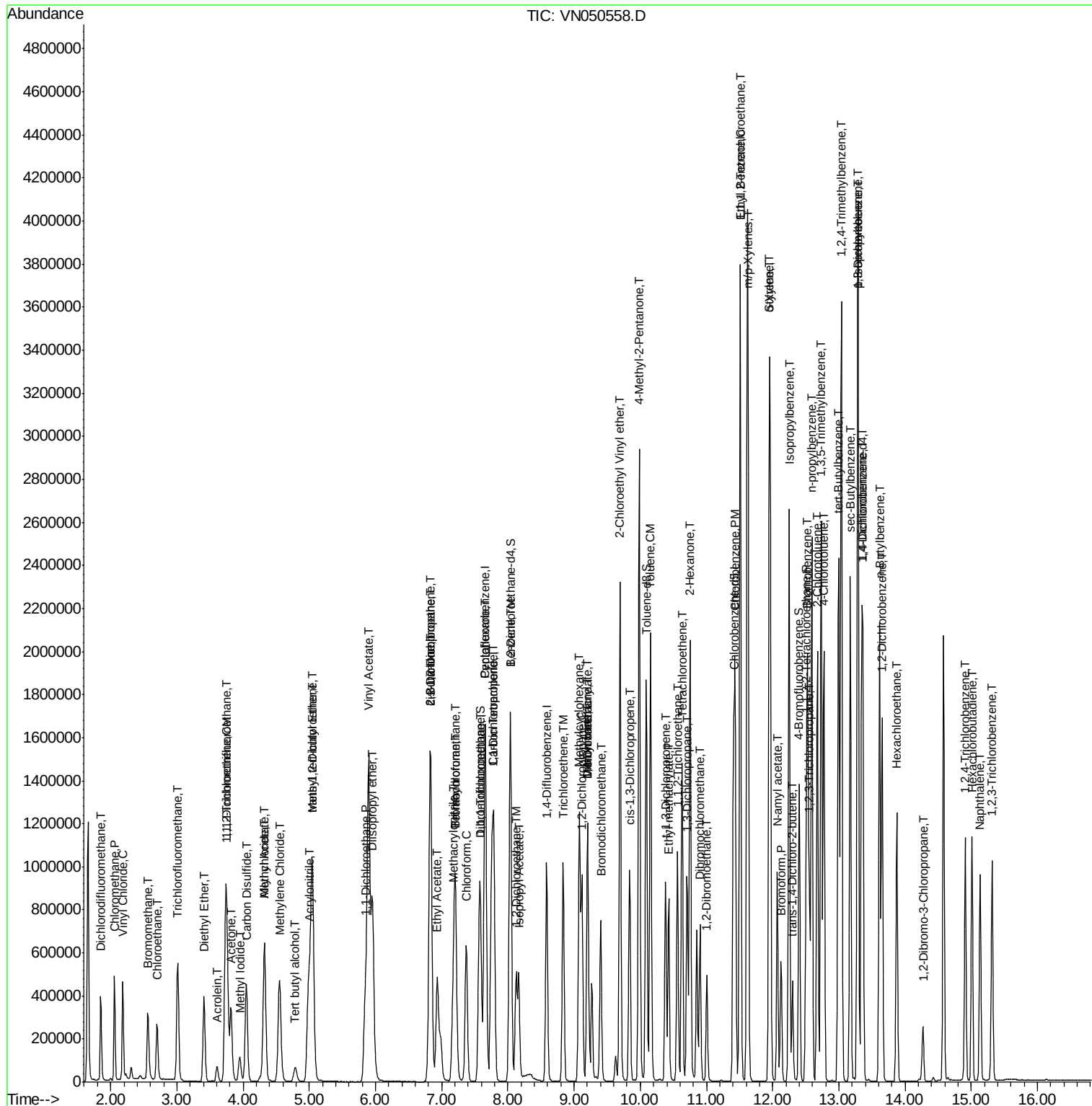
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 393733   | 46.86 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 240026   | 52.37 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 822326   | 37.91 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 376249   | 44.29 | ug/l  | 99       |

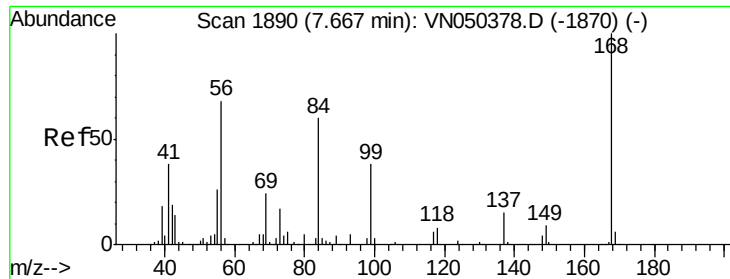
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081318\  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

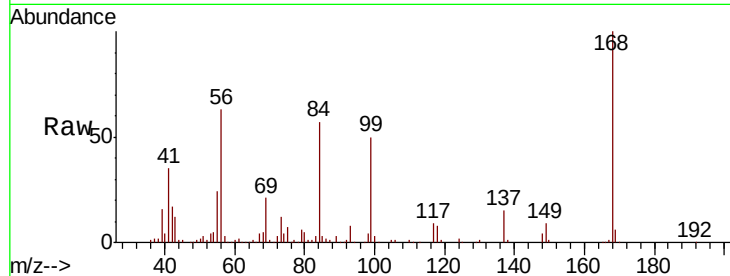
VSTDCCC050

Tot Ion:168 Resp: 666041

Ion Ratio Lower Upper

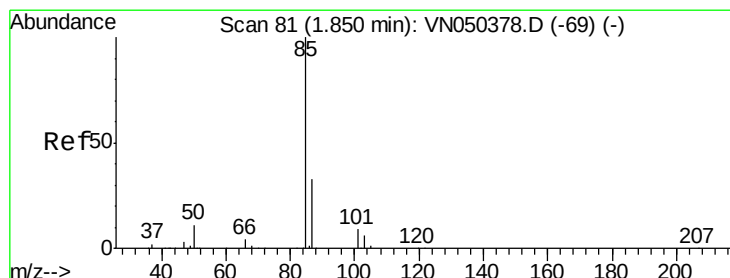
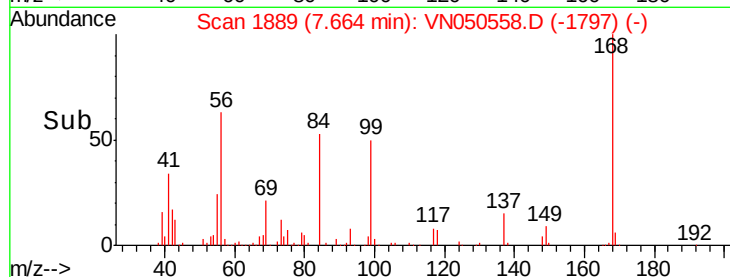
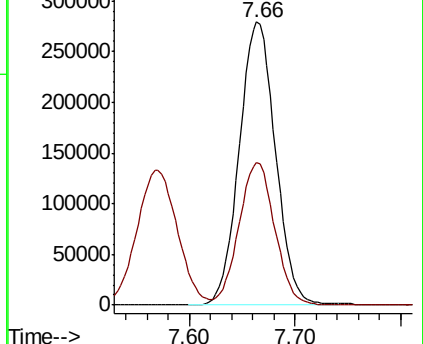
168 100

99 50.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 41.97 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050558.D

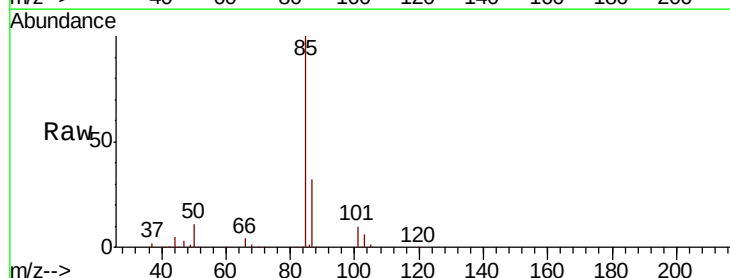
Acq: 13 Aug 2018 10:48

Tgt Ion: 85 Resp: 310331

Ion Ratio Lower Upper

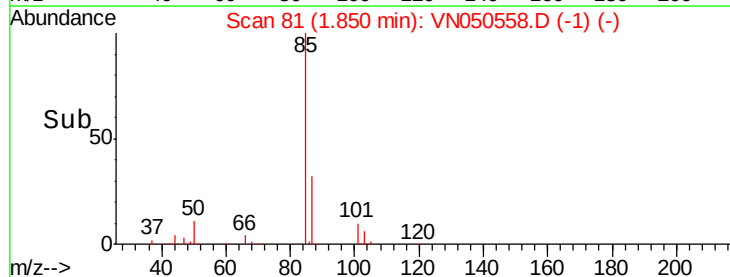
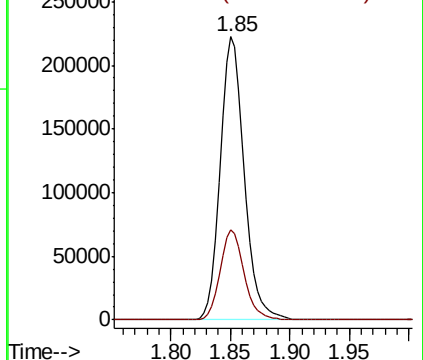
85 100

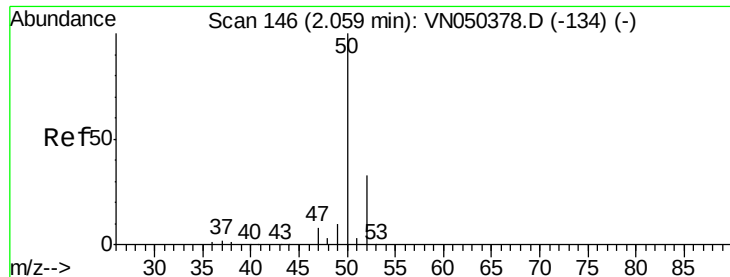
87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

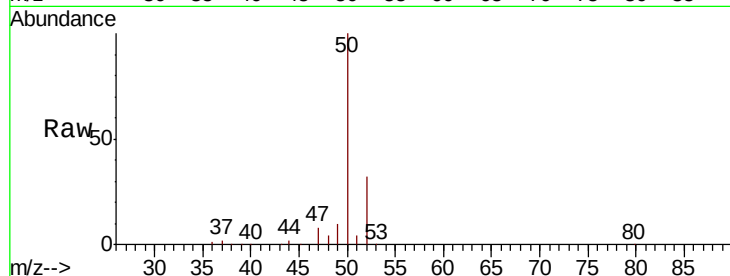
VSTDCCC050

Tot Ion: 50 Resp: 398249

Ion Ratio Lower Upper

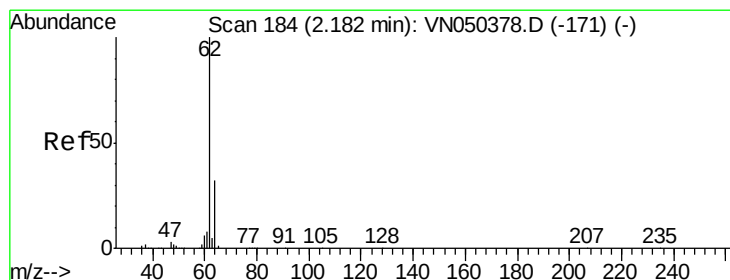
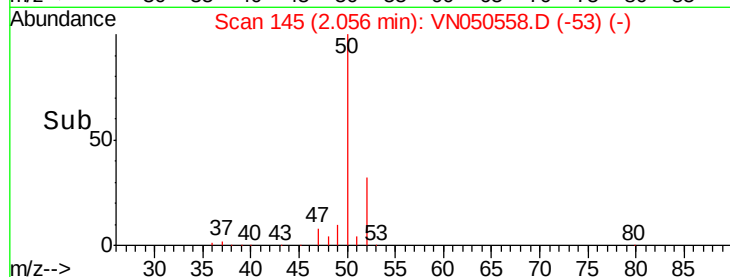
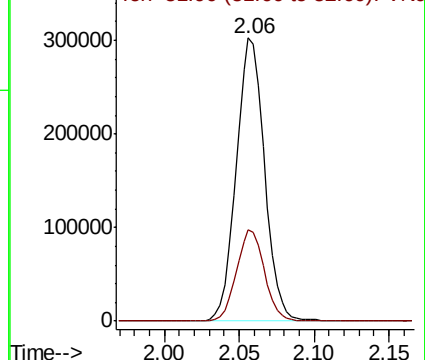
50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 42.68 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050558.D

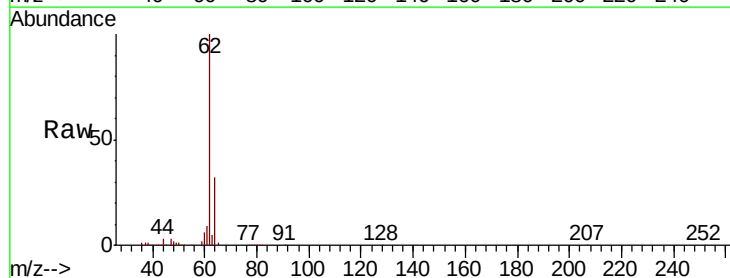
Acq: 13 Aug 2018 10:48

Tgt Ion: 62 Resp: 408485

Ion Ratio Lower Upper

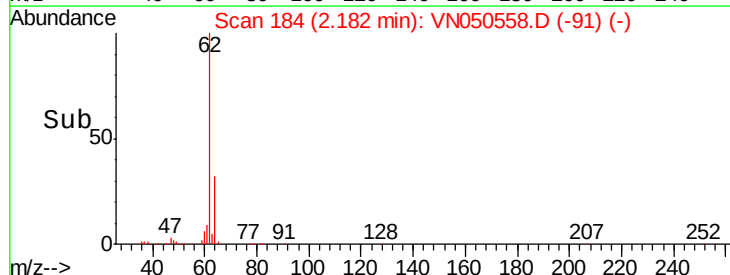
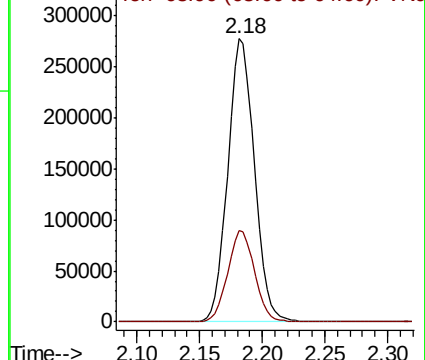
62 100

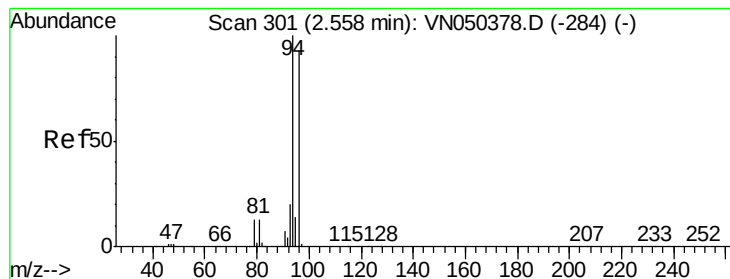
64 32.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 48.57 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

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ClientSampleId :

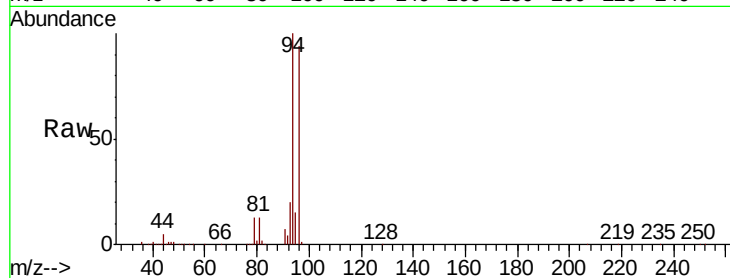
VSTDCCC050

Tot Ion: 94 Resp: 225326

Ion Ratio Lower Upper

94 100

96 93.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

120000

100000

80000

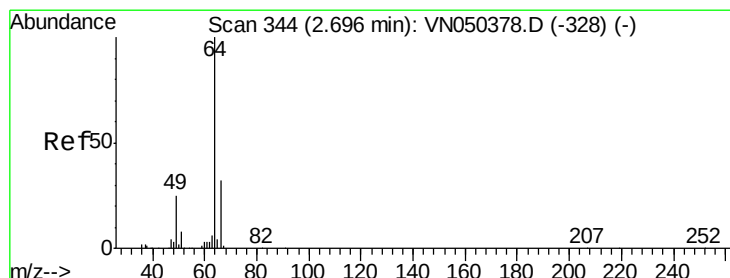
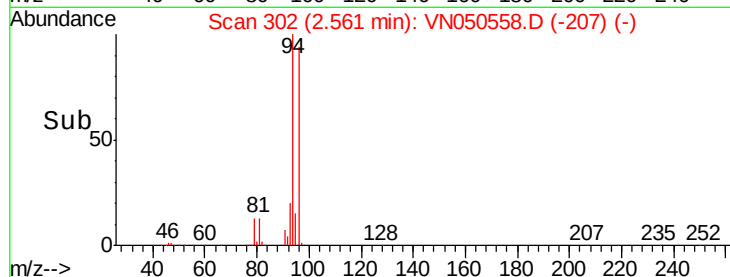
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 42.79 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050558.D

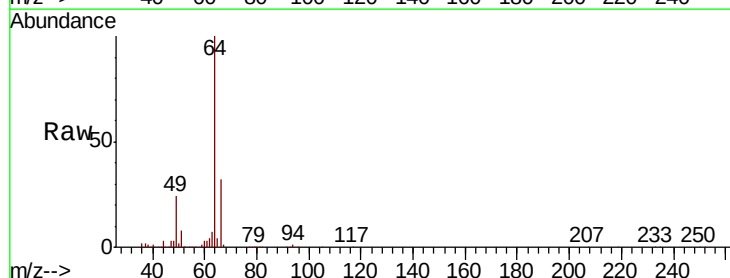
Acq: 13 Aug 2018 10:48

Tgt Ion: 64 Resp: 252326

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

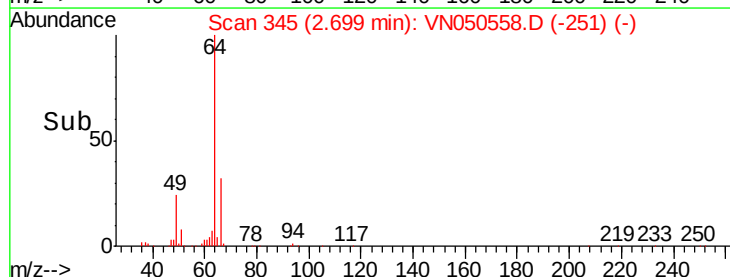
150000

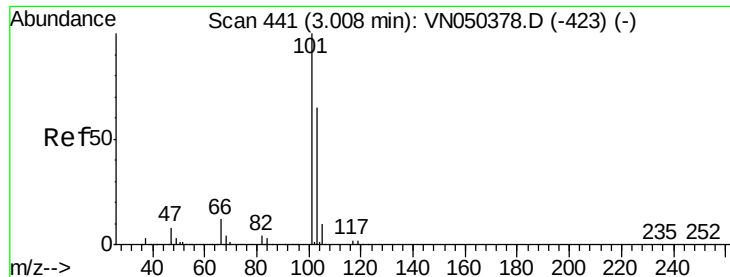
100000

50000

0

Time--> 2.60 2.70 2.80





#7

Trichlorofluoromethane

Concen: 44.09 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

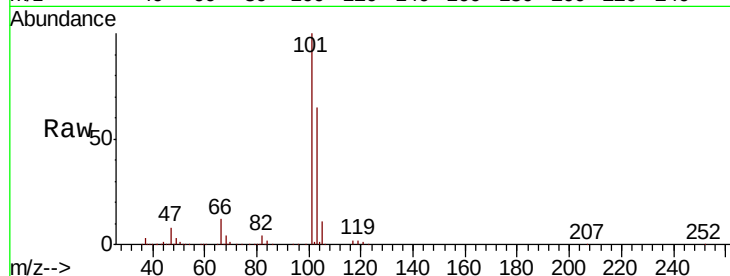
VSTDCCC050

Tot Ion:101 Resp: 544919

Ion Ratio Lower Upper

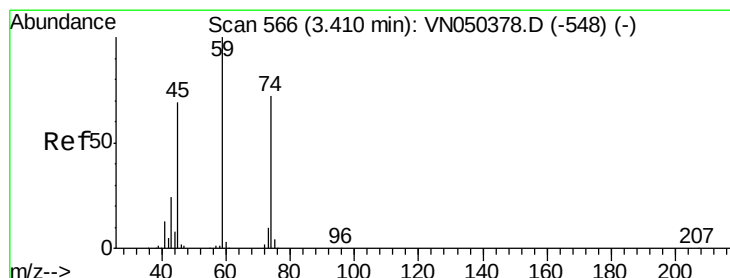
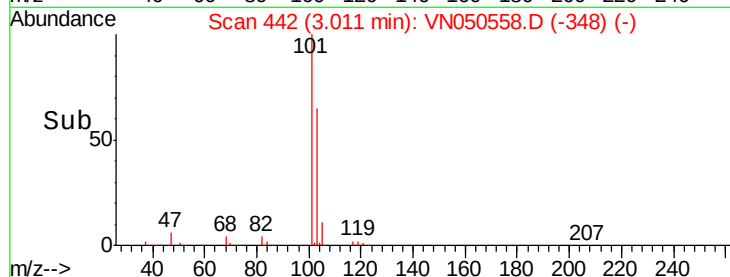
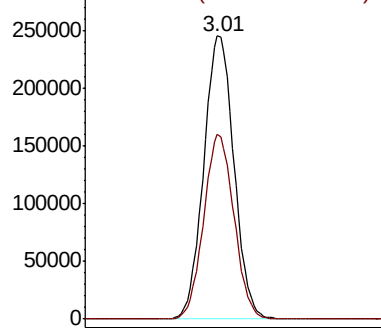
101 100

103 65.2 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 45.29 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050558.D

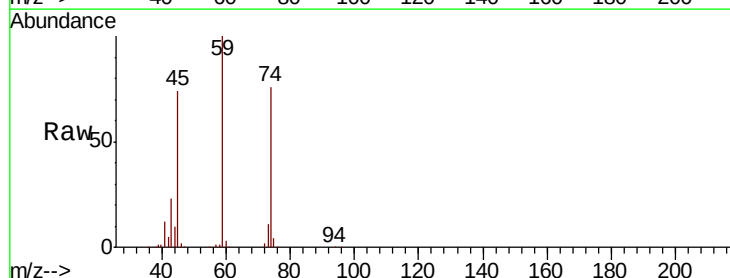
Acq: 13 Aug 2018 10:48

Tgt Ion: 74 Resp: 205262

Ion Ratio Lower Upper

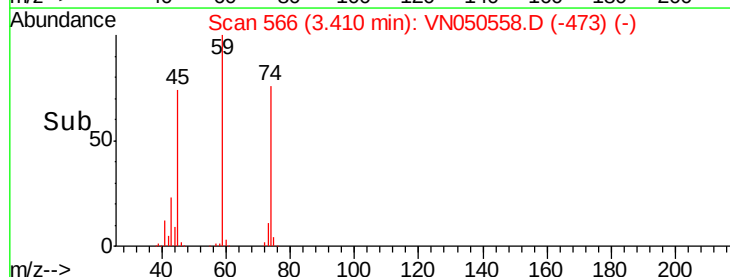
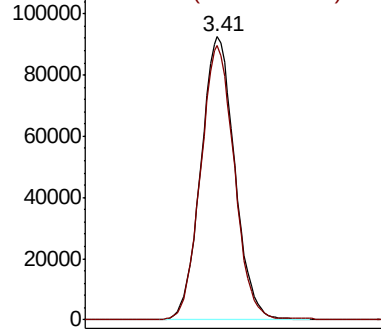
74 100

45 95.6 47.6 142.8

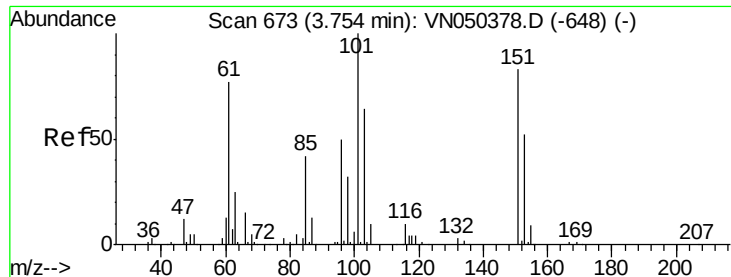


Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO







#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.99 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

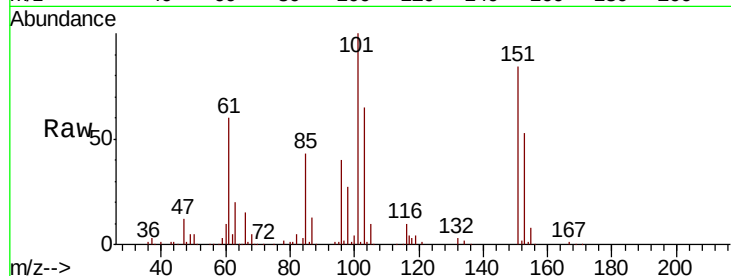
Tot Ion:101 Resp: 351296

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

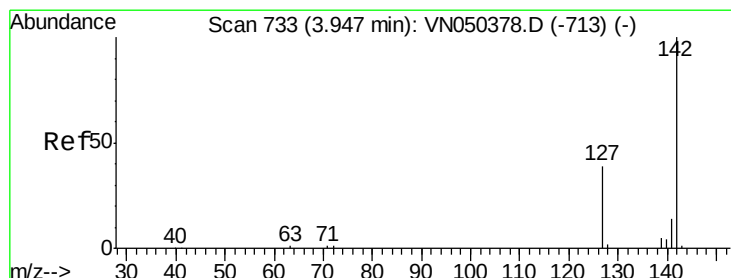
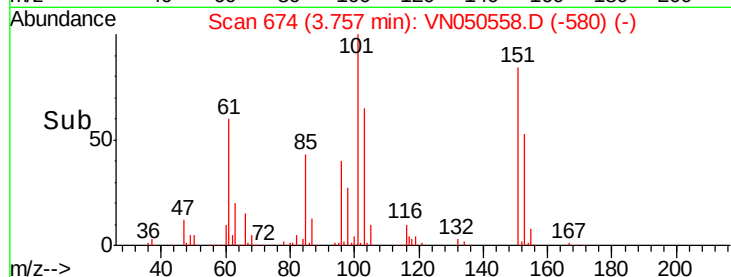
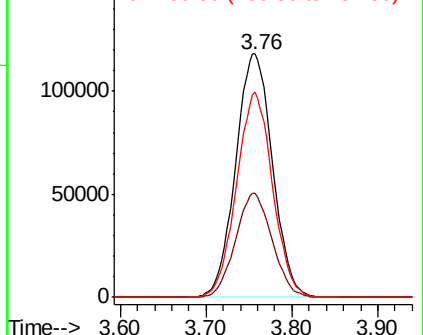
151 82.4 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.71 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

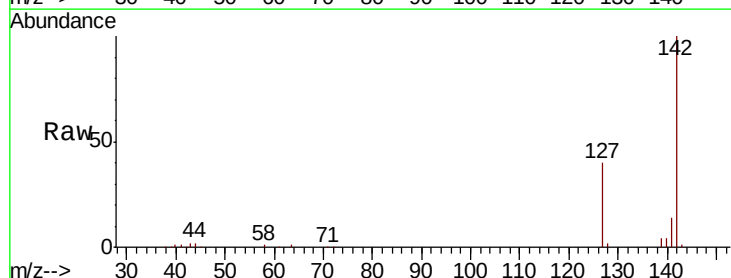
Tgt Ion:142 Resp: 187475

Ion Ratio Lower Upper

142 100

127 40.8 33.4 50.2

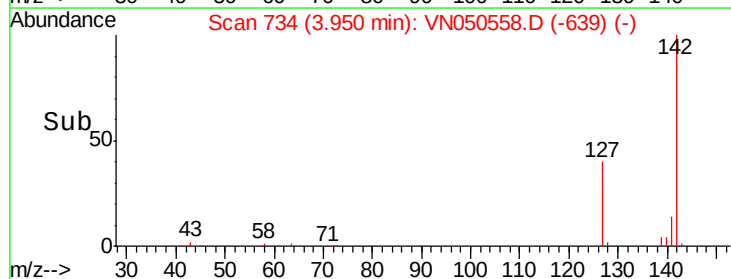
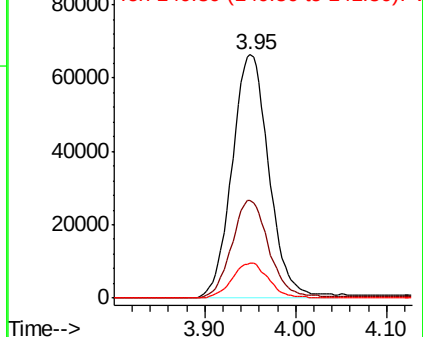
141 14.3 11.6 17.4

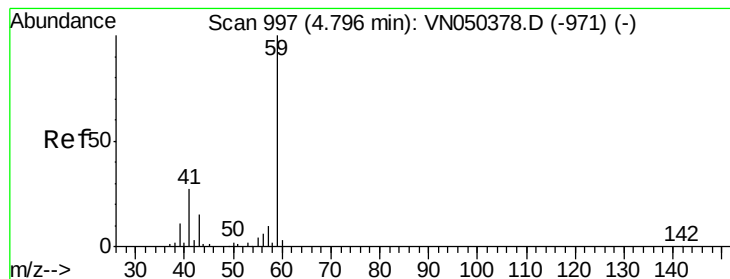


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



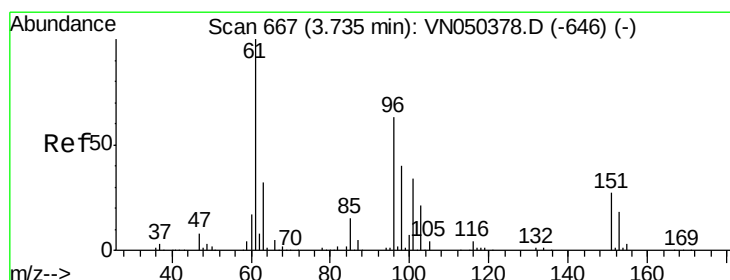
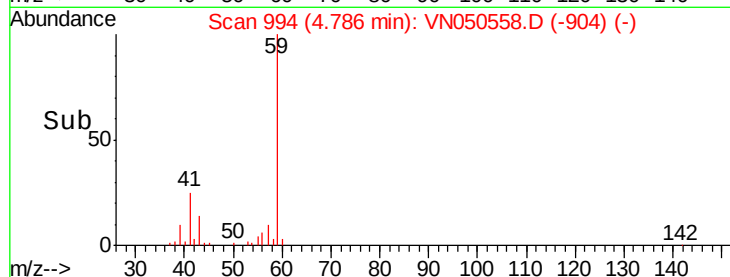
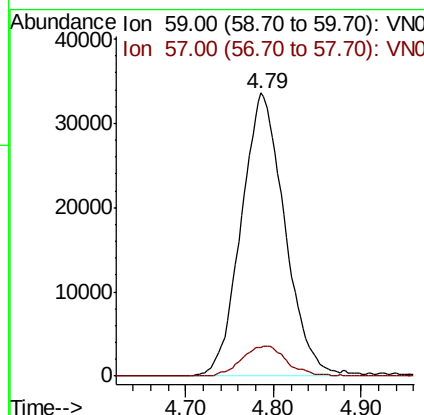
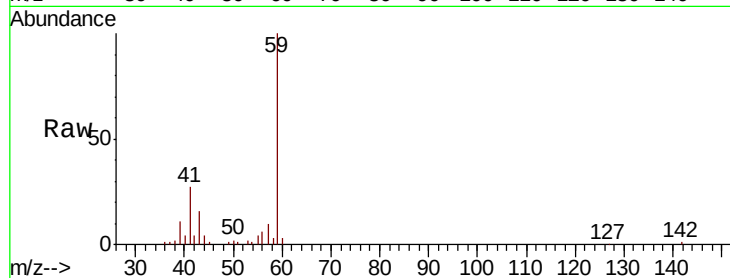


#11

Tert butyl alcohol  
 Concen: 161.85 ug/l  
 RT: 4.79 min Scan# 994  
 Delta R.T. -0.01 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

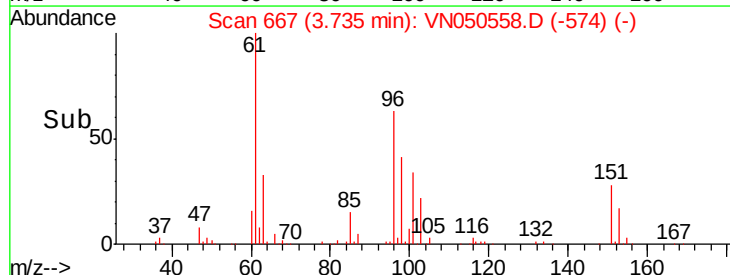
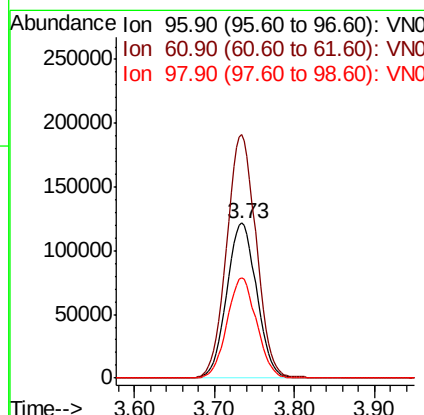
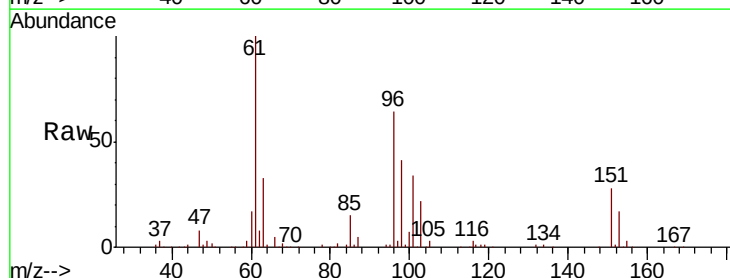
Tot Ion: 59 Resp: 115699  
 Ion Ratio Lower Upper  
 59 100  
 57 11.0 8.5 12.7

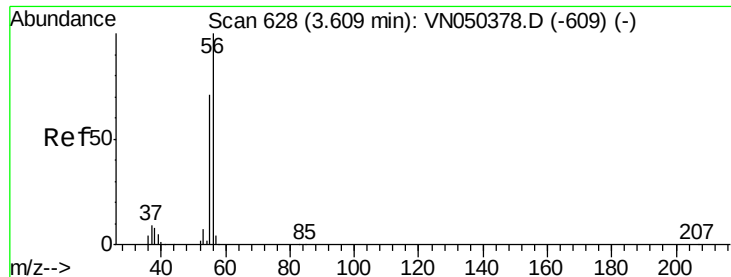


#12

1,1-Dichloroethene  
 Concen: 43.12 ug/l  
 RT: 3.73 min Scan# 667  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Tgt Ion: 96 Resp: 310478  
 Ion Ratio Lower Upper  
 96 100  
 61 157.4 124.4 186.6  
 98 65.0 48.3 72.5





#13

Acrolein

Concen: 95.66 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

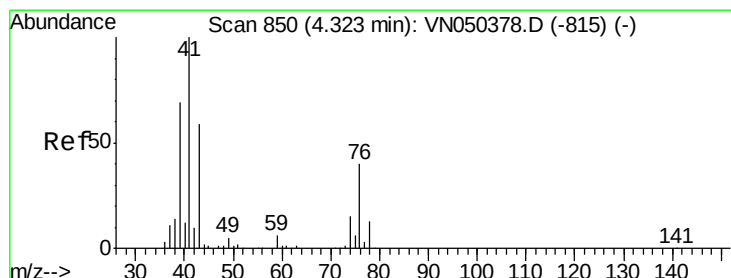
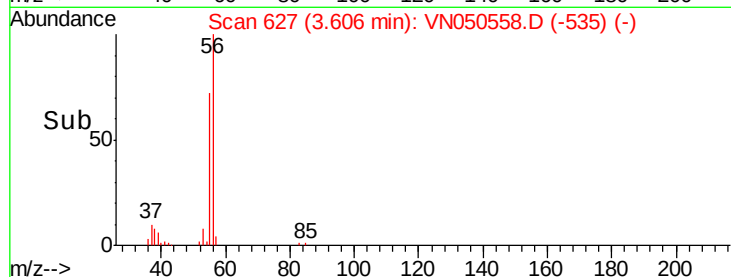
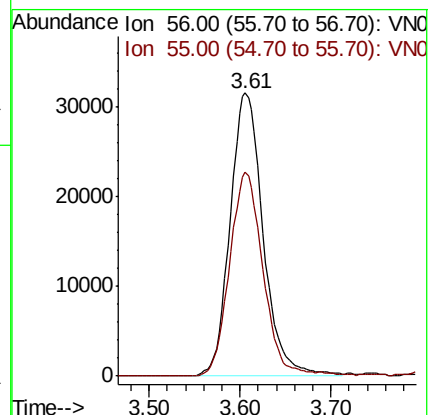
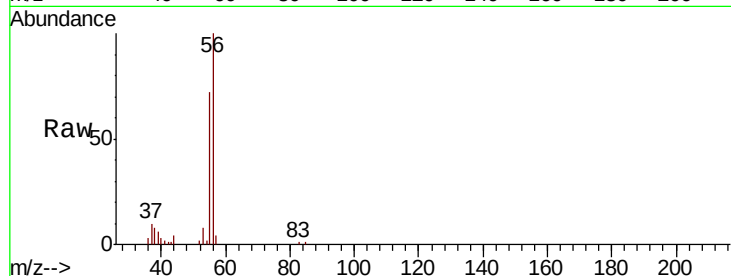
VSTDCCC050

Tot Ion: 56 Resp: 79797

Ion Ratio Lower Upper

56 100

55 72.2 55.8 83.6



#14

Allyl chloride

Concen: 44.63 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

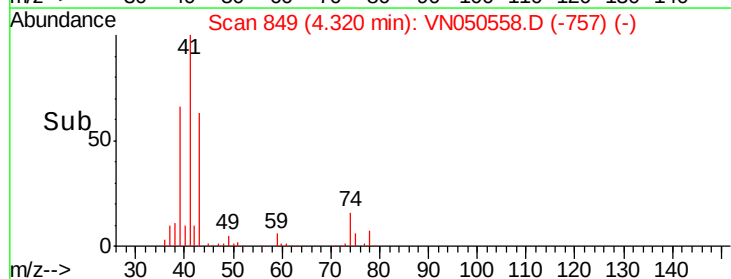
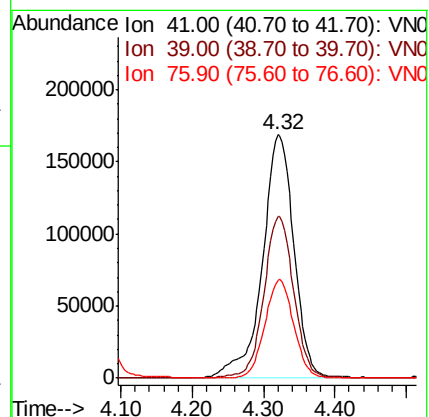
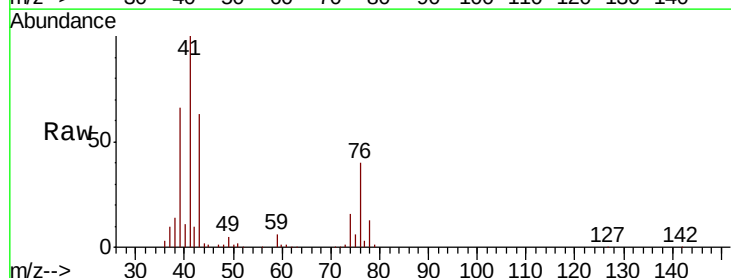
Tgt Ion: 41 Resp: 516133

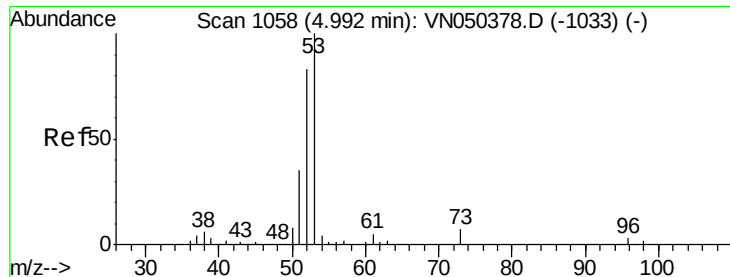
Ion Ratio Lower Upper

41 100

39 63.2 54.2 81.4

76 36.6 29.0 43.6





#15

Acrylonitrile

Concen: 209.43 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

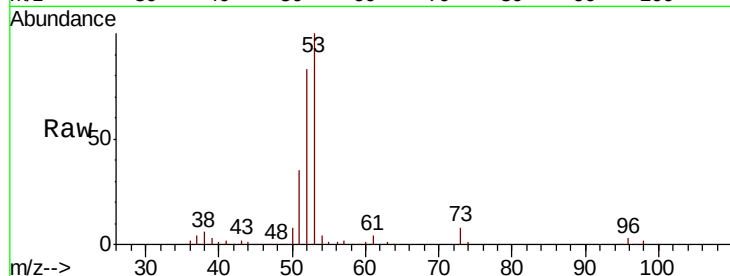
Tot Ion: 53 Resp: 627126

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.2

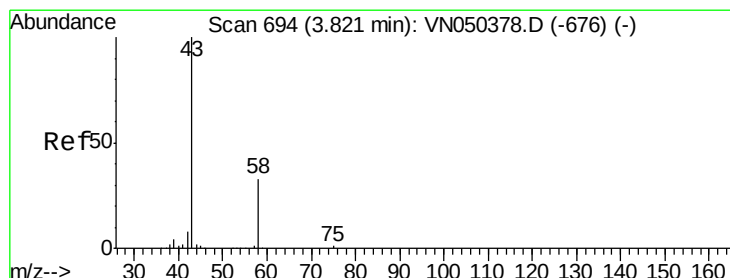
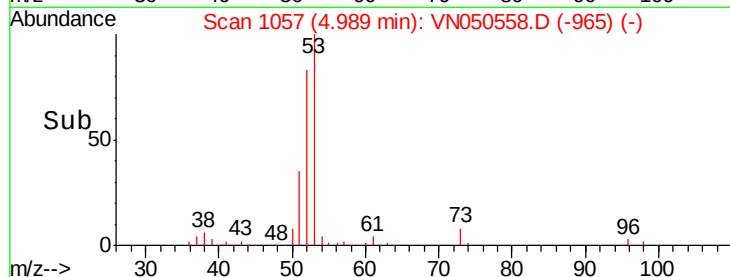
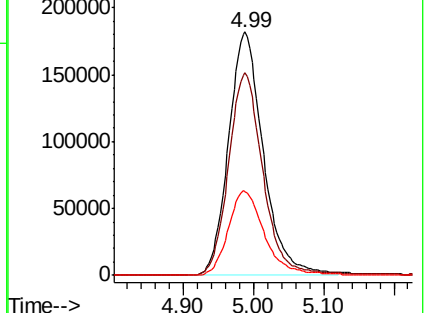
51 36.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 206.62 ug/l

RT: 3.81 min Scan# 692

Delta R.T. -0.01 min

Lab File: VN050558.D

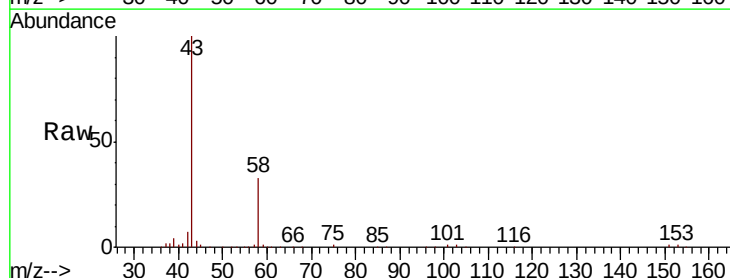
Acq: 13 Aug 2018 10:48

Tgt Ion: 43 Resp: 548510

Ion Ratio Lower Upper

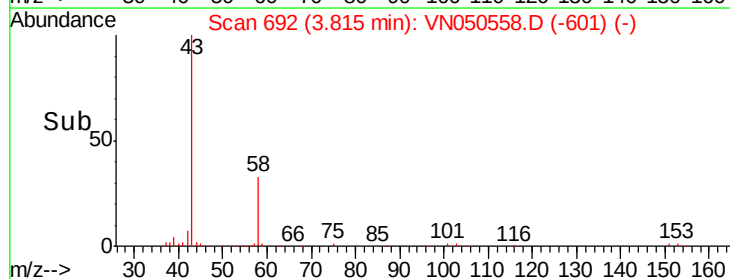
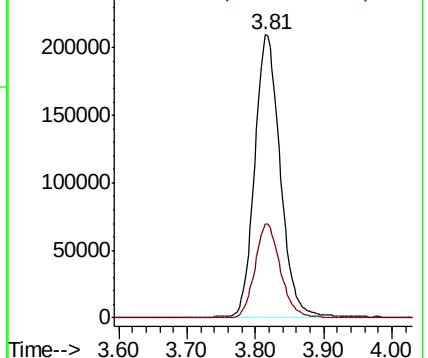
43 100

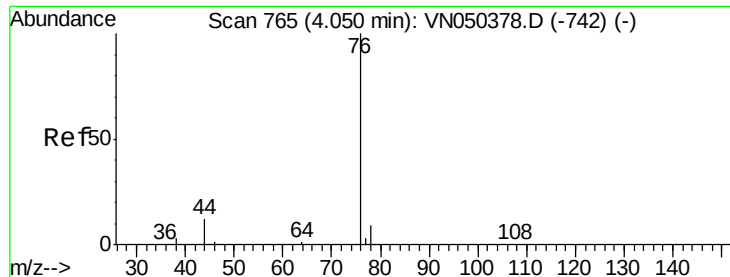
58 33.0 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 38.64 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

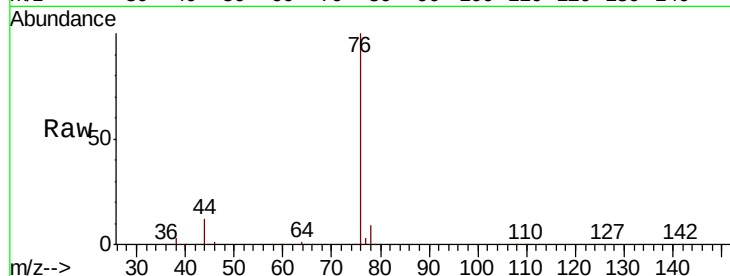
VSTDCCC050

Tot Ion: 76 Resp: 904641

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050378.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN050378.D (-742) (-)

4.05

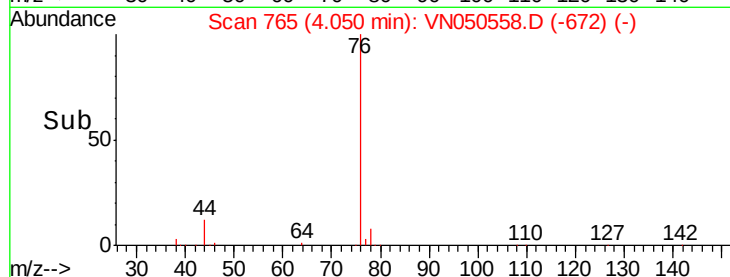
300000

200000

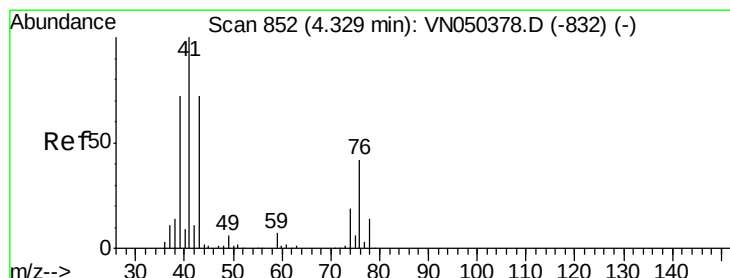
100000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 45.54 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.01 min

Lab File: VN050558.D

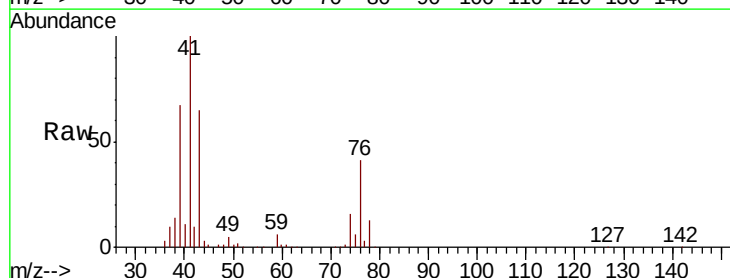
Acq: 13 Aug 2018 10:48

Tgt Ion: 43 Resp: 314179

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-832) (-)

Ion 74.00 (73.70 to 74.70): VN050378.D (-832) (-)

4.32

120000

100000

80000

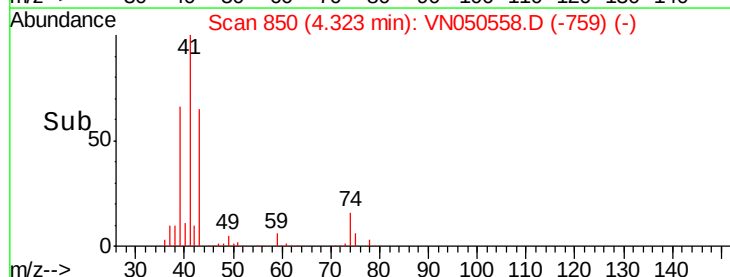
60000

40000

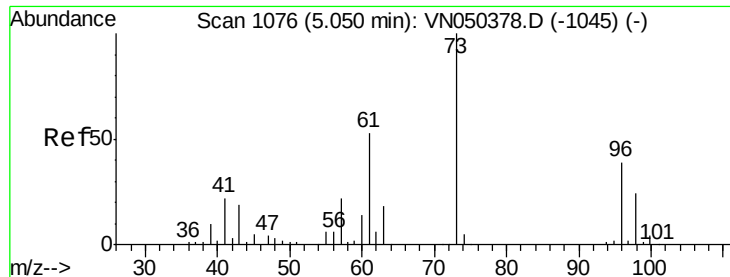
20000

0

Time-->



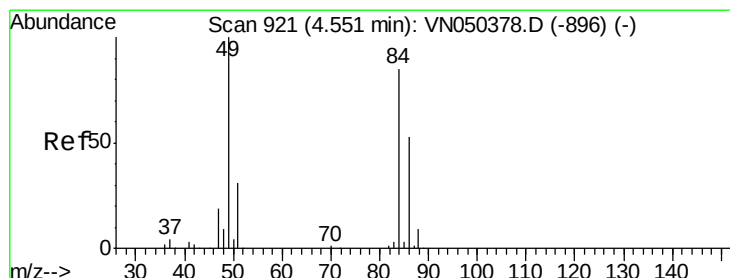
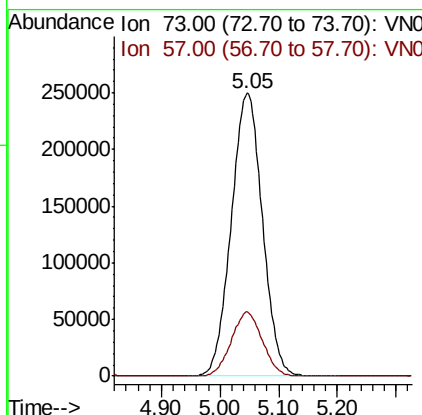
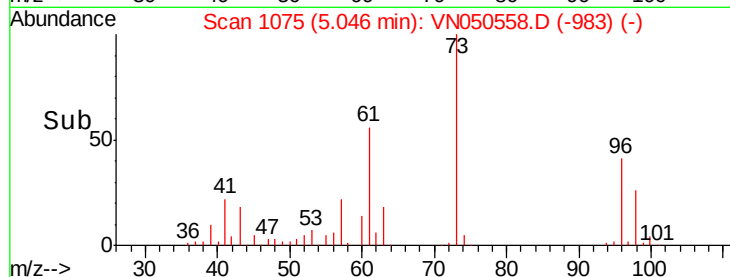
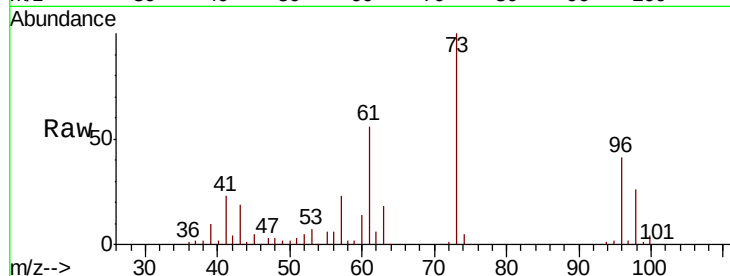
Time-->



#19  
Methvl tert-butvl Ether  
Concen: 45.17 ug/l  
RT: 5.05 min Scan# 1075  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

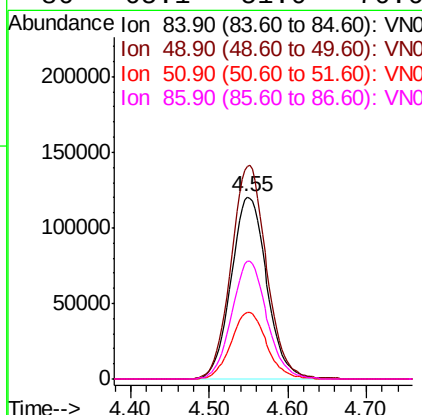
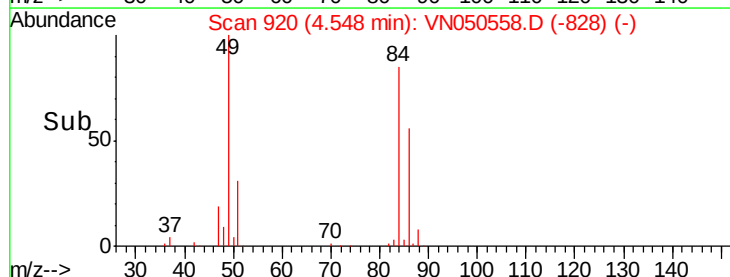
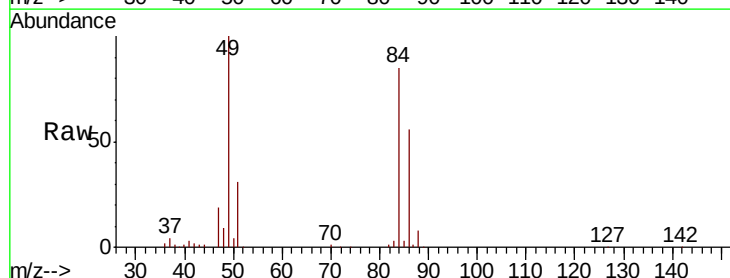
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

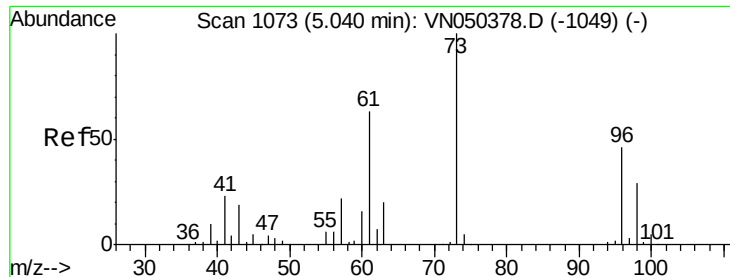
Tot Ion: 73 Resp: 923076  
Ion Ratio Lower Upper  
73 100  
57 22.6 18.0 27.0



#20  
Methylene Chloride  
Concen: 46.81 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 84 Resp: 380685  
Ion Ratio Lower Upper  
84 100  
49 117.1 94.8 142.2  
51 36.7 28.3 42.5  
86 65.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 43.89 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

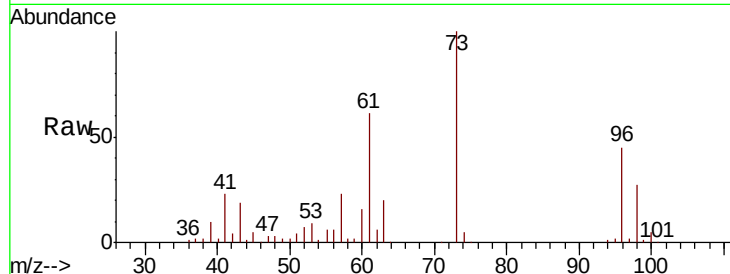
Tot Ion: 96 Resp: 341997

Ion Ratio Lower Upper

96 100

61 136.0 110.7 166.1

98 61.0 51.6 77.4

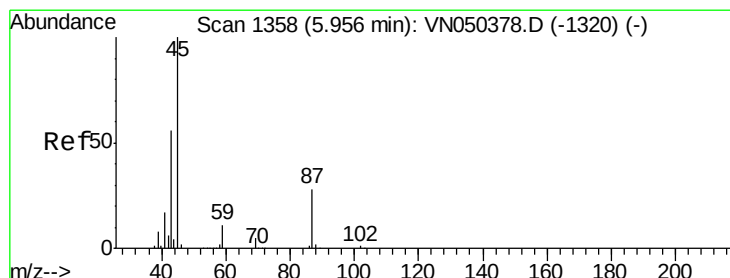
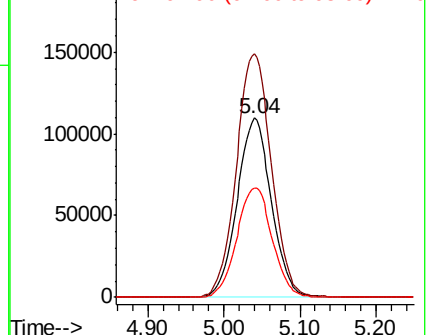
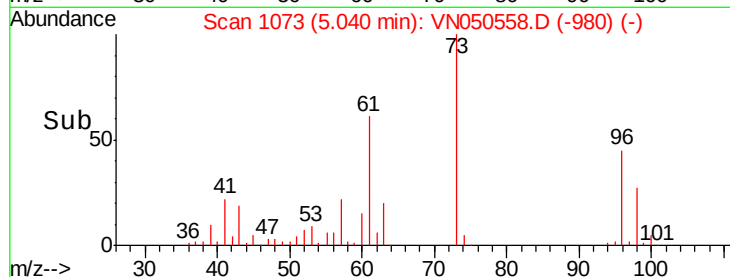


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.74 ug/l

RT: 5.95 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Tgt Ion: 45 Resp: 1151252

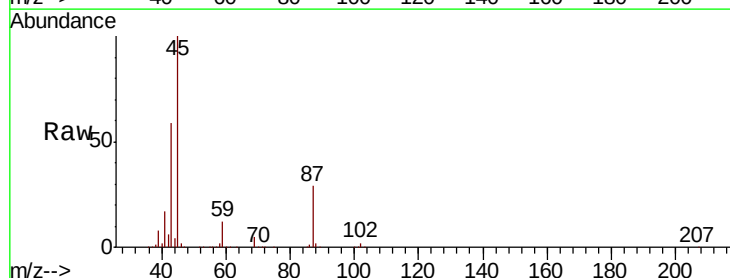
Ion Ratio Lower Upper

45 100

43 58.4 45.7 68.5

87 28.8 22.7 34.1

59 11.9 9.5 14.3



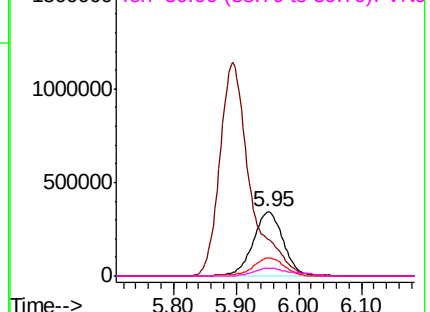
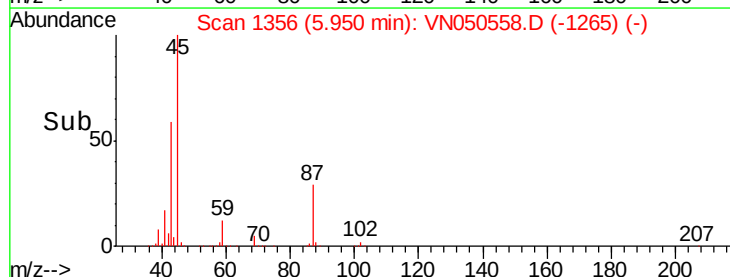
Abundance

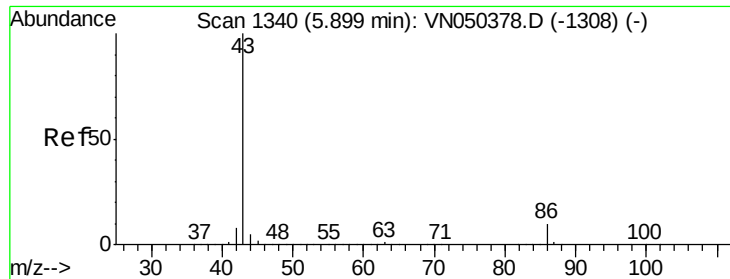
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 227.58 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

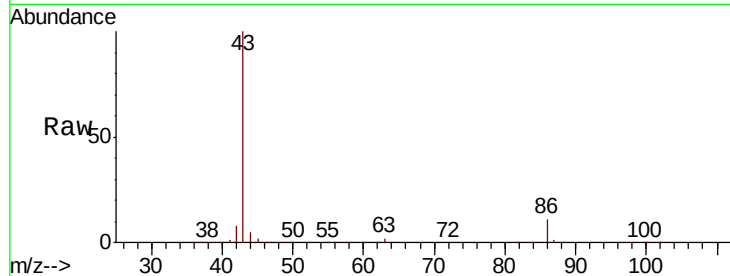
VSTDCCC050

Tot Ion: 43 Resp: 3835747

Ion Ratio Lower Upper

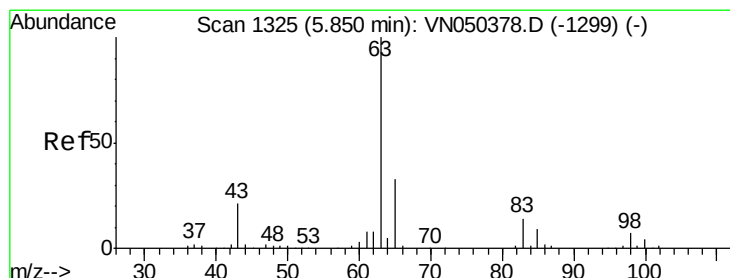
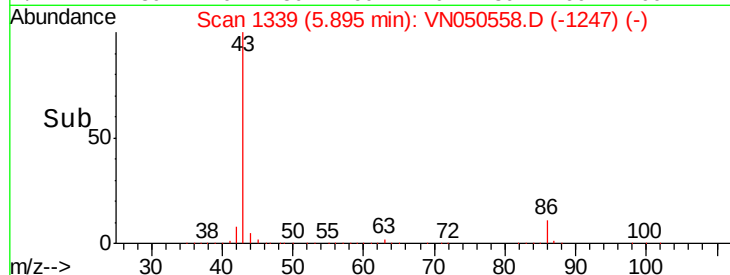
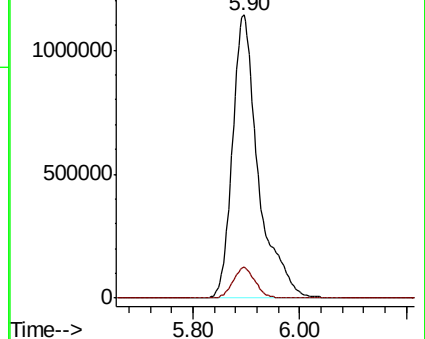
43 100

86 10.8 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.72 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

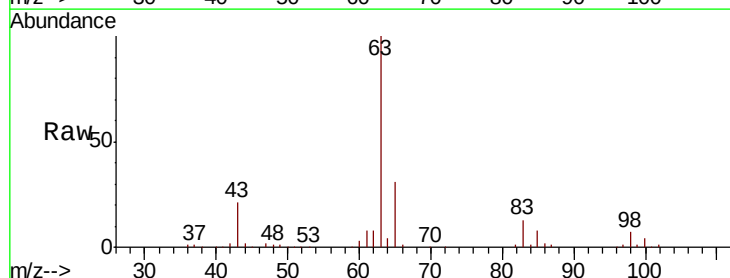
Tgt Ion: 63 Resp: 662679

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

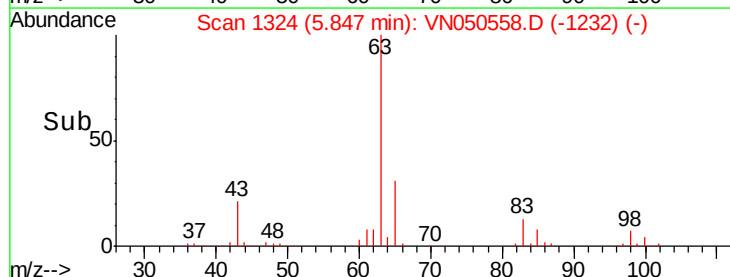
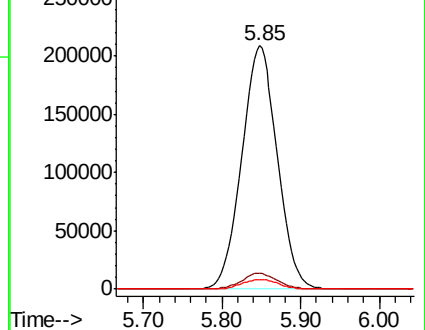
100 4.0 2.1 6.3



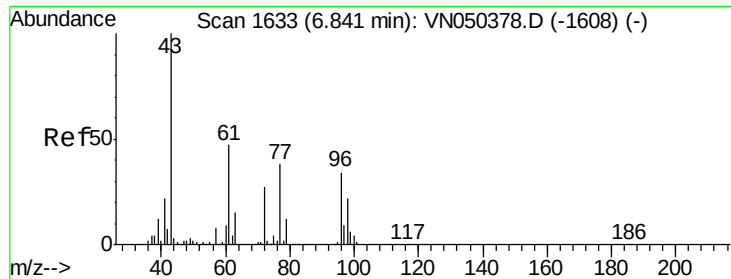
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



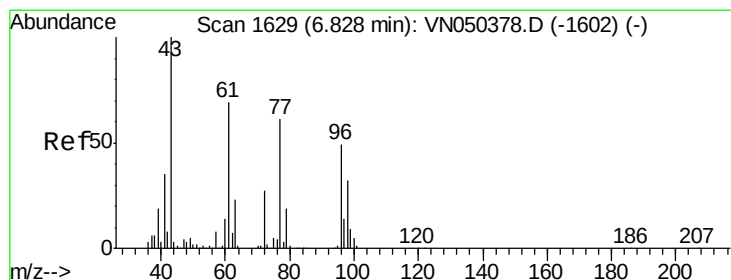
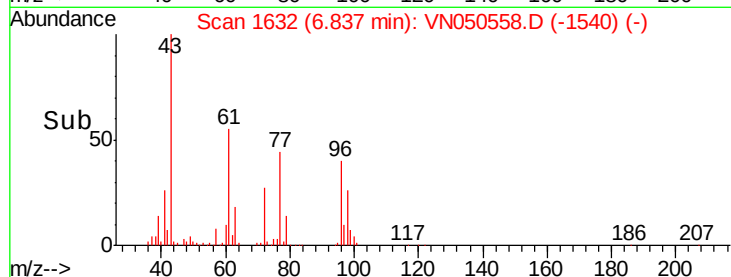
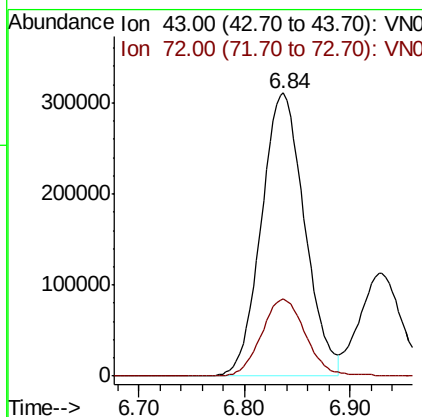
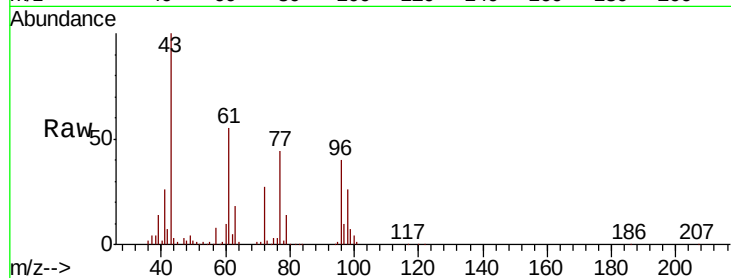




#25  
2-Butanone  
Concen: 200.75 ug/l  
RT: 6.84 min Scan# 1632  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

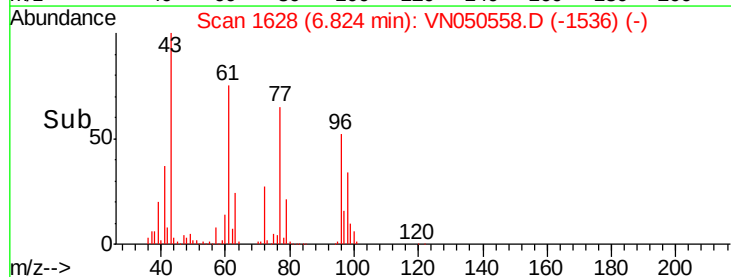
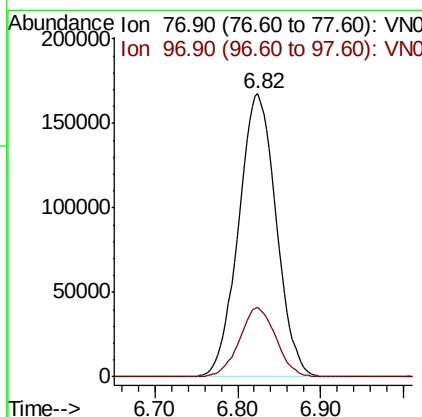
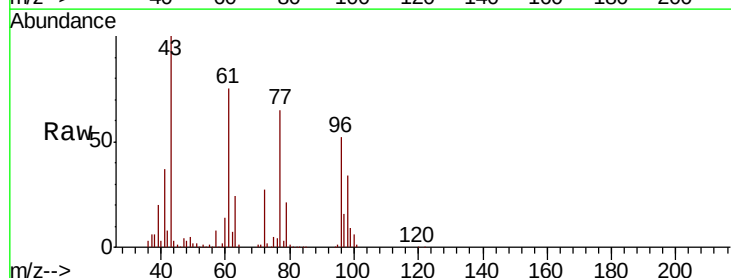
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

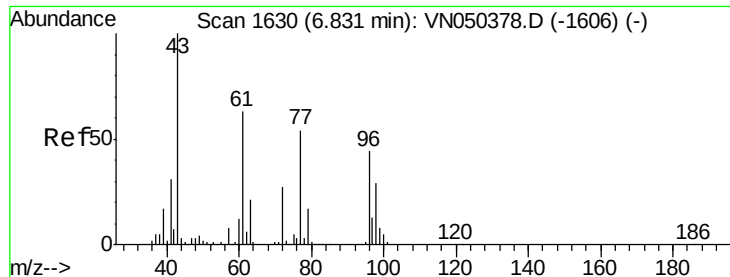
Tot Ion: 43 Resp: 885227  
Ion Ratio Lower Upper  
43 100  
72 27.1 21.5 32.3



#26  
2,2-Dichloropropane  
Concen: 44.20 ug/l  
RT: 6.82 min Scan# 1628  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 77 Resp: 528097  
Ion Ratio Lower Upper  
77 100  
97 23.7 11.8 35.3

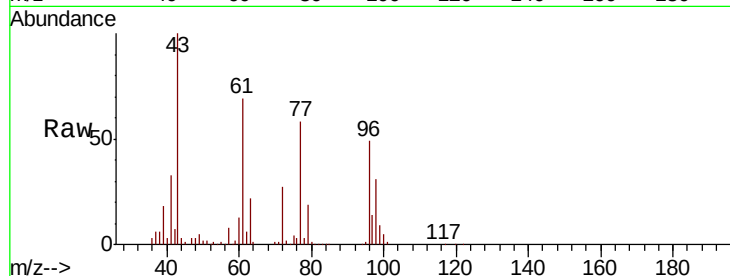




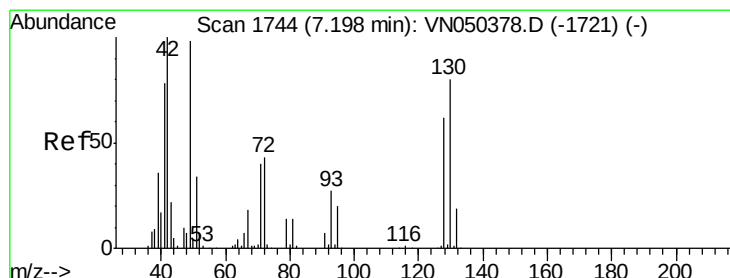
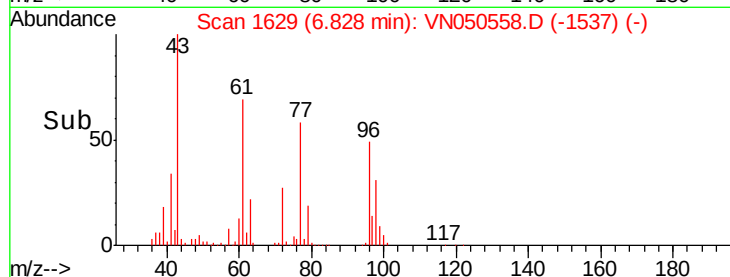
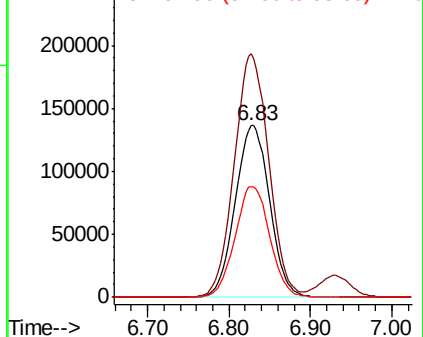
#27  
 cis-1,2-Dichloroethene  
 Concen: 46.23 ug/l  
 RT: 6.83 min Scan# 1629  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion: 96 Resp: 399275  
 Ion Ratio Lower Upper  
 96 100  
 61 142.0 0.0 285.0  
 98 64.9 0.0 129.2

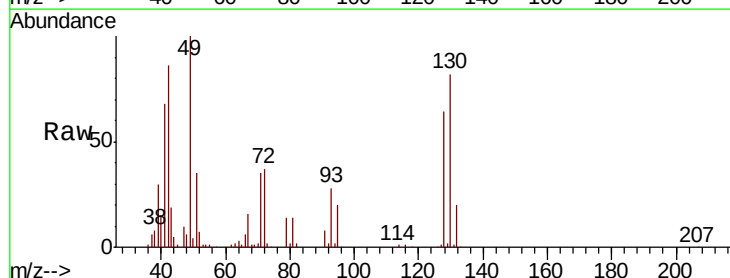


Abundance Ion 95.90 (95.60 to 96.60): VN0  
 Ion 60.90 (60.60 to 61.60): VN0  
 Ion 97.90 (97.60 to 98.60): VN0

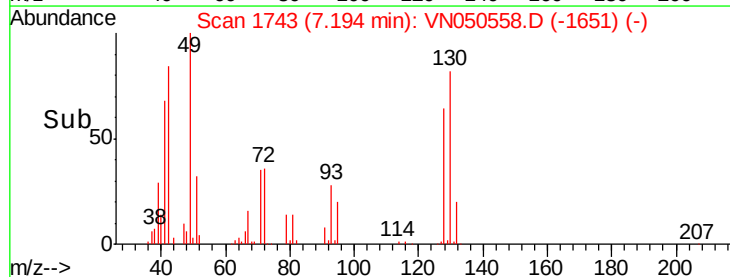
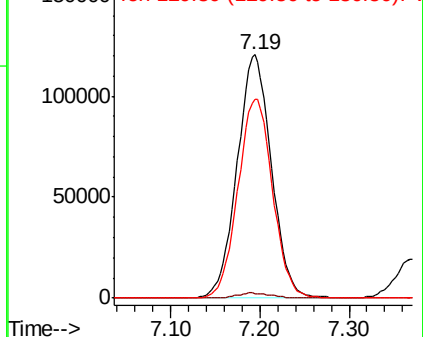


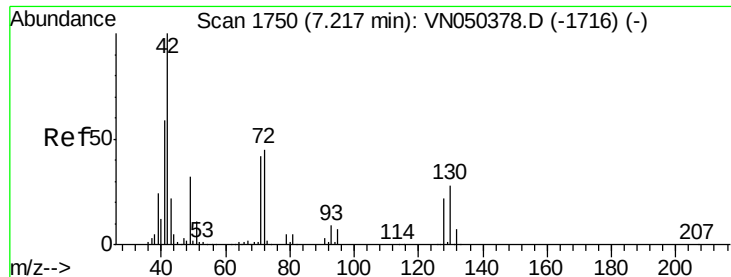
#28  
 Bromochloromethane  
 Concen: 48.30 ug/l  
 RT: 7.19 min Scan# 1743  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Tgt Ion: 49 Resp: 322256  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 4.0  
 130 82.7 66.3 99.5



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: 195.75 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

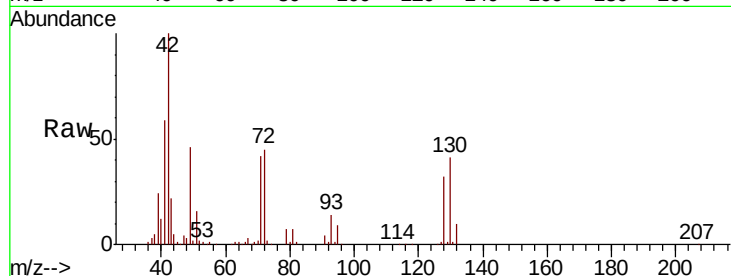
Tot Ion: 42 Resp: 462028

Ion Ratio Lower Upper

42 100

72 44.7 35.9 53.9

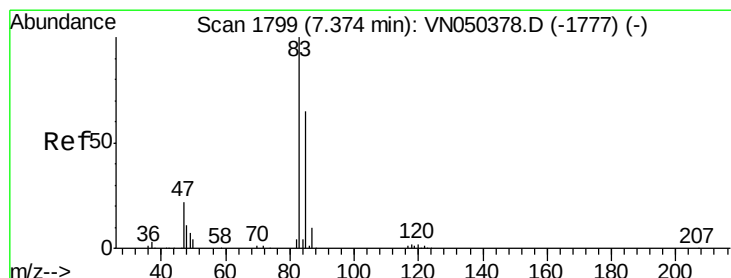
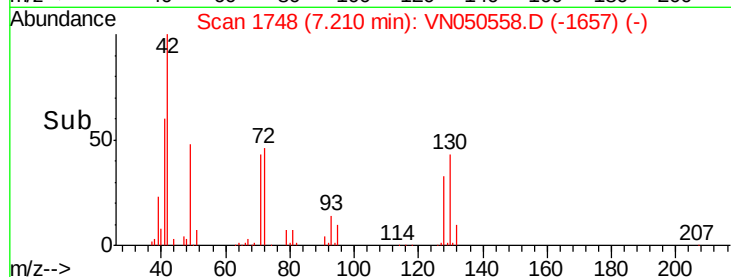
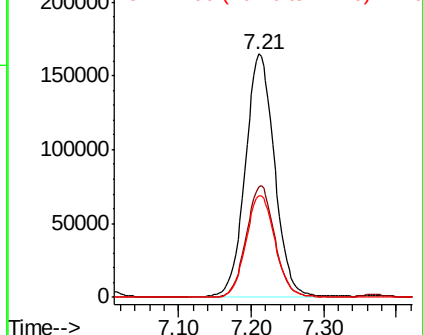
71 41.9 33.7 50.5



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: 46.44 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050558.D

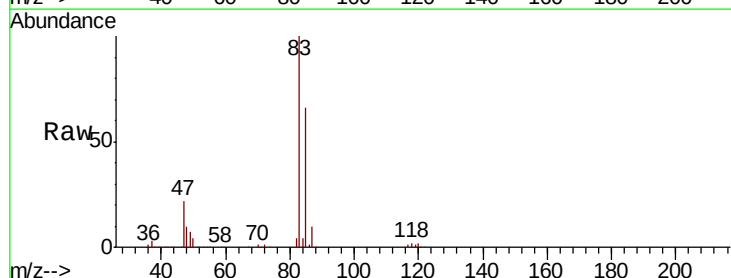
Acq: 13 Aug 2018 10:48

Tgt Ion: 83 Resp: 672933

Ion Ratio Lower Upper

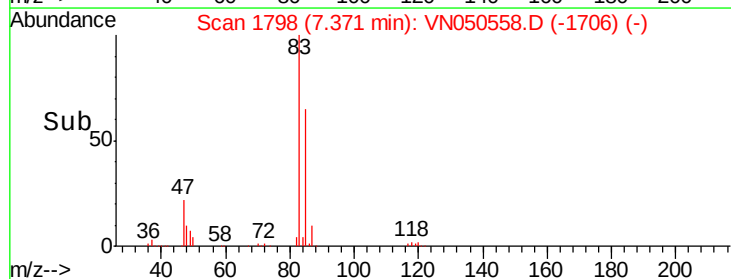
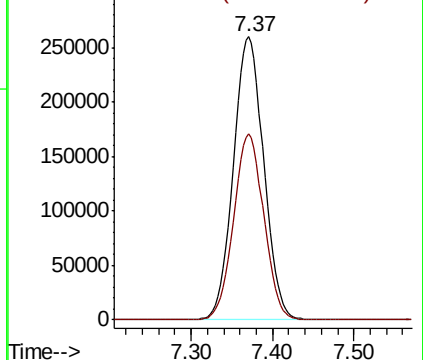
83 100

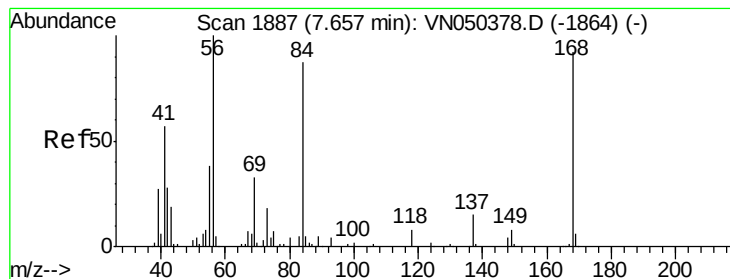
85 65.6 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 44.12 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

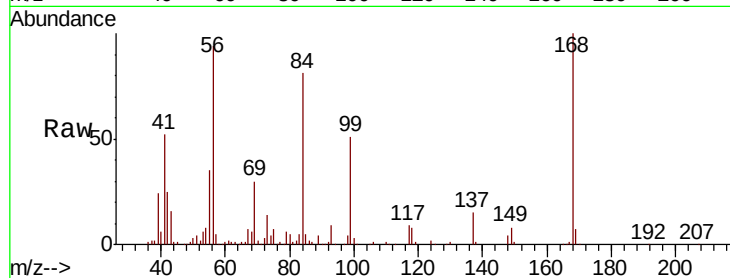
Tot Ion: 56 Resp: 563748

Ion Ratio Lower Upper

56 100

69 32.1 26.2 39.4

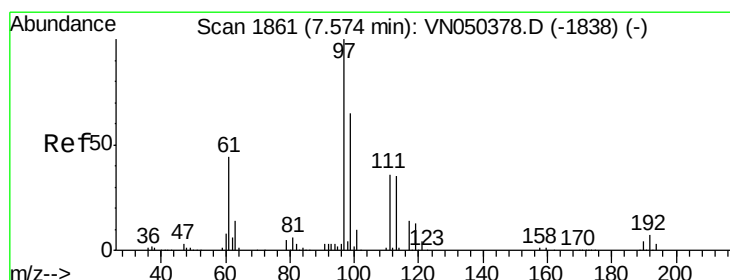
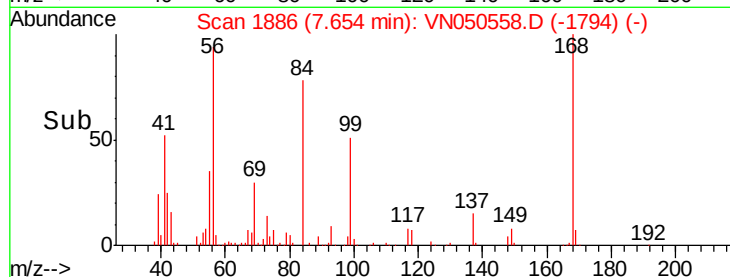
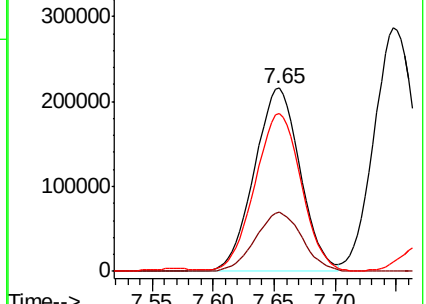
84 85.1 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050378.D (-1864) (-)

Ion 69.00 (68.70 to 69.70): VN050378.D (-1864) (-)

Ion 84.00 (83.70 to 84.70): VN050378.D (-1864) (-)



#32

1,1,1-Trichloroethane

Concen: 44.68 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

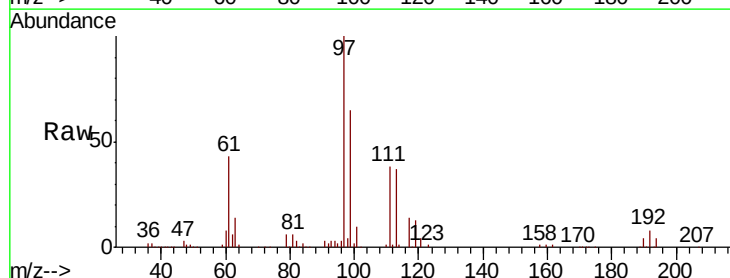
Tgt Ion: 97 Resp: 555957

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

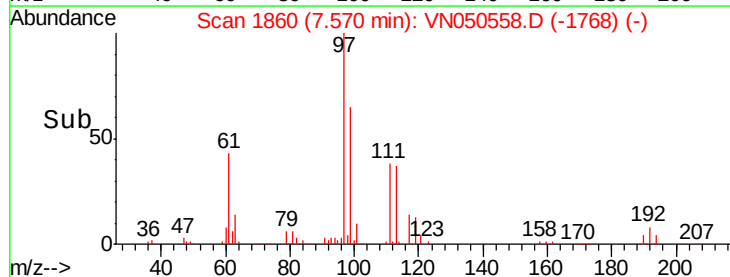
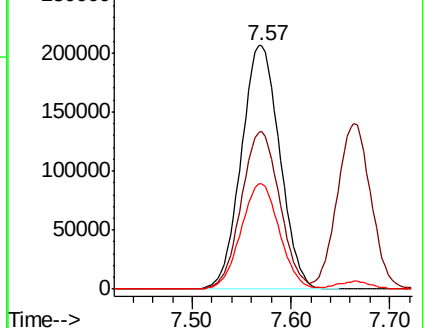
61 43.3 35.4 53.0

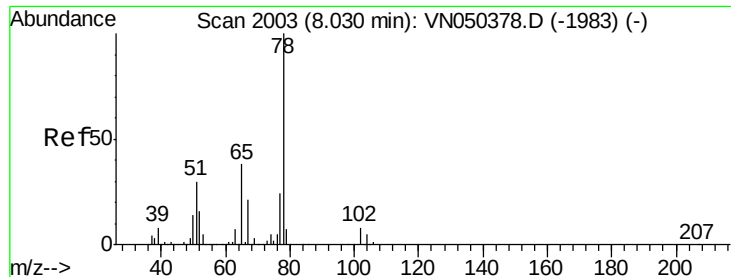


Abundance Ion 96.90 (96.60 to 97.60): VN050378.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050378.D (-1838) (-)

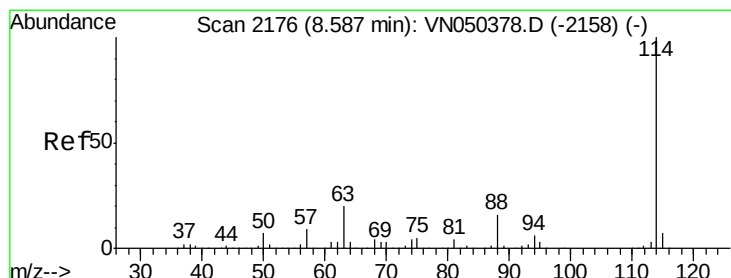
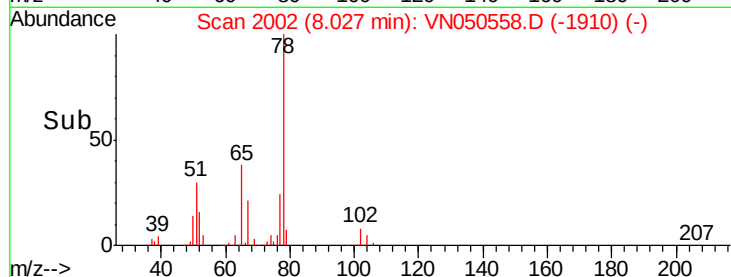
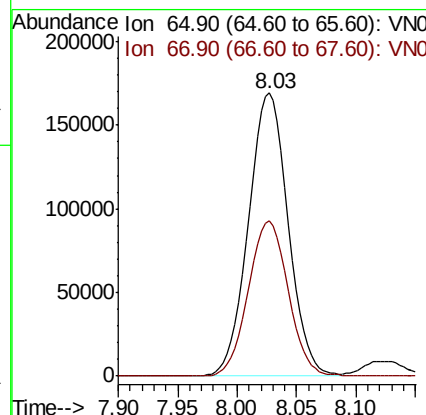
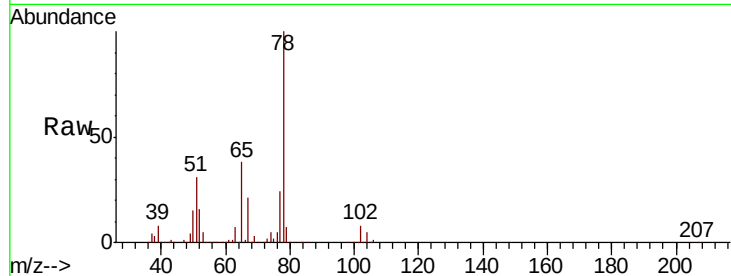




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.96 ug/l  
 RT: 8.03 min Scan# 2002  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

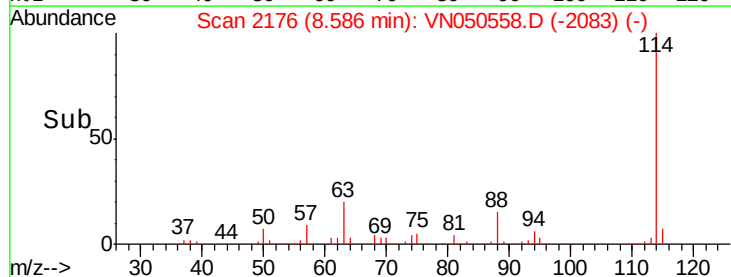
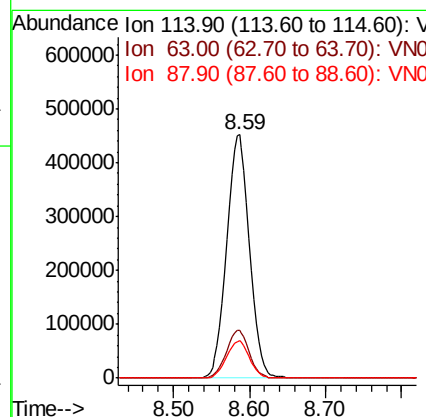
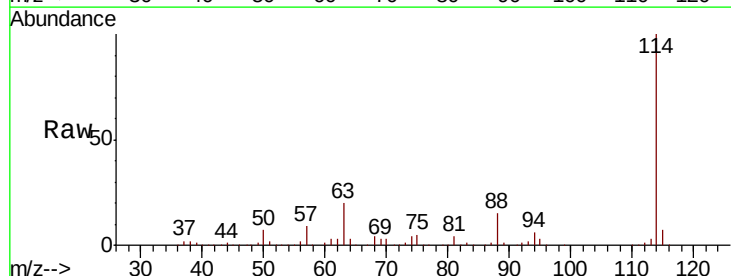
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

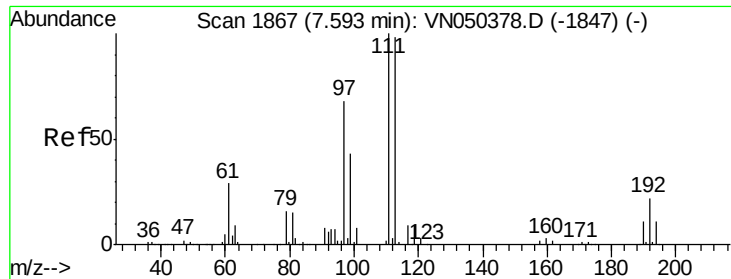
Tot Ion: 65 Resp: 391225  
 Ion Ratio Lower Upper  
 65 100  
 67 55.2 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Tgt Ion: 114 Resp: 943131  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 40.0  
 88 15.2 0.0 31.2

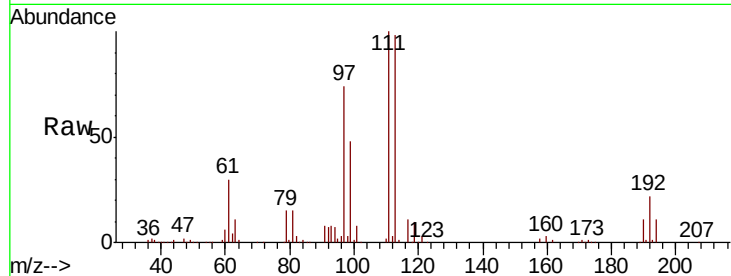




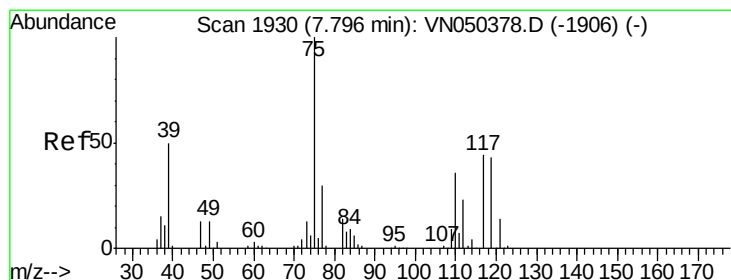
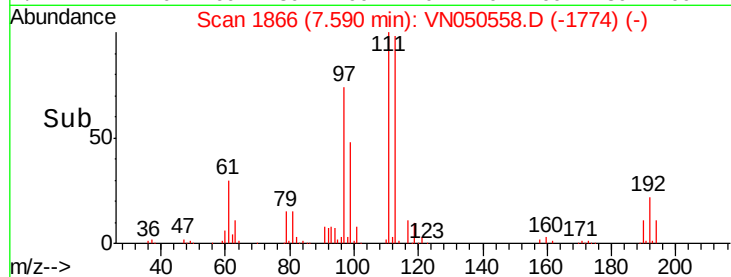
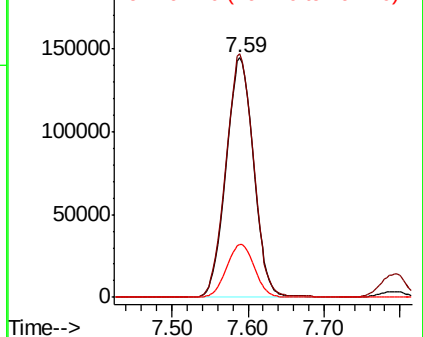
#35  
 Dibromofluoromethane  
 Concen: 48.20 ug/l  
 RT: 7.59 min Scan# 1866  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.2 | 80.7  | 121.1 |
| 192     | 22.3  | 17.8  | 26.6  |

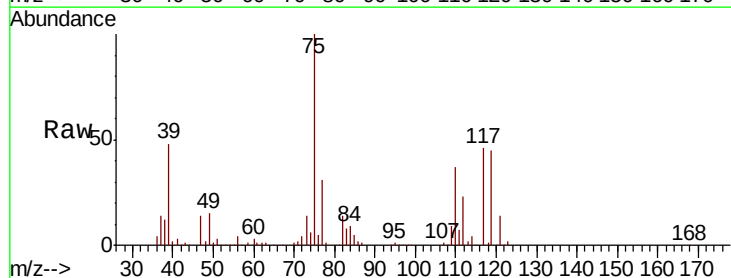


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

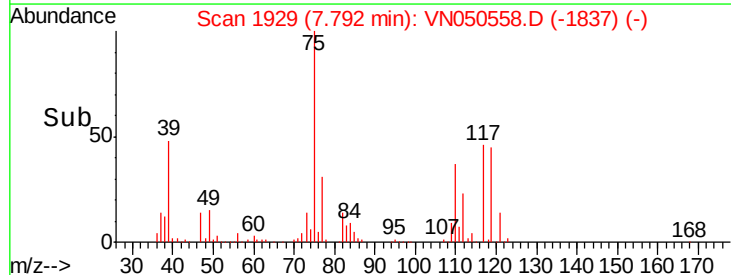
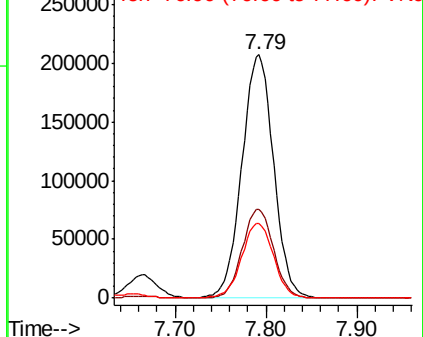


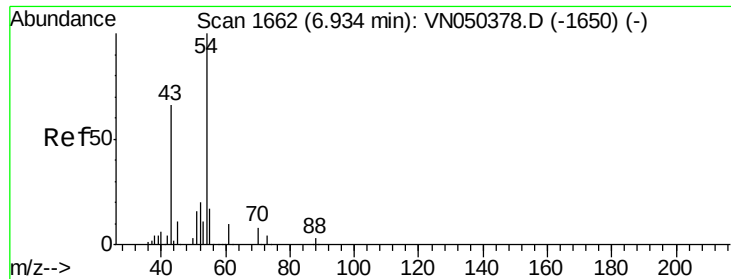
#36  
 1,1-Dichloropropene  
 Concen: 48.33 ug/l  
 RT: 7.79 min Scan# 1929  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 36.1  | 18.4  | 55.2  |
| 77      | 30.7  | 25.3  | 37.9  |



Abundance Ion 74.90 (74.60 to 75.60): VNO  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.90 (76.60 to 77.60): VNO

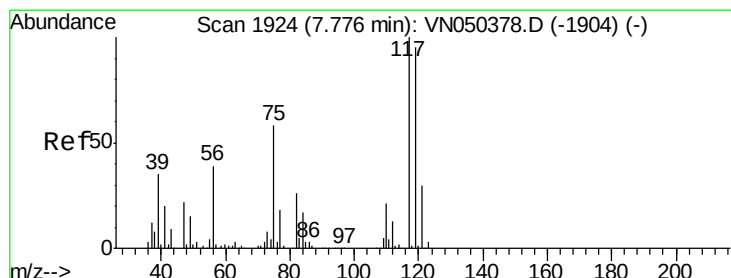
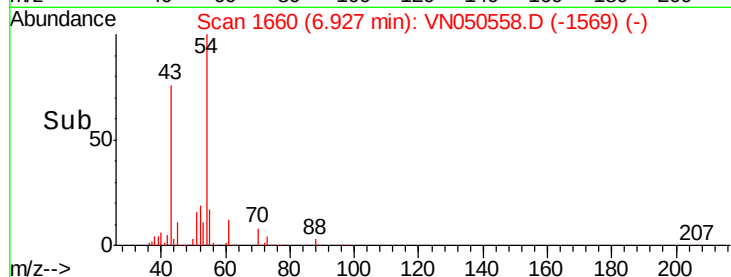
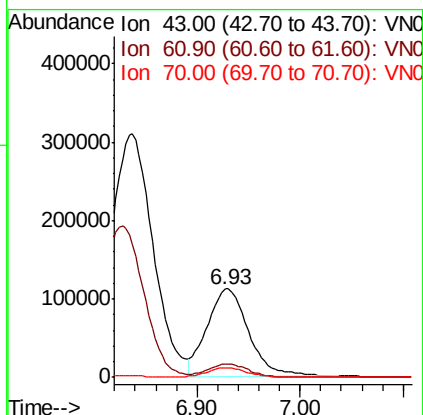
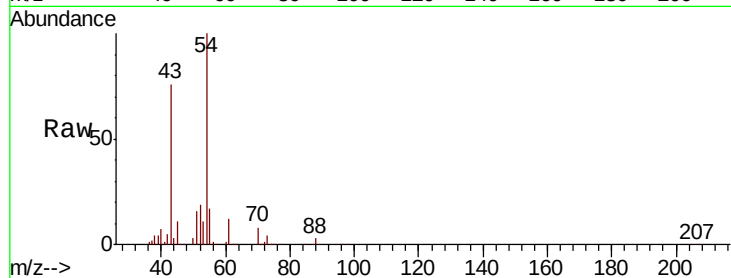




#37  
Ethyl Acetate  
Concen: 42.15 ug/l  
RT: 6.93 min Scan# 1660  
Delta R.T. -0.01 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

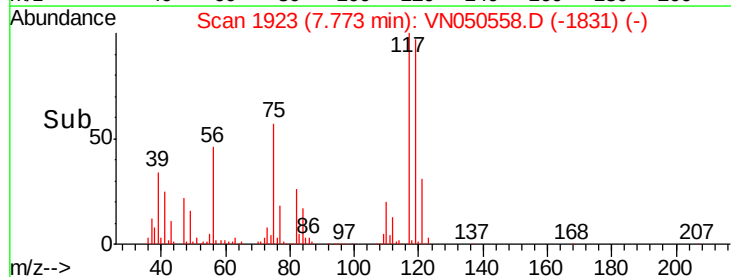
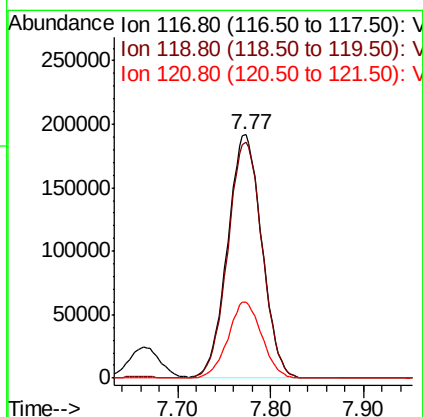
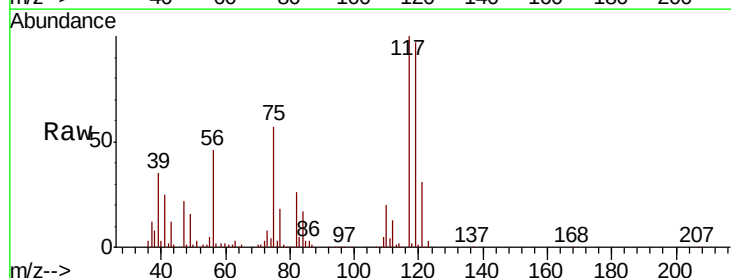
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

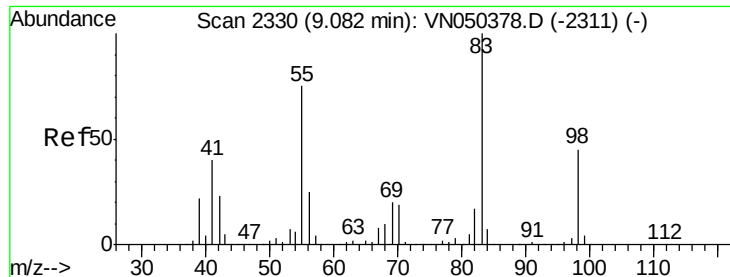
Tot Ion: 43 Resp: 314571  
Ion Ratio Lower Upper  
43 100  
61 14.7 11.8 17.8  
70 10.3 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 45.55 ug/l  
RT: 7.77 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 117 Resp: 492364  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.4 116.0  
121 31.2 23.9 35.9

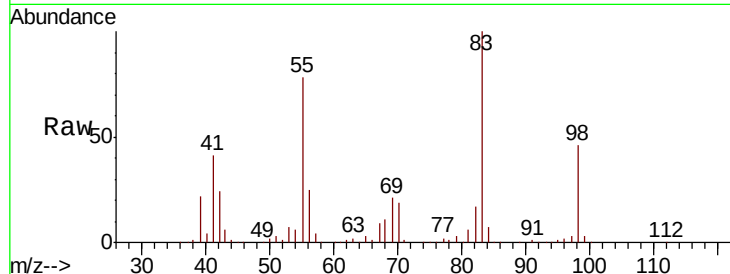




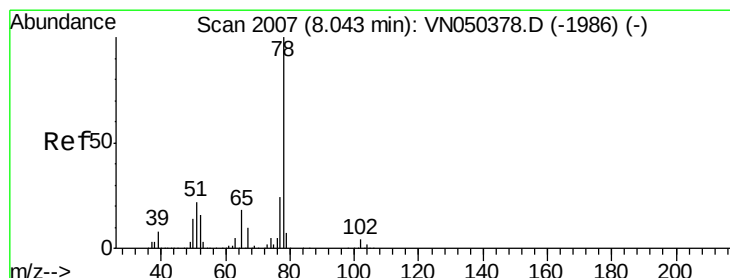
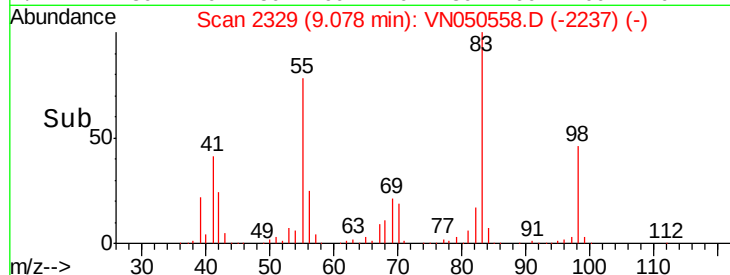
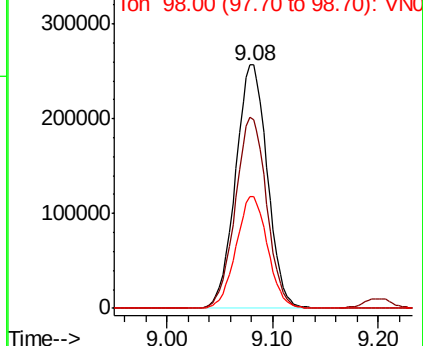
#39  
Methylvlcyclohexane  
Concen: 47.43 ug/l  
RT: 9.08 min Scan# 2329  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 83 Resp: 536448  
Ion Ratio Lower Upper  
83 100  
55 78.4 61.8 92.8  
98 45.8 36.5 54.7

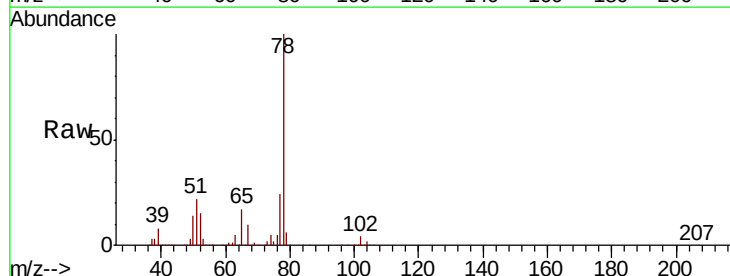


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

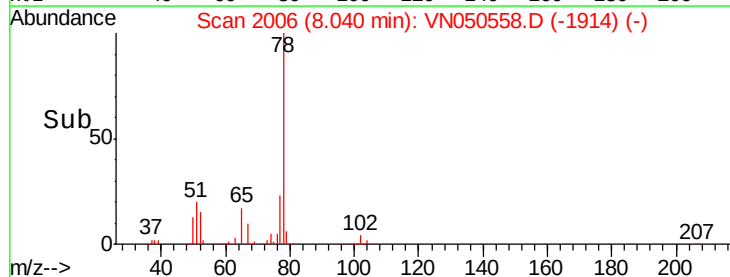
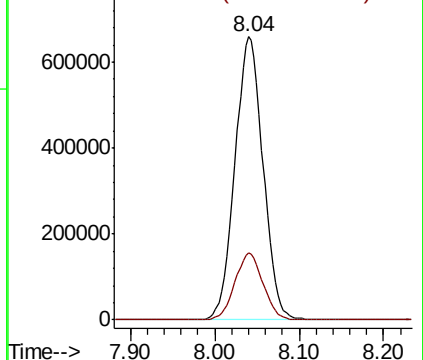


#40  
Benzene  
Concen: 47.98 ug/l  
RT: 8.04 min Scan# 2006  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

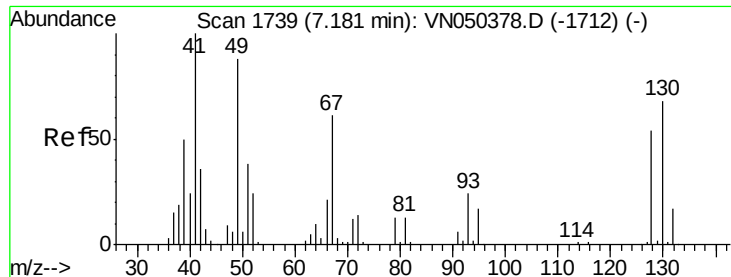
Tgt Ion: 78 Resp: 1528661  
Ion Ratio Lower Upper  
78 100  
77 23.5 18.7 28.1



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



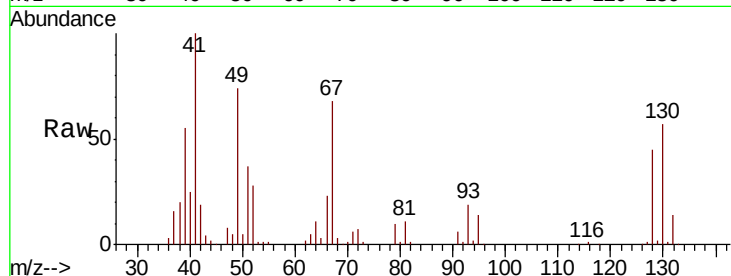




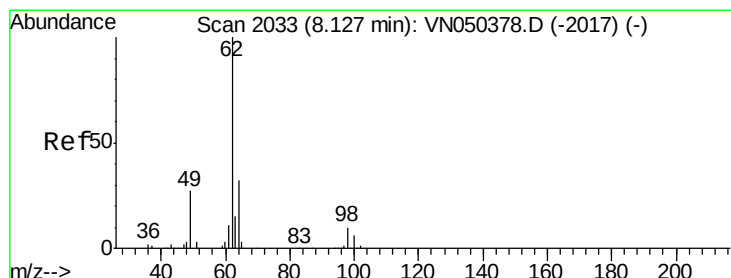
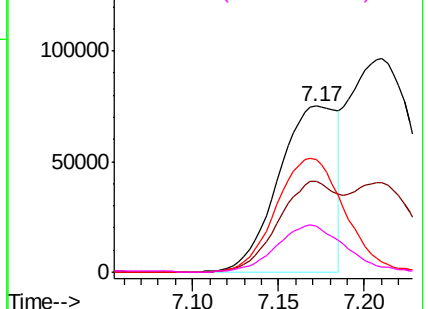
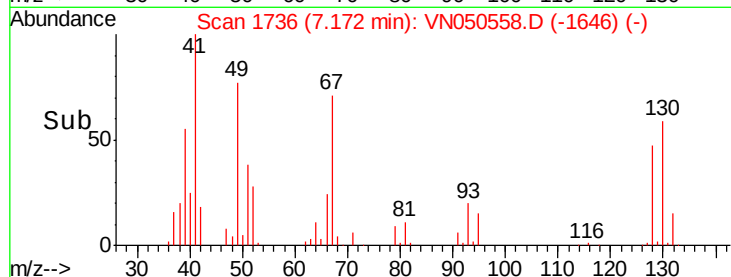
#41  
Methacrylonitrile  
Concen: 44.72 ug/l  
RT: 7.17 min Scan# 1736  
Delta R.T. -0.01 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Tot Ion: 41 Resp: 177463  
Ion Ratio Lower Upper  
41 100  
39 56.9 55.8 83.6  
67 81.7 84.3 126.5#  
52 33.2 34.2 51.2#

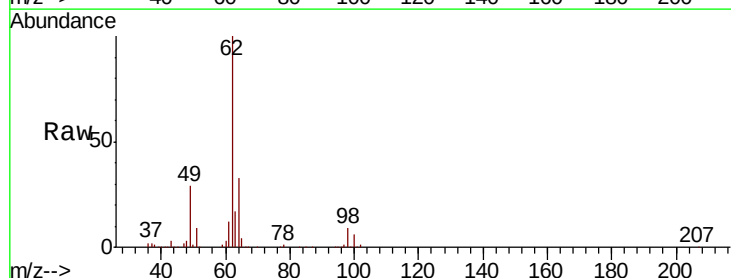


Abundance Ion 41.00 (40.70 to 41.70): VN0  
Ion 39.00 (38.70 to 39.70): VN0  
Ion 67.00 (66.70 to 67.70): VN0  
Ion 52.00 (51.70 to 52.70): VN0

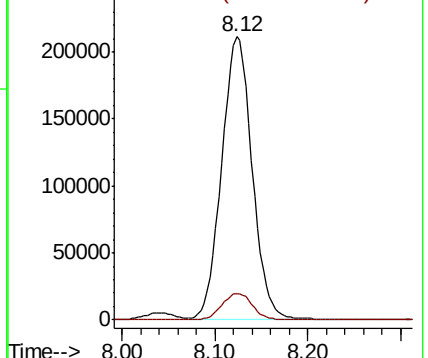
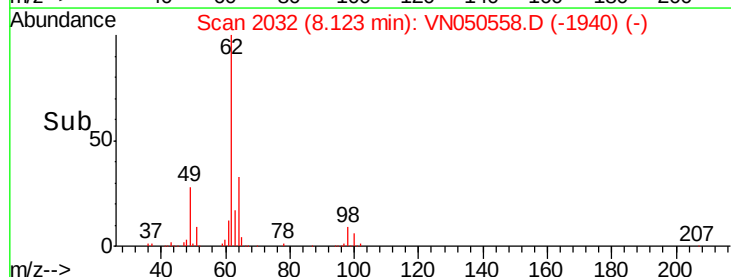


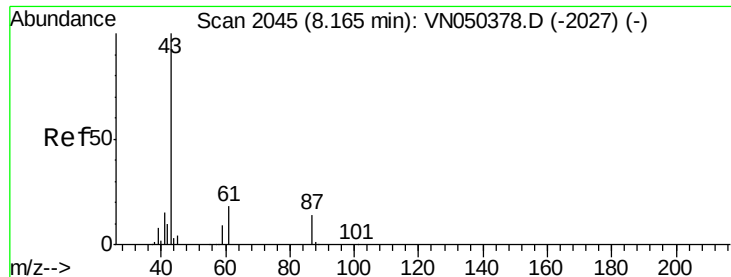
#42  
1,2-Dichloroethane  
Concen: 47.52 ug/l  
RT: 8.12 min Scan# 2032  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 62 Resp: 480605  
Ion Ratio Lower Upper  
62 100  
98 9.4 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VN0  
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 43.44 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

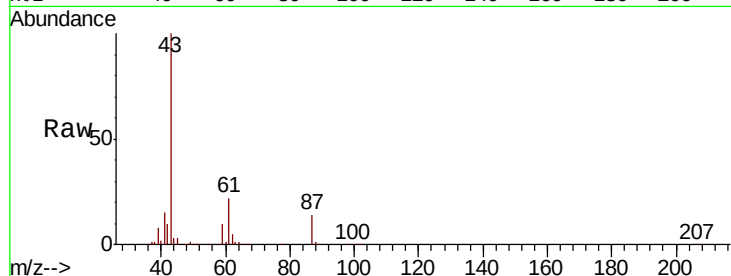
Tot Ion: 43 Resp: 559587

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.6

87 13.6 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050378.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050378.D (-2027) (-)

8.16

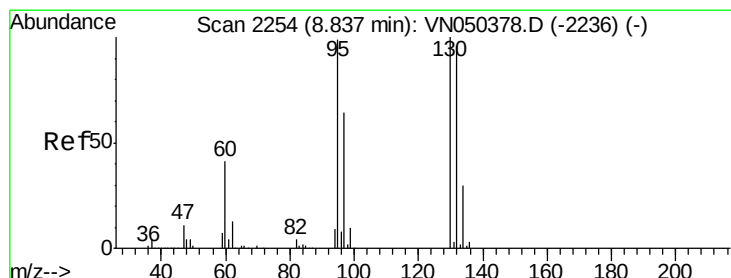
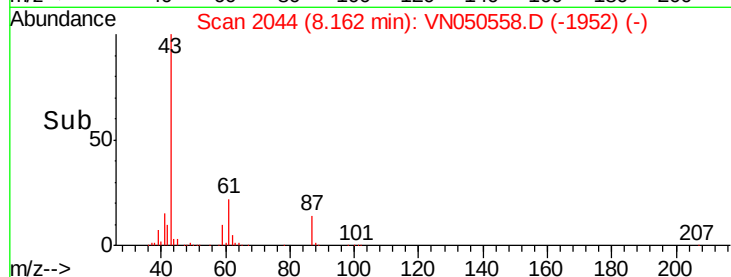
300000

200000

100000

0

Time-->



#44

Trichloroethene

Concen: 46.00 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050558.D

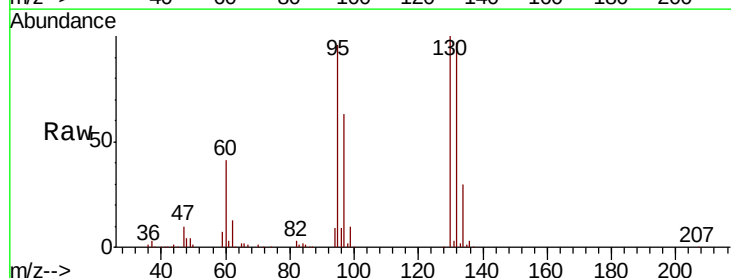
Acq: 13 Aug 2018 10:48

Tgt Ion:130 Resp: 393795

Ion Ratio Lower Upper

130 100

95 95.6 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050378.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050378.D (-2236) (-)

8.83

200000

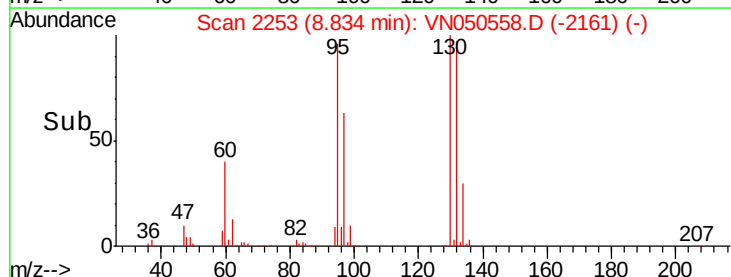
150000

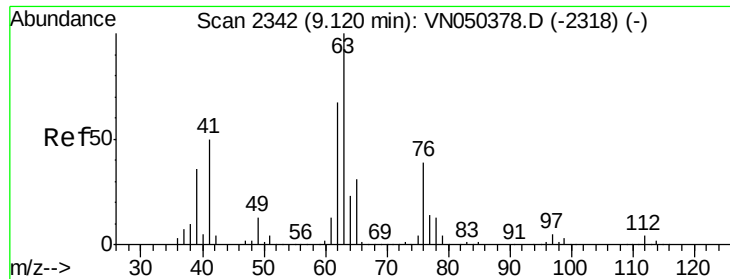
100000

50000

0

Time-->

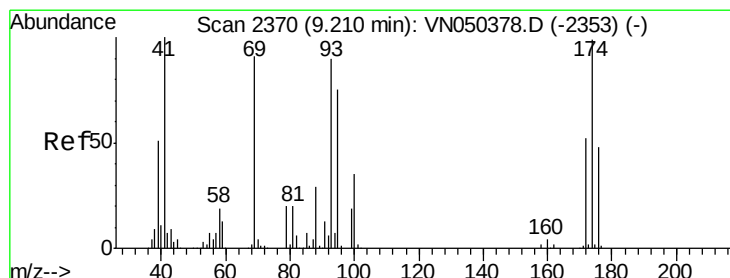
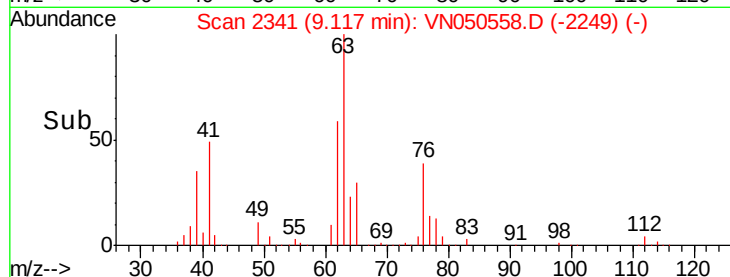
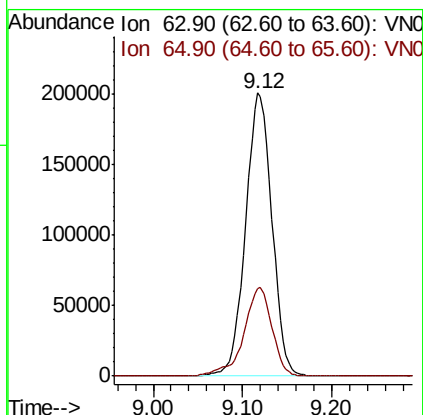
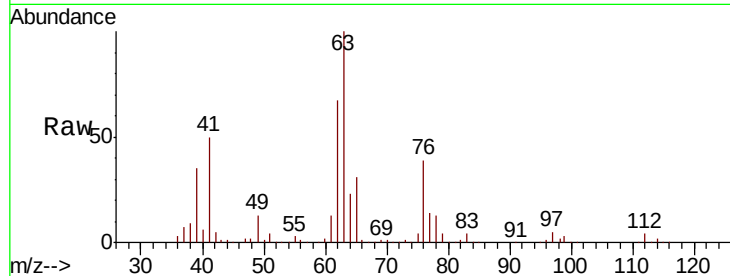




#45  
 1,2-Dichloropropane  
 Concen: 49.13 ug/l  
 RT: 9.12 min Scan# 2341  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

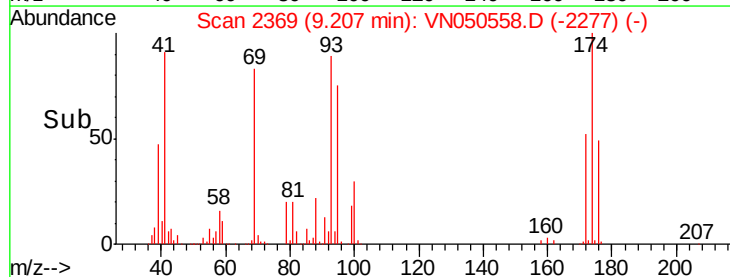
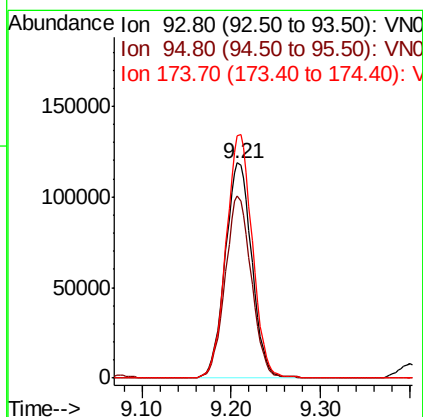
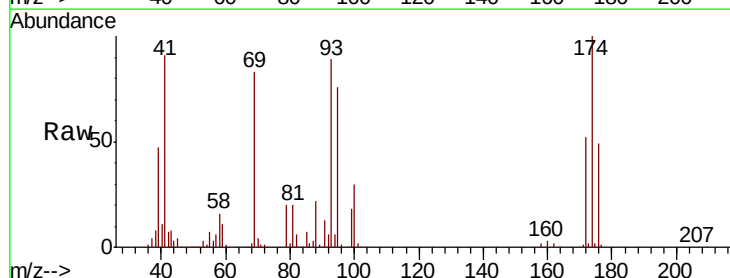
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

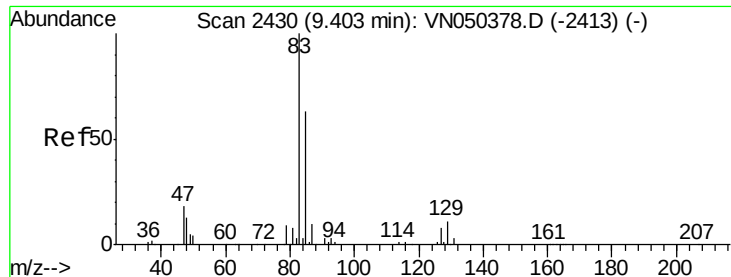
Tot Ion: 63 Resp: 411545  
 Ion Ratio Lower Upper  
 63 100  
 65 31.1 25.5 38.3



#46  
 Dibromomethane  
 Concen: 47.52 ug/l  
 RT: 9.21 min Scan# 2369  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Tgt Ion: 93 Resp: 245812  
 Ion Ratio Lower Upper  
 93 100  
 95 83.4 66.6 100.0  
 174 111.6 87.1 130.7





#47

Bromodichloromethane

Concen: 48.94 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

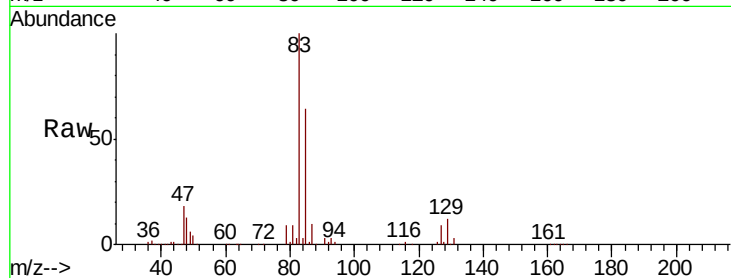
Tot Ion: 83 Resp: 524301

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7

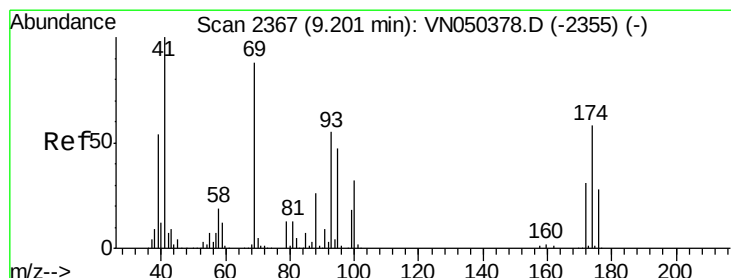
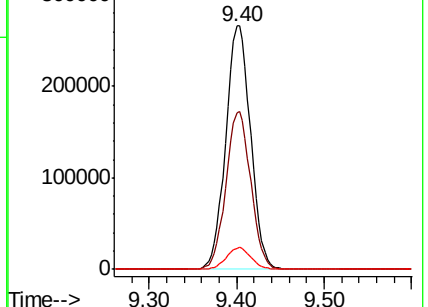
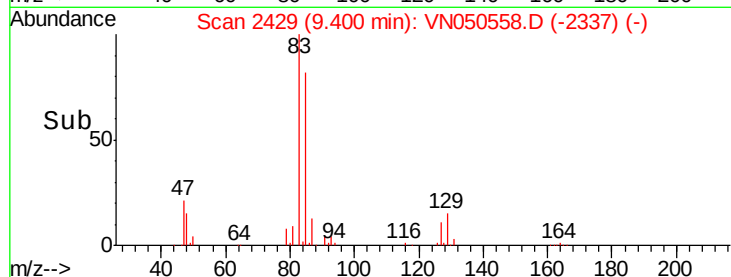
127 8.8 7.0 10.4



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: 43.28 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

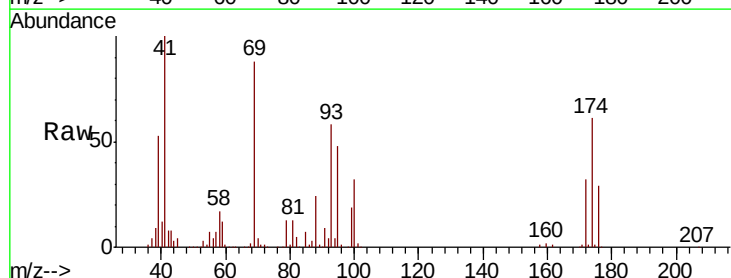
Tgt Ion: 41 Resp: 279454

Ion Ratio Lower Upper

41 100

69 91.7 70.6 105.8

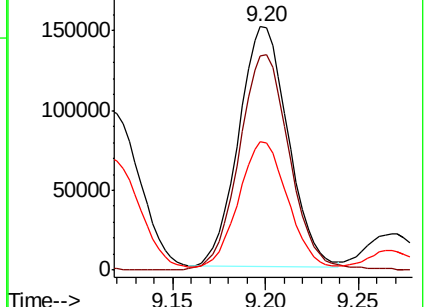
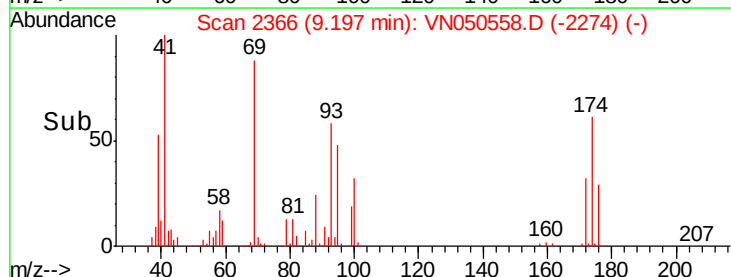
39 53.5 43.9 65.9

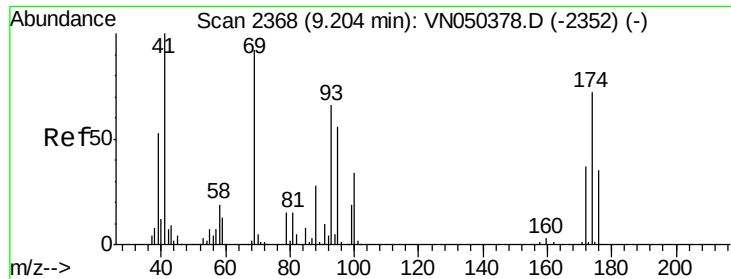


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 760.96 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.01 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

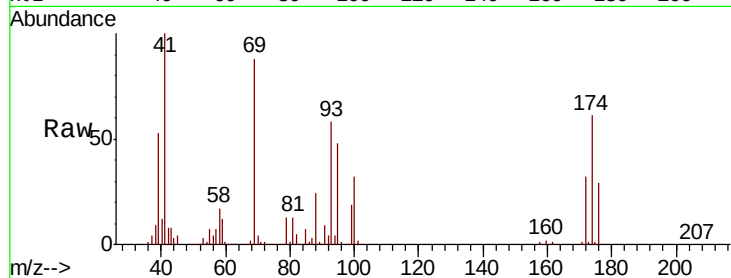
Tot Ion: 88 Resp: 75735

Ion Ratio Lower Upper

88 100

43 32.3 26.9 40.3

58 71.1 57.3 85.9

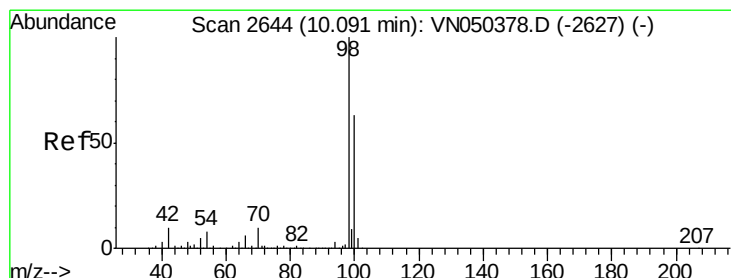
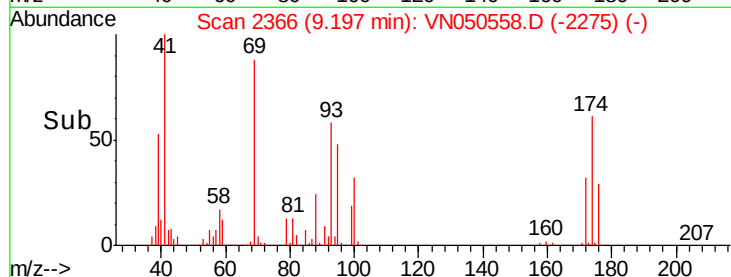
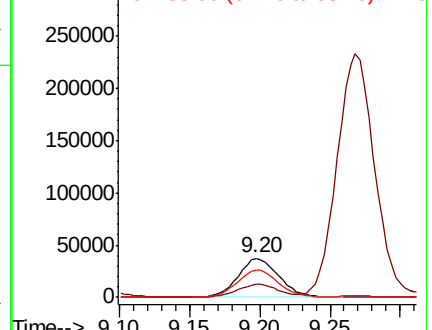


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.65 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050558.D

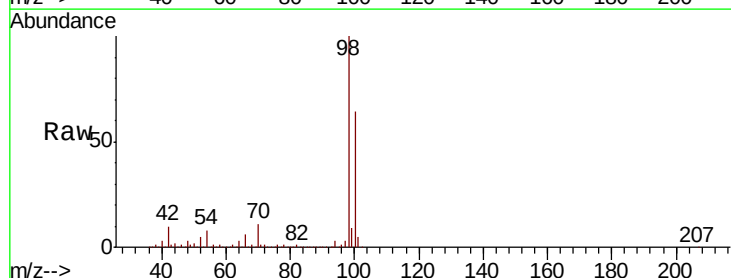
Acq: 13 Aug 2018 10:48

Tgt Ion: 98 Resp: 1355915

Ion Ratio Lower Upper

98 100

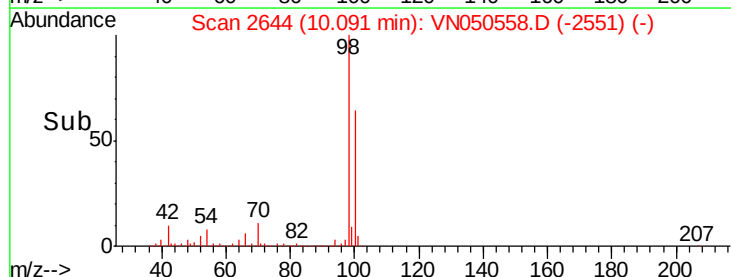
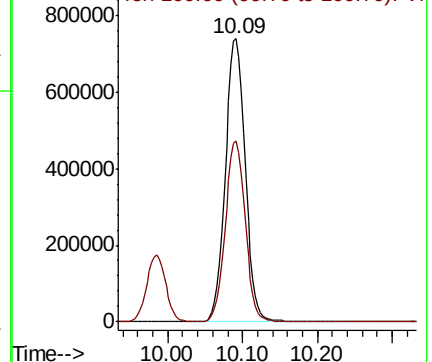
100 63.9 50.7 76.1

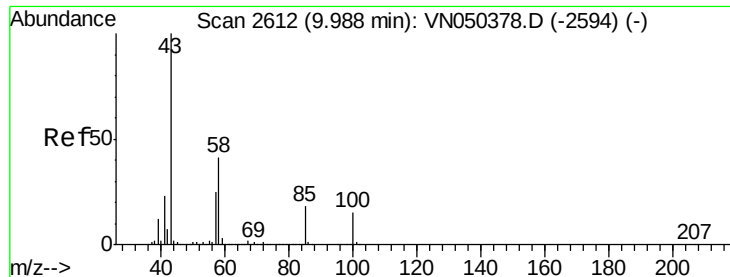


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

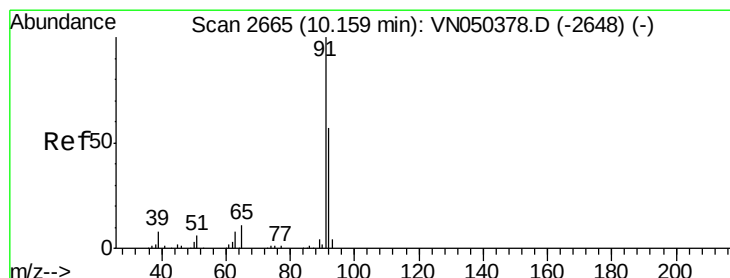
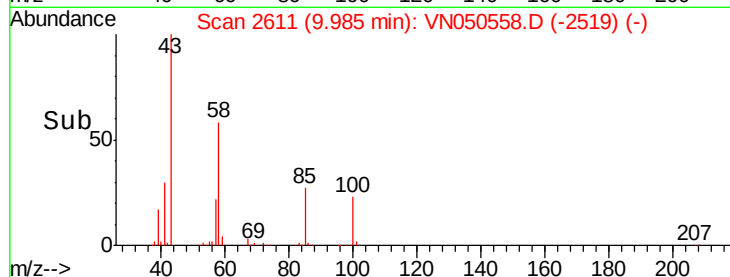
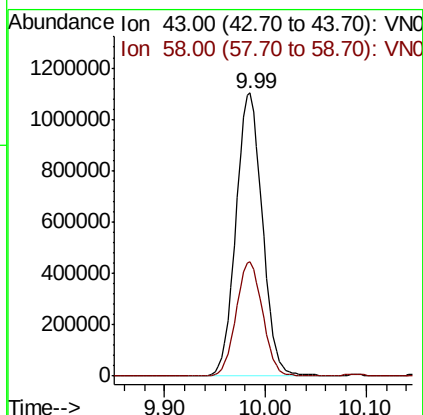
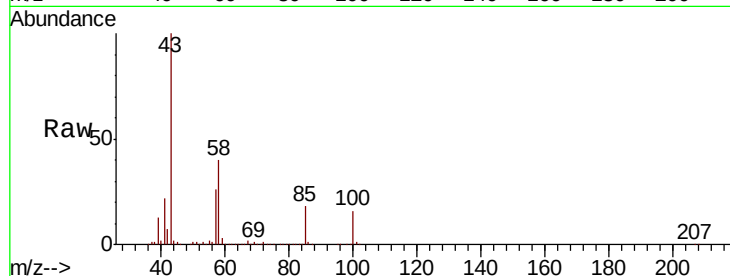




#51  
 4-Methyl-2-Pentanone  
 Concen: 216.13 ug/l  
 RT: 9.99 min Scan# 2611  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

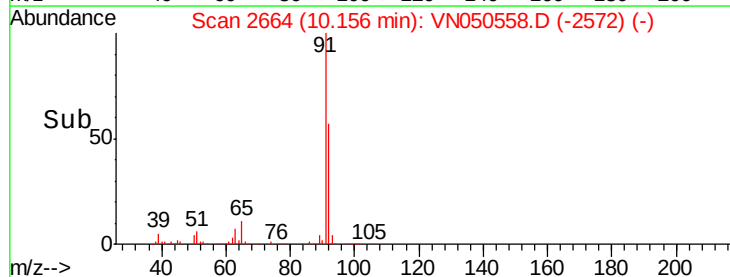
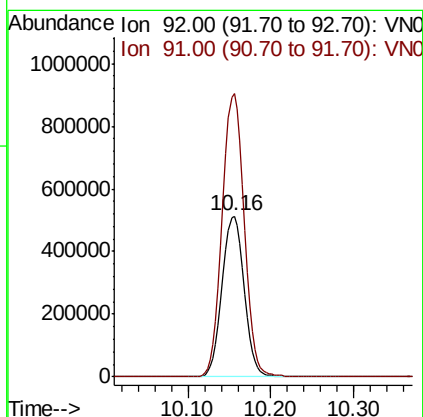
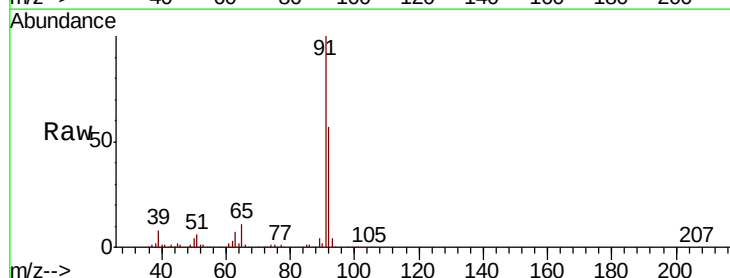
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

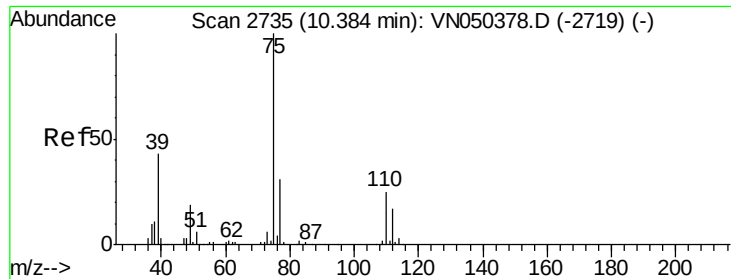
Tot Ion: 43 Resp: 2005225  
 Ion Ratio Lower Upper  
 43 100  
 58 40.6 31.9 47.9



#52  
 Toluene  
 Concen: 49.66 ug/l  
 RT: 10.16 min Scan# 2664  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Tgt Ion: 92 Resp: 950394  
 Ion Ratio Lower Upper  
 92 100  
 91 175.9 140.3 210.5

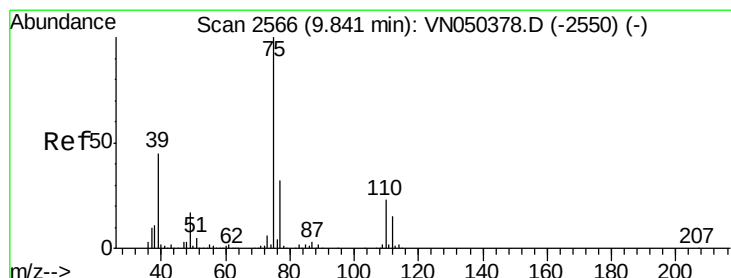
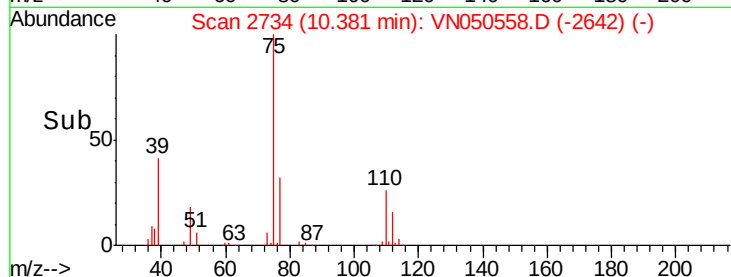
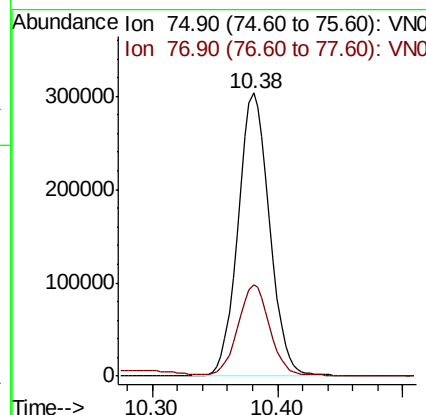
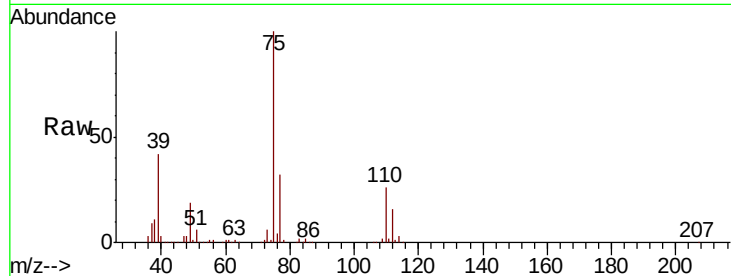




#53  
t-1,3-Dichloropropene  
Concen: 49.26 ug/l  
RT: 10.38 min Scan# 2734  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

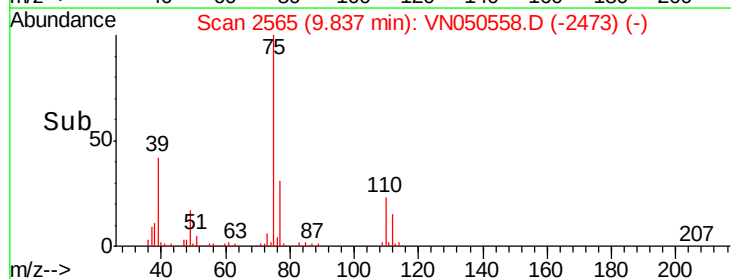
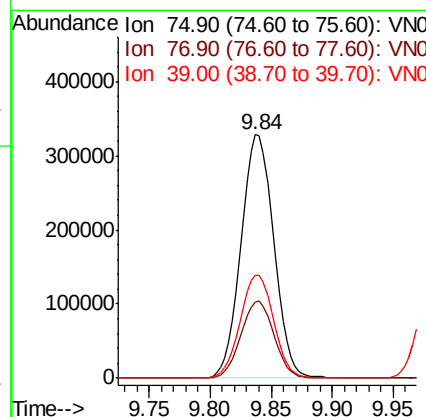
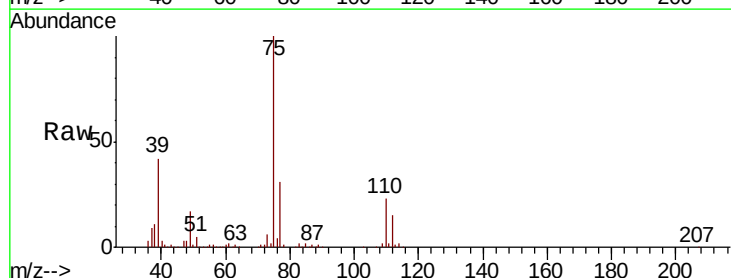
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

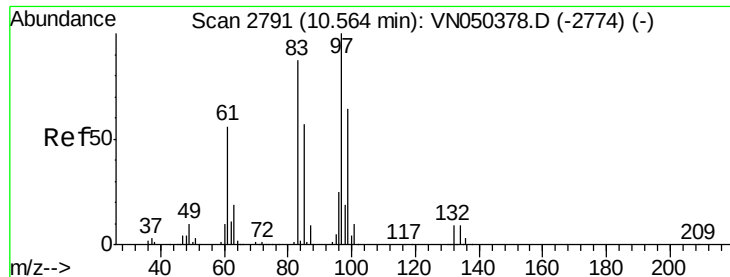
Tot Ion: 75 Resp: 529847  
Ion Ratio Lower Upper  
75 100  
77 32.0 24.9 37.3



#54  
cis-1,3-Dichloropropene  
Concen: 50.89 ug/l  
RT: 9.84 min Scan# 2565  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 75 Resp: 610918  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.5 38.3  
39 42.1 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 47.14 ug/l

RT: 10.56 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 352197

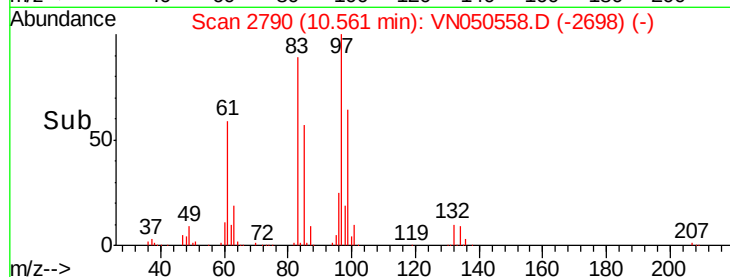
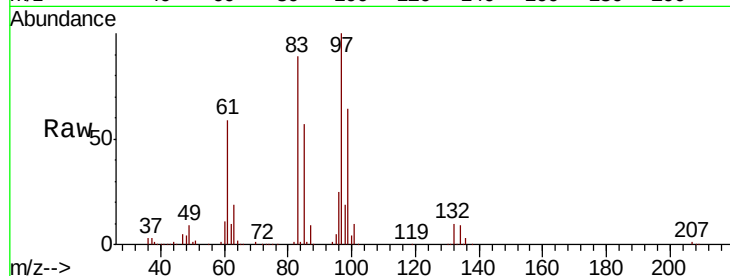
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.9  | 69.2  | 103.8 |
| 85  | 57.3  | 44.0  | 66.0  |
| 99  | 63.7  | 49.9  | 74.9  |

97 100

83 88.9 69.2 103.8

85 57.3 44.0 66.0

99 63.7 49.9 74.9

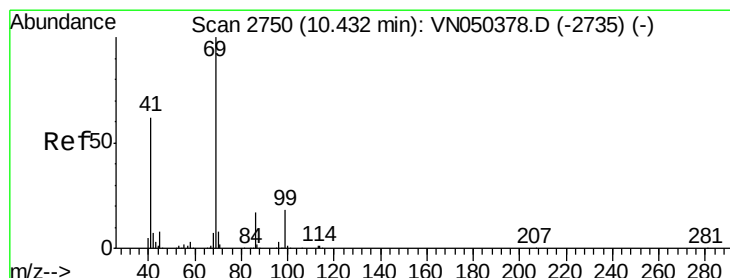
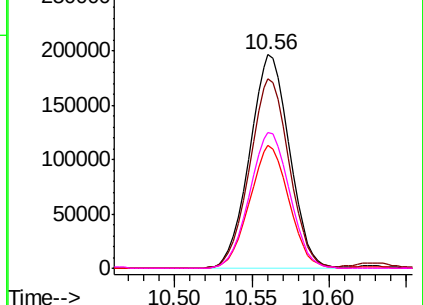


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 42.69 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

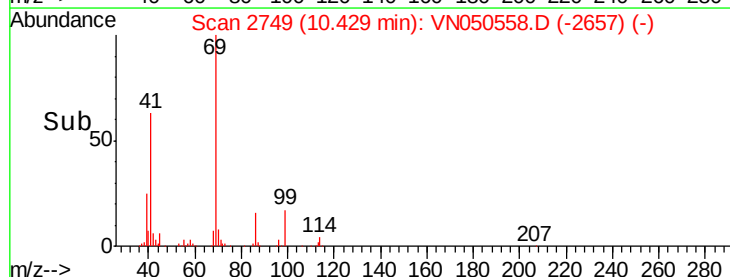
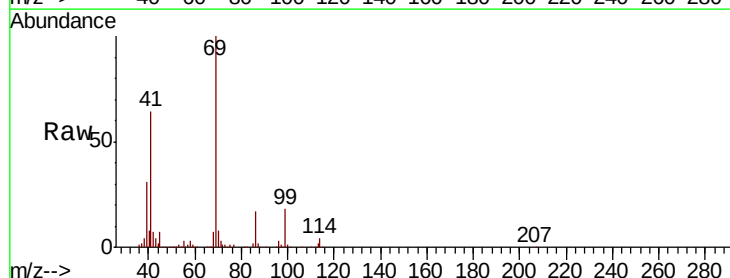
Tgt Ion: 69 Resp: 448568

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 63.1  | 51.0  | 76.4  |
| 39  | 31.4  | 26.6  | 40.0  |

69 100

41 63.1 51.0 76.4

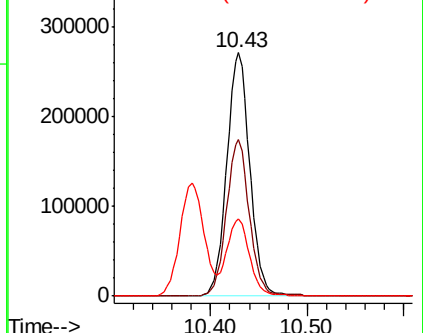
39 31.4 26.6 40.0



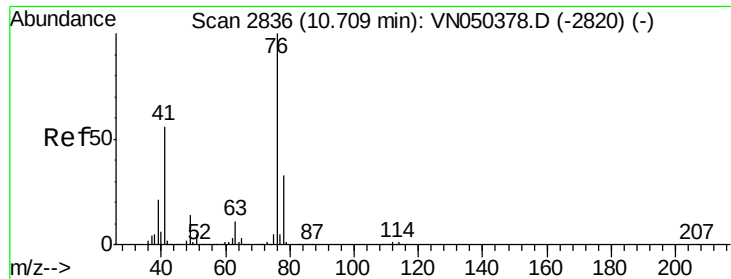
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0







#57

1,3-Dichloropropane

Concen: 48.57 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

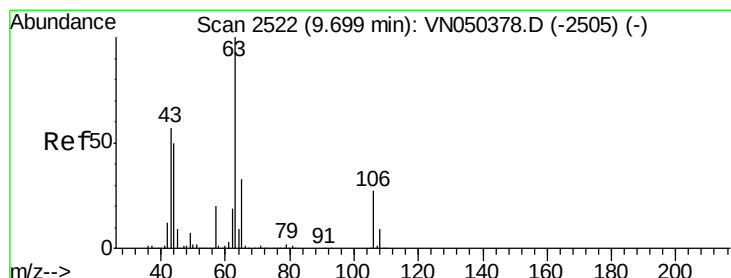
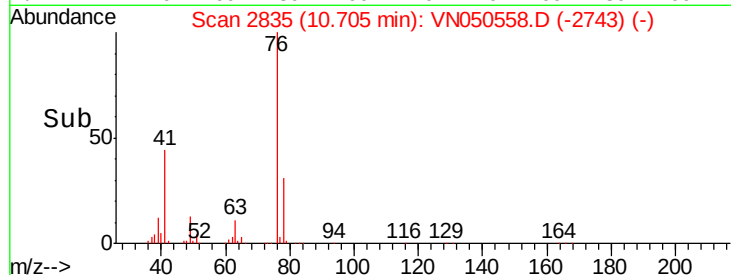
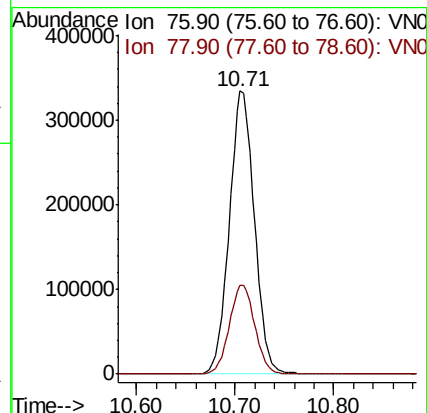
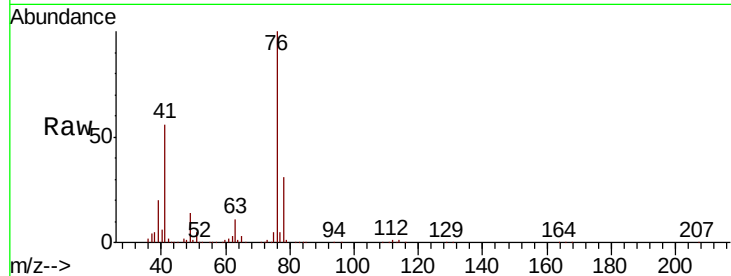
VSTDCCC050

Tot Ion: 76 Resp: 595664

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 218.46 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.01 min

Lab File: VN050558.D

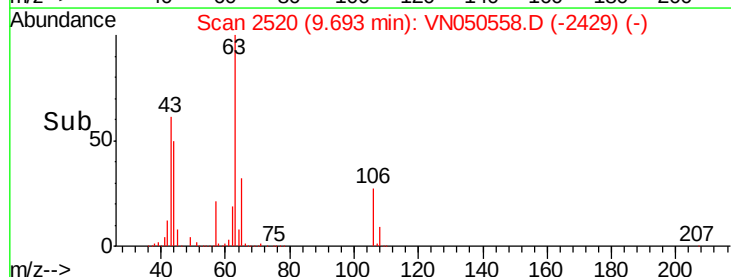
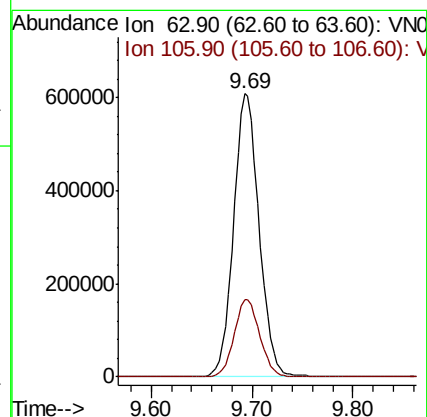
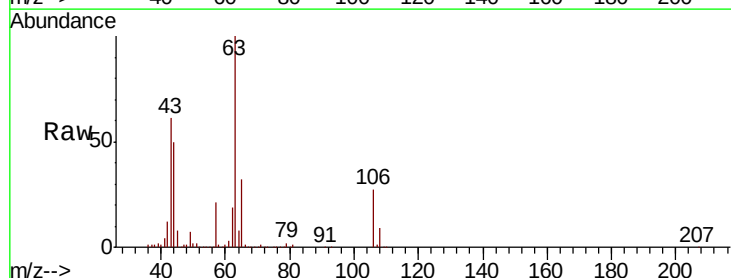
Acq: 13 Aug 2018 10:48

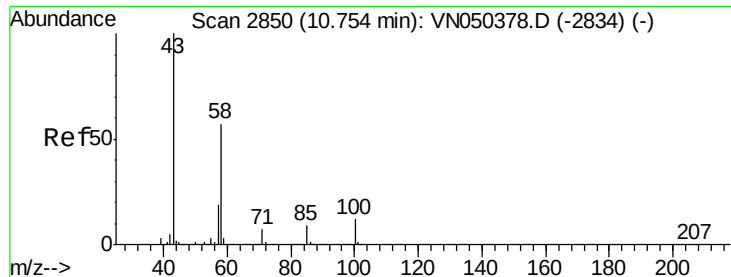
Tgt Ion: 63 Resp: 1071827

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5

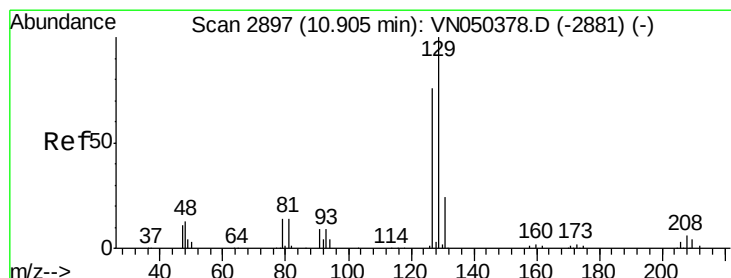
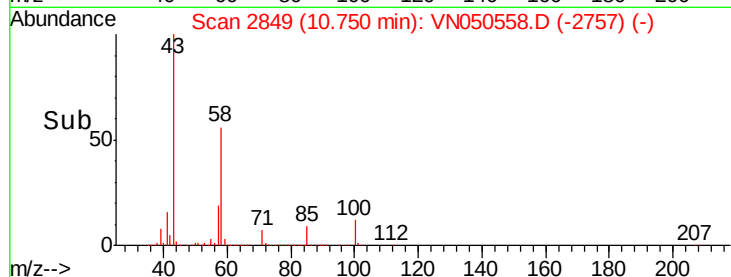
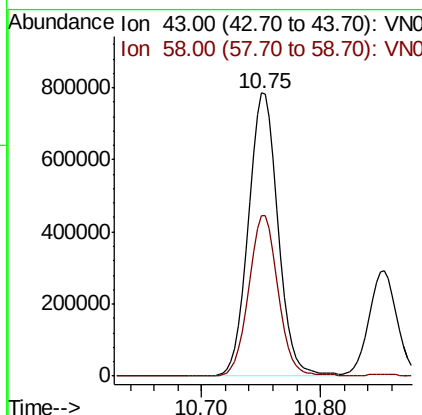
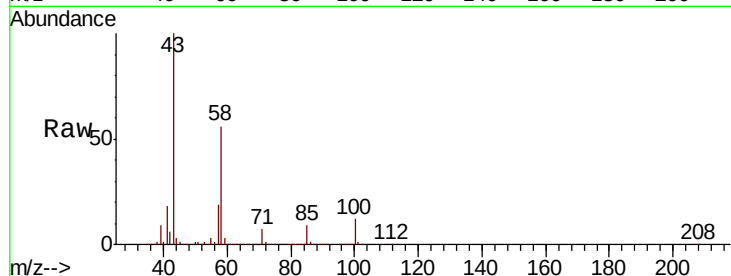




#59  
2-Hexanone  
Concen: 209.07 ug/l  
RT: 10.75 min Scan# 2849  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

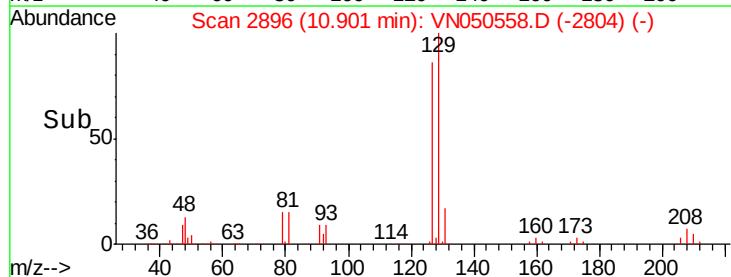
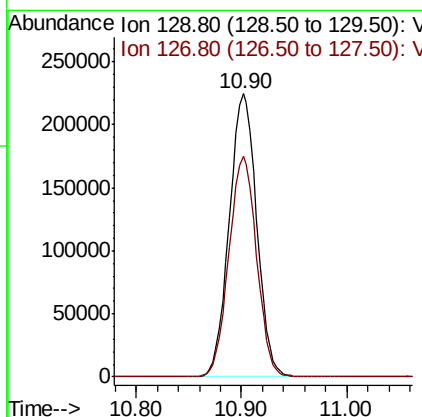
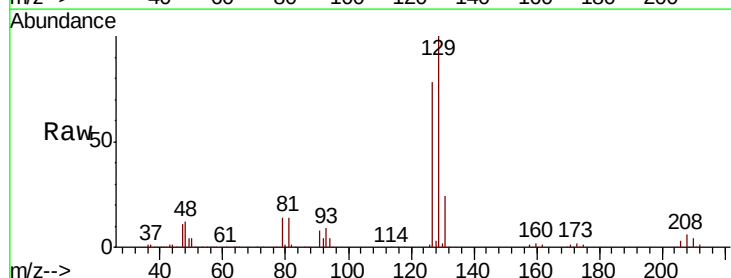
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

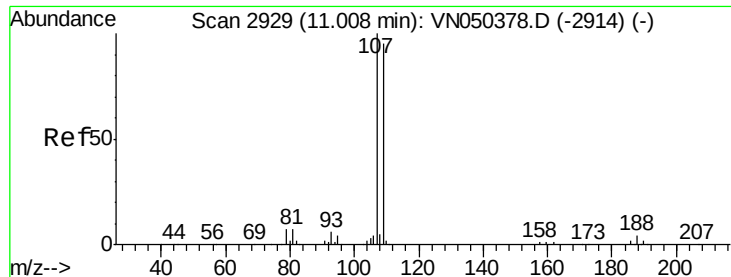
Tot Ion: 43 Resp: 1353676  
Ion Ratio Lower Upper  
43 100  
58 56.4 27.6 82.7



#60  
Dibromochloromethane  
Concen: 49.16 ug/l  
RT: 10.90 min Scan# 2896  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 129 Resp: 404582  
Ion Ratio Lower Upper  
129 100  
127 78.4 38.0 113.9

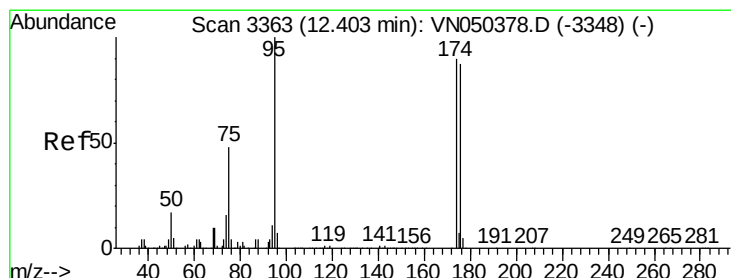
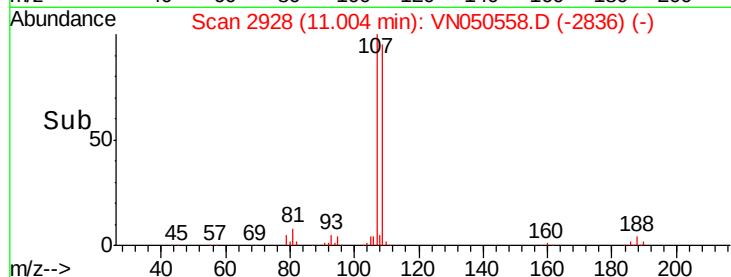
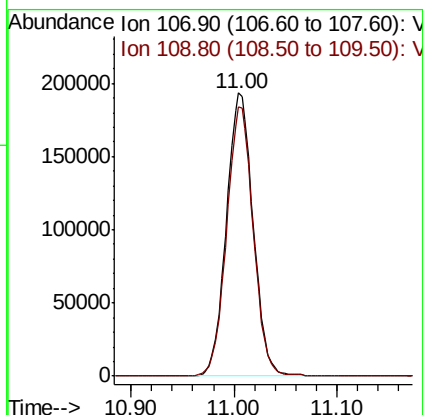
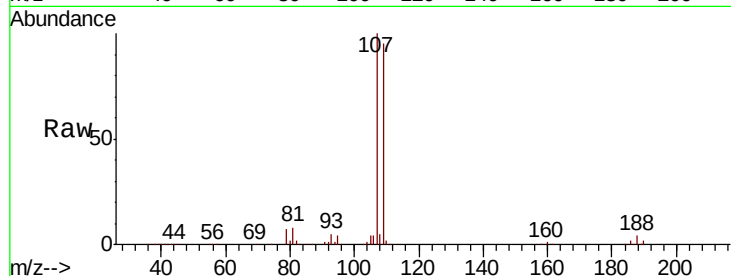




#61  
 1,2-Dibromoethane  
 Concen: 47.40 ug/l  
 RT: 11.00 min Scan# 2928  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

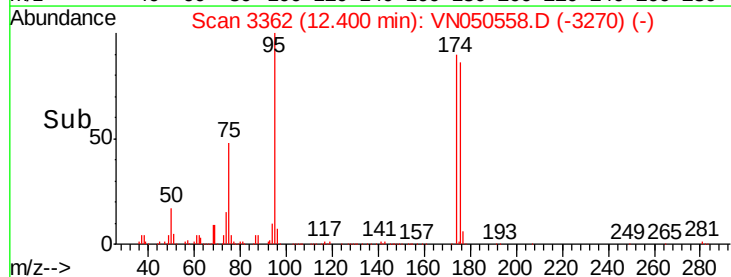
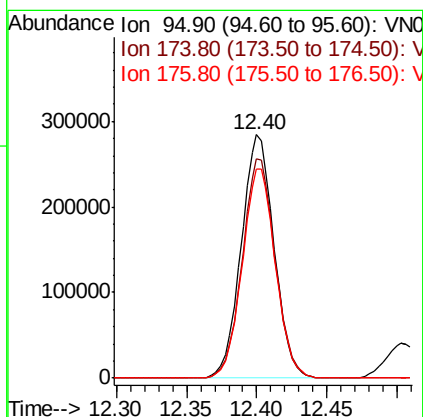
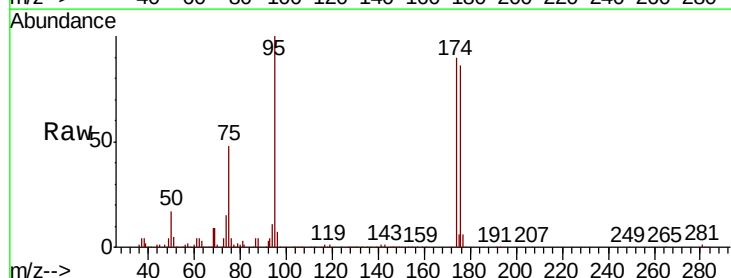
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

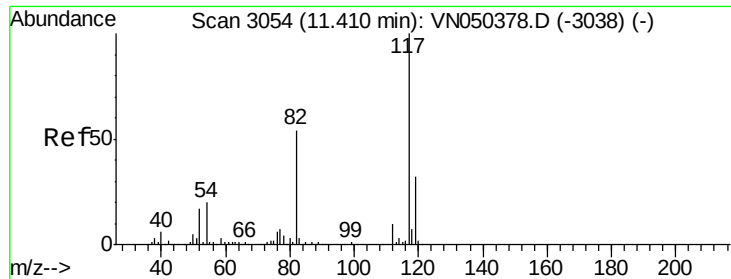
Tot Ion:107 Resp: 349093  
 Ion Ratio Lower Upper  
 107 100  
 109 94.8 74.6 112.0



#62  
 4-Bromofluorobenzene  
 Concen: 47.72 ug/l  
 RT: 12.40 min Scan# 3362  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Tgt Ion: 95 Resp: 462745  
 Ion Ratio Lower Upper  
 95 100  
 174 90.3 0.0 178.2  
 176 87.2 0.0 173.4

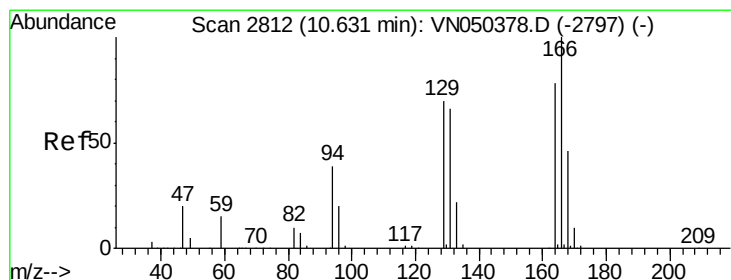
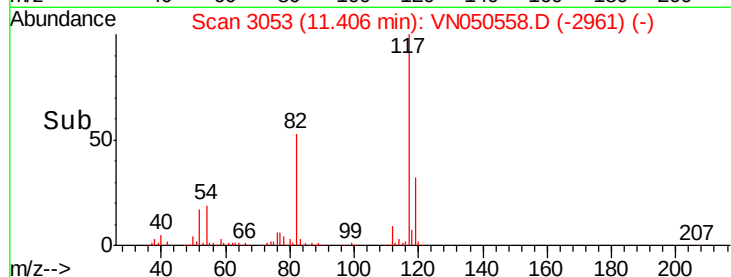
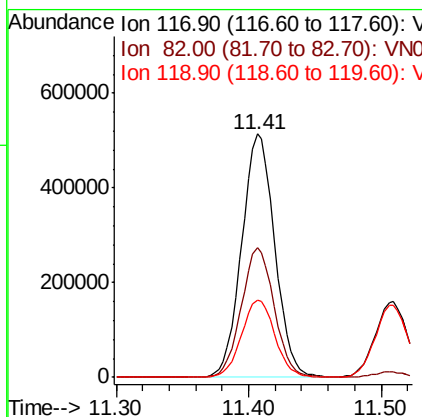
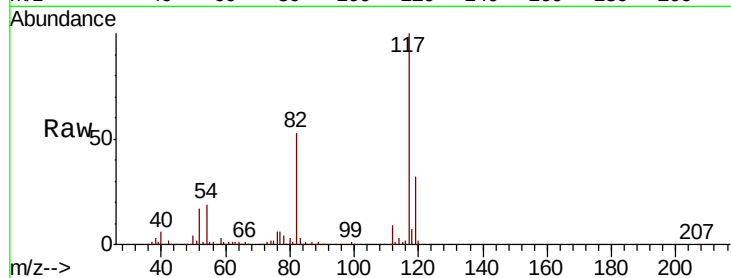




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3053  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

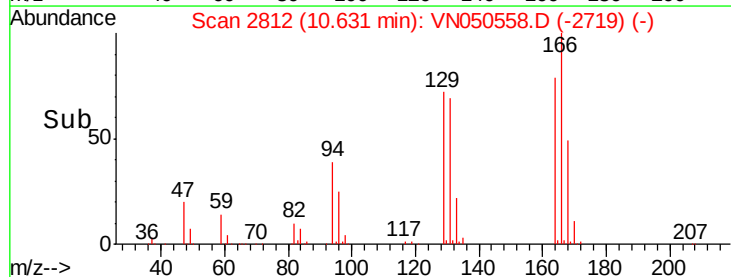
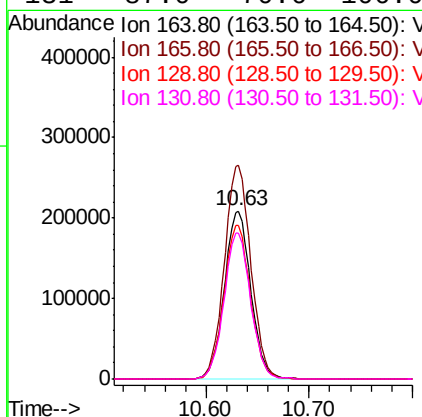
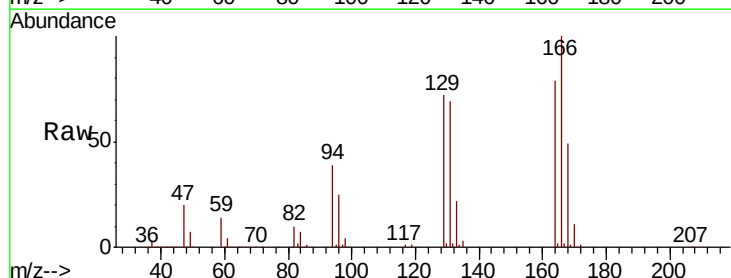
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

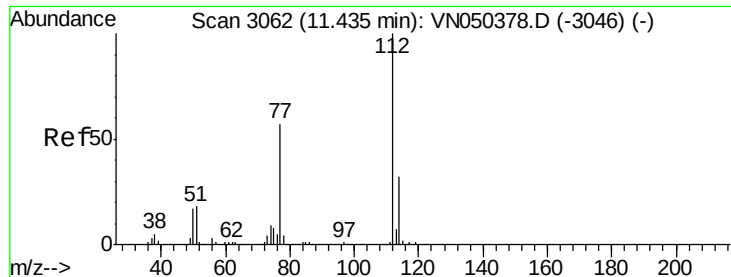
Tot Ion:117 Resp: 888155  
Ion Ratio Lower Upper  
117 100  
82 53.1 43.7 65.5  
119 31.7 26.1 39.1



#64  
Tetrachloroethene  
Concen: 44.80 ug/l  
RT: 10.63 min Scan# 2812  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion:164 Resp: 371803  
Ion Ratio Lower Upper  
164 100  
166 126.9 102.1 153.1  
129 91.6 73.2 109.8  
131 87.0 70.6 106.0

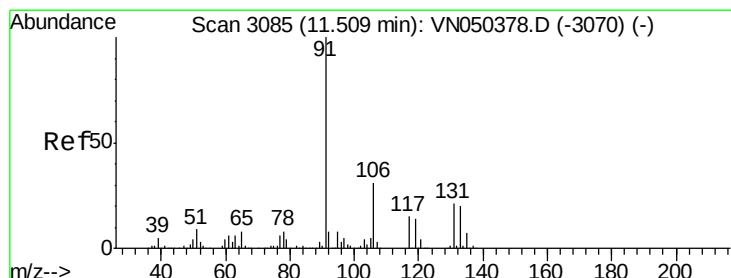
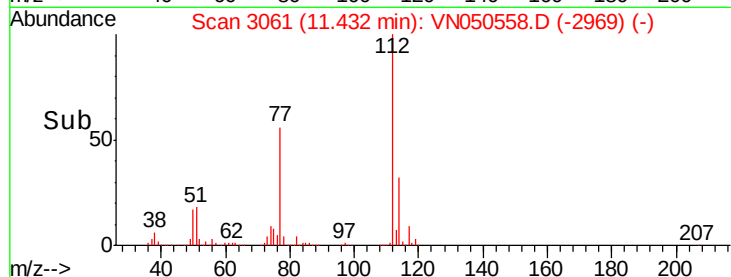
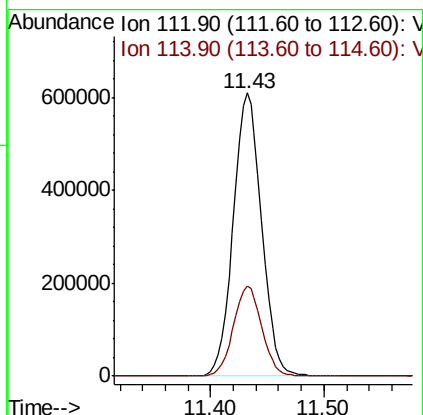
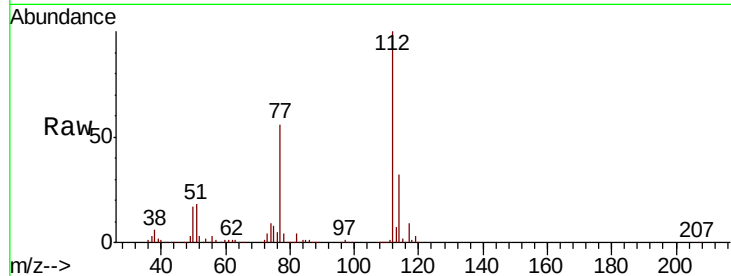




#65  
Chlorobenzene  
Concen: 47.52 ug/l  
RT: 11.43 min Scan# 3061  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

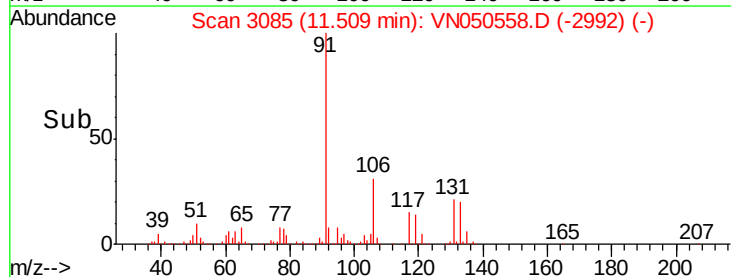
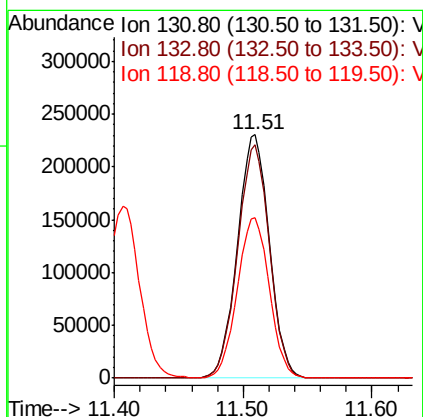
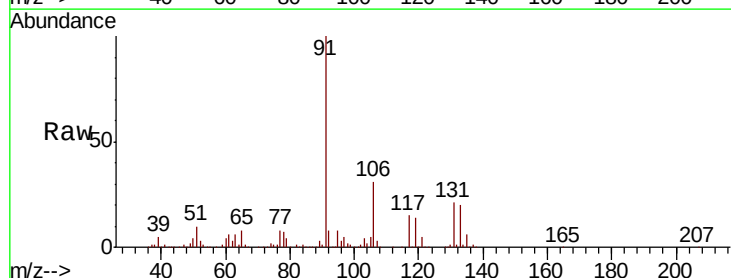
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

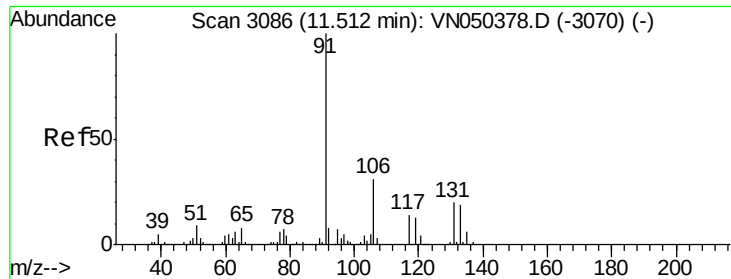
Tot Ion:112 Resp: 1058113  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.6 38.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.91 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion:131 Resp: 396336  
Ion Ratio Lower Upper  
131 100  
133 95.6 47.3 141.9  
119 66.4 32.9 98.7





#67

Ethyl Benzene

Concen: 49.75 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

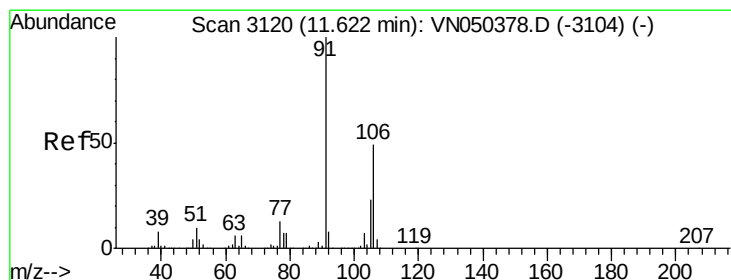
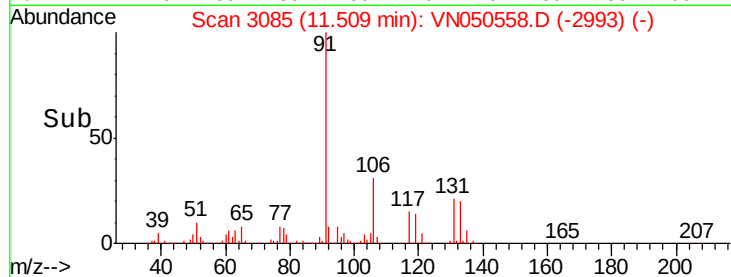
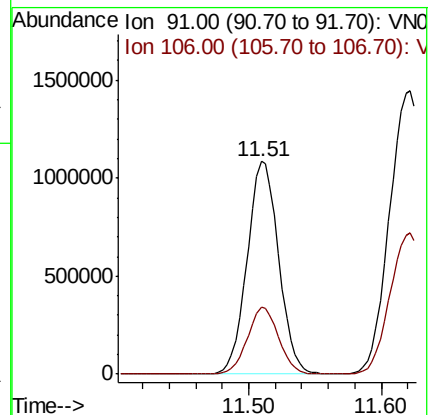
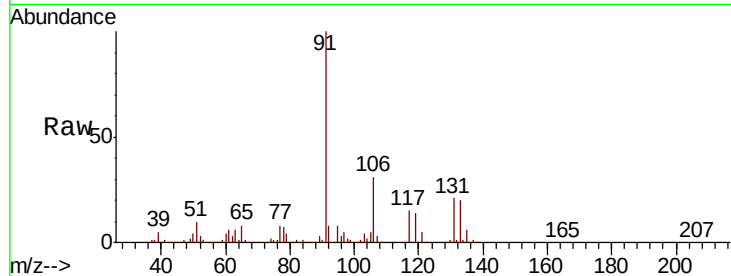
VSTDCCC050

Tot Ion: 91 Resp: 1790475

Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



#68

m/p-Xylenes

Concen: 101.30 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050558.D

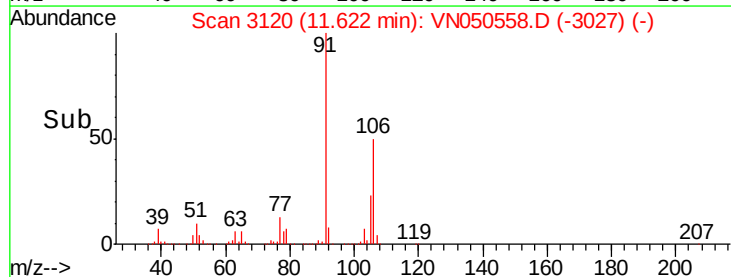
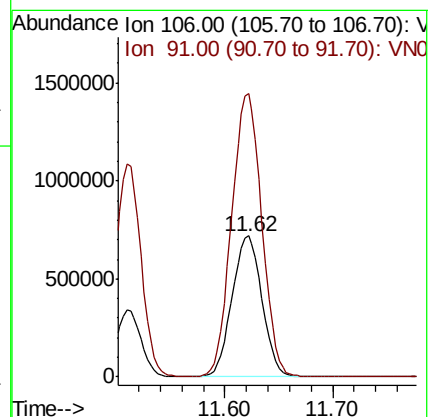
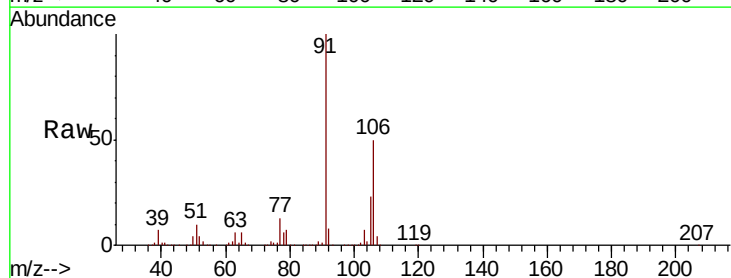
Acq: 13 Aug 2018 10:48

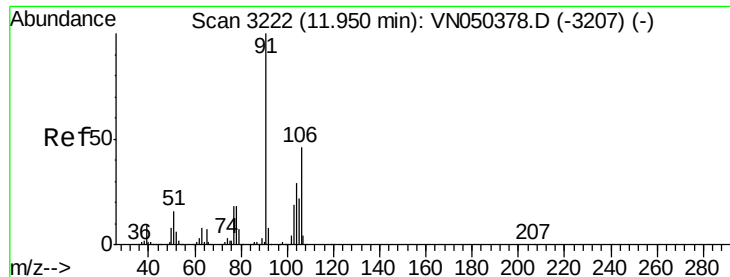
Tgt Ion: 106 Resp: 1387998

Ion Ratio Lower Upper

106 100

91 202.3 162.2 243.2

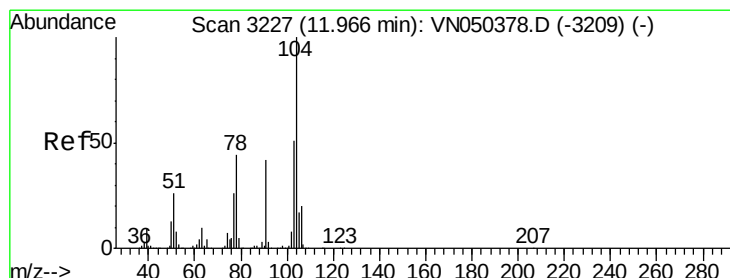
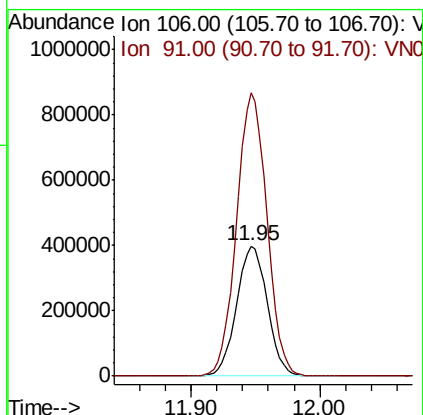
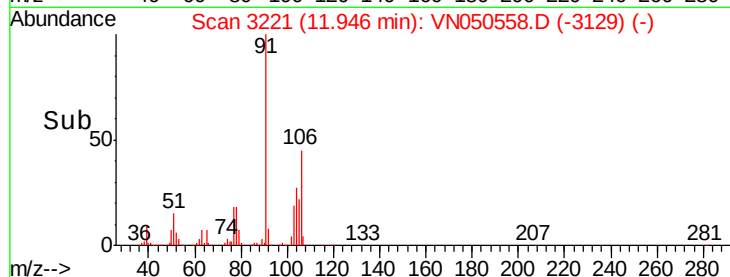
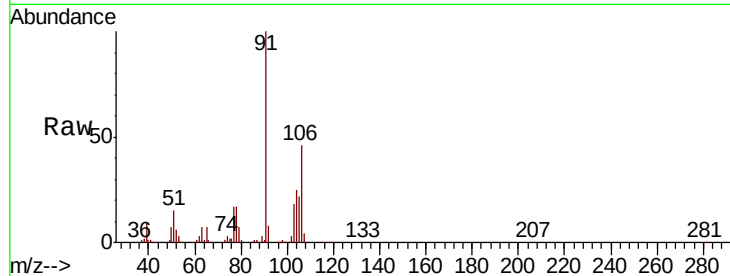




#69  
o-Xylene  
Concen: 49.97 ug/l  
RT: 11.95 min Scan# 3221  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

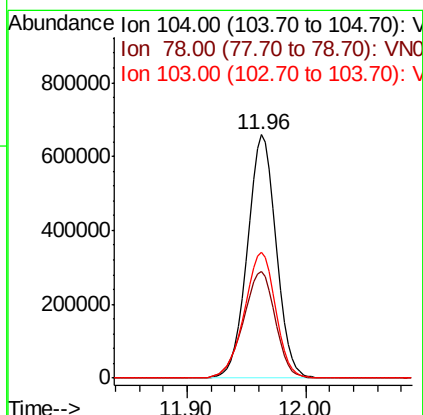
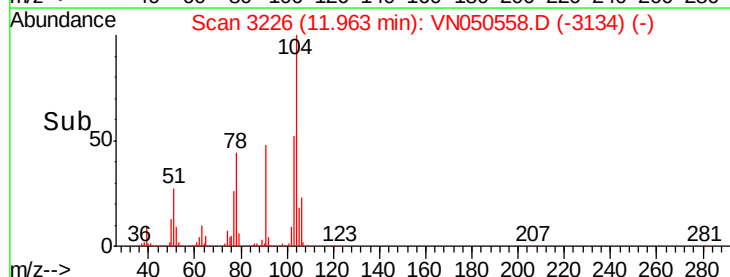
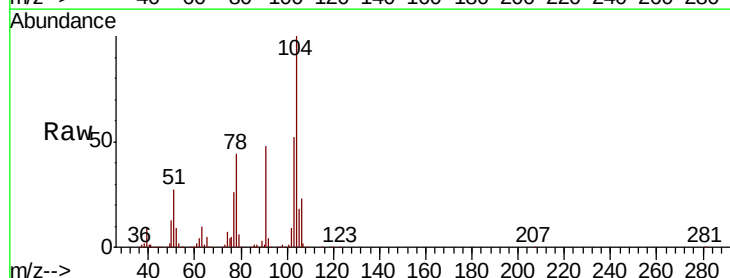
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050

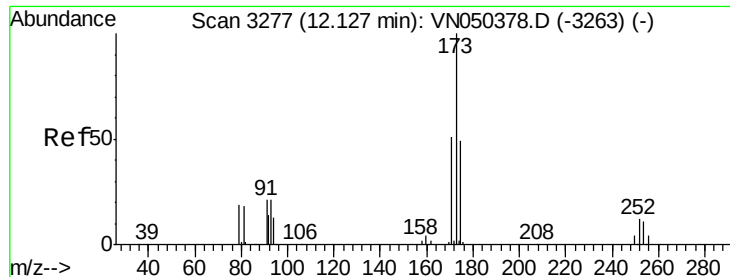
Tot Ion:106 Resp: 659554  
Ion Ratio Lower Upper  
106 100  
91 215.6 107.7 323.1



#70  
Styrene  
Concen: 51.43 ug/l  
RT: 11.96 min Scan# 3226  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion:104 Resp: 1103915  
Ion Ratio Lower Upper  
104 100  
78 48.7 39.3 58.9  
103 56.2 45.0 67.6





#71

Bromoform

Concen: 47.26 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

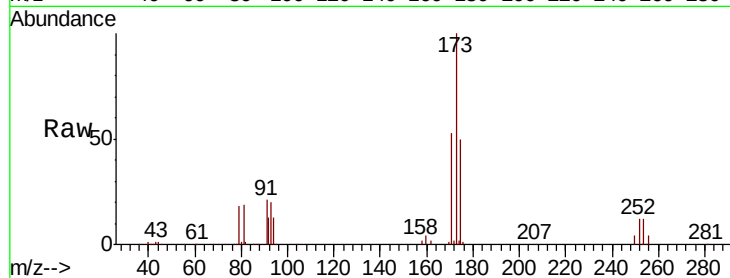
Tot Ion:173 Resp: 279900

Ion Ratio Lower Upper

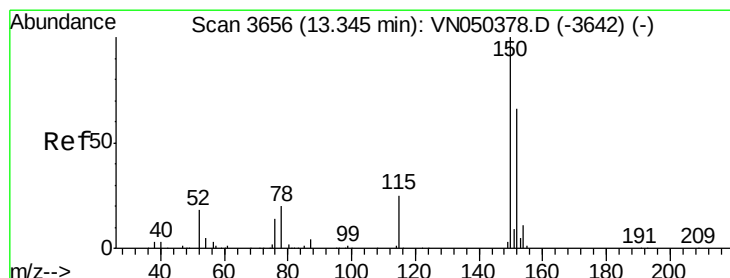
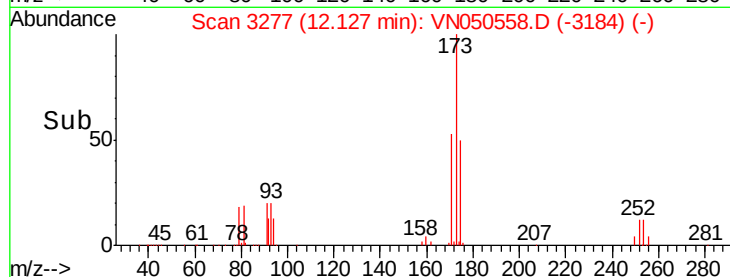
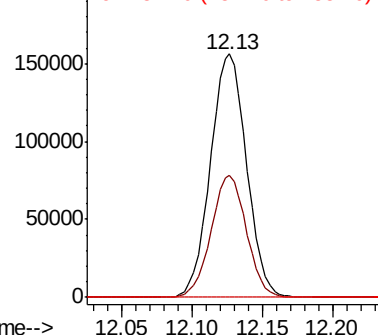
173 100

175 48.9 24.1 72.2

254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

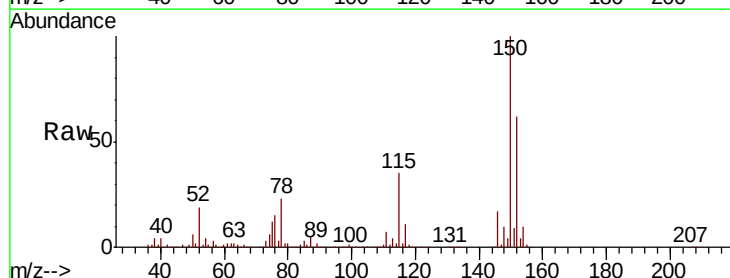
Tgt Ion:152 Resp: 459450

Ion Ratio Lower Upper

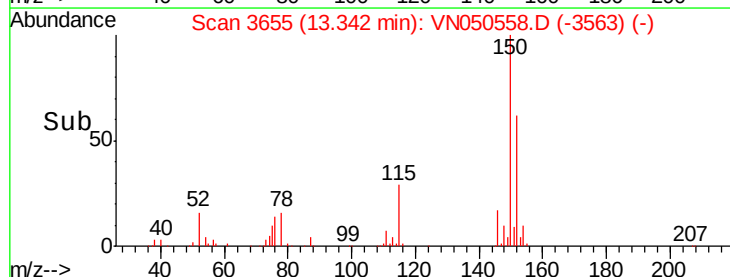
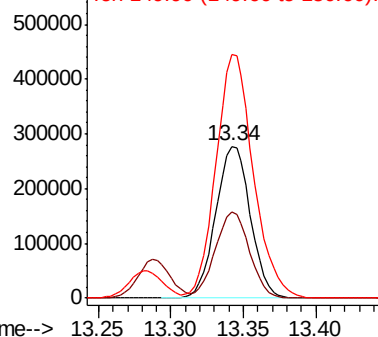
152 100

115 56.4 27.8 83.3

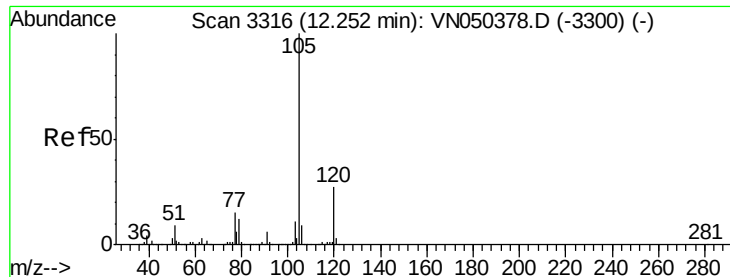
150 173.9 0.0 348.6



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







#73

Isopropylbenzene

Concen: 50.66 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

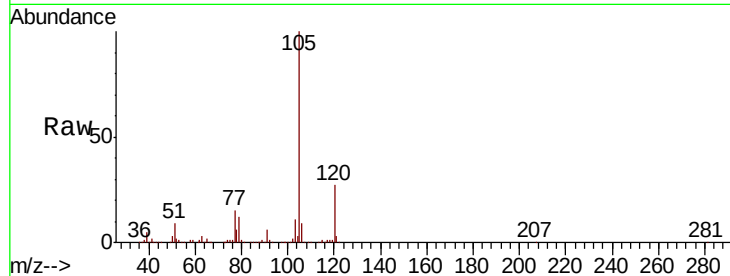
VSTDCCC050

Tot Ion:105 Resp: 1747273

Ion Ratio Lower Upper

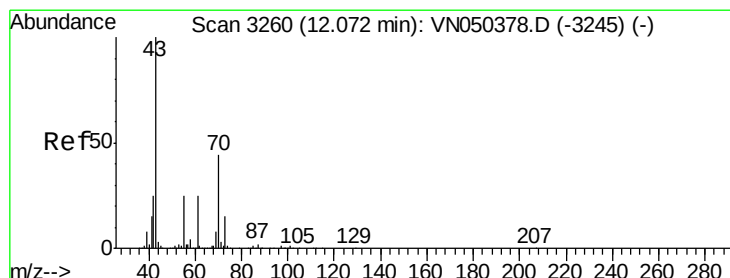
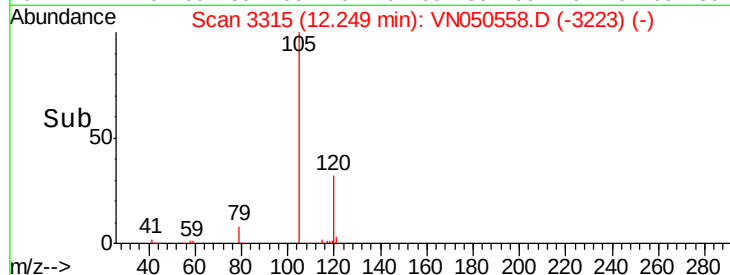
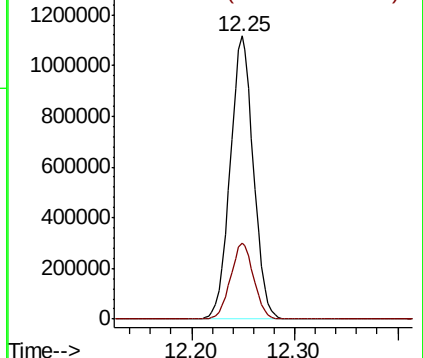
105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.84 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Tgt Ion: 43 Resp: 490081

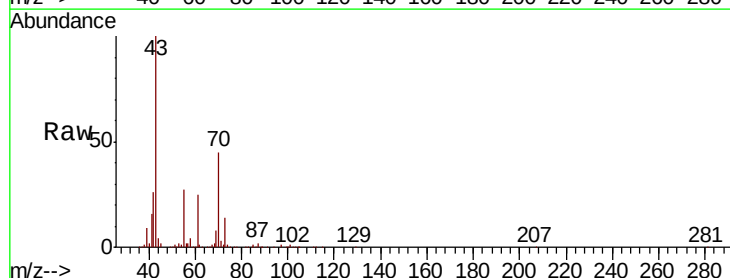
Ion Ratio Lower Upper

43 100

70 44.4 34.4 51.6

55 27.3 20.8 31.2

61 25.0 19.7 29.5

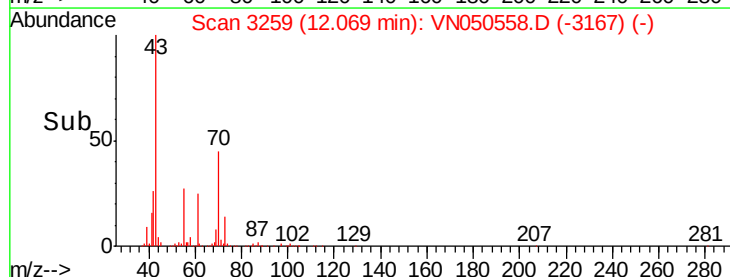
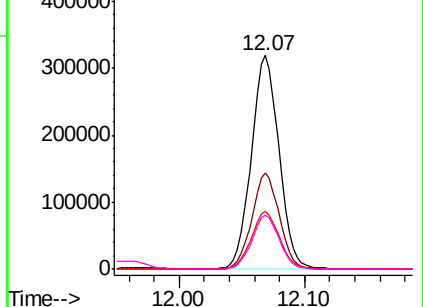


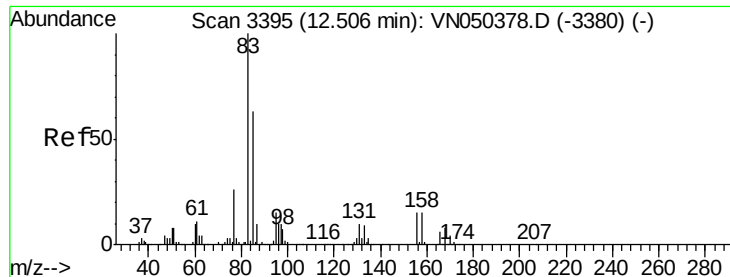
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 44.15 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

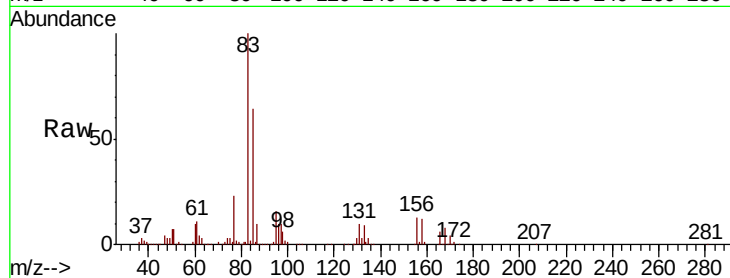
Tot Ion: 83 Resp: 439342

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

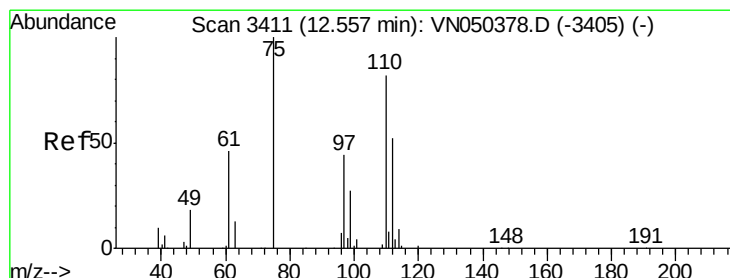
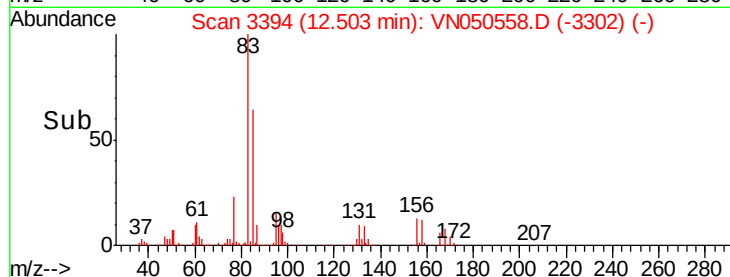
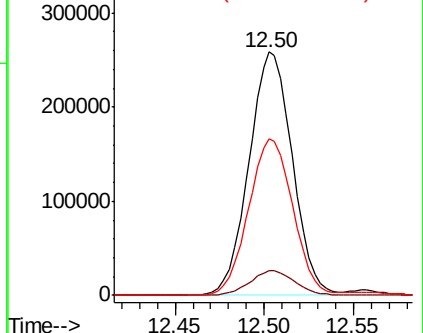
85 65.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050378.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050378.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 63.62 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050558.D

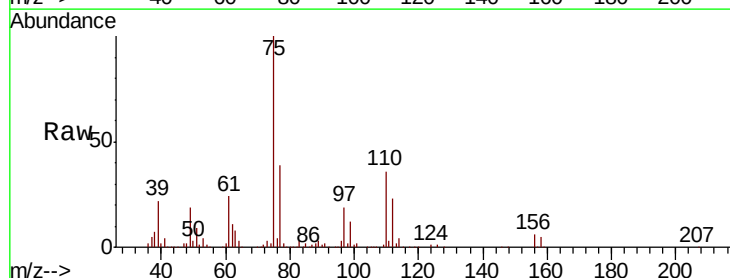
Acq: 13 Aug 2018 10:48

Tgt Ion: 75 Resp: 529054

Ion Ratio Lower Upper

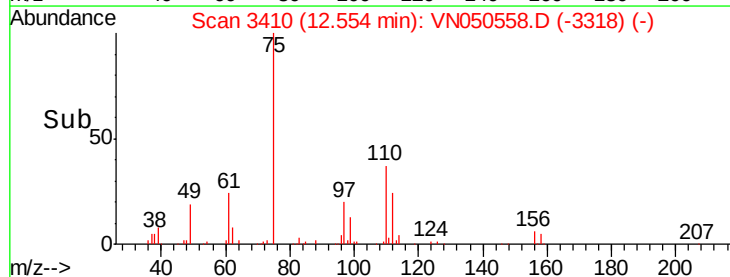
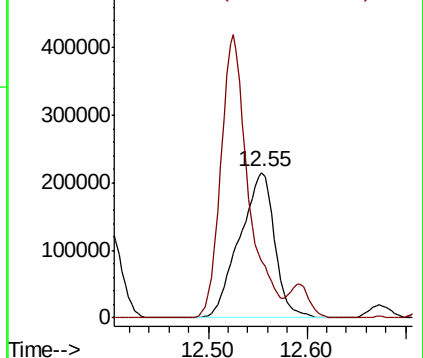
75 100

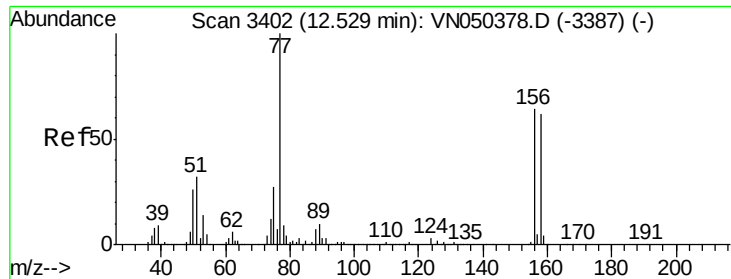
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050378.D (-3405) (-)





#77

Bromobenzene

Concen: 49.47 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

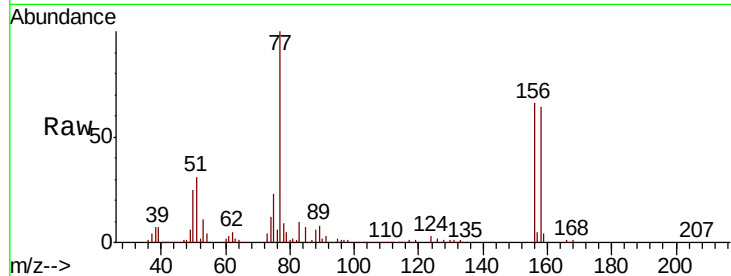
Tot Ion:156 Resp: 457088

Ion Ratio Lower Upper

156 100

77 181.0 91.7 275.1

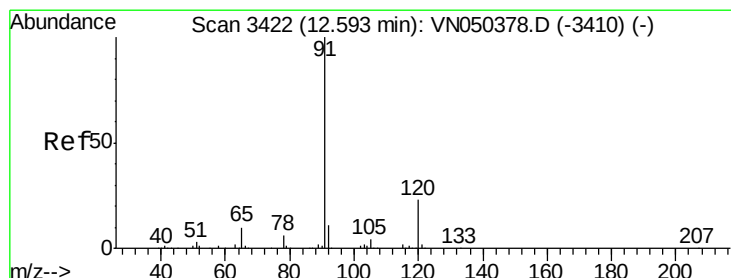
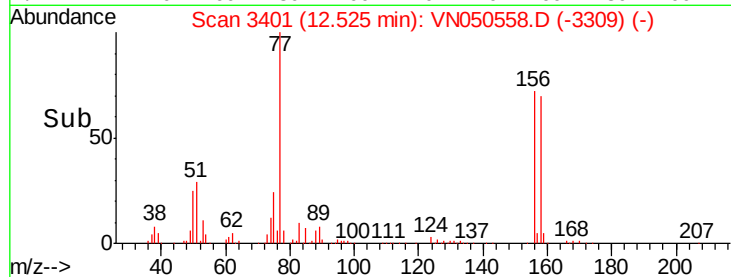
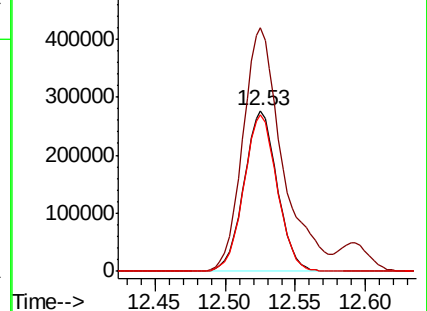
158 97.6 48.9 146.6



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: 51.70 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050558.D

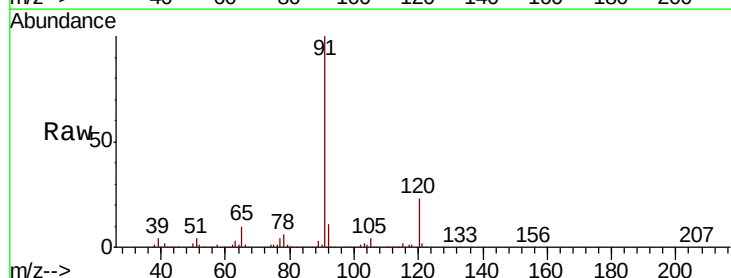
Acq: 13 Aug 2018 10:48

Tgt Ion: 91 Resp: 2018186

Ion Ratio Lower Upper

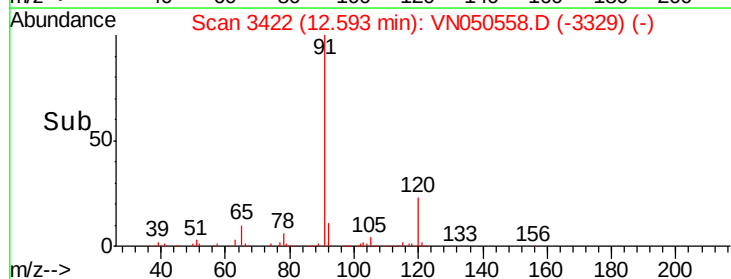
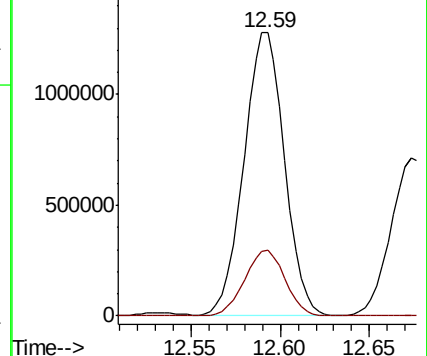
91 100

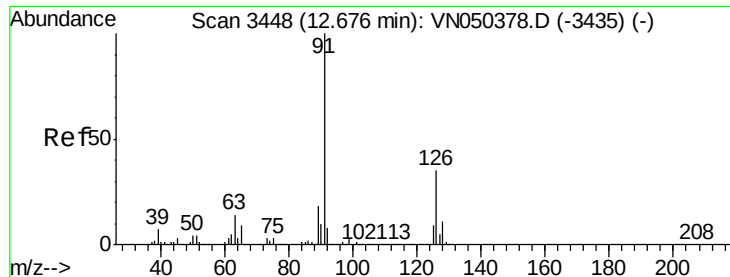
120 23.3 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.80 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

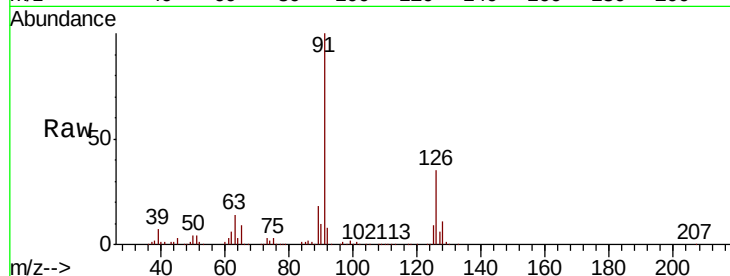
VSTDCCC050

Tot Ion: 91 Resp: 1200676

Ion Ratio Lower Upper

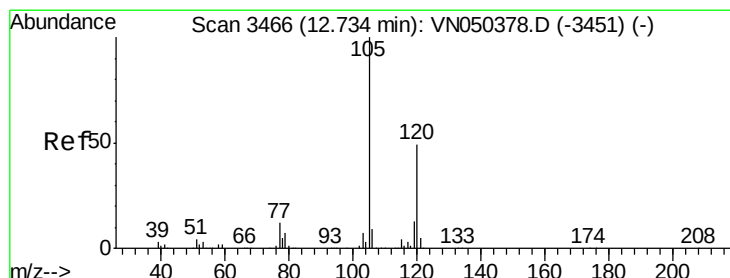
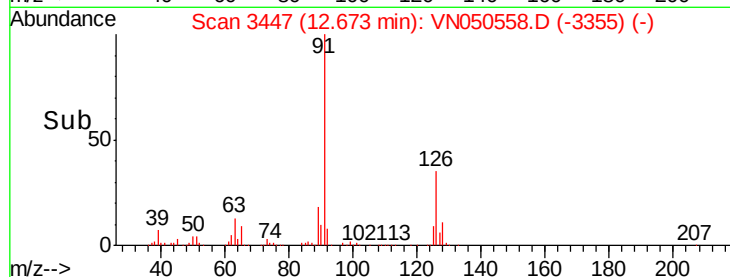
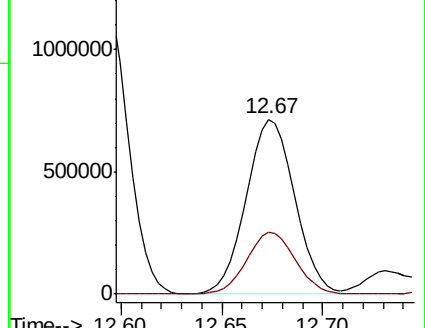
91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.02 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050558.D

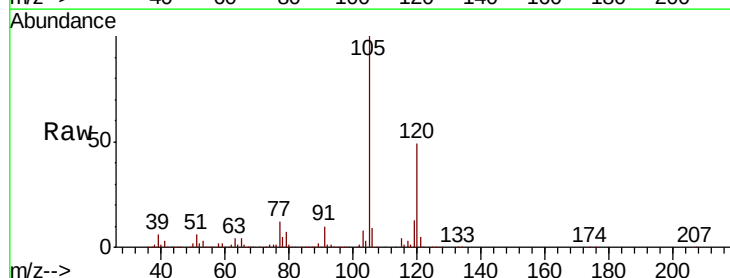
Acq: 13 Aug 2018 10:48

Tgt Ion:105 Resp: 1456368

Ion Ratio Lower Upper

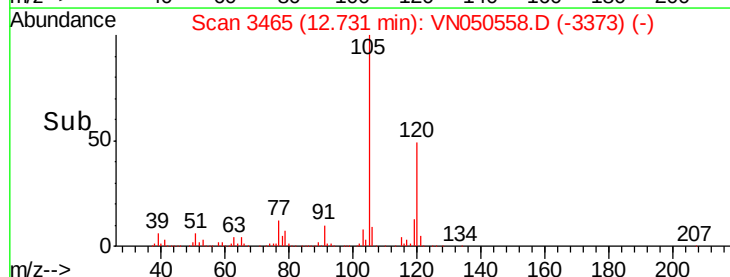
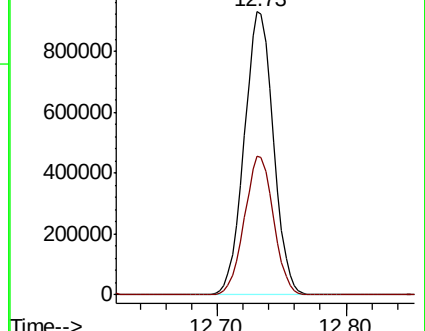
105 100

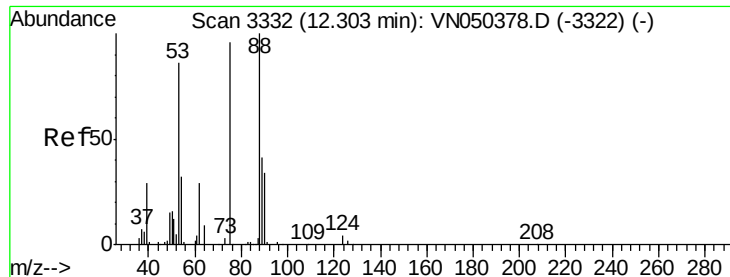
120 49.0 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.89 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

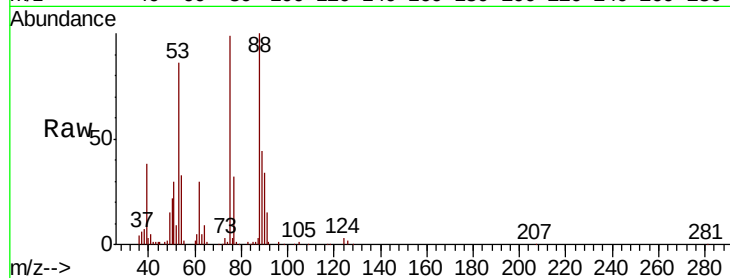
Tot Ion: 75 Resp: 115727

Ion Ratio Lower Upper

75 100

53 87.5 73.5 110.3

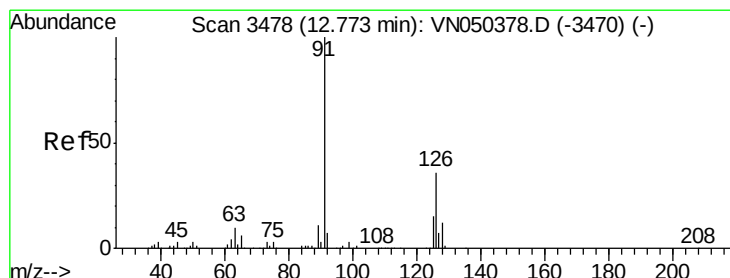
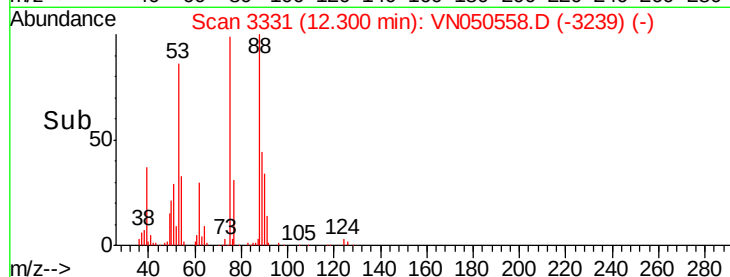
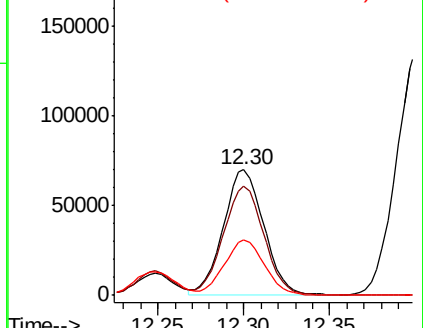
89 44.0 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.87 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050558.D

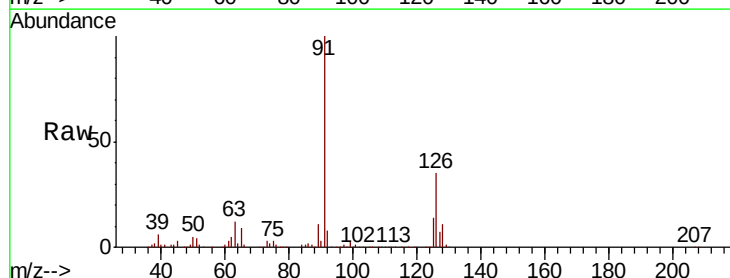
Acq: 13 Aug 2018 10:48

Tgt Ion: 91 Resp: 1223171

Ion Ratio Lower Upper

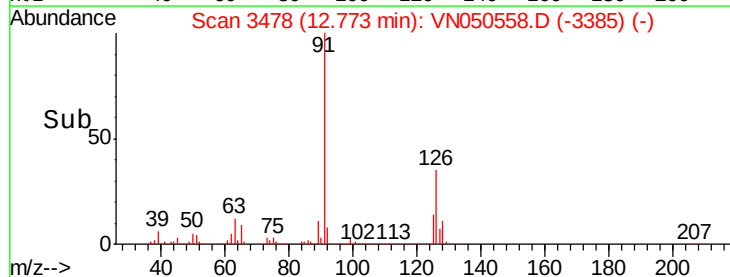
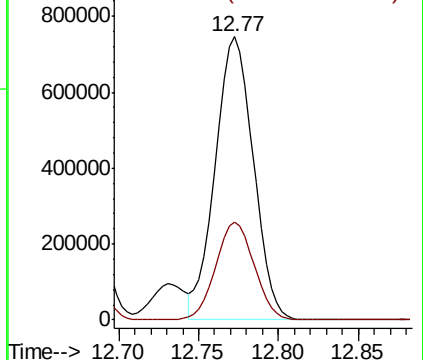
91 100

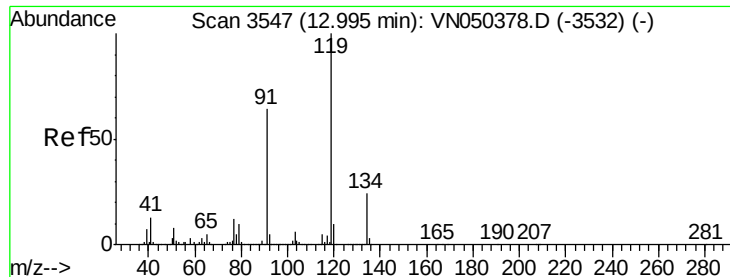
126 34.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 49.94 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

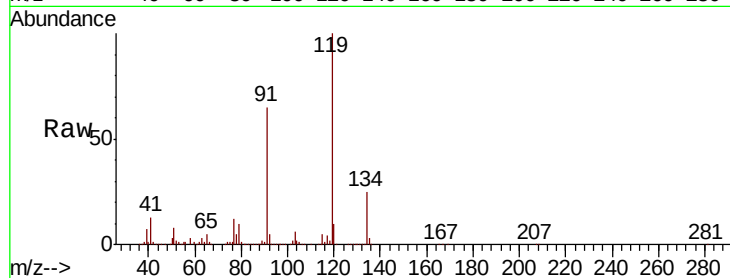
Tot Ion:119 Resp: 1219837

Ion Ratio Lower Upper

119 100

91 63.9 32.1 96.3

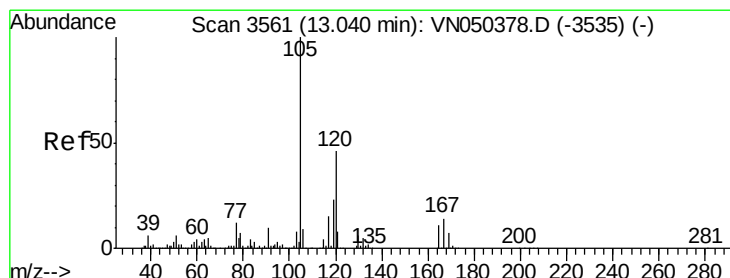
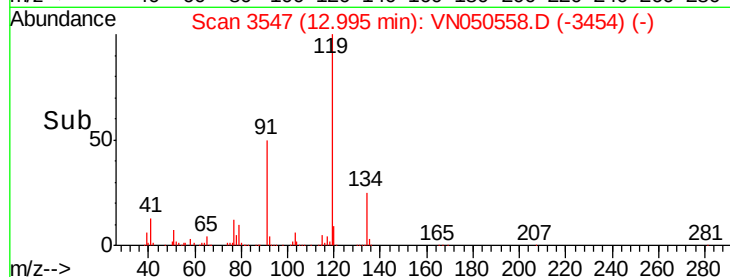
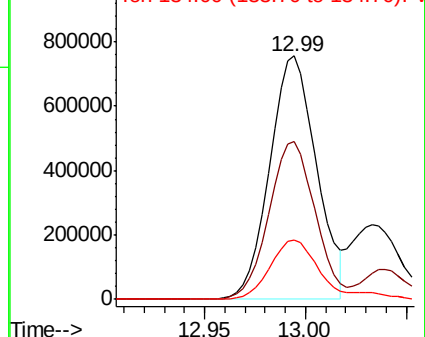
134 24.8 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.46 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050558.D

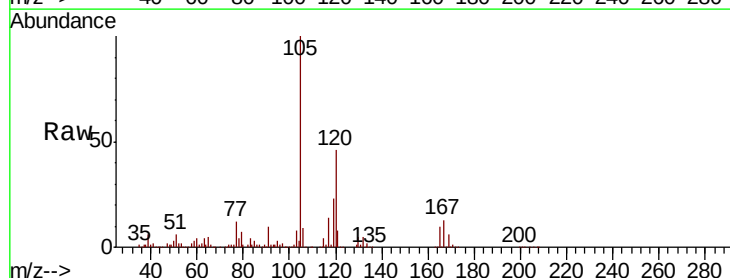
Acq: 13 Aug 2018 10:48

Tgt Ion:105 Resp: 1487857

Ion Ratio Lower Upper

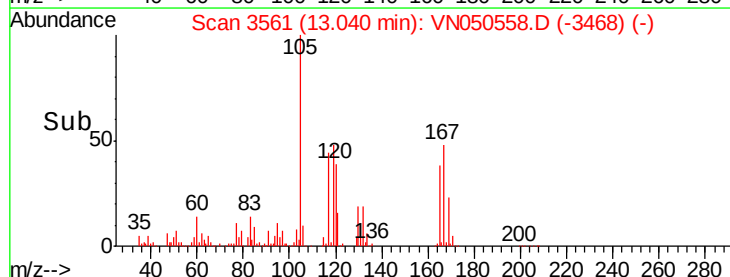
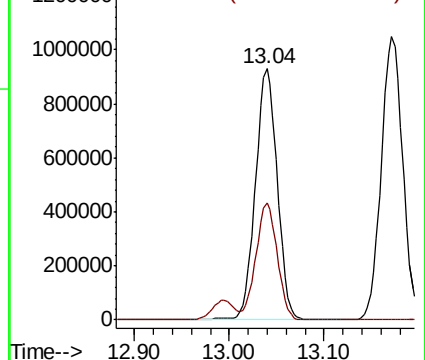
105 100

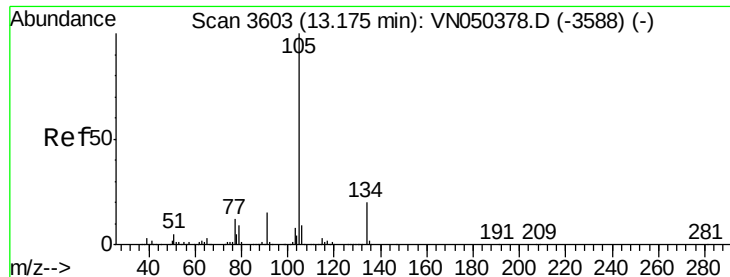
120 45.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.65 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

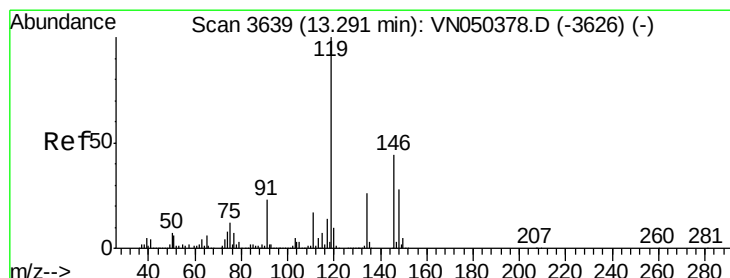
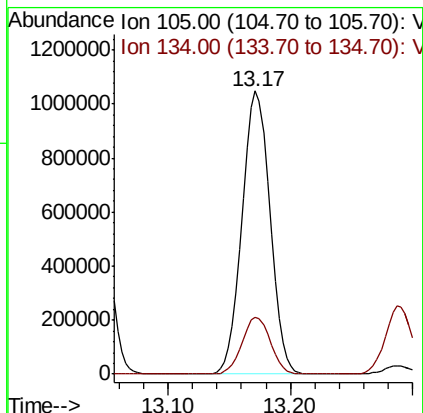
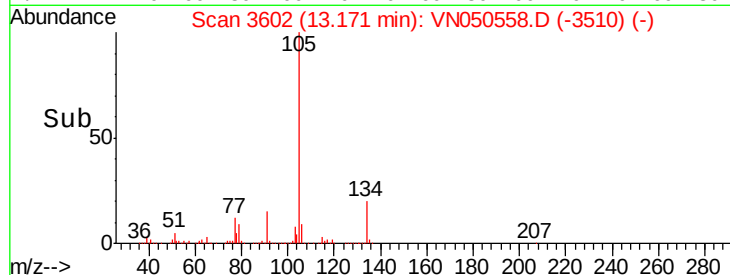
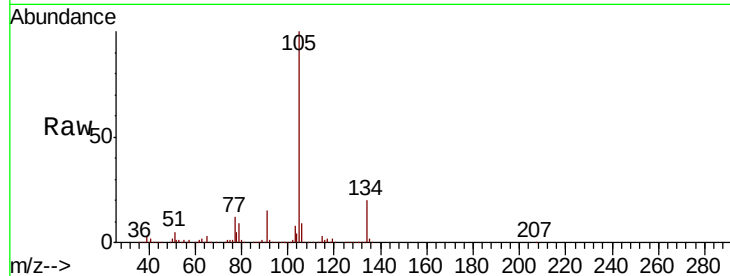
VSTDCCC050

Tot Ion:105 Resp: 1648914

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 51.62 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

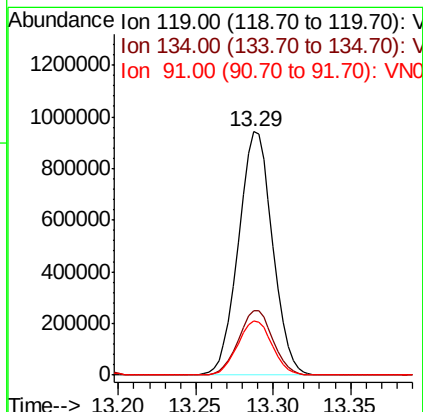
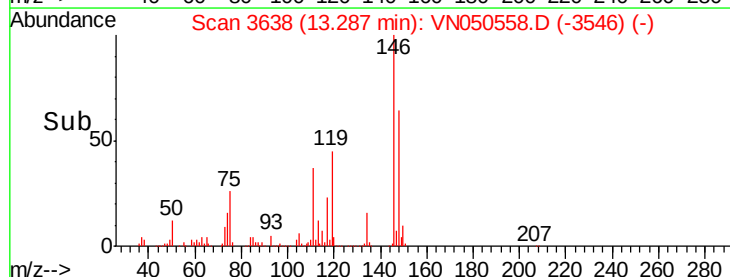
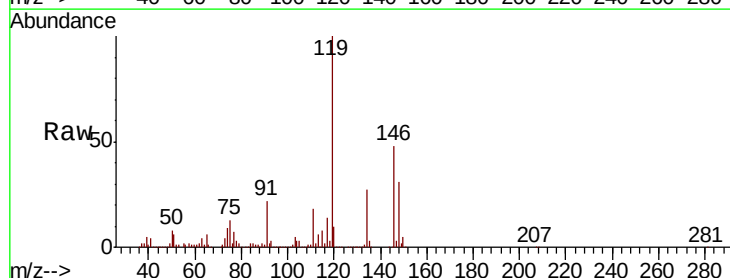
Tgt Ion:119 Resp: 1440003

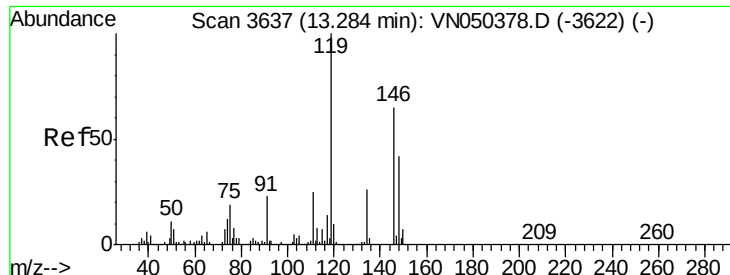
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 48.43 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

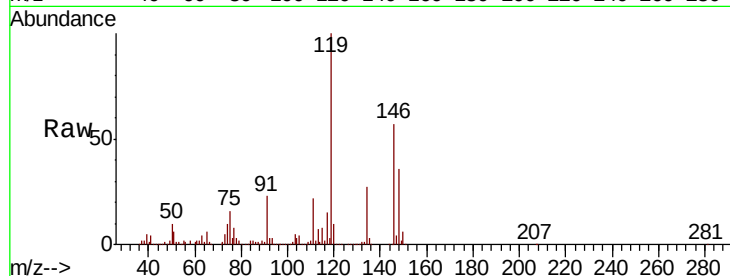
Tot Ion:146 Resp: 797058

Ion Ratio Lower Upper

146 100

111 38.1 18.8 56.4

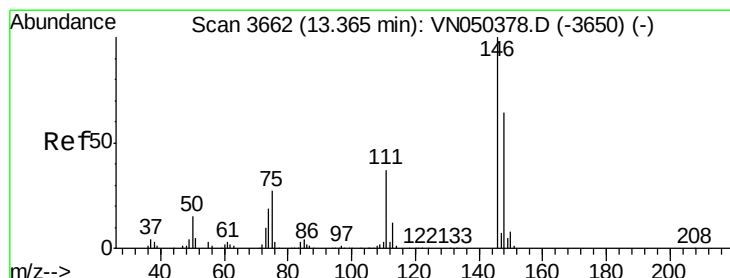
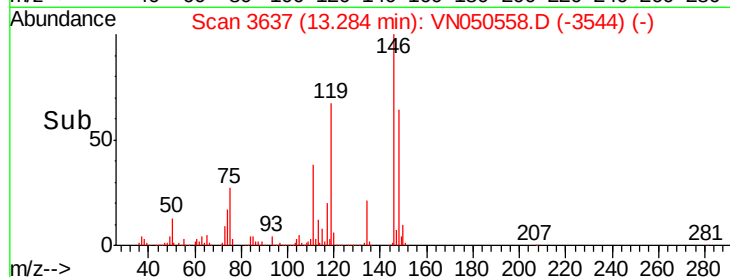
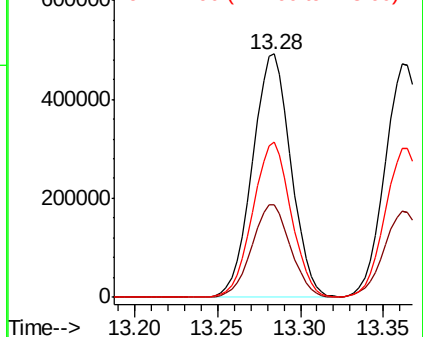
148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.34 ug/l

RT: 13.36 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

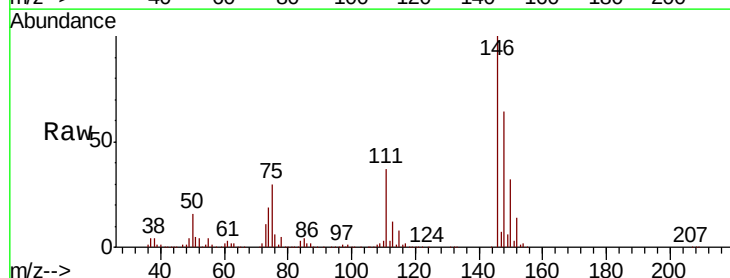
Tgt Ion:146 Resp: 778010

Ion Ratio Lower Upper

146 100

111 36.9 18.3 54.9

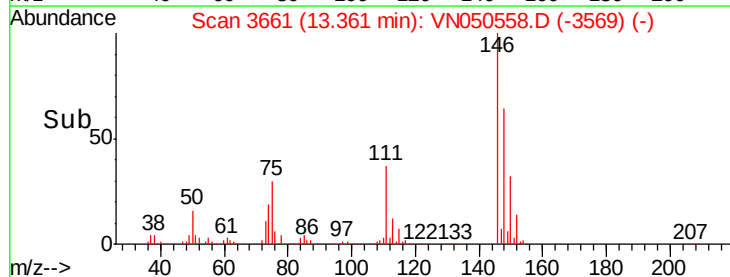
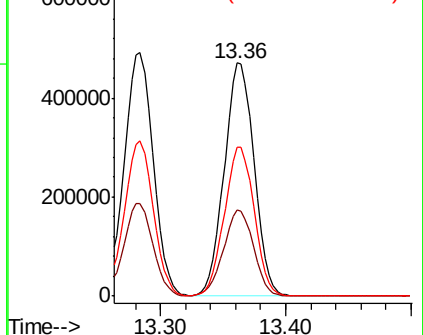
148 63.8 31.9 95.9



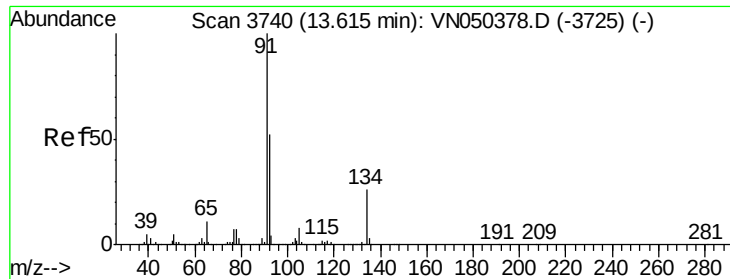
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



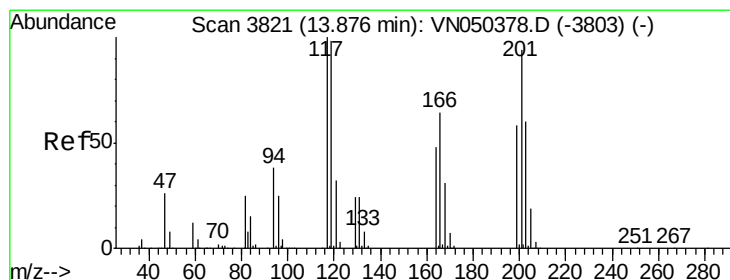
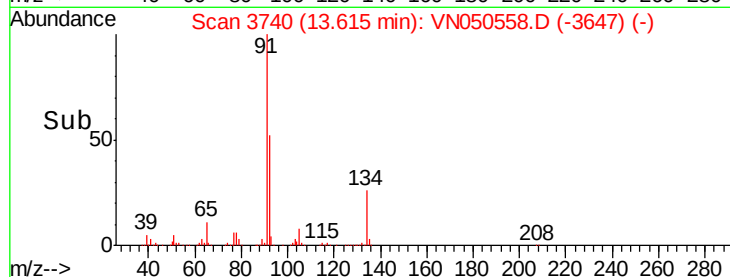
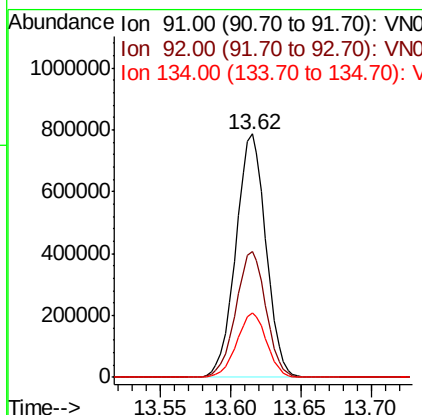
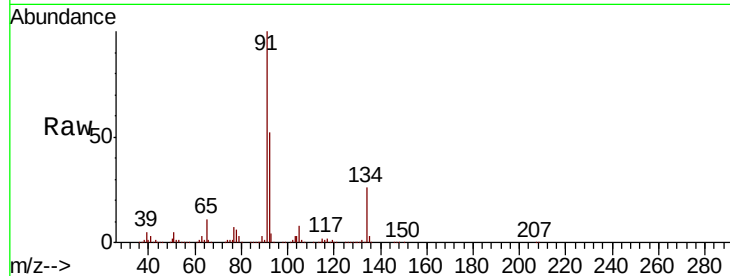




#89  
n-Butylbenzene  
Concen: 49.46 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

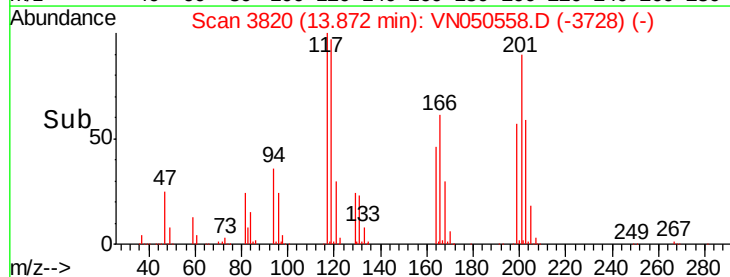
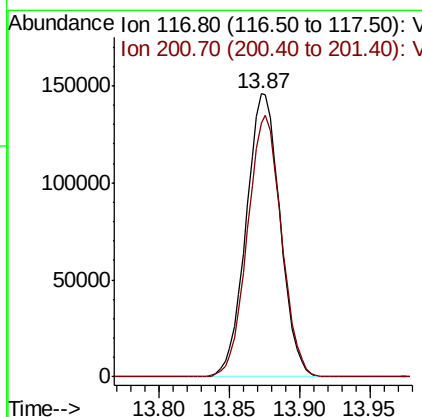
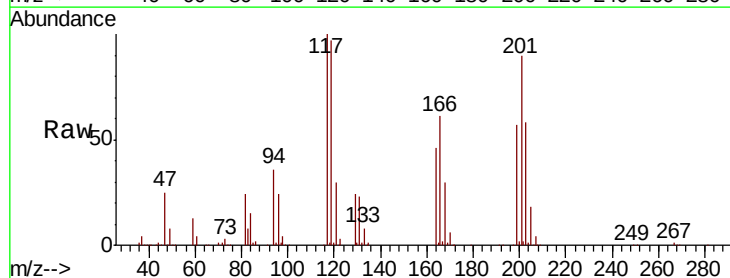
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

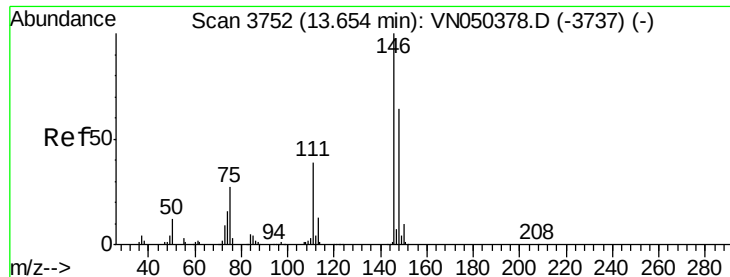
Tot Ion: 91 Resp: 1174613  
Ion Ratio Lower Upper  
91 100  
92 51.9 25.8 77.4  
134 26.2 12.8 38.4



#90  
Hexachloroethane  
Concen: 49.66 ug/l  
RT: 13.87 min Scan# 3820  
Delta R.T. -0.00 min  
Lab File: VN050558.D  
Acq: 13 Aug 2018 10:48

Tgt Ion: 117 Resp: 246341  
Ion Ratio Lower Upper  
117 100  
201 92.1 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 45.95 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050

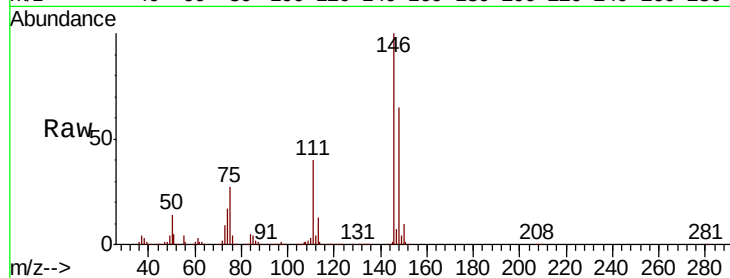
Tot Ion:146 Resp: 757976

Ion Ratio Lower Upper

146 100

111 40.2 19.6 58.7

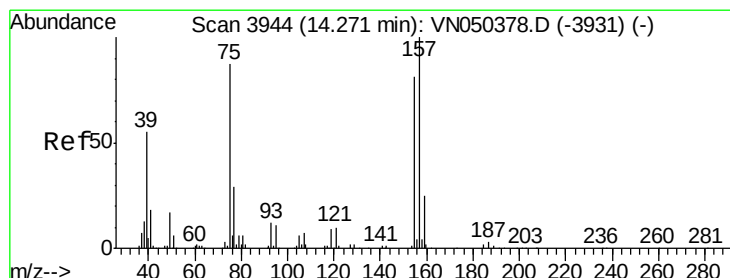
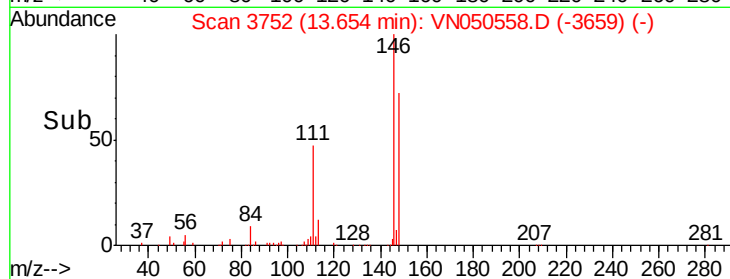
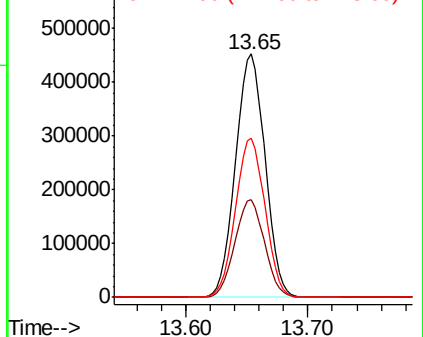
148 65.1 32.1 96.3



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: 37.07 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

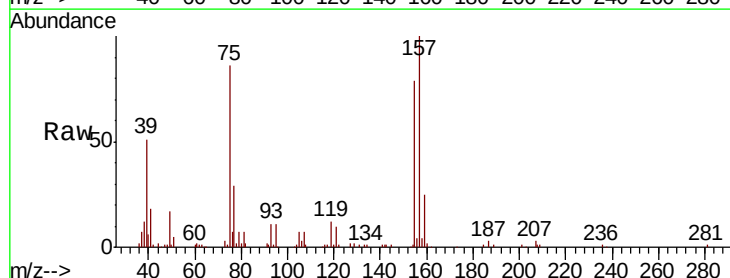
Tgt Ion: 75 Resp: 62632

Ion Ratio Lower Upper

75 100

155 90.3 44.8 134.4

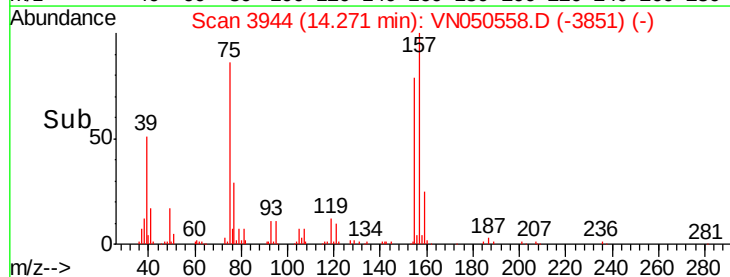
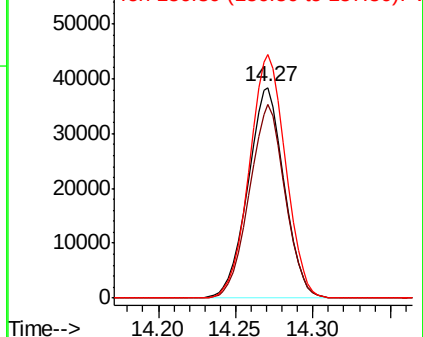
157 115.7 57.2 171.6

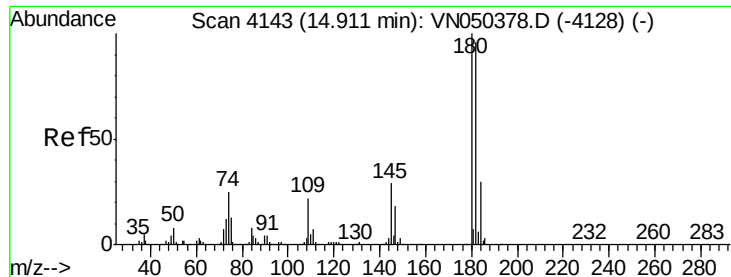


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

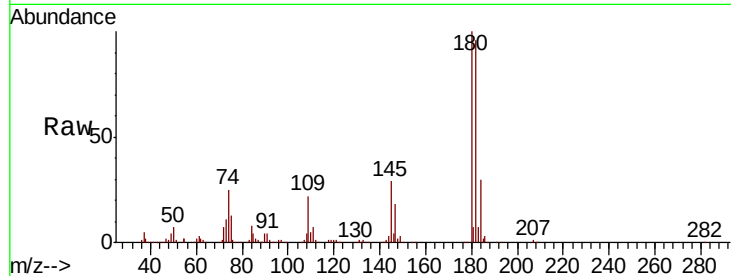




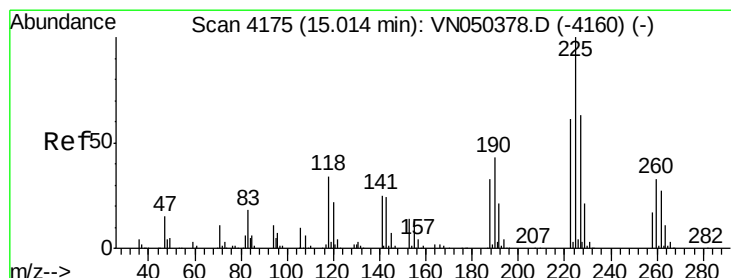
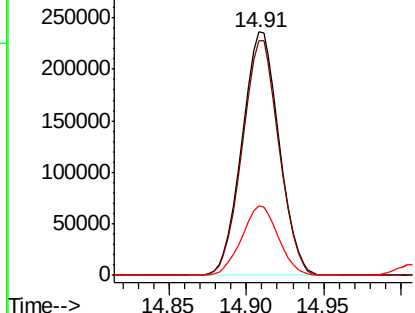
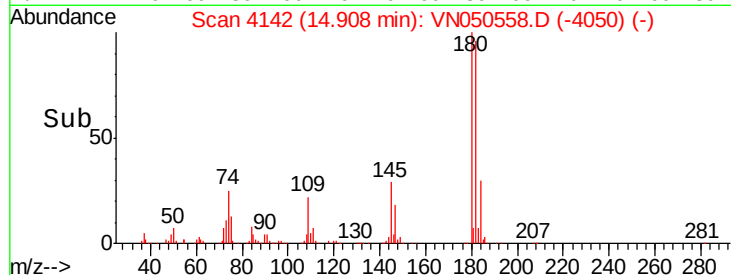
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.86 ug/l  
 RT: 14.91 min Scan# 4142  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:180 Resp: 393733  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 46.7 140.1  
 145 28.3 13.8 41.4

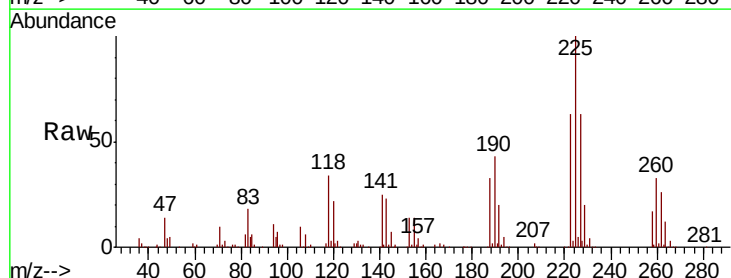


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

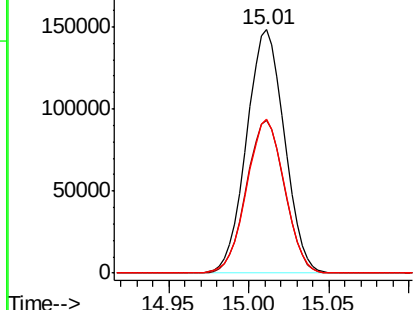
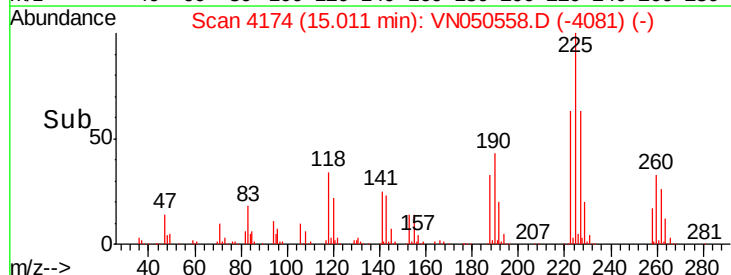


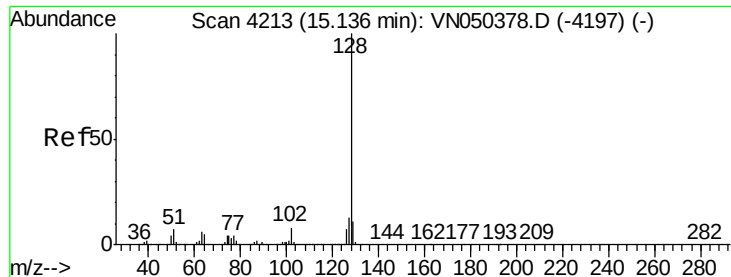
#94  
 Hexachlorobutadiene  
 Concen: 52.37 ug/l  
 RT: 15.01 min Scan# 4174  
 Delta R.T. -0.00 min  
 Lab File: VN050558.D  
 Acq: 13 Aug 2018 10:48

Tgt Ion:225 Resp: 240026  
 Ion Ratio Lower Upper  
 225 100  
 223 63.3 31.4 94.2  
 227 63.3 32.1 96.5



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





#95

Naphthalene

Concen: 37.91 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Instrument :

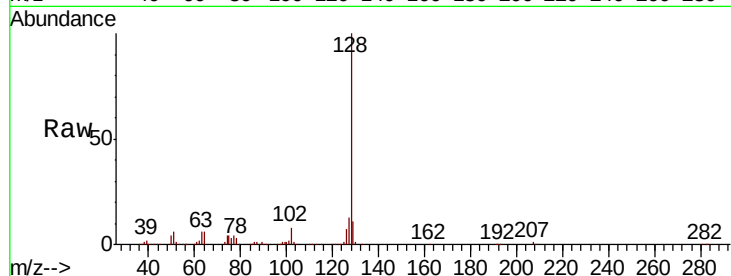
MSVOA\_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 822326

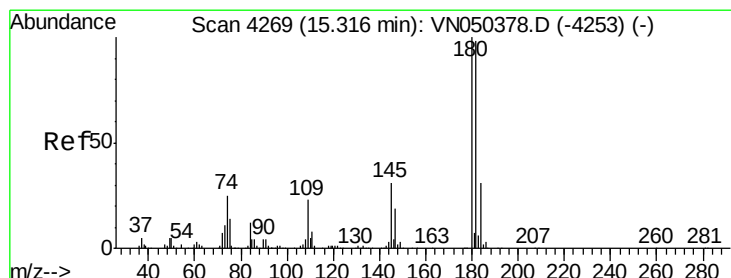
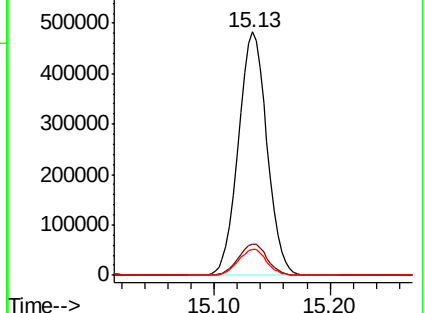
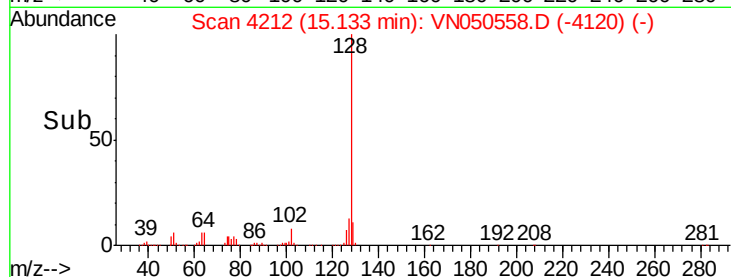
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.4  | 15.6  |
| 129 | 10.6  | 8.8   | 13.2  |



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 44.29 ug/l

RT: 15.32 min Scan# 4269

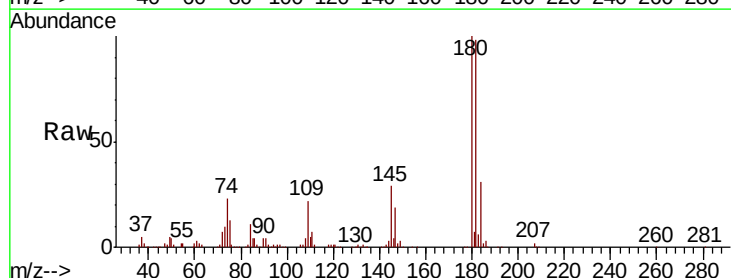
Delta R.T. -0.00 min

Lab File: VN050558.D

Acq: 13 Aug 2018 10:48

Tgt Ion:180 Resp: 376249

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.0  | 48.1  | 144.4 |
| 145 | 29.9  | 15.3  | 45.9  |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

