

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\  
 Data File : VN050235.D  
 Acq On : 1 Aug 2018 9:21  
 Operator : MD\SY  
 Sample : VN0801WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBS01

Quant Time: Aug 02 00:49:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 739815   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1079950  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 976155   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 495660   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.03   | 65  | 500591   | 48.50 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.00%  |      |
| 35) Dibromofluoromethane  | 7.59   | 113 | 452804   | 51.35 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.70% |      |
| 50) Toluene-d8            | 10.09  | 98  | 1645205  | 50.75 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.50% |      |
| 62) 4-Bromofluorobenzene  | 12.40  | 95  | 543213   | 50.89 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.78% |      |

## Target Compounds

|                               |      |     |         |        |      | Qvalue |
|-------------------------------|------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 204167  | 19.21  | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 199533  | 17.27  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.18 | 62  | 216437  | 17.79  | ug/l | 96     |
| 5) Bromomethane               | 2.56 | 94  | 79784   | 11.03  | ug/l | 99     |
| 6) Chloroethane               | 2.70 | 64  | 125566  | 17.18  | ug/l | 100    |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 296344  | 18.80  | ug/l | 97     |
| 8) Diethyl Ether              | 3.41 | 74  | 98883   | 18.82  | ug/l | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.75 | 101 | 185503  | 19.57  | ug/l | 100    |
| 10) Methyl Iodide             | 3.95 | 142 | 106430  | 8.75   | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.80 | 59  | 74892   | 98.61  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 3.73 | 96  | 157403  | 18.46  | ug/l | 96     |
| 13) Acrolein                  | 3.61 | 56  | 33066   | 54.19  | ug/l | 94     |
| 14) Allyl chloride            | 4.32 | 41  | 254938  | 19.28  | ug/l | 98     |
| 15) Acrylonitrile             | 4.99 | 53  | 322633  | 97.37  | ug/l | 100    |
| 16) Acetone                   | 3.82 | 43  | 283621  | 114.29 | ug/l | 97     |
| 17) Carbon Disulfide          | 4.05 | 76  | 438675  | 16.79  | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 234026  | 23.90  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 454001  | 19.98  | ug/l | 99     |
| 20) Methylene Chloride        | 4.55 | 84  | 186414  | 19.61  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.04 | 96  | 170325  | 18.85  | ug/l | 98     |
| 22) Diisopropyl ether         | 5.96 | 45  | 552735  | 21.08  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.90 | 43  | 1784840 | 96.34  | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.85 | 63  | 329742  | 19.23  | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 410022  | 104.14 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 275951  | 21.16  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.83 | 96  | 192449  | 19.79  | ug/l | 99     |
| 28) Bromochloromethane        | 7.20 | 49  | 163383  | 20.90  | ug/l | 100    |
| 29) Tetrahydrofuran           | 7.21 | 42  | 254683  | 100.11 | ug/l | 99     |
| 30) Chloroform                | 7.37 | 83  | 341141  | 19.50  | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 271762  | 19.07  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 282855  | 18.90  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 243293  | 20.00  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.93 | 43  | 169349  | 19.96  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 254043  | 19.68  | ug/l | 98     |

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 Data File : VN050235.D  
 Acq On : 1 Aug 2018 9:21  
 Operator : MD\SY  
 Sample : VN0801WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBS01

Quant Time: Aug 02 00:49:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 248204   | 19.83  | ug/l   | 97       |
| 40) Benzene                    | 8.04  | 78   | 742508   | 20.05  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 84606    | 20.85  | ug/l   | 86       |
| 42) 1,2-Dichloroethane         | 8.13  | 62   | 242367   | 19.62  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 339247   | 20.55  | ug/l   | 95       |
| 44) Trichloroethene            | 8.84  | 130  | 196255   | 19.73  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 199358   | 20.33  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 123704   | 20.32  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.40  | 83   | 257843   | 20.06  | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.20  | 41   | 148894   | 20.38  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 44309    | 445.66 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 875173   | 104.95 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 460650   | 21.08  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 254295   | 20.97  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 289800   | 20.91  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 177087   | 20.43  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 215056   | 19.60  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 290459   | 20.58  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 491551   | 95.07  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 602084   | 101.40 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 198346   | 20.67  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.01 | 107  | 169040   | 19.65  | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.63 | 164  | 183457   | 19.55  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.44 | 112  | 495631   | 20.10  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 191262   | 20.19  | ug/l   | 100      |
| 67) Ethyl Benzene              | 11.51 | 91   | 820240   | 20.71  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 644059   | 42.99  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 301136   | 21.08  | ug/l   | 99       |
| 70) Styrene                    | 11.97 | 104  | 491654   | 19.92  | ug/l   | 99       |
| 71) Bromoform                  | 12.13 | 173  | 136405   | 19.79  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 815719   | 21.22  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 232907   | 19.82  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.51 | 83   | 228885   | 21.28  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 274948   | 29.85  | ug/l # | 100      |
| 77) Bromobenzene               | 12.53 | 156  | 209188   | 19.63  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 942384   | 21.93  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.68 | 91   | 569705   | 21.39  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 675104   | 22.33  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 59158    | 20.37  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 574393   | 21.78  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 574606   | 21.78  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 680485   | 22.33  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 13.17 | 105  | 777688   | 22.06  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 672038   | 22.62  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 369578   | 20.46  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 359482   | 20.42  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.62 | 91   | 525708   | 21.52  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.88 | 117  | 130230   | 19.74  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 361729   | 20.04  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 33212    | 18.89  | ug/l   | 97       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\  
Data File : VN050235.D  
Acq On : 1 Aug 2018 9:21  
Operator : MD\SY  
Sample : VN0801WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 4 Sample Multiplier: 1

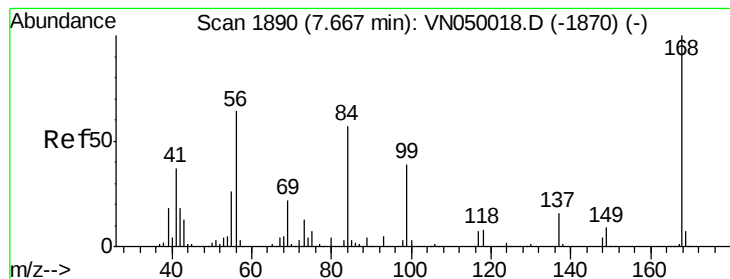
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

Quant Time: Aug 02 00:49:56 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 159701   | 18.74 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 116349   | 21.05 | ug/l  | 100      |
| 95) Naphthalene            | 15.14 | 128  | 327117   | 17.59 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.32 | 180  | 165330   | 19.15 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

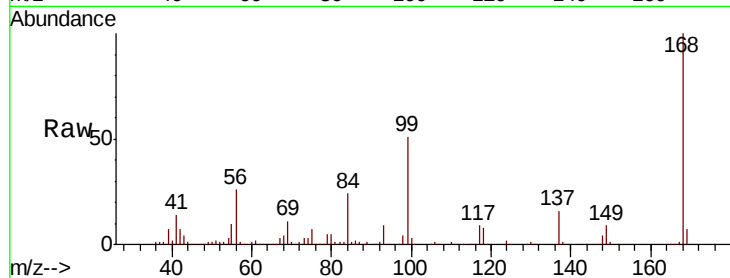
VN0801WBS01

Tot Ion:168 Resp: 739815

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

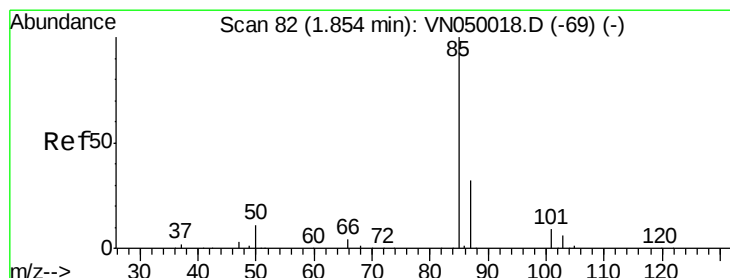
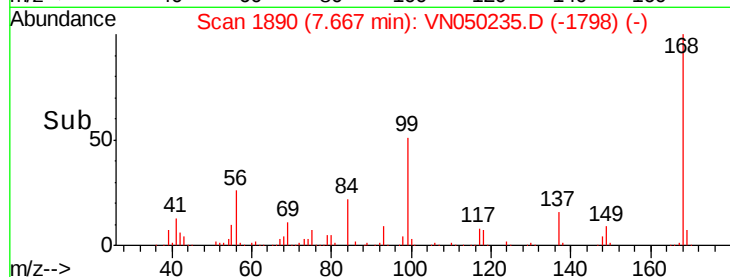
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.21 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050235.D

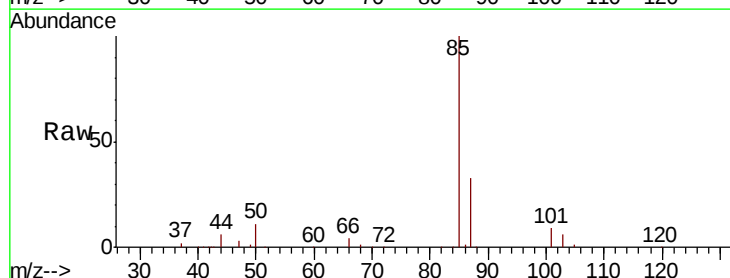
Acq: 1 Aug 2018 9:21

Tgt Ion: 85 Resp: 204167

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

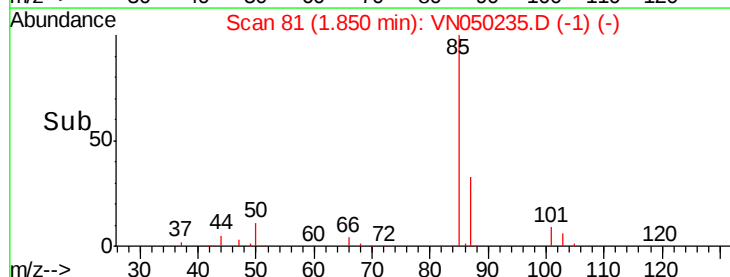
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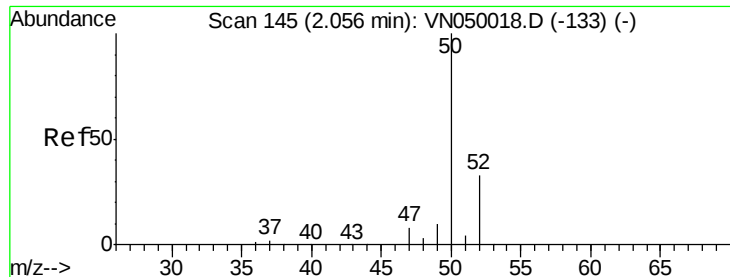
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 17.27 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

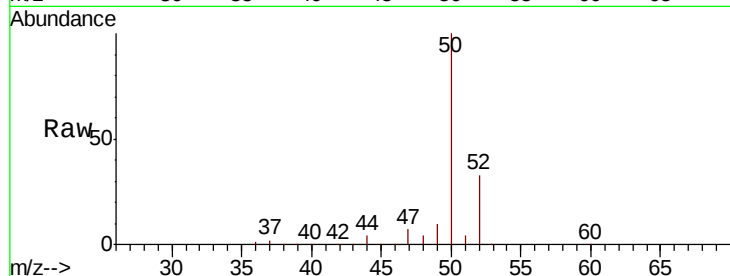
VN0801WBS01

Tot Ion: 50 Resp: 199533

Ion Ratio Lower Upper

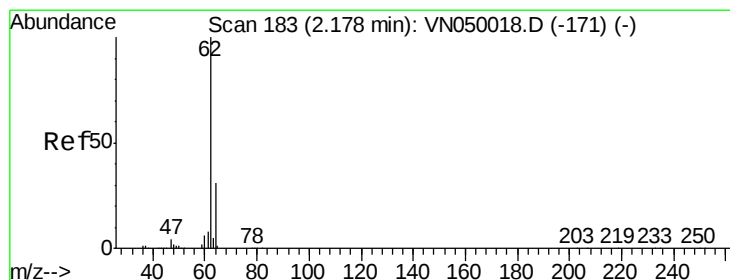
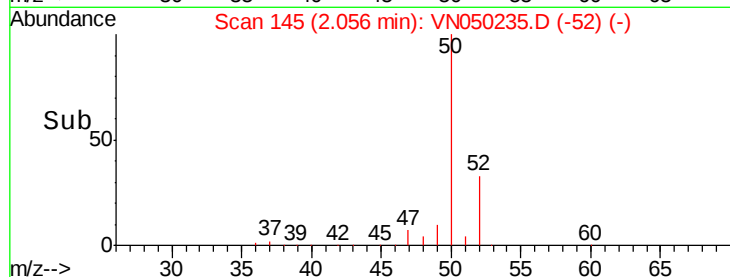
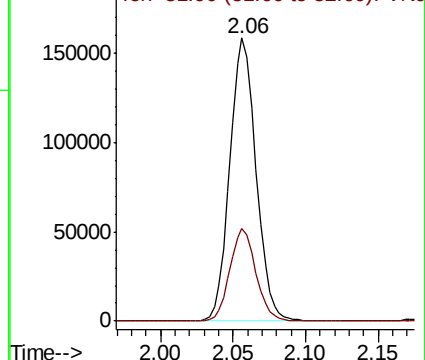
50 100

52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.79 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050235.D

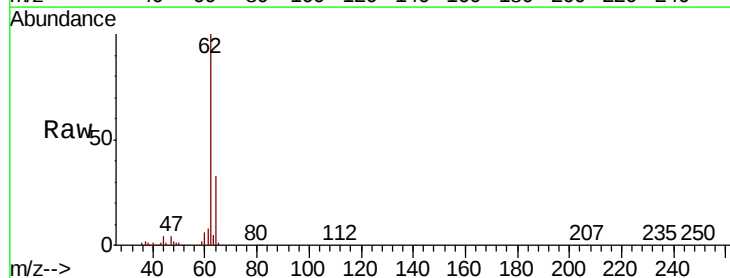
Acq: 1 Aug 2018 9:21

Tgt Ion: 62 Resp: 216437

Ion Ratio Lower Upper

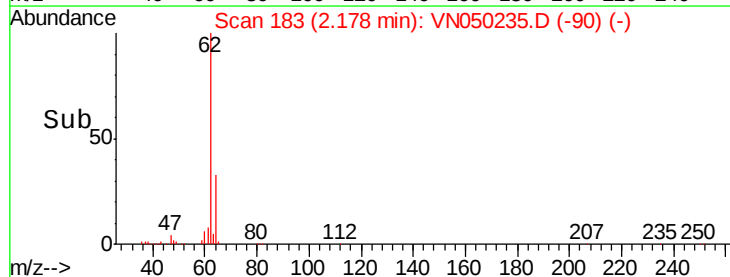
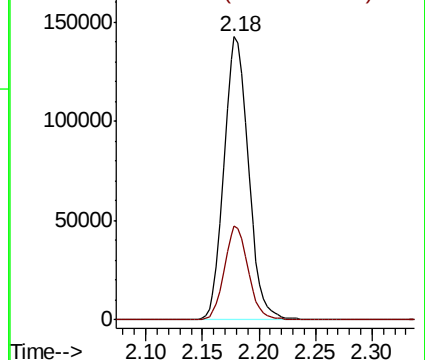
62 100

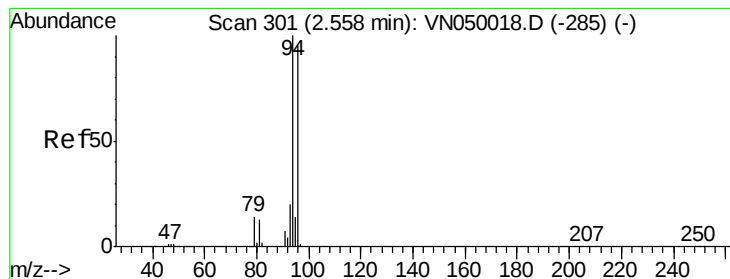
64 33.1 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 11.03 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

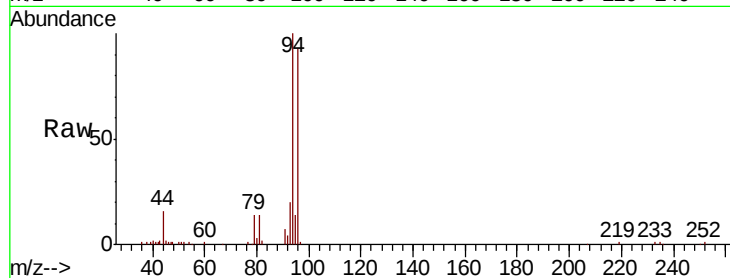
VN0801WBS01

Tot Ion: 94 Resp: 79784

Ion Ratio Lower Upper

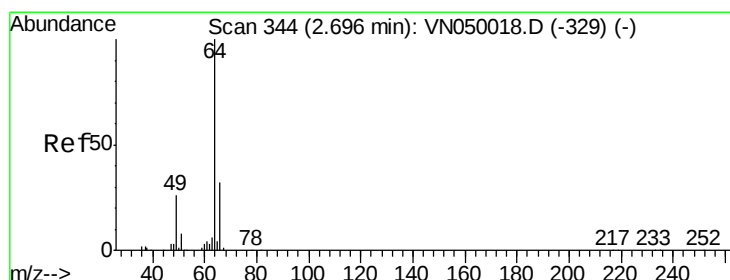
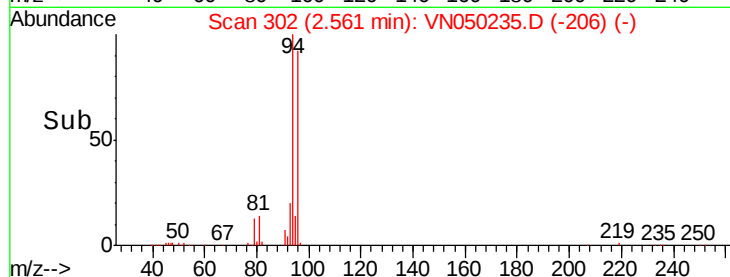
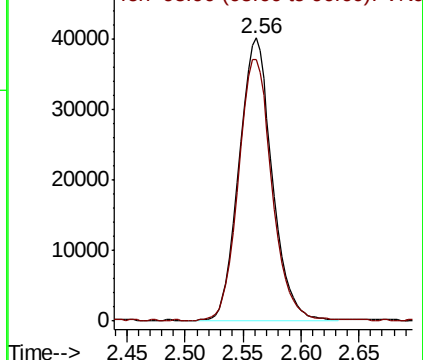
94 100

96 92.5 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.18 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050235.D

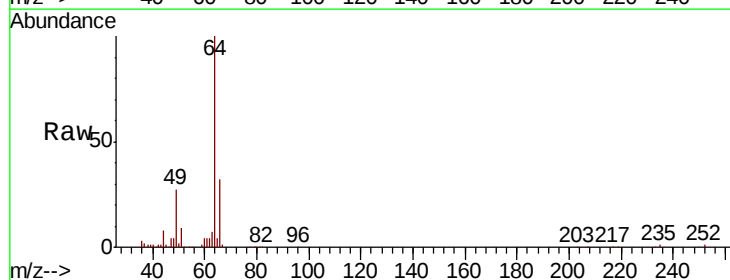
Acq: 1 Aug 2018 9:21

Tgt Ion: 64 Resp: 125566

Ion Ratio Lower Upper

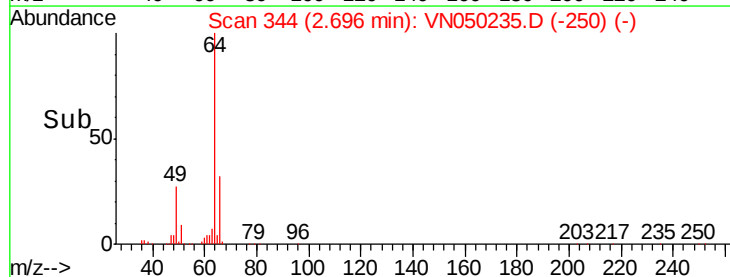
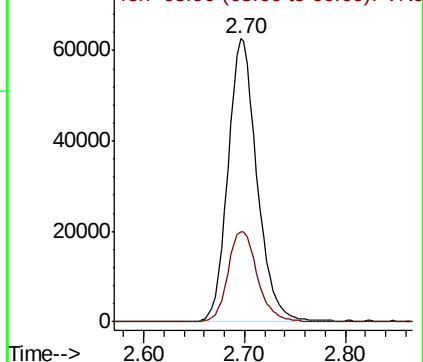
64 100

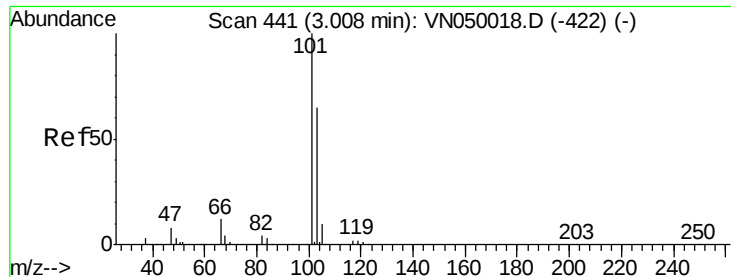
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



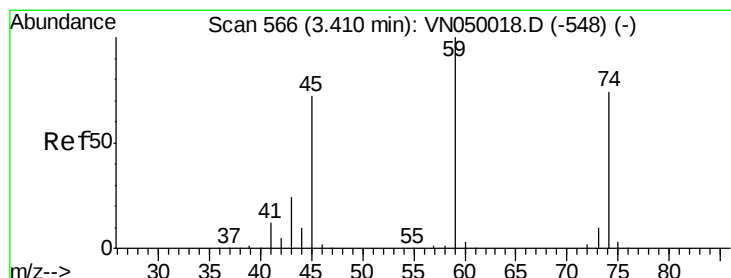
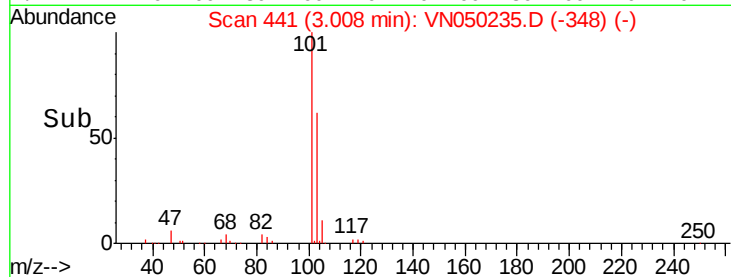
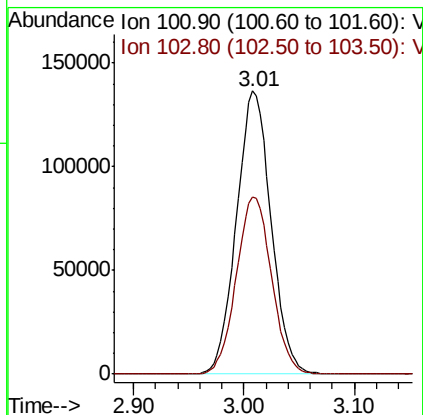
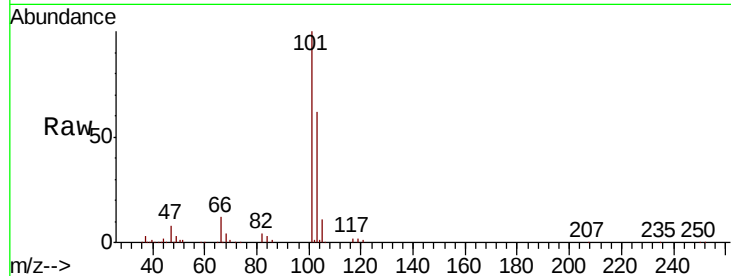


#7

Trichlorofluoromethane  
 Concen: 18.80 ug/l  
 RT: 3.01 min Scan# 441  
 Delta R.T. 0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBS01

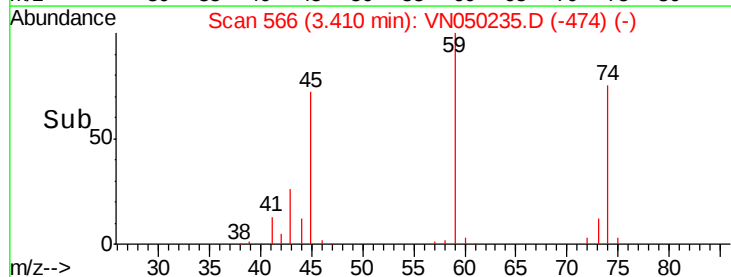
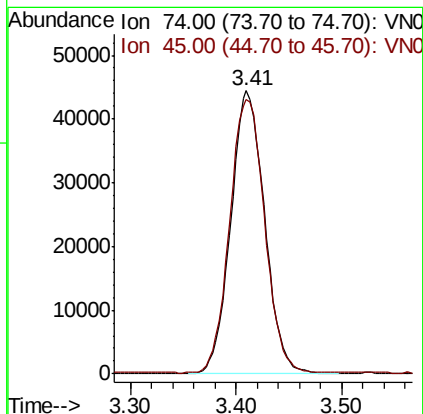
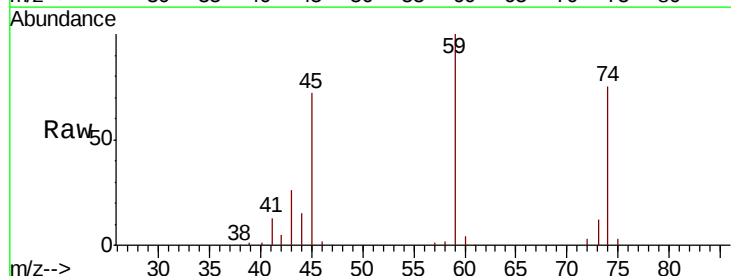
Tot Ion:101 Resp: 296344  
 Ion Ratio Lower Upper  
 101 100  
 103 62.4 51.7 77.5

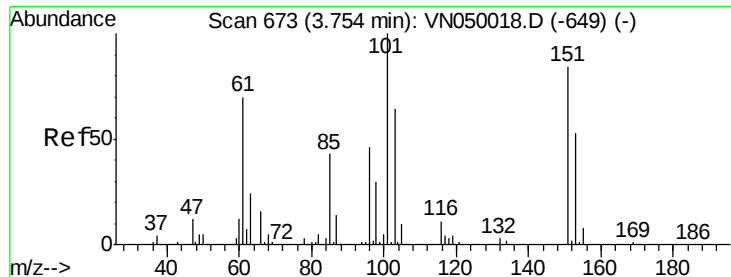


#8

Diethyl Ether  
 Concen: 18.82 ug/l  
 RT: 3.41 min Scan# 566  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 74 Resp: 98883  
 Ion Ratio Lower Upper  
 74 100  
 45 100.9 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.57 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

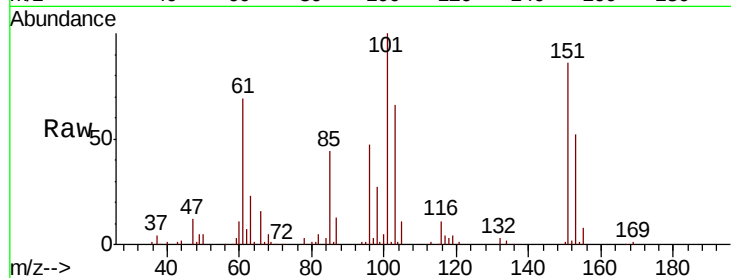
Tot Ion:101 Resp: 185503

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.2

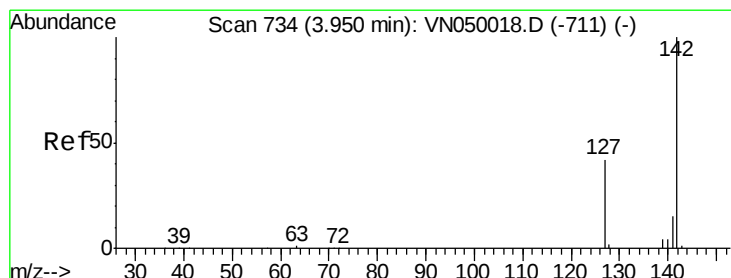
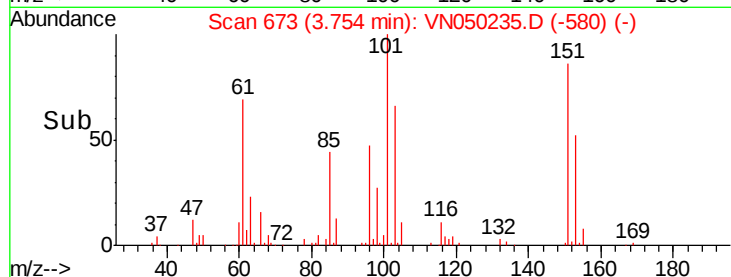
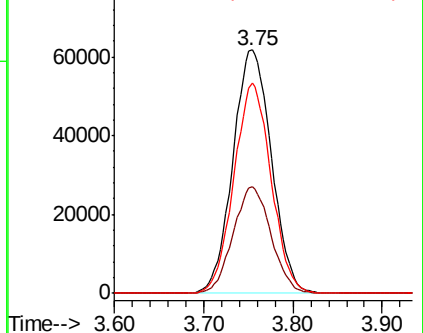
151 83.1 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.75 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

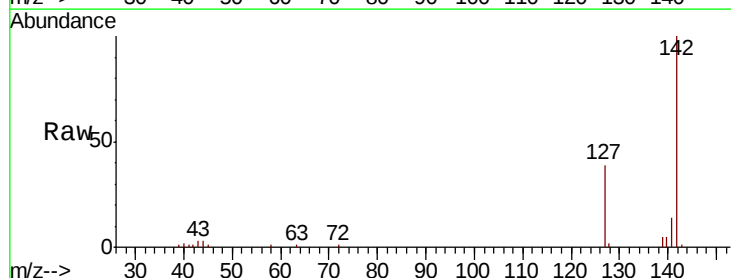
Tgt Ion:142 Resp: 106430

Ion Ratio Lower Upper

142 100

127 40.6 33.4 50.2

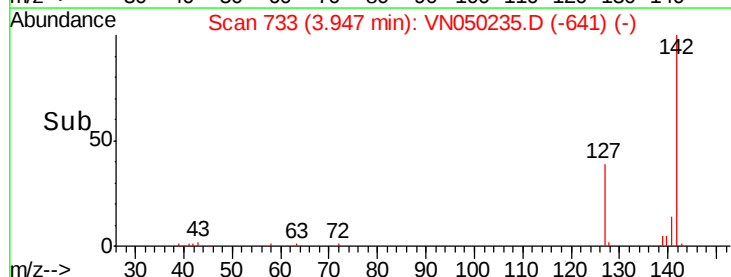
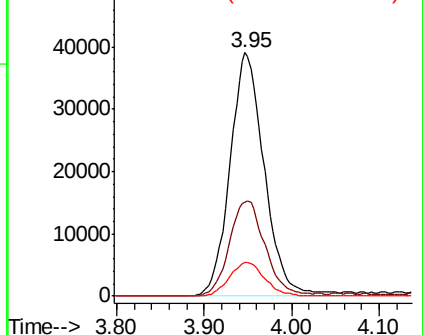
141 14.2 11.6 17.4

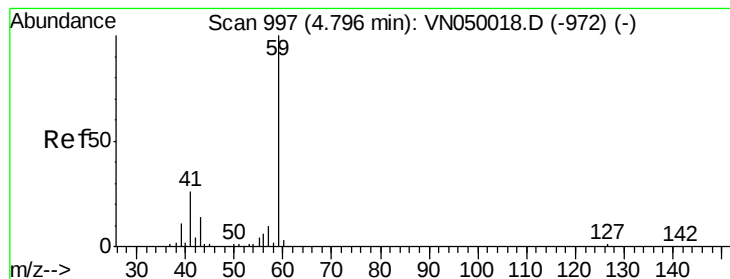


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



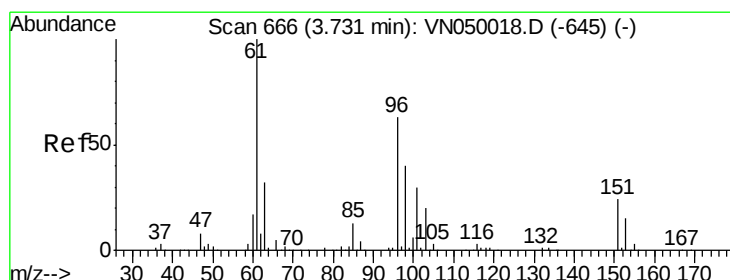
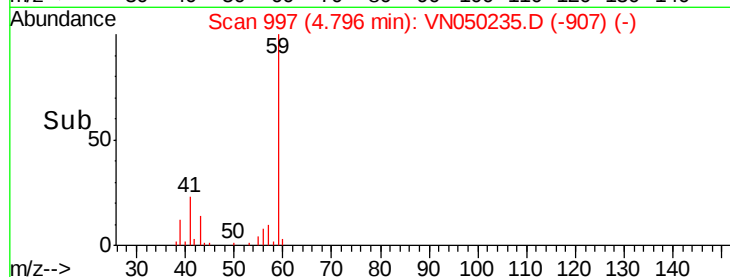
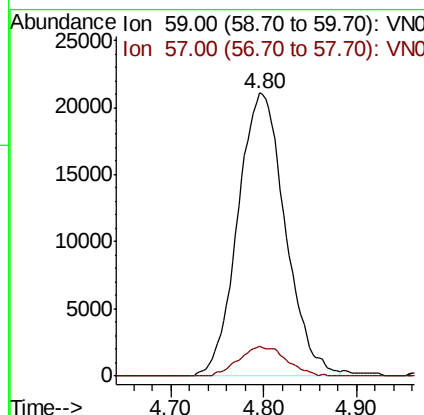
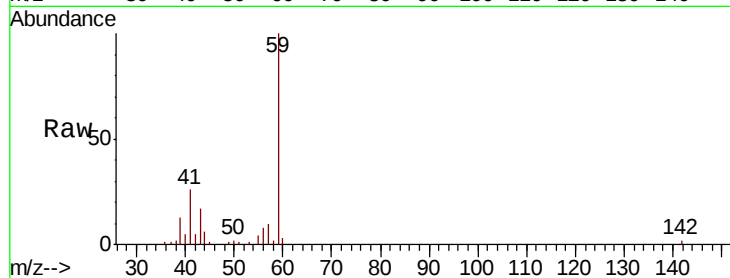


#11

Tert butyl alcohol  
 Concen: 98.61 ug/l  
 RT: 4.80 min Scan# 997  
 Delta R.T. -0.01 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0801WBS01

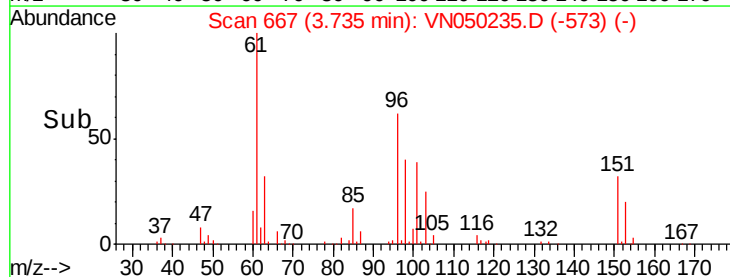
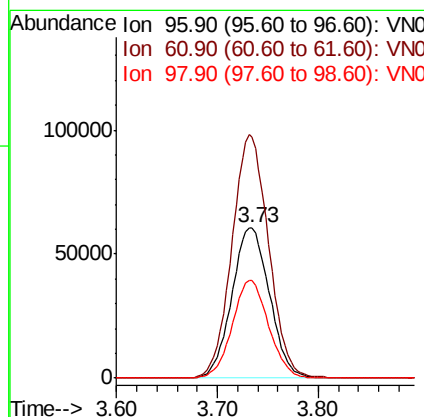
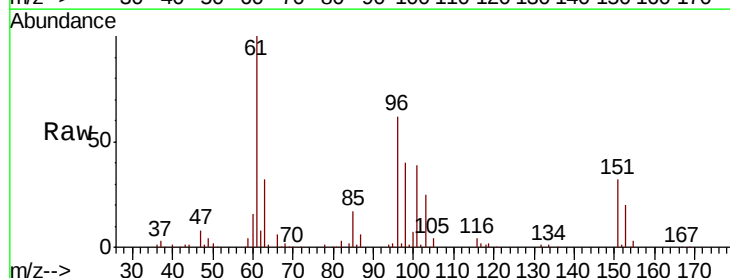
Tot Ion: 59 Resp: 74892  
 Ion Ratio Lower Upper  
 59 100  
 57 10.4 8.5 12.7

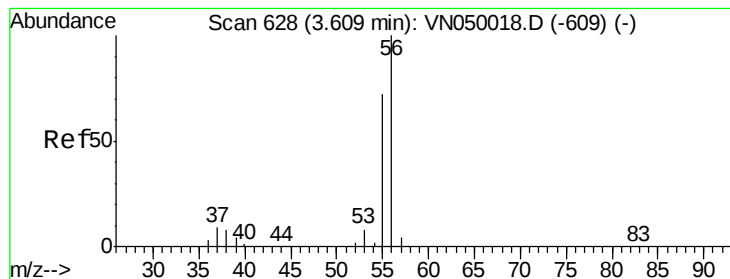


#12

1,1-Dichloroethene  
 Concen: 18.46 ug/l  
 RT: 3.73 min Scan# 667  
 Delta R.T. 0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 96 Resp: 157403  
 Ion Ratio Lower Upper  
 96 100  
 61 159.9 124.4 186.6  
 98 64.8 48.3 72.5





#13

Acrolein

Concen: 54.19 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

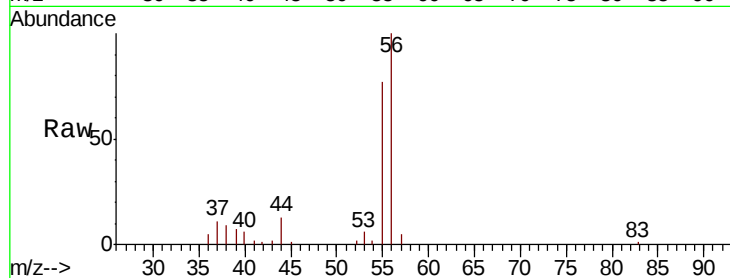
VN0801WBS01

Tot Ion: 56 Resp: 33066

Ion Ratio Lower Upper

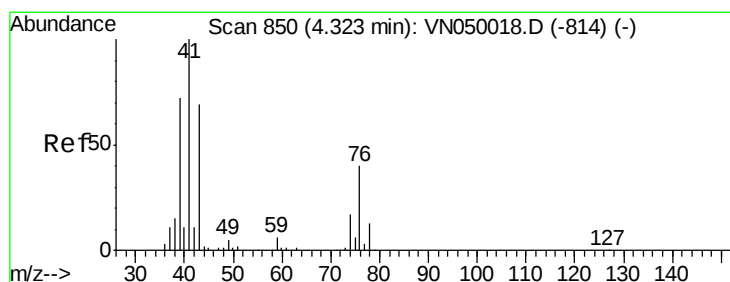
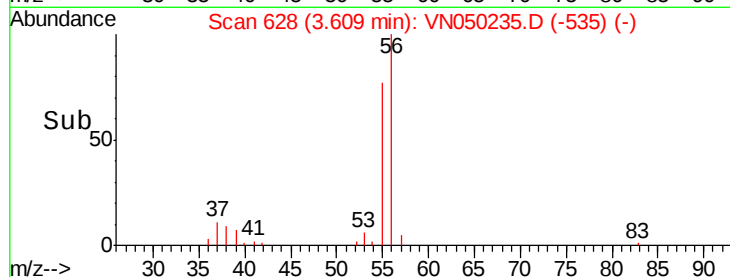
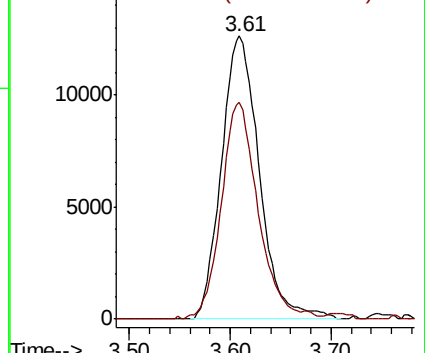
56 100

55 74.7 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.28 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

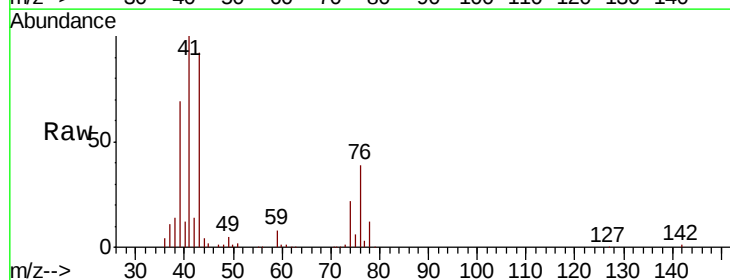
Tgt Ion: 41 Resp: 254938

Ion Ratio Lower Upper

41 100

39 66.3 54.2 81.4

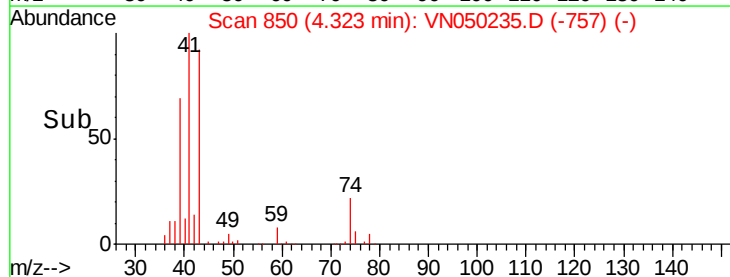
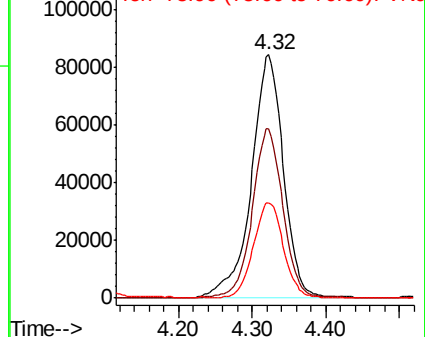
76 36.9 29.0 43.6

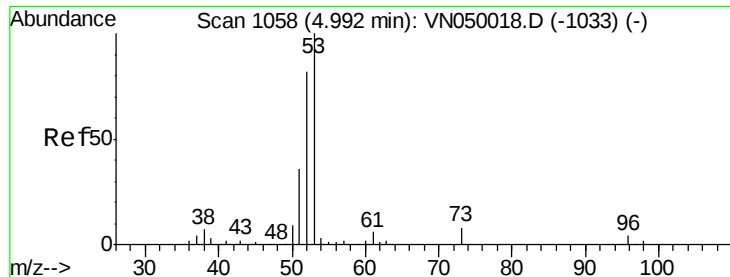


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 97.37 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

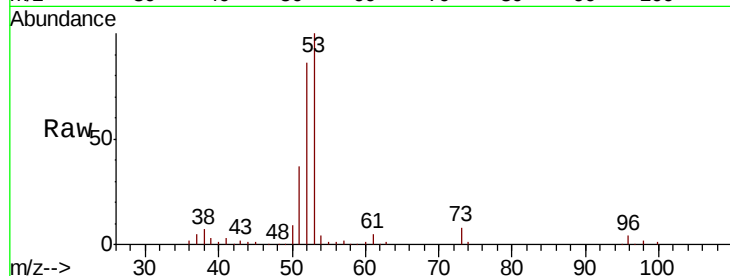
Tot Ion: 53 Resp: 322633

Ion Ratio Lower Upper

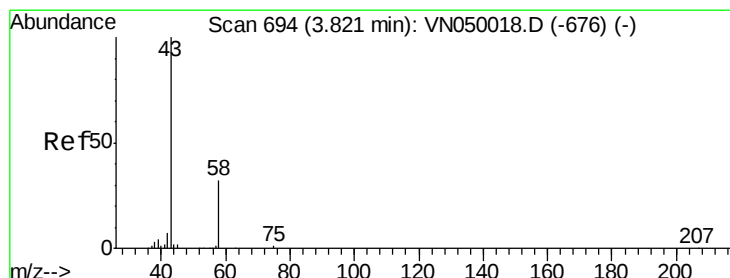
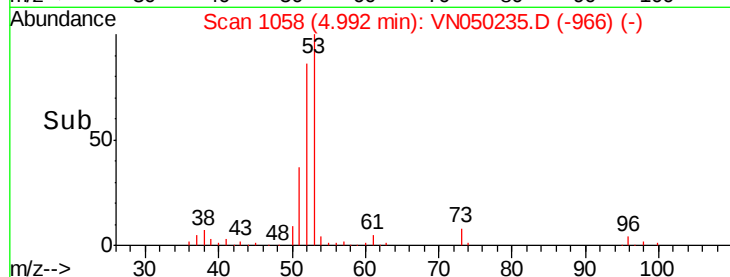
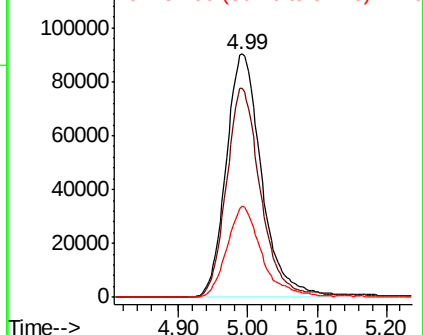
53 100

52 82.9 66.2 99.2

51 36.9 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: 114.29 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050235.D

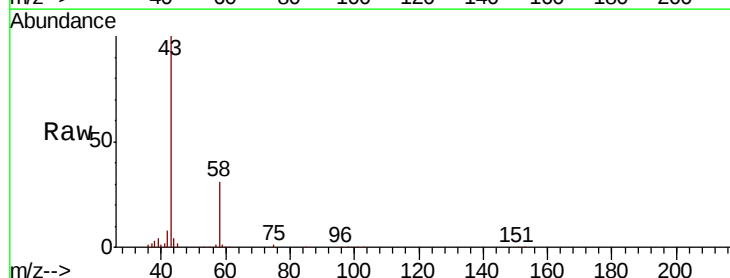
Acq: 1 Aug 2018 9:21

Tgt Ion: 43 Resp: 283621

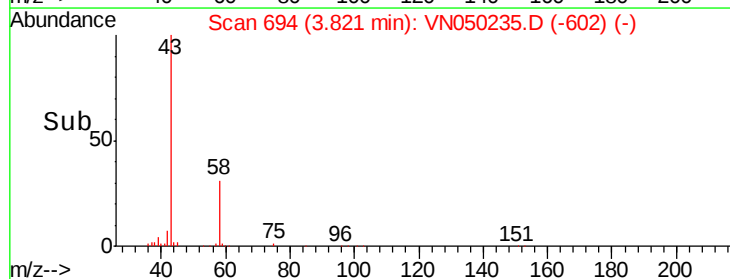
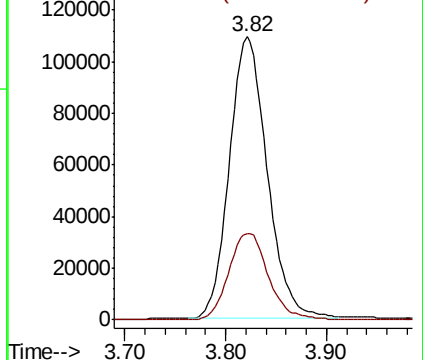
Ion Ratio Lower Upper

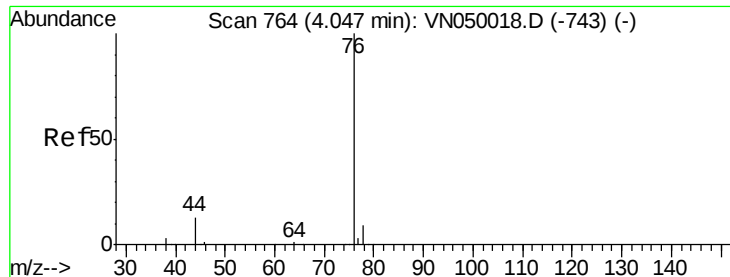
43 100

58 30.7 25.8 38.8



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

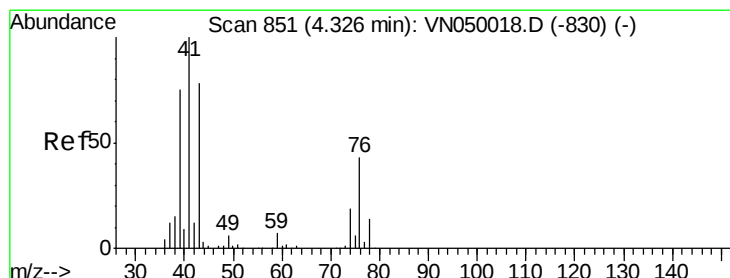
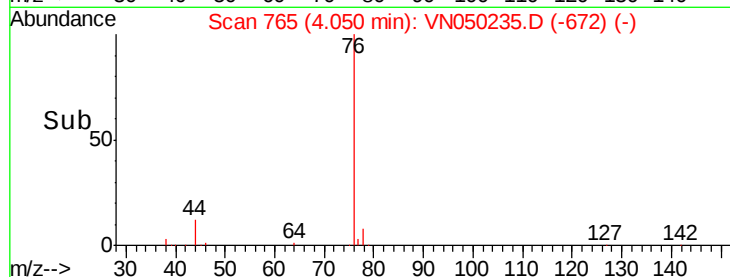
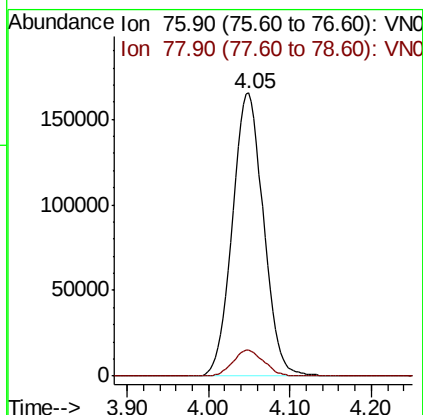
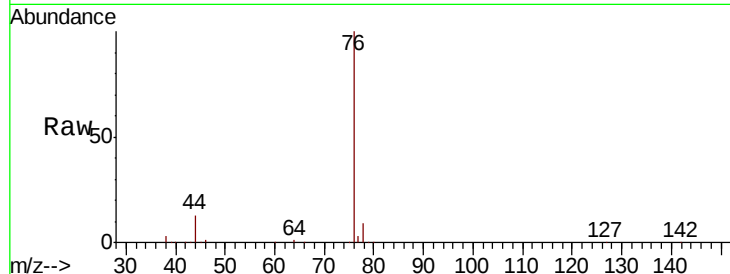




#17  
Carbon Disulfide  
Concen: 16.79 ug/l  
RT: 4.05 min Scan# 765  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

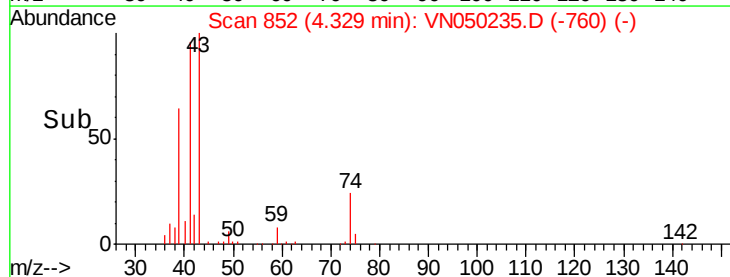
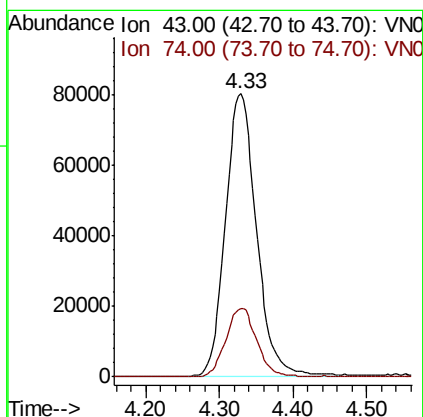
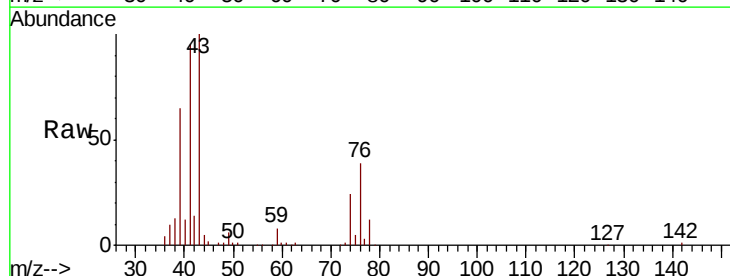
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

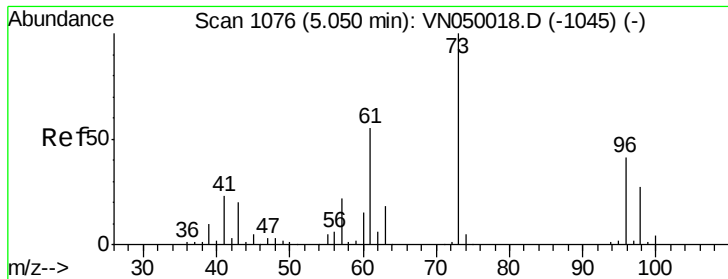
Tot Ion: 76 Resp: 438675  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9



#18  
Methyl Acetate  
Concen: 23.90 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Tgt Ion: 43 Resp: 234026  
Ion Ratio Lower Upper  
43 100  
74 24.2 19.2 28.8

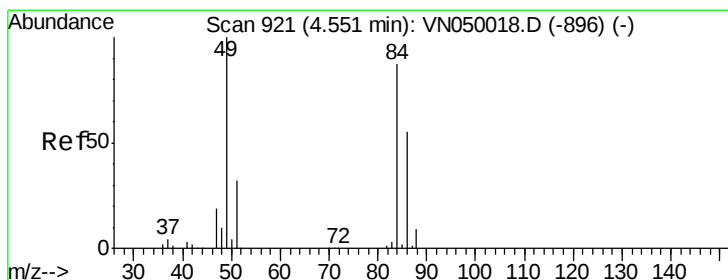
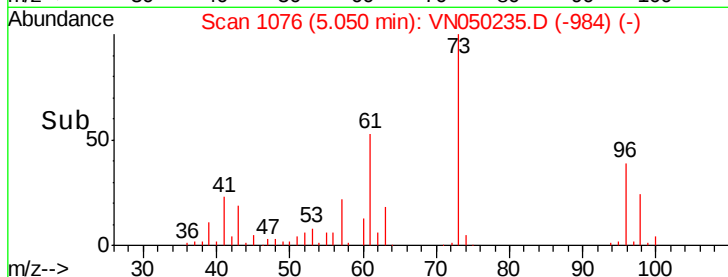
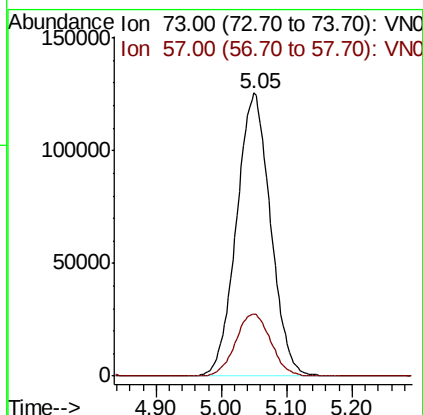
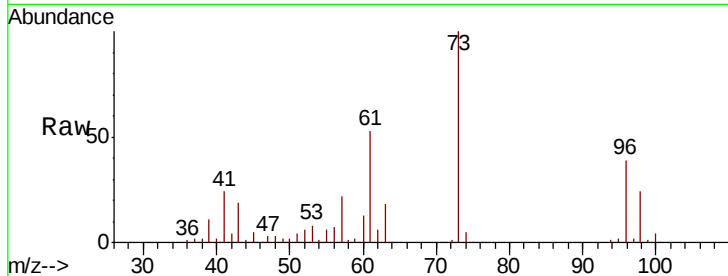




#19  
Methyl tert-butyl Ether  
Concen: 19.98 ug/l  
RT: 5.05 min Scan# 1076  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

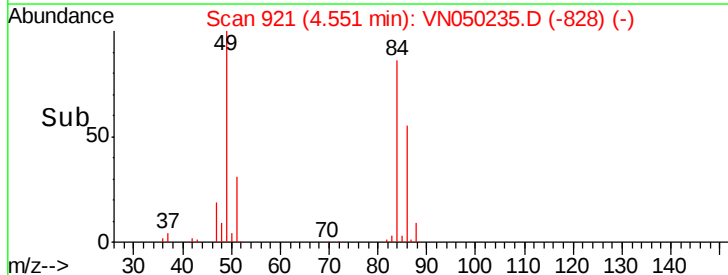
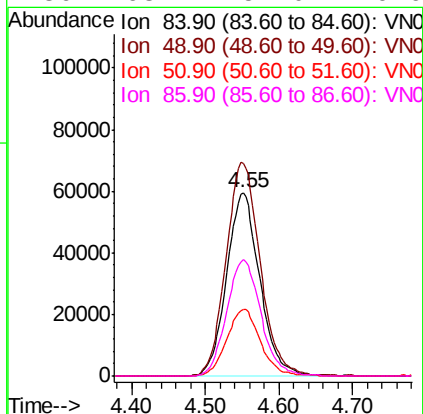
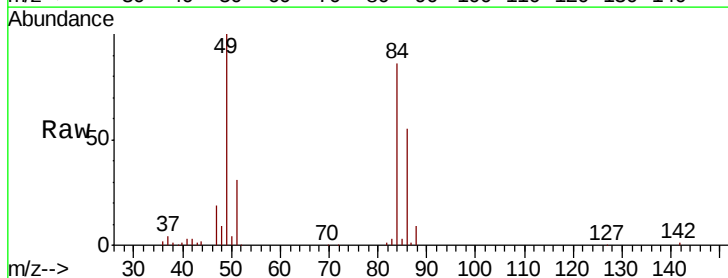
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

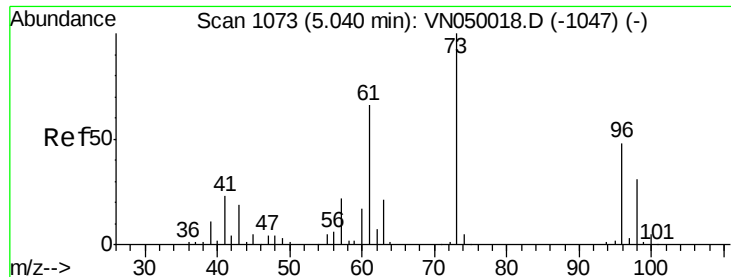
Tot Ion: 73 Resp: 454001  
Ion Ratio Lower Upper  
73 100  
57 22.0 18.0 27.0



#20  
Methylene Chloride  
Concen: 19.61 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Tgt Ion: 84 Resp: 186414  
Ion Ratio Lower Upper  
84 100  
49 115.6 94.8 142.2  
51 36.3 28.3 42.5  
86 63.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.85 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

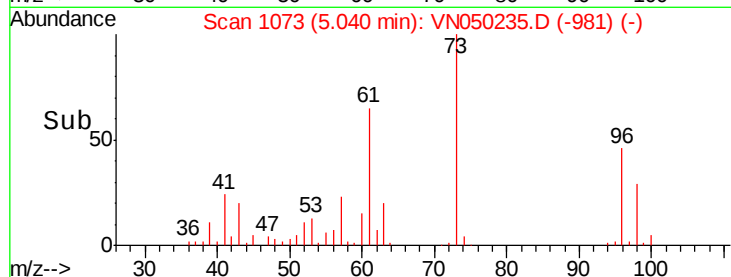
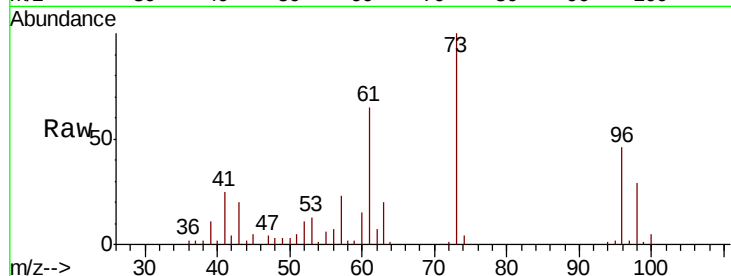
Tot Ion: 96 Resp: 170325

Ion Ratio Lower Upper

96 100

61 140.4 110.7 166.1

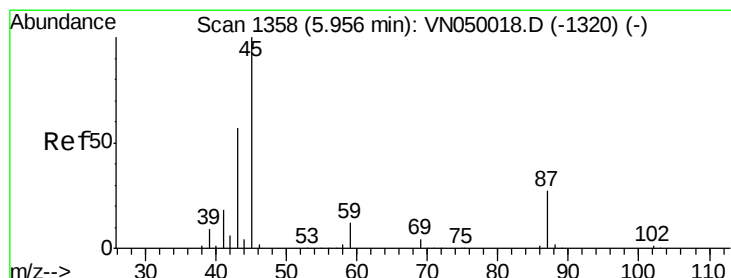
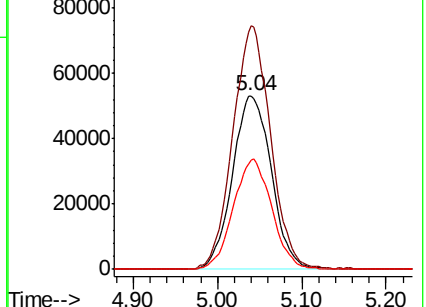
98 62.8 51.6 77.4



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: 21.08 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Tgt Ion: 45 Resp: 552735

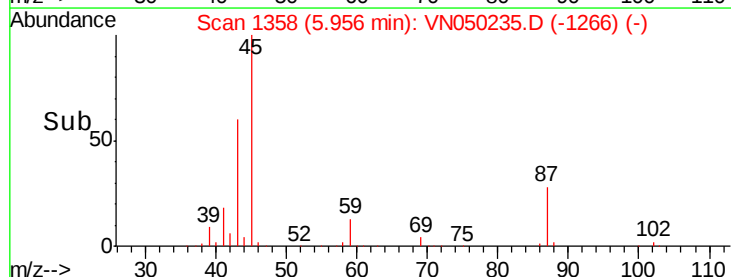
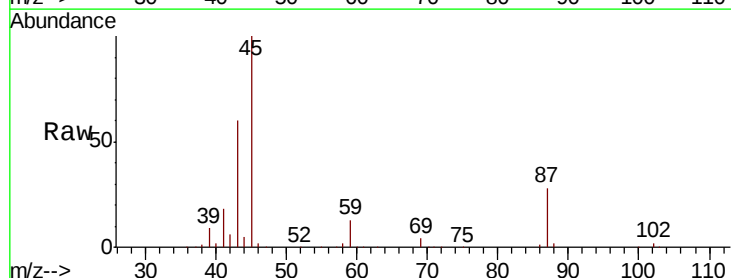
Ion Ratio Lower Upper

45 100

43 58.3 45.7 68.5

87 28.2 22.7 34.1

59 12.3 9.5 14.3

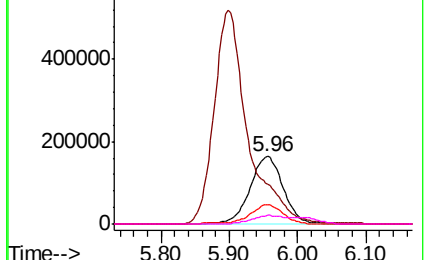


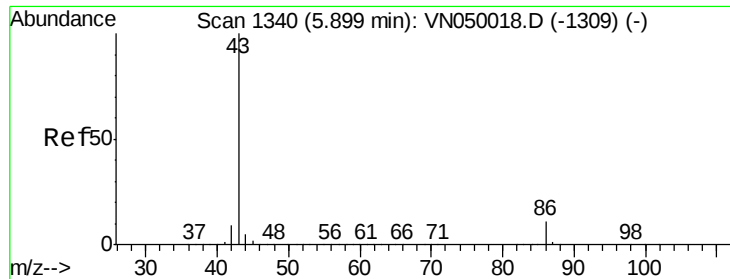
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

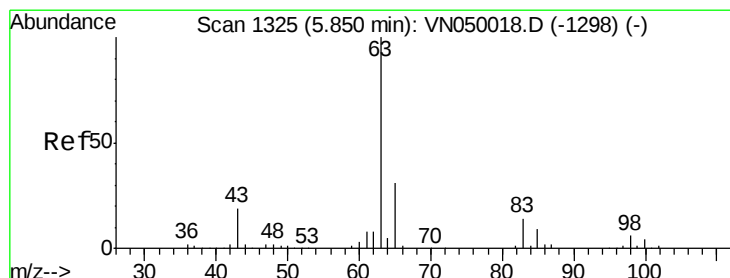
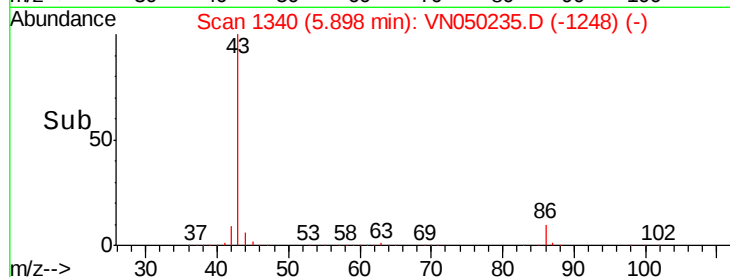
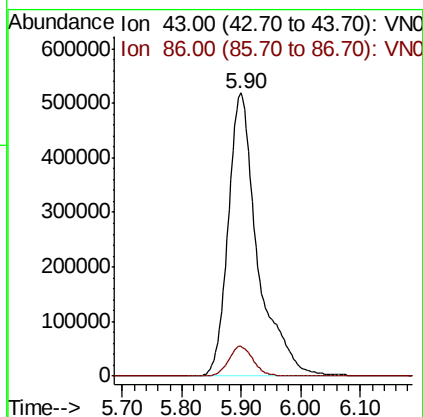
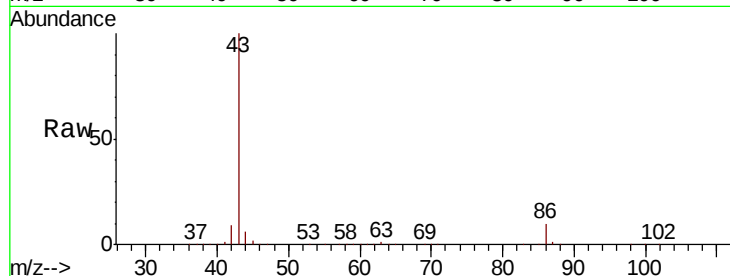




#23  
 Vinyl Acetate  
 Concen: 96.34 ug/l  
 RT: 5.90 min Scan# 1340  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

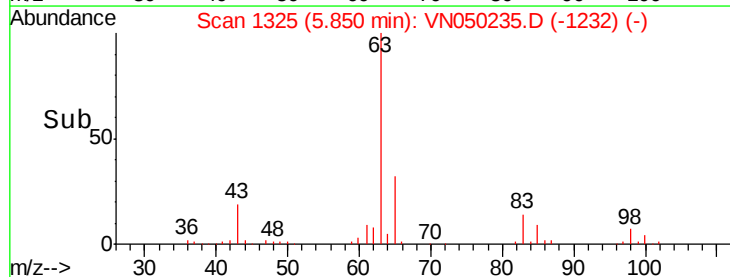
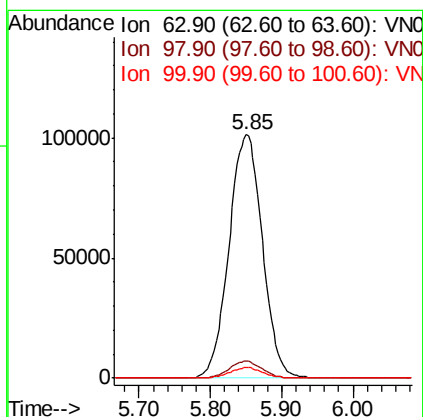
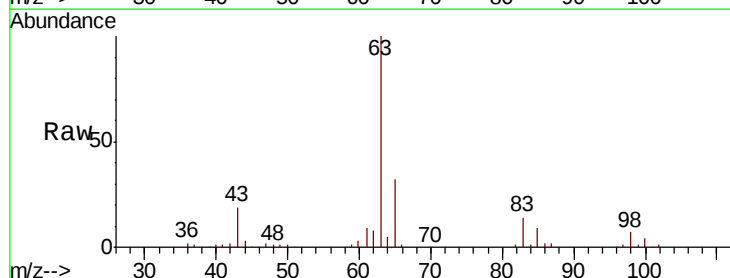
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBS01

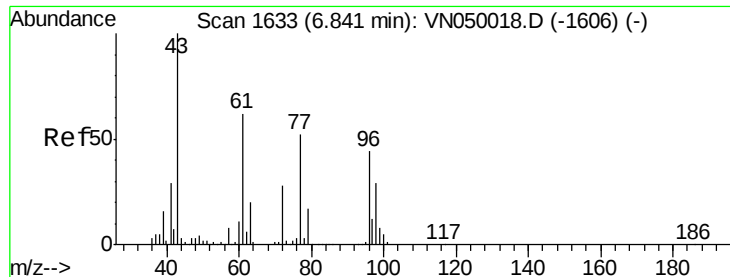
Tot Ion: 43 Resp: 1784840  
 Ion Ratio Lower Upper  
 43 100  
 86 10.4 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 19.23 ug/l  
 RT: 5.85 min Scan# 1325  
 Delta R.T. 0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 63 Resp: 329742  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.3 9.8  
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 104.14 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

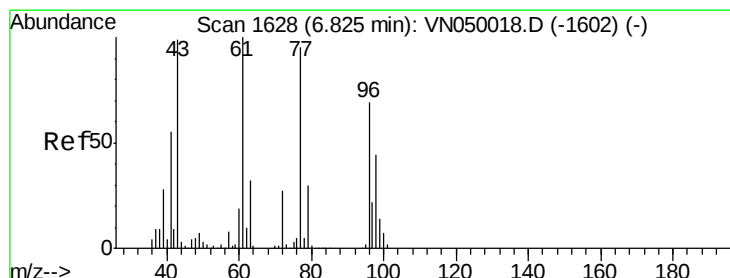
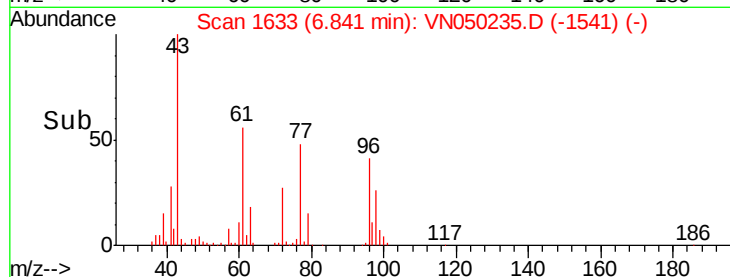
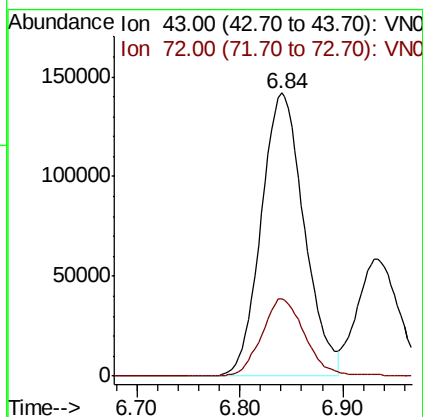
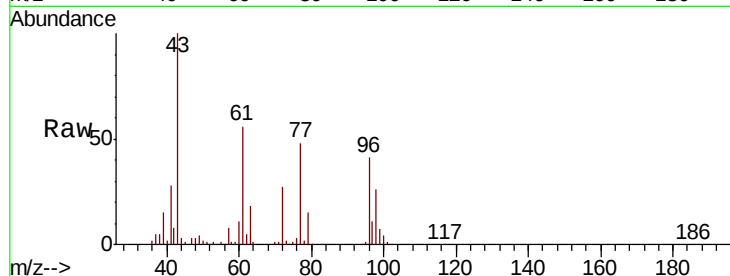
VN0801WBS01

Tot Ion: 43 Resp: 410022

Ion Ratio Lower Upper

43 100

72 27.3 21.5 32.3



#26

2,2-Dichloropropane

Concen: 21.16 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050235.D

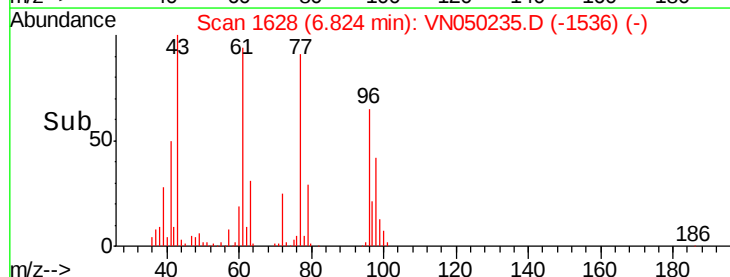
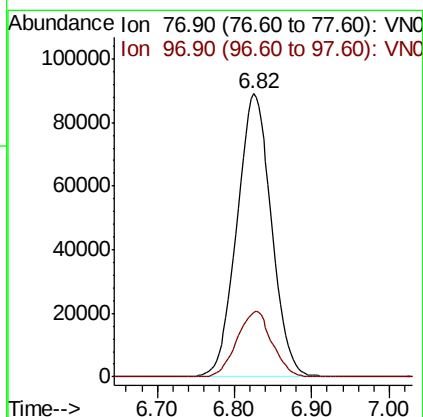
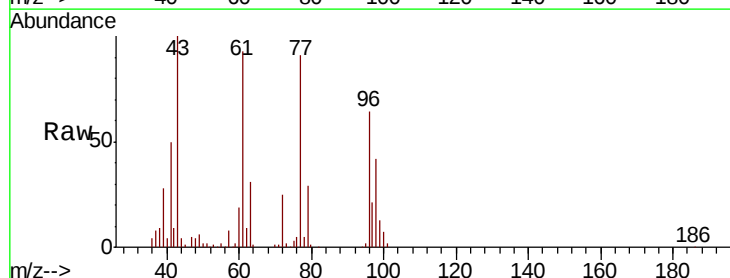
Acq: 1 Aug 2018 9:21

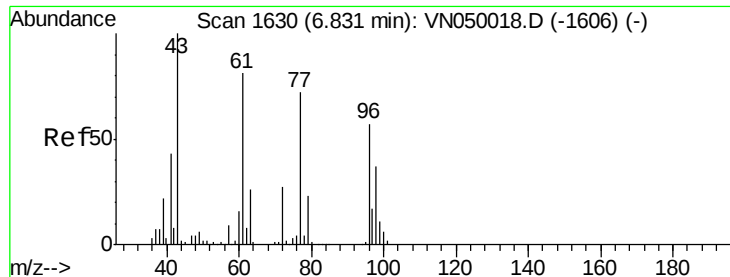
Tgt Ion: 77 Resp: 275951

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.79 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

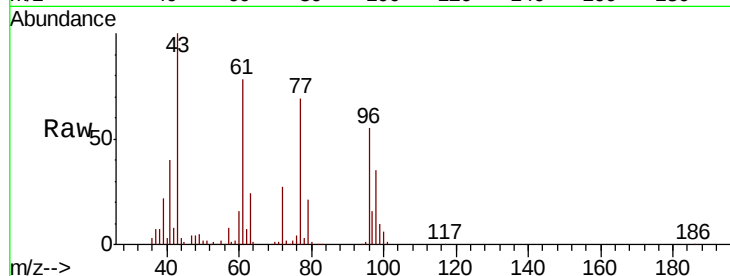
Tot Ion: 96 Resp: 192449

Ion Ratio Lower Upper

96 100

61 143.8 0.0 285.0

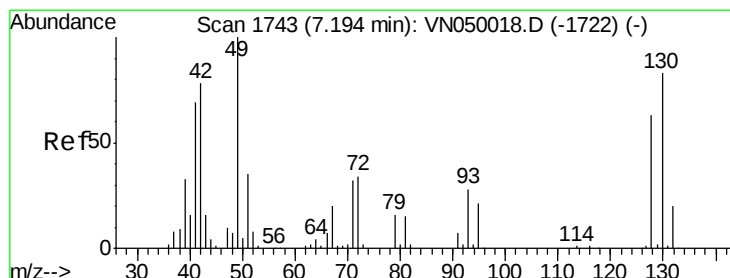
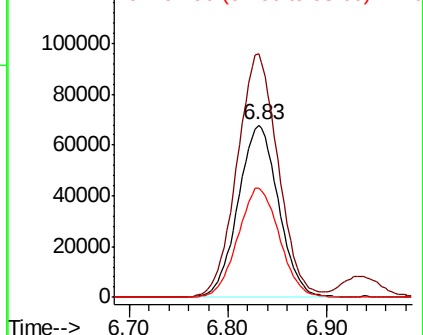
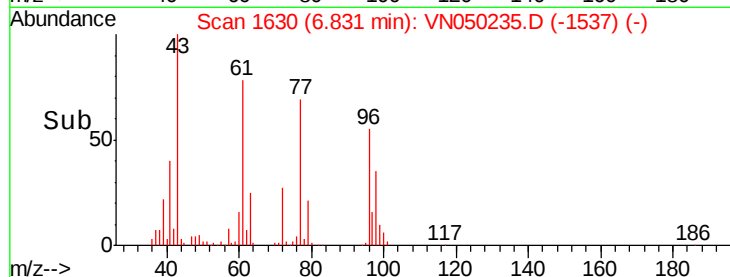
98 65.4 0.0 129.2



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: 20.90 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

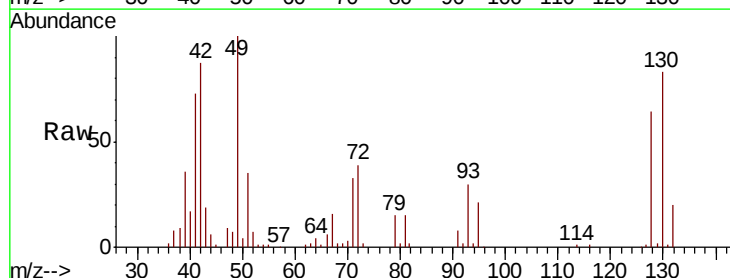
Tgt Ion: 49 Resp: 163383

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

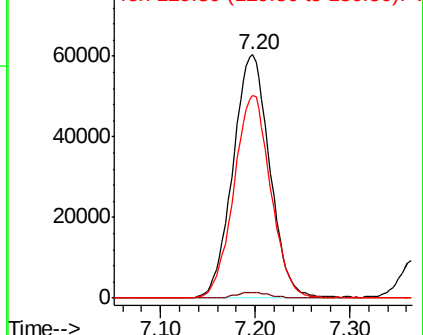
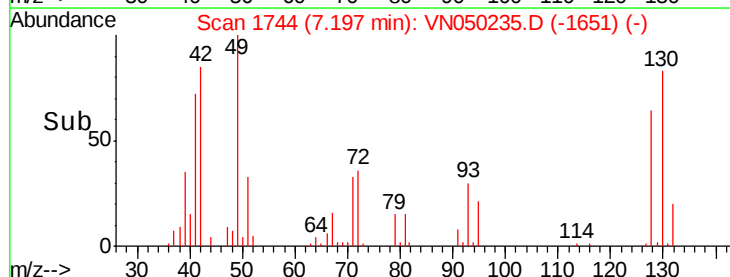
130 83.3 66.3 99.5

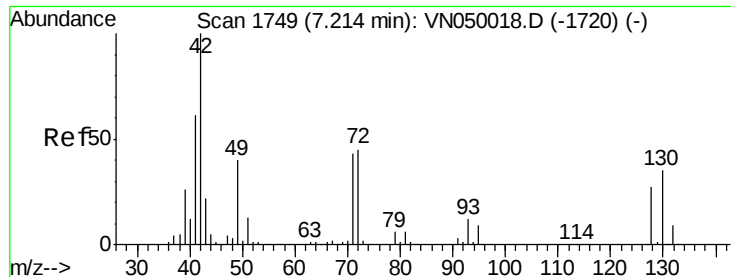


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 100.11 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampled :

VN0801WBS01

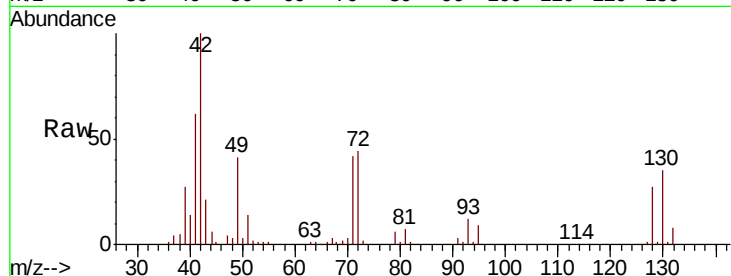
Tot Ion: 42 Resp: 254683

Ion Ratio Lower Upper

42 100

72 44.5 35.9 53.9

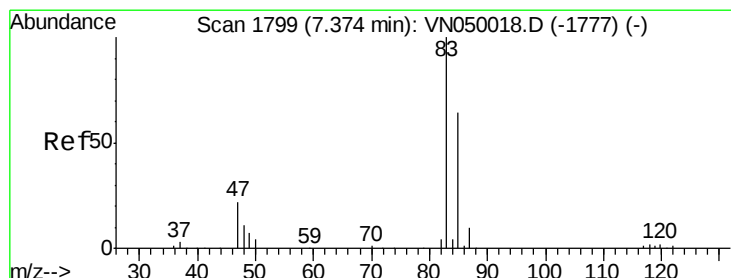
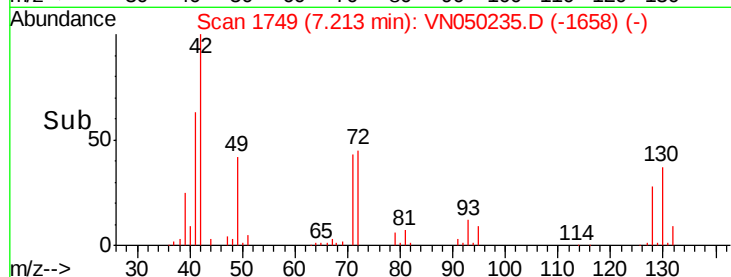
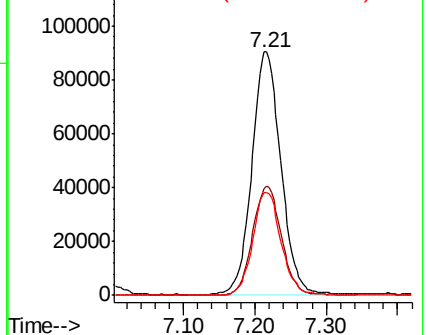
71 41.3 33.7 50.5



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: 19.50 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050235.D

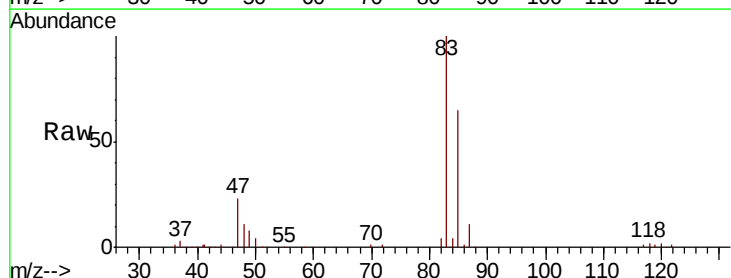
Acq: 1 Aug 2018 9:21

Tgt Ion: 83 Resp: 341141

Ion Ratio Lower Upper

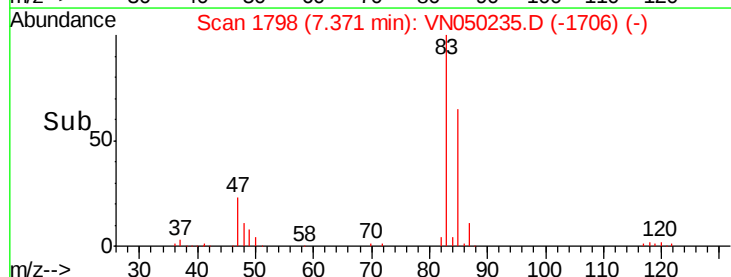
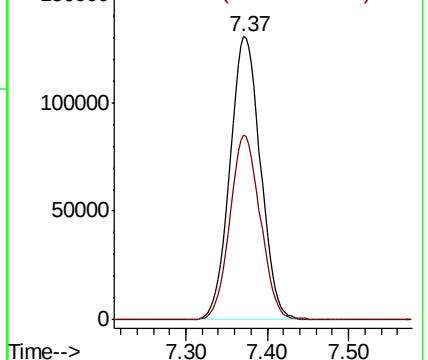
83 100

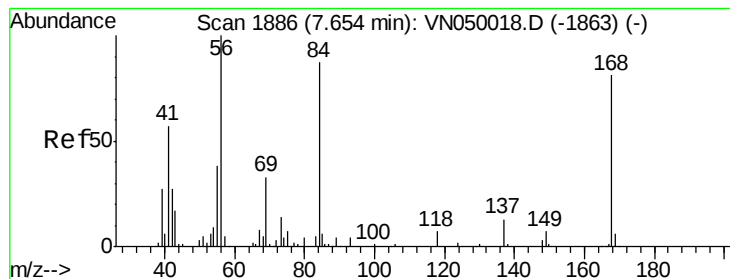
85 65.2 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.07 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

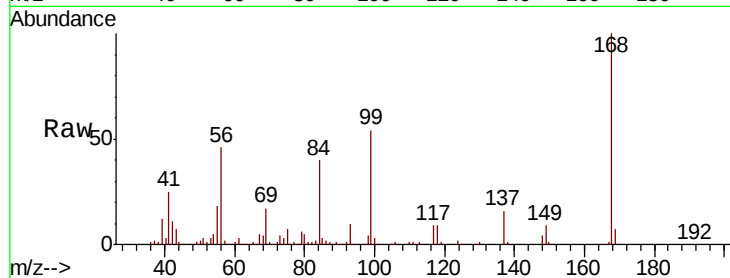
Tot Ion: 56 Resp: 271762

Ion Ratio Lower Upper

56 100

69 37.1 26.2 39.4

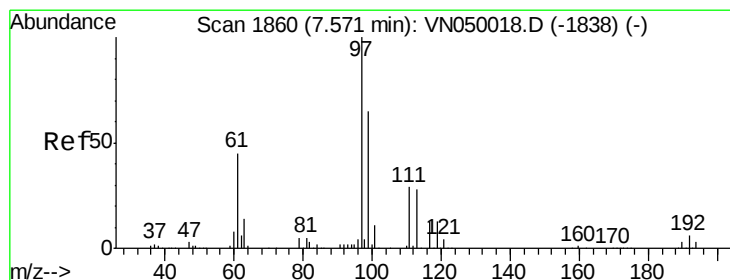
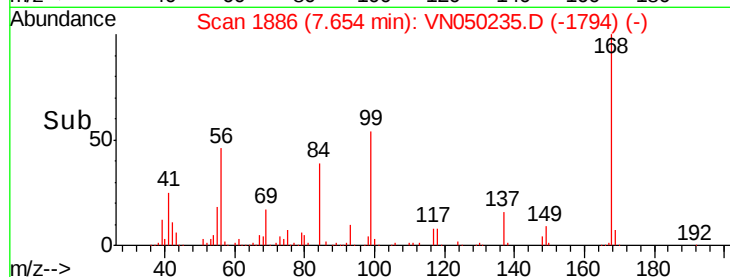
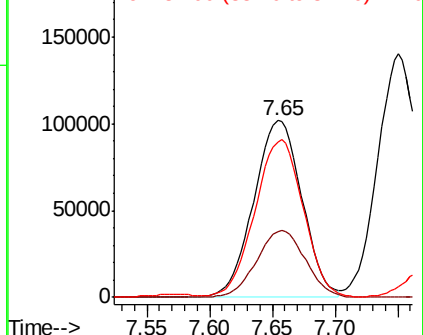
84 87.0 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.90 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

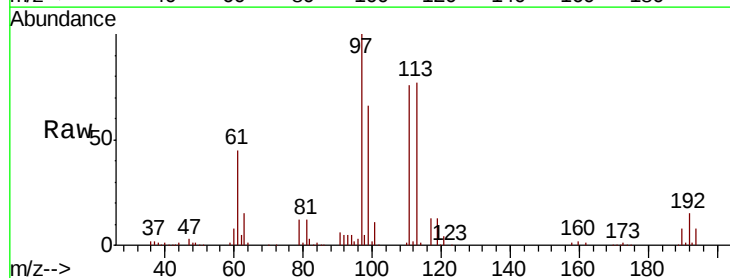
Tgt Ion: 97 Resp: 282855

Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.0

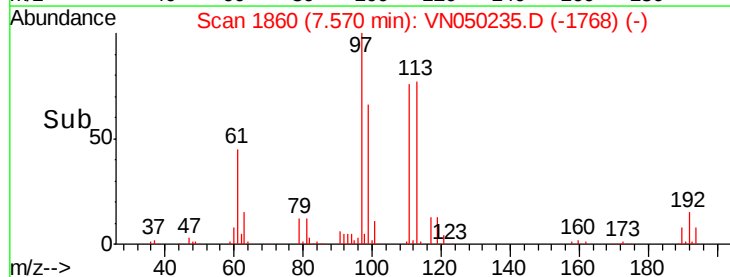
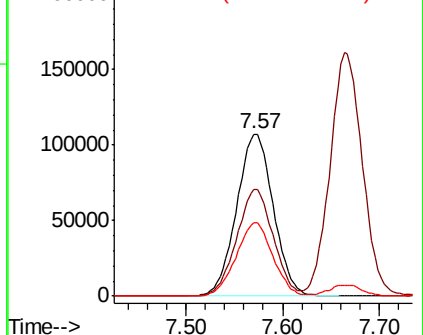
61 45.2 35.4 53.0

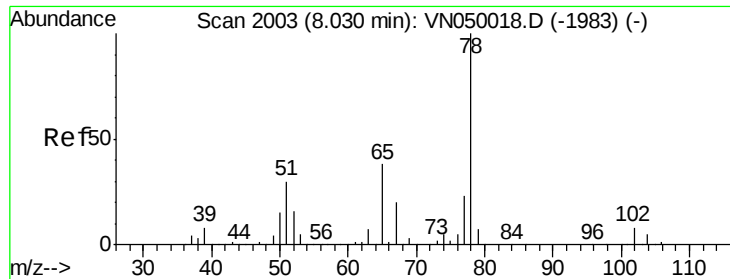


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.50 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

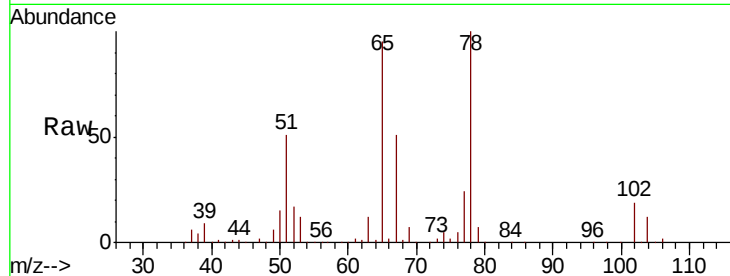
VN0801WBS01

Tot Ion: 65 Resp: 500591

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

250000

200000

150000

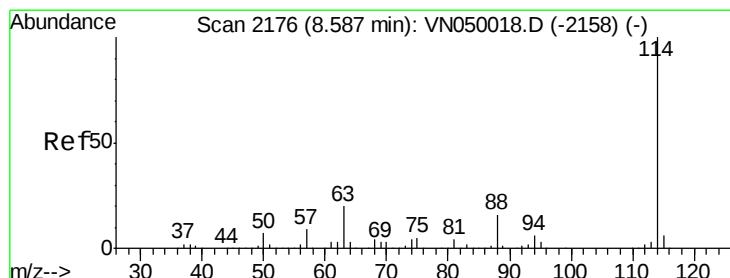
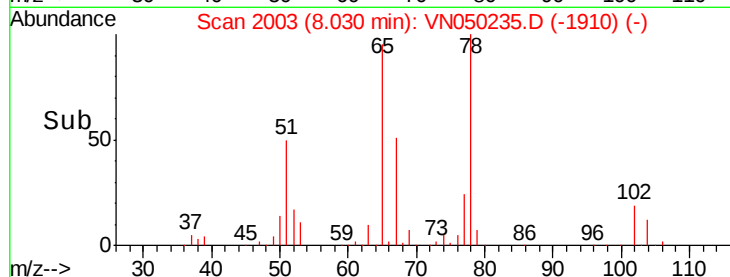
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

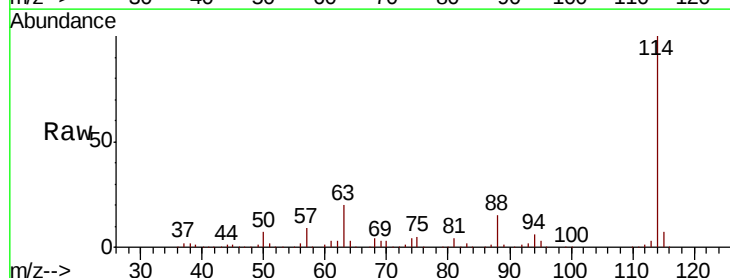
Tgt Ion: 114 Resp: 1079950

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

600000

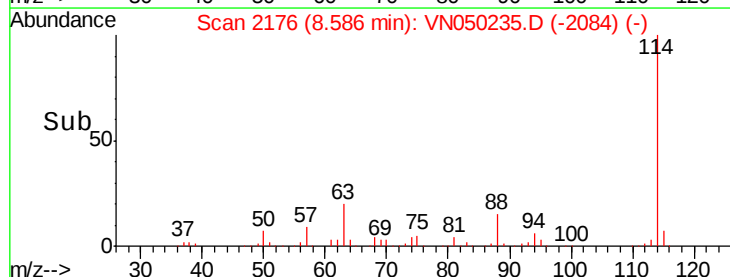
400000

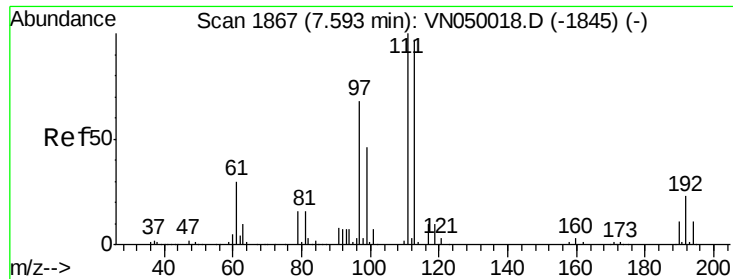
200000

0

8.50 8.60 8.70

Time-->

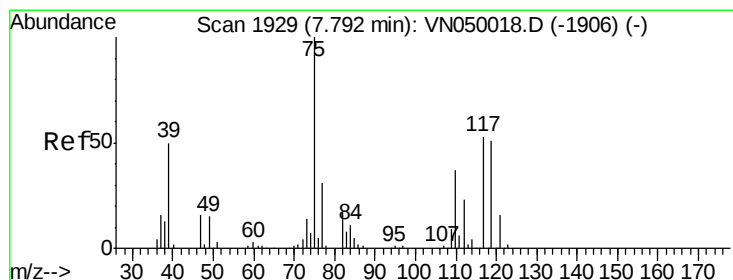
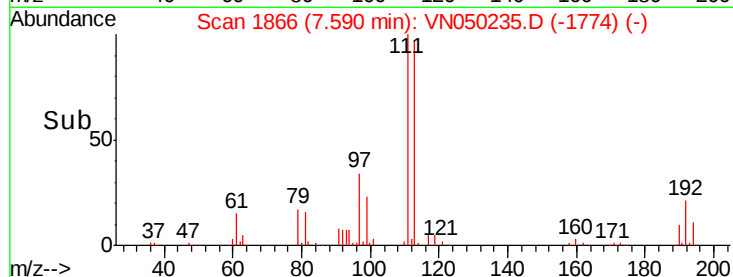
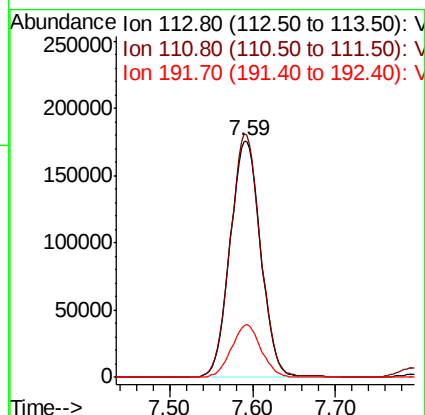
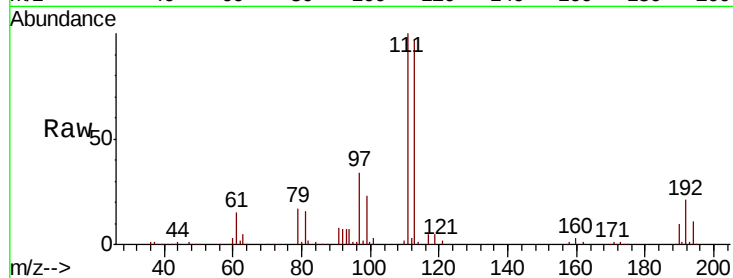




#35  
 Dibromofluoromethane  
 Concen: 51.35 ug/l  
 RT: 7.59 min Scan# 1866  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

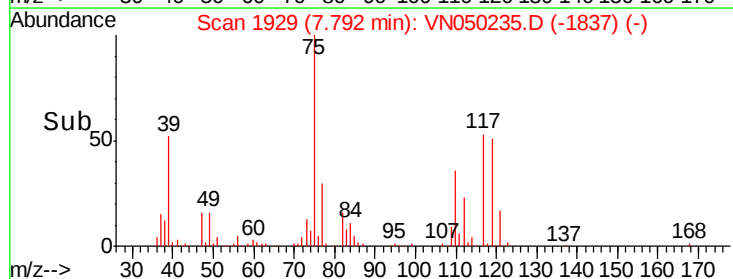
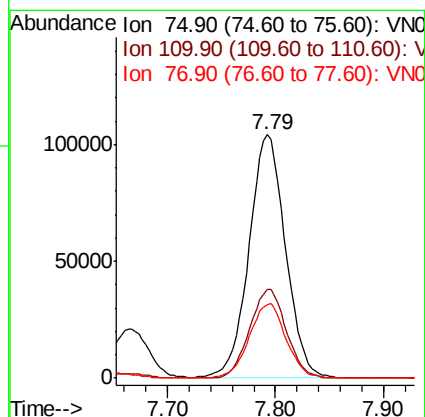
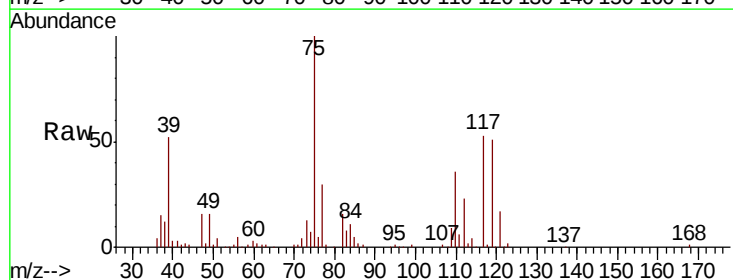
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBS01

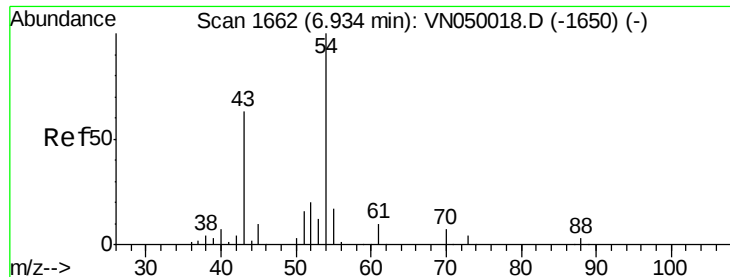
Tot Ion:113 Resp: 452804  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 80.7 121.1  
 192 21.6 17.8 26.6



#36  
 1,1-Dichloropropene  
 Concen: 20.00 ug/l  
 RT: 7.79 min Scan# 1929  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 75 Resp: 243293  
 Ion Ratio Lower Upper  
 75 100  
 110 36.9 18.4 55.2  
 77 31.2 25.3 37.9

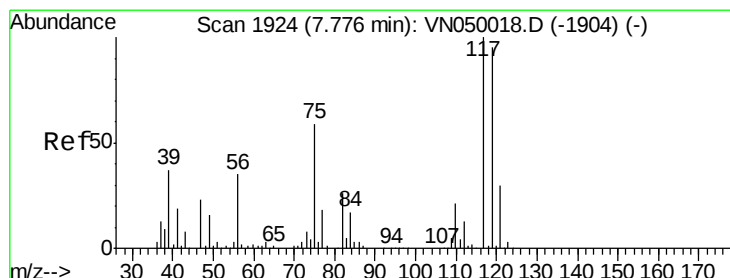
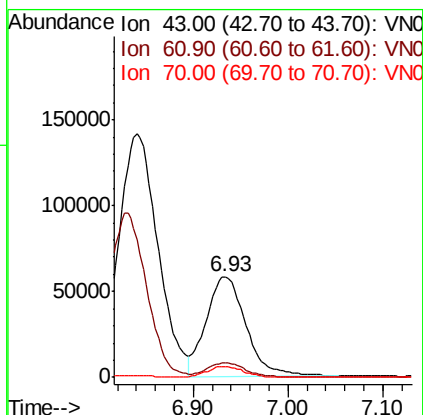
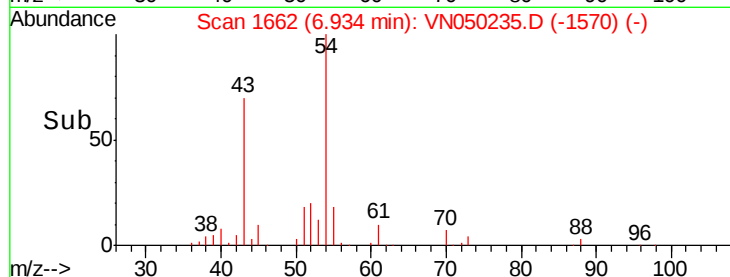
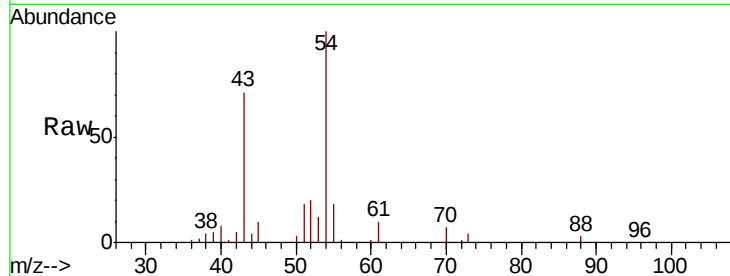




#37  
Ethyl Acetate  
Concen: 19.96 ug/l  
RT: 6.93 min Scan# 1662  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

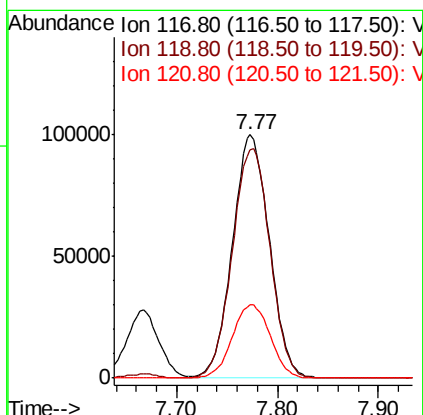
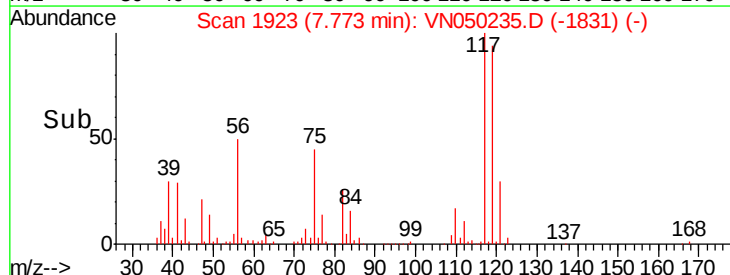
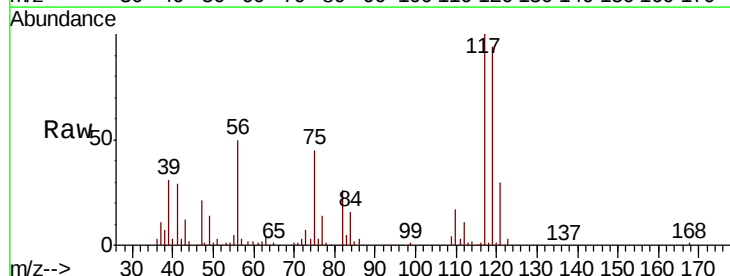
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0801WBS01

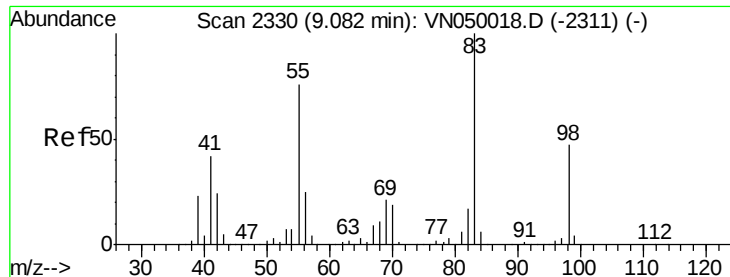
| Tot Ion   | 43    | Resp  | 169349 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 13.8  | 11.8  | 17.8   |
| 70        | 10.4  | 8.4   | 12.6   |



#38  
Carbon Tetrachloride  
Concen: 19.68 ug/l  
RT: 7.77 min Scan# 1923  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

| Tgt Ion   | 117   | Resp  | 254043 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 93.6  | 77.4  | 116.0  |
| 121       | 30.0  | 23.9  | 35.9   |

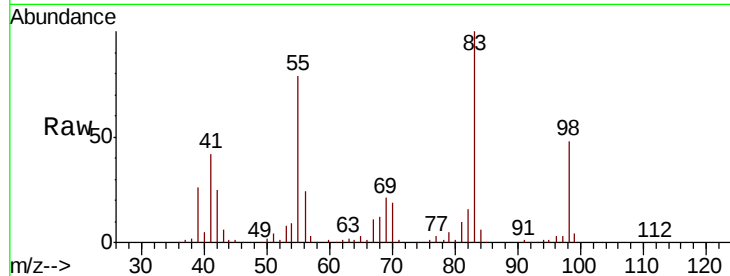




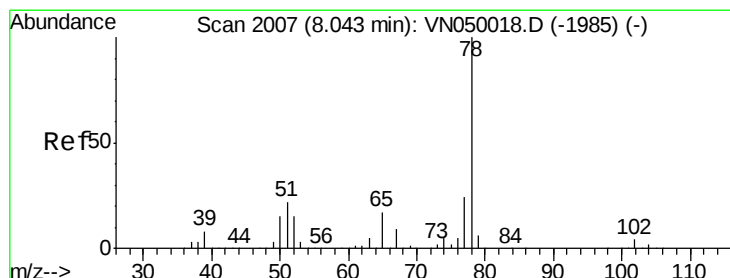
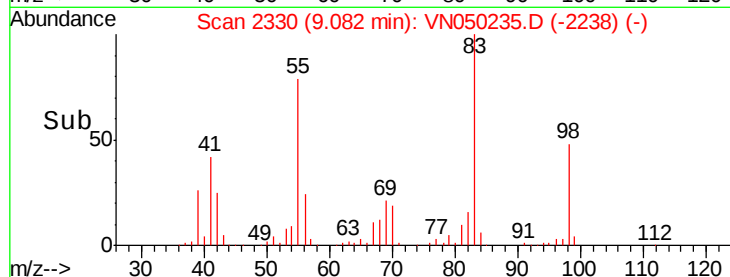
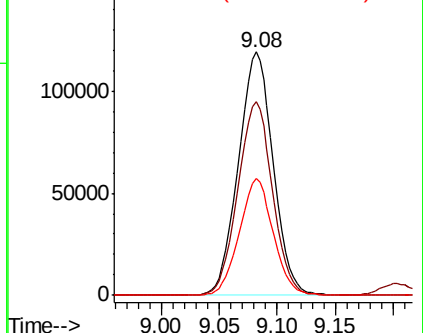
#39  
Methvlcvclohexane  
Concen: 19.83 ug/l  
RT: 9.08 min Scan# 2330  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

Tot Ion: 83 Resp: 248204  
Ion Ratio Lower Upper  
83 100  
55 79.4 61.8 92.8  
98 48.1 36.5 54.7

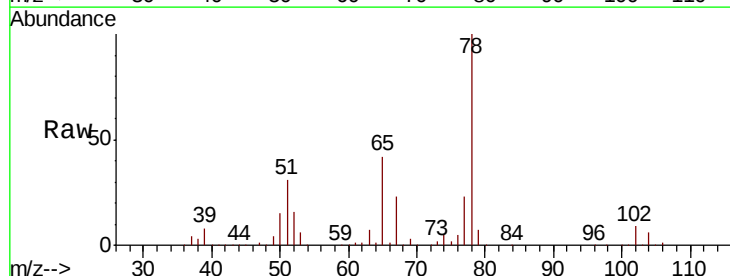


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

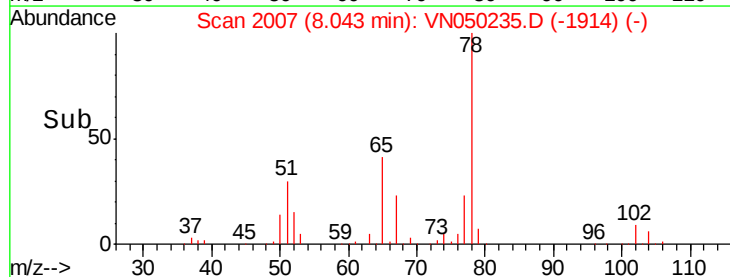
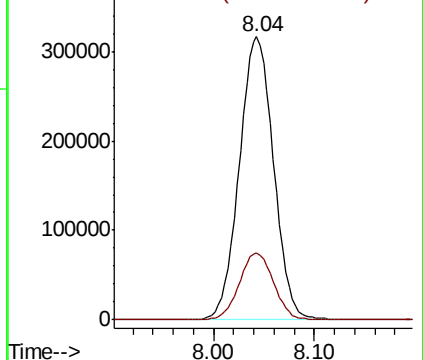


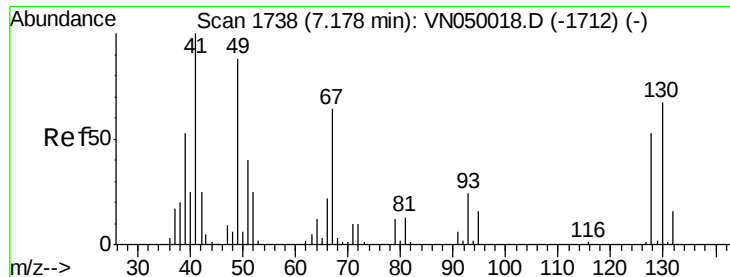
#40  
Benzene  
Concen: 20.05 ug/l  
RT: 8.04 min Scan# 2007  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Tgt Ion: 78 Resp: 742508  
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

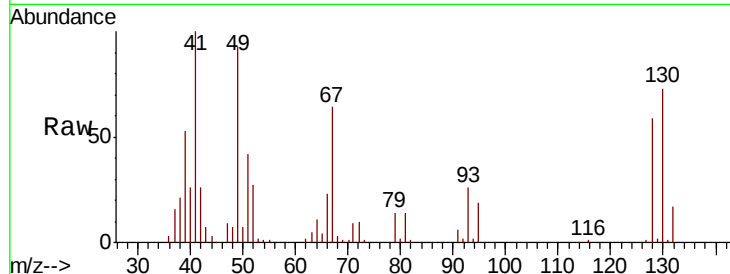




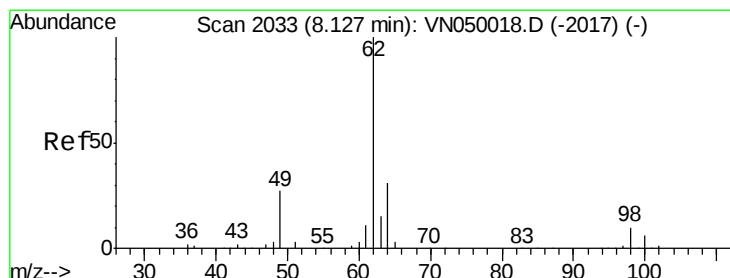
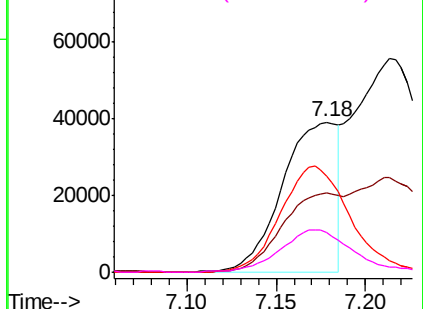
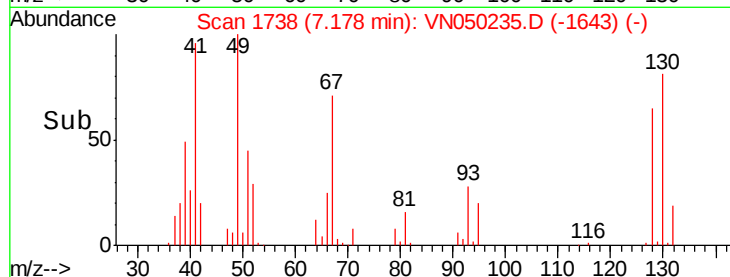
#41  
Methacrylonitrile  
Concen: 20.85 ug/l  
RT: 7.18 min Scan# 1738  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

Tot Ion: 41 Resp: 84606  
Ion Ratio Lower Upper  
41 100  
39 57.4 55.8 83.6  
67 88.9 84.3 126.5  
52 37.4 34.2 51.2

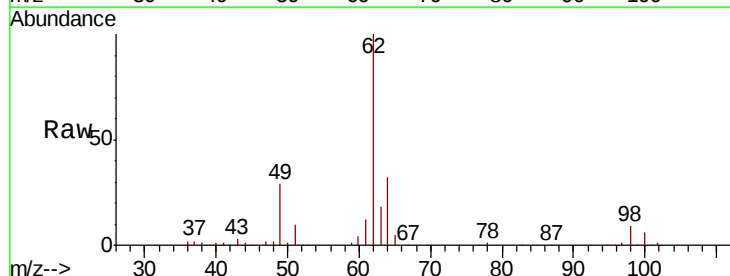


Abundance Ion 41.00 (40.70 to 41.70): VNO  
Ion 39.00 (38.70 to 39.70): VNO  
Ion 67.00 (66.70 to 67.70): VNO  
Ion 52.00 (51.70 to 52.70): VNO

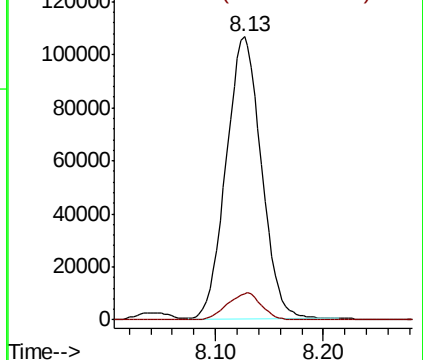
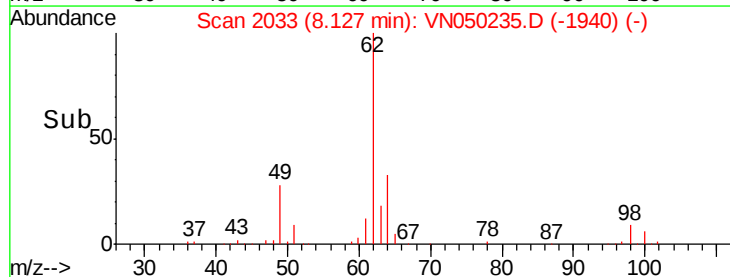


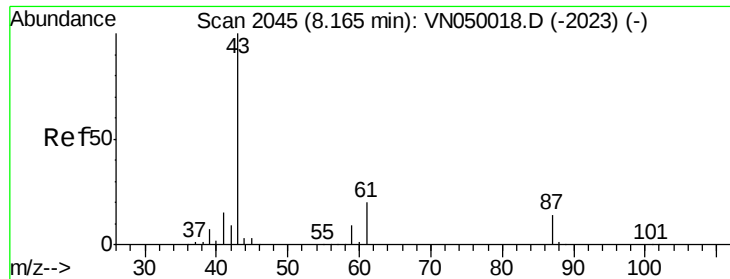
#42  
1,2-Dichloroethane  
Concen: 19.62 ug/l  
RT: 8.13 min Scan# 2033  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Tgt Ion: 62 Resp: 242367  
Ion Ratio Lower Upper  
62 100  
98 9.3 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 20.55 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

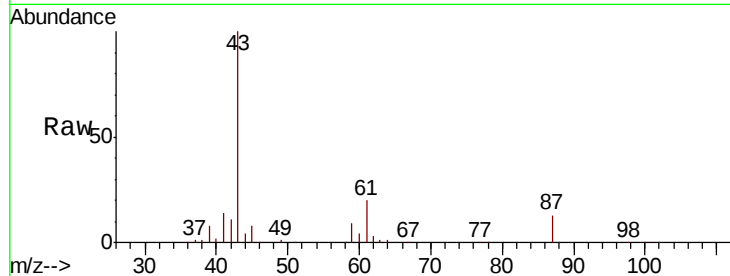
Tot Ion: 43 Resp: 339247

Ion Ratio Lower Upper

43 100

61 17.0 15.8 23.6

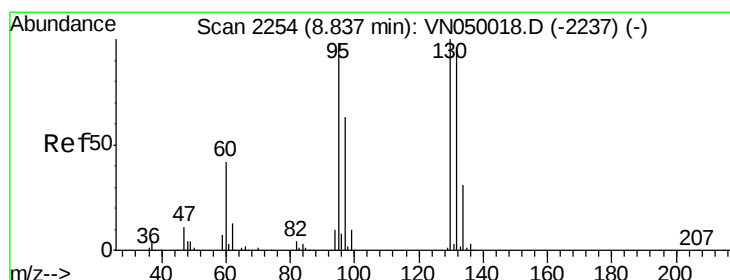
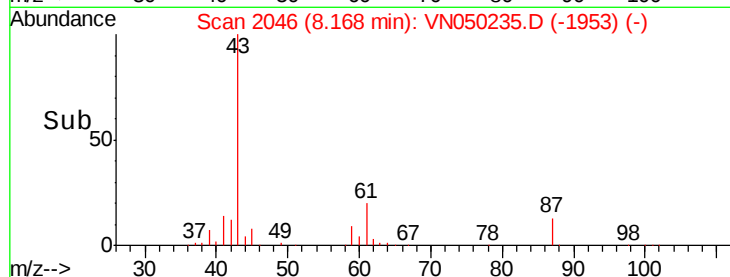
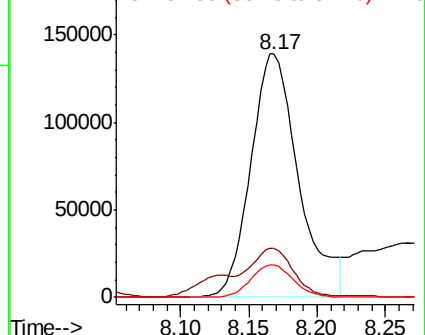
87 11.9 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.73 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050235.D

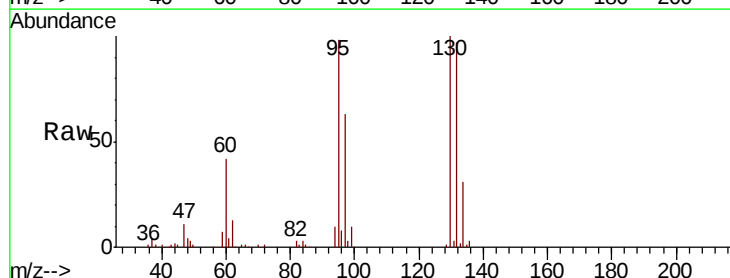
Acq: 1 Aug 2018 9:21

Tgt Ion:130 Resp: 196255

Ion Ratio Lower Upper

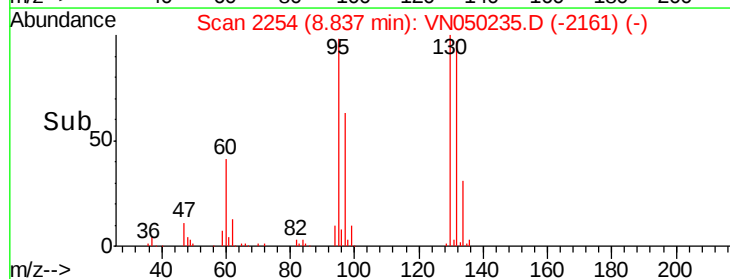
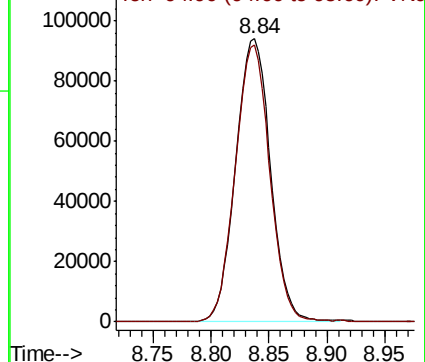
130 100

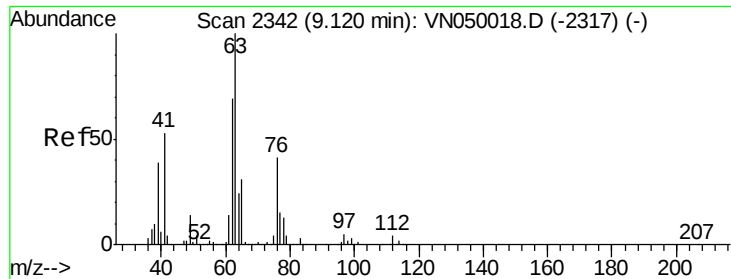
95 97.9 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

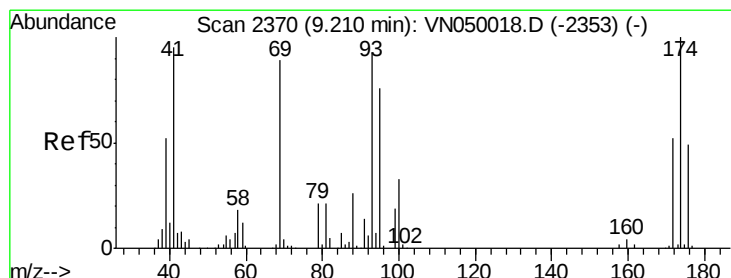
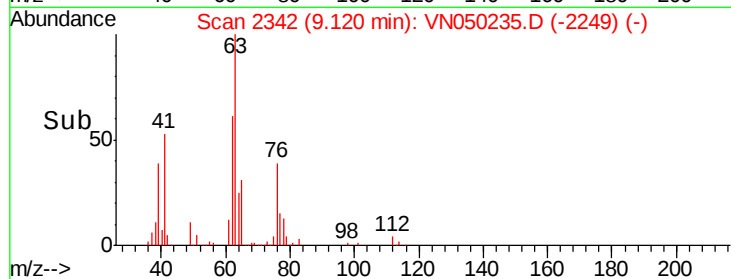
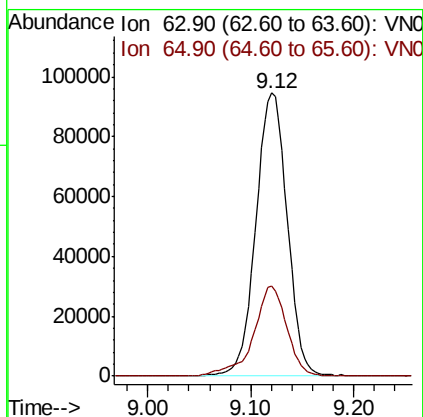
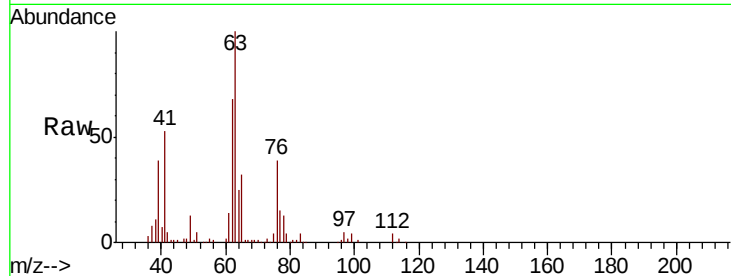




#45  
 1,2-Dichloropropane  
 Concen: 20.33 ug/l  
 RT: 9.12 min Scan# 2342  
 Delta R.T. 0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

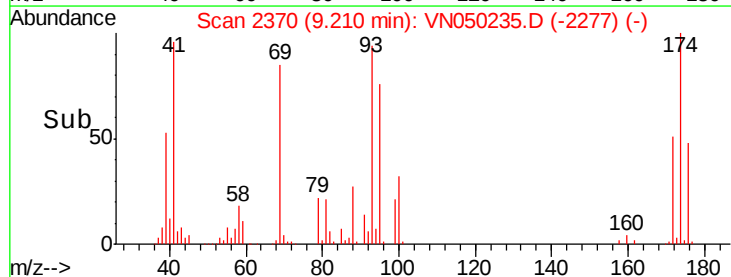
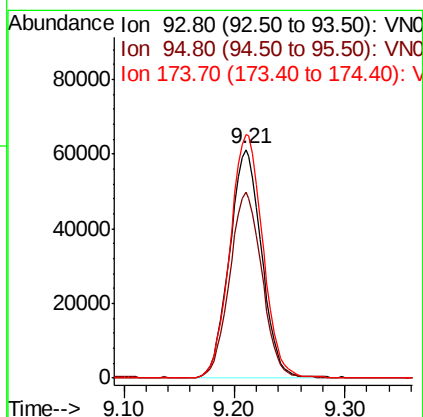
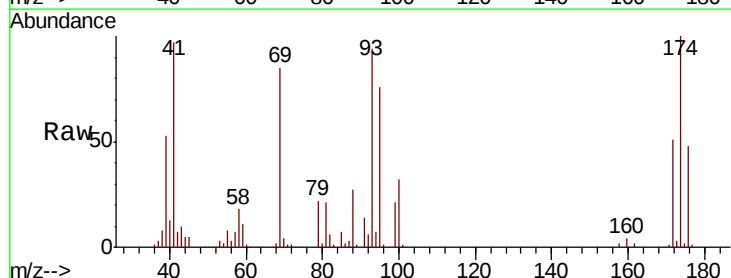
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0801WBS01

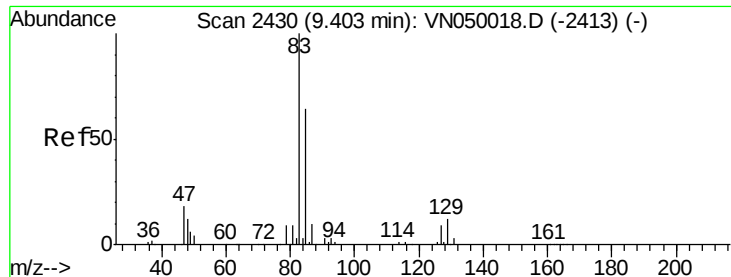
Tot Ion: 63 Resp: 199358  
 Ion Ratio Lower Upper  
 63 100  
 65 31.7 25.5 38.3



#46  
 Dibromomethane  
 Concen: 20.32 ug/l  
 RT: 9.21 min Scan# 2370  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 93 Resp: 123704  
 Ion Ratio Lower Upper  
 93 100  
 95 81.9 66.6 100.0  
 174 109.0 87.1 130.7

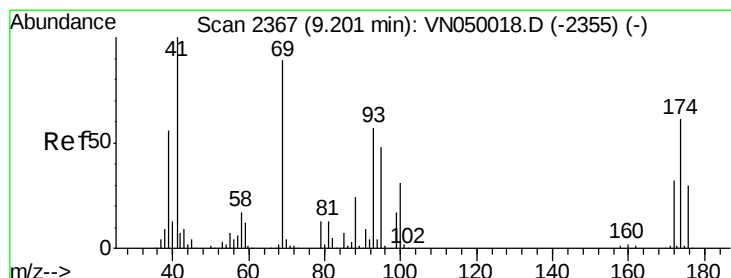
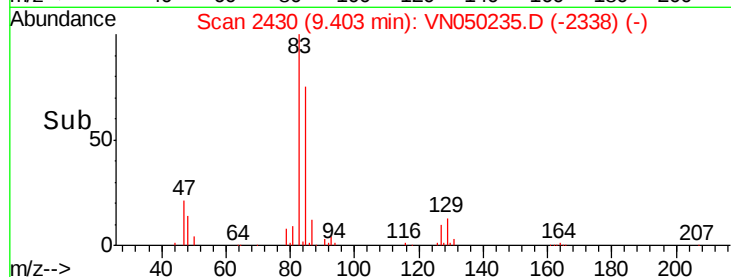
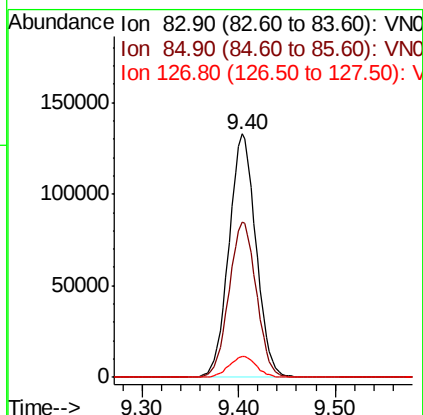
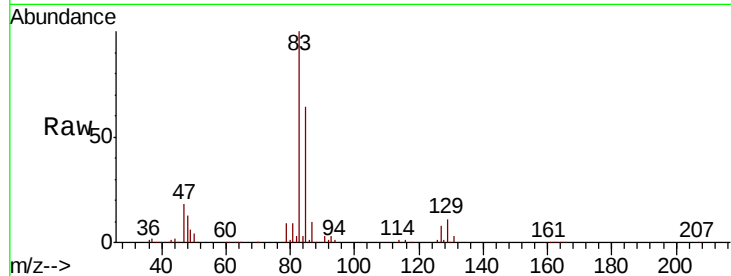




#47  
 Bromodichloromethane  
 Concen: 20.06 ug/l  
 RT: 9.40 min Scan# 2430  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

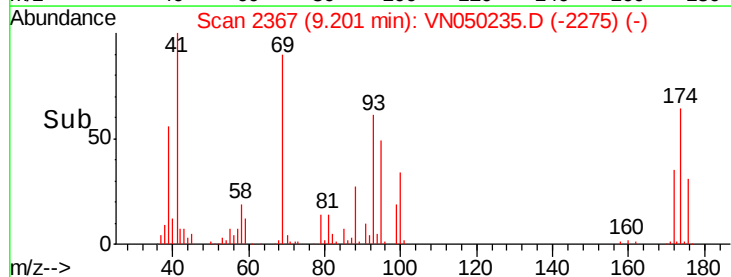
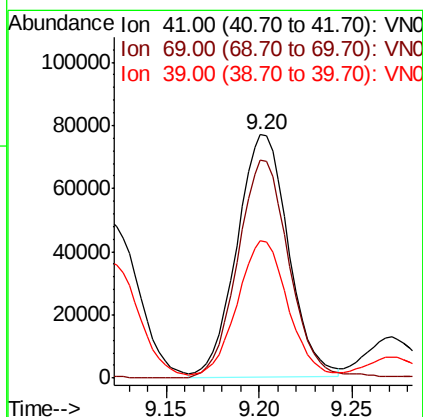
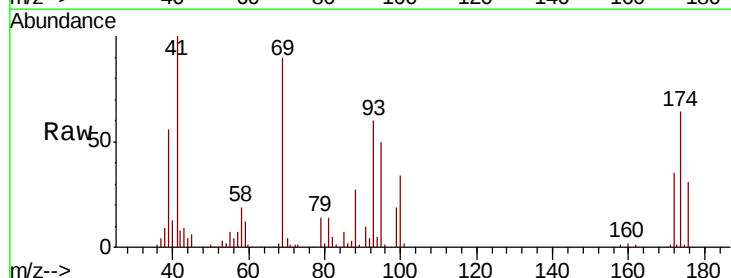
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0801WBS01

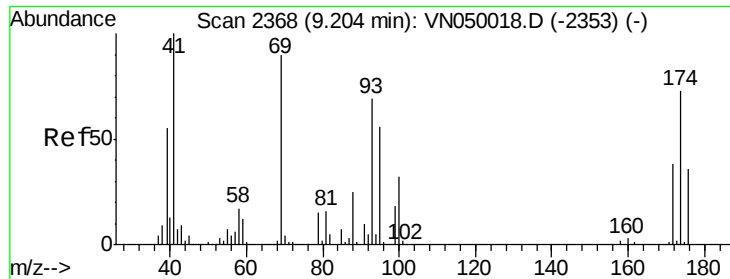
Tot Ion: 83 Resp: 257843  
 Ion Ratio Lower Upper  
 83 100  
 85 63.6 51.1 76.7  
 127 8.5 7.0 10.4



#48  
 Methyl methacrylate  
 Concen: 20.38 ug/l  
 RT: 9.20 min Scan# 2367  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 41 Resp: 148894  
 Ion Ratio Lower Upper  
 41 100  
 69 90.6 70.6 105.8  
 39 55.8 43.9 65.9

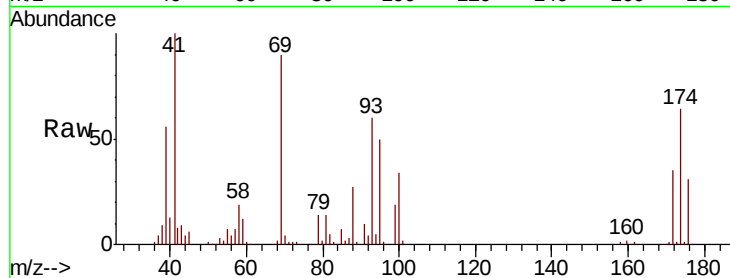




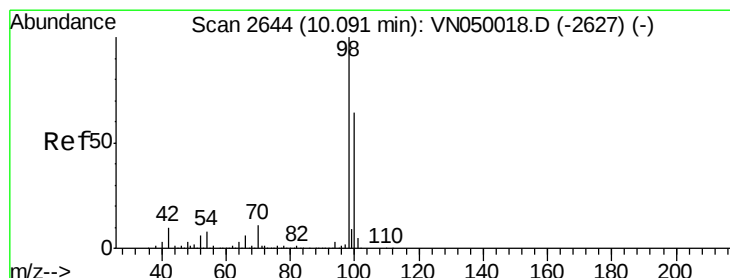
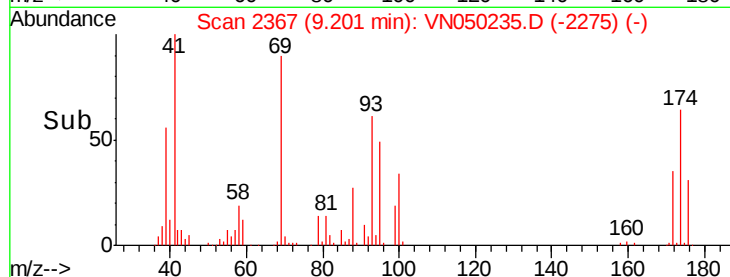
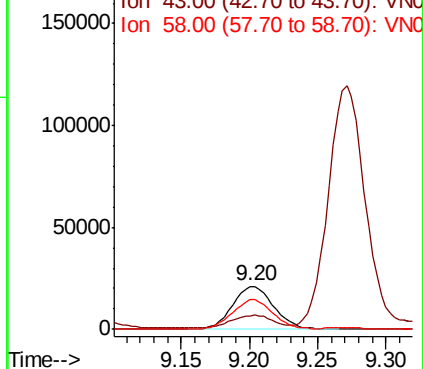
#49  
 1,4-Dioxane  
 Concen: 445.66 ug/l  
 RT: 9.20 min Scan# 2367  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBS01

Tot Ion: 88 Resp: 44309  
 Ion Ratio Lower Upper  
 88 100  
 43 31.0 26.9 40.3  
 58 67.9 57.3 85.9

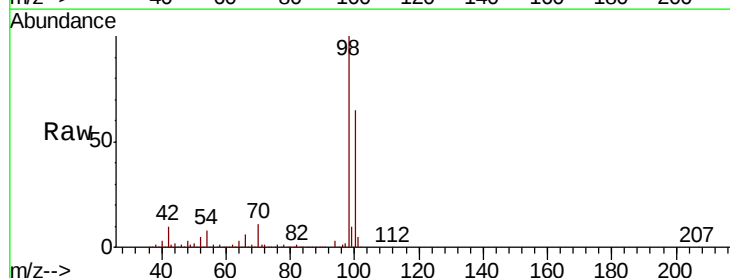


Abundance Ion 88.00 (87.70 to 88.70): VN0  
 Ion 43.00 (42.70 to 43.70): VN0  
 Ion 58.00 (57.70 to 58.70): VN0

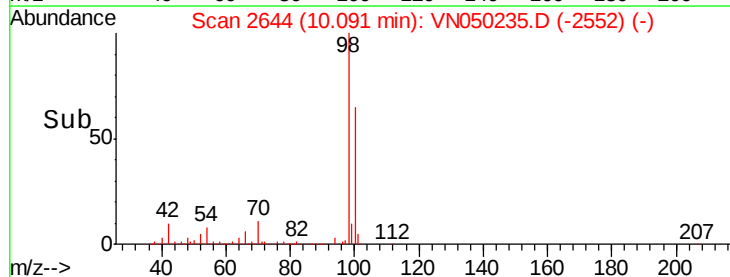
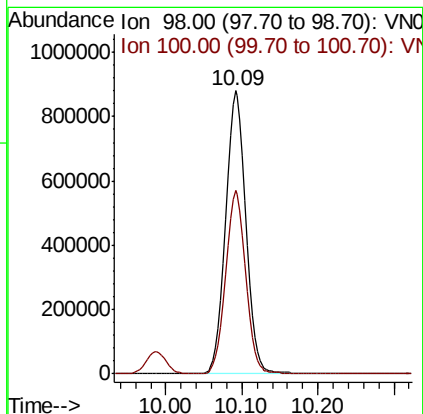


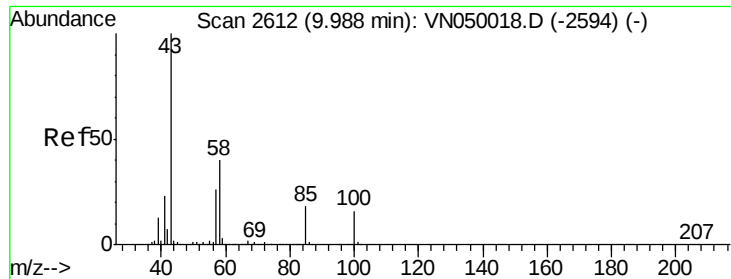
#50  
 Toluene-d8  
 Concen: 50.75 ug/l  
 RT: 10.09 min Scan# 2644  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 98 Resp: 1645205  
 Ion Ratio Lower Upper  
 98 100  
 100 64.3 50.7 76.1



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

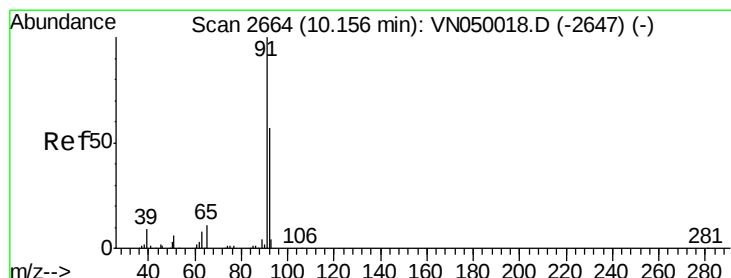
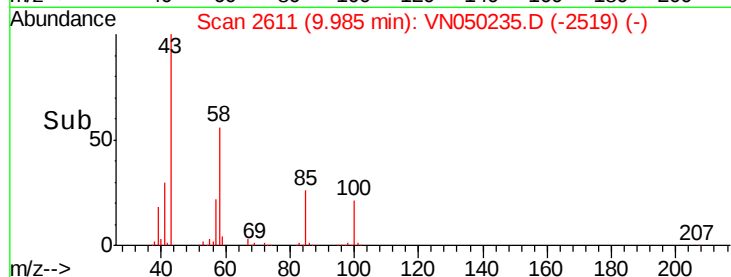
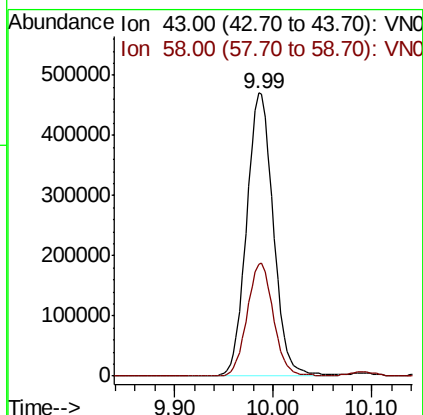
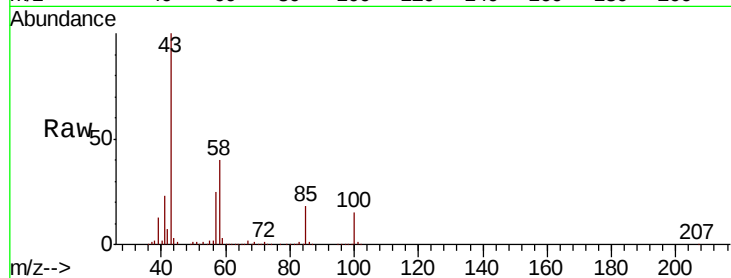




#51  
 4-Methyl-2-Pentanone  
 Concen: 104.95 ug/l  
 RT: 9.99 min Scan# 2611  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

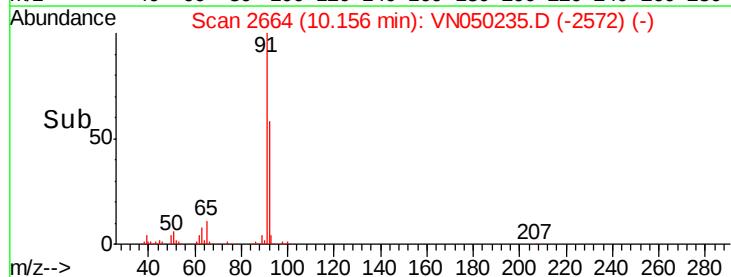
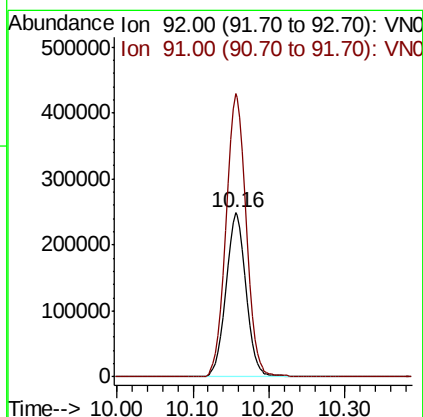
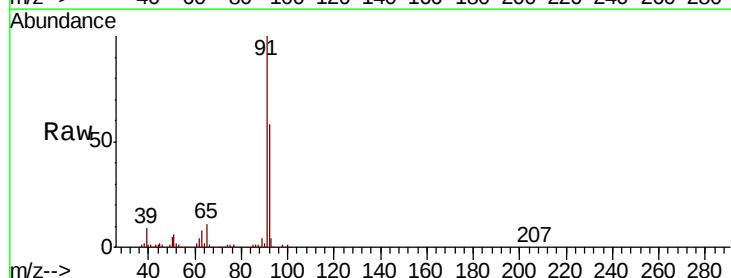
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0801WBS01

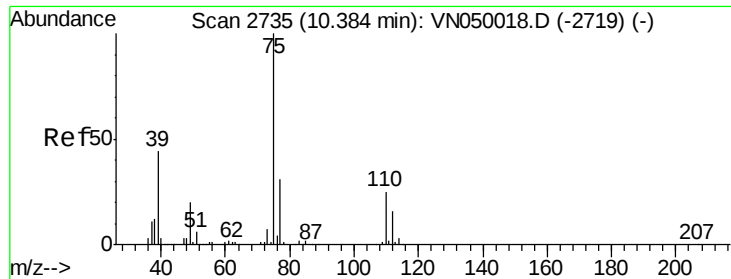
Tot Ion: 43 Resp: 875173  
 Ion Ratio Lower Upper  
 43 100  
 58 39.4 31.9 47.9



#52  
 Toluene  
 Concen: 21.08 ug/l  
 RT: 10.16 min Scan# 2664  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 92 Resp: 460650  
 Ion Ratio Lower Upper  
 92 100  
 91 173.1 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 20.97 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

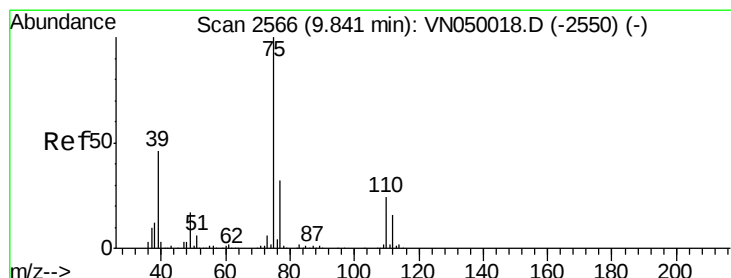
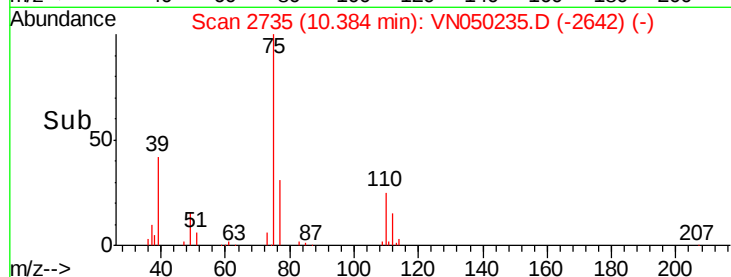
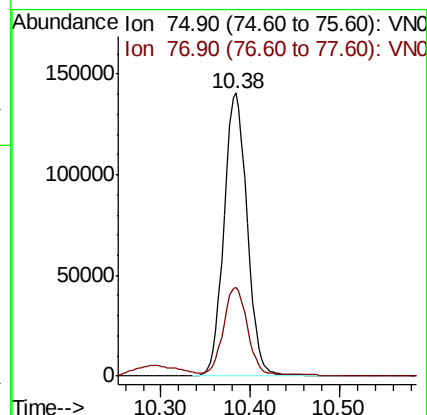
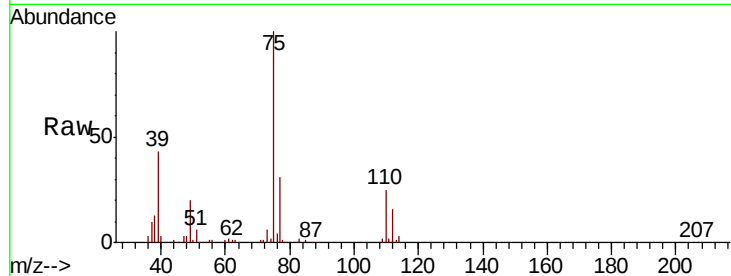
VN0801WBS01

Tot Ion: 75 Resp: 254295

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 20.91 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

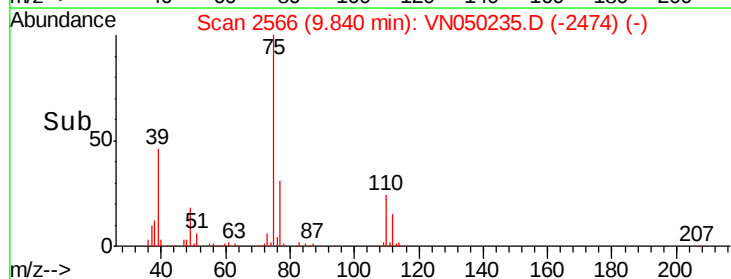
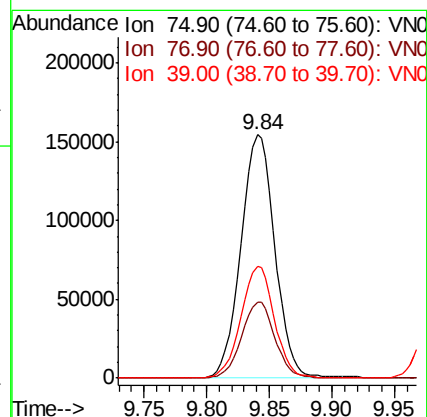
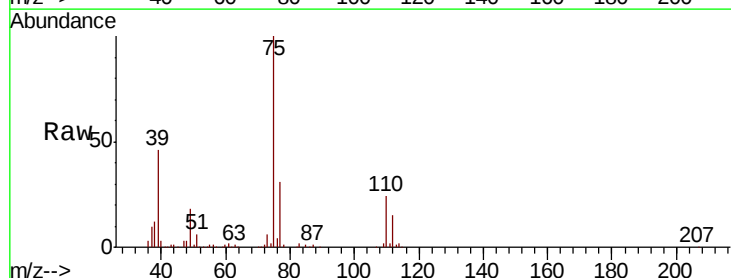
Tgt Ion: 75 Resp: 289800

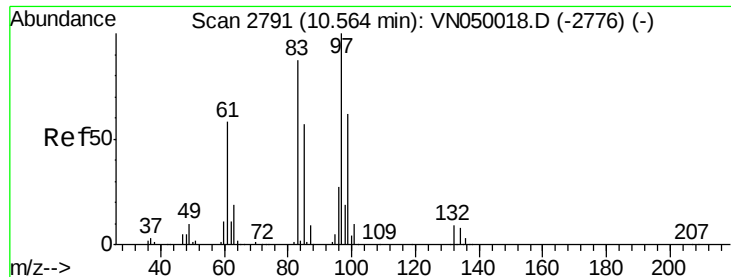
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 45.8 36.6 55.0

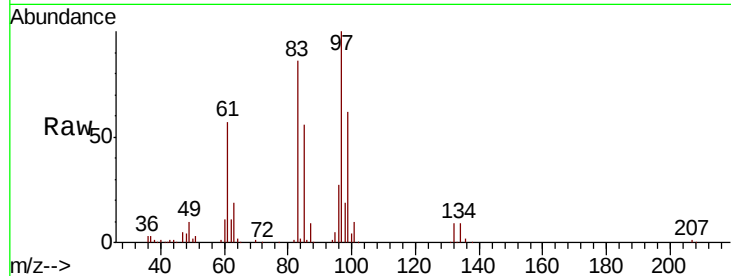




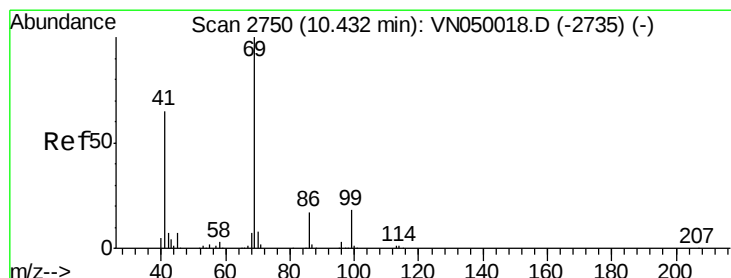
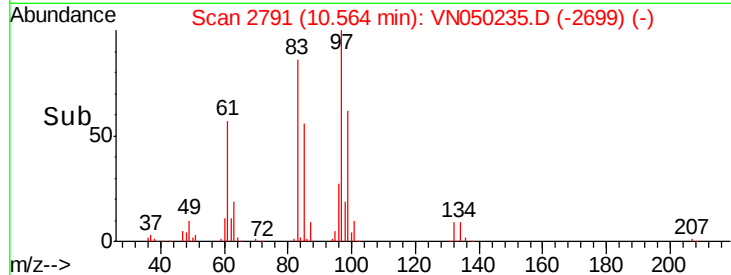
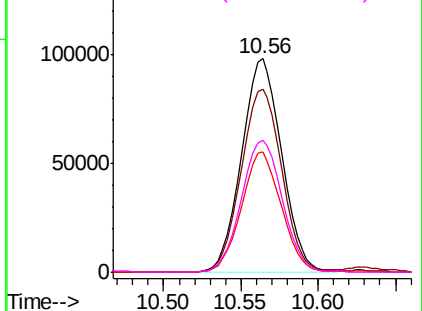
#55  
 1,1,2-Trichloroethane  
 Concen: 20.43 ug/l  
 RT: 10.56 min Scan# 2791  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0801WBS01

Tot Ion: 97 Resp: 177087  
 Ion Ratio Lower Upper  
 97 100  
 83 85.8 69.2 103.8  
 85 56.1 44.0 66.0  
 99 61.6 49.9 74.9

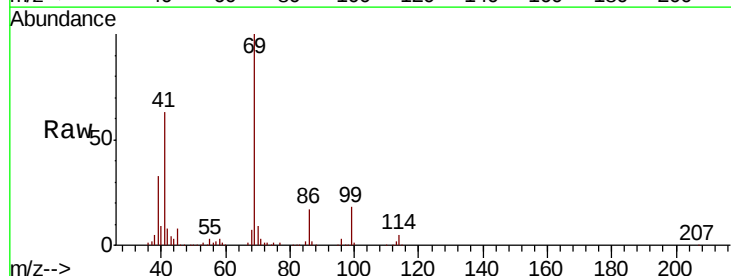


Abundance Ion 96.90 (96.60 to 97.60): VNO  
 150000 Ion 82.90 (82.60 to 83.60): VNO  
 Ion 84.90 (84.60 to 85.60): VNO  
 Ion 98.90 (98.60 to 99.60): VNO

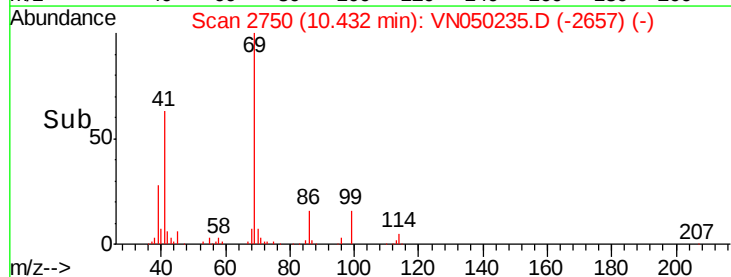
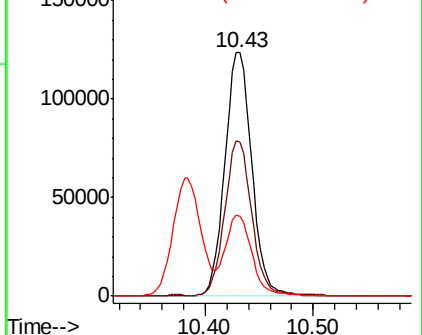


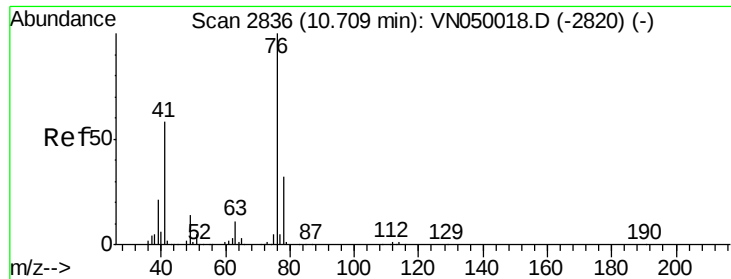
#56  
 Ethyl methacrylate  
 Concen: 19.60 ug/l  
 RT: 10.43 min Scan# 2750  
 Delta R.T. 0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 69 Resp: 215056  
 Ion Ratio Lower Upper  
 69 100  
 41 63.3 51.0 76.4  
 39 32.0 26.6 40.0



Abundance Ion 69.00 (68.70 to 69.70): VNO  
 150000 Ion 41.00 (40.70 to 41.70): VNO  
 Ion 39.00 (38.70 to 39.70): VNO

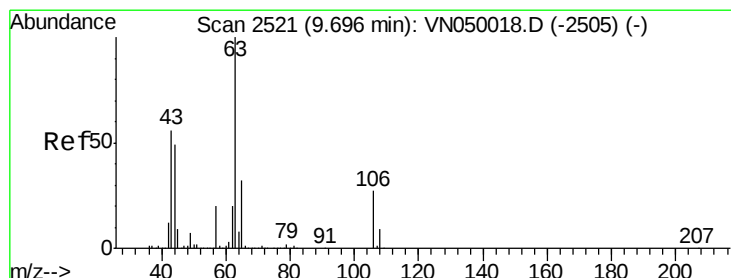
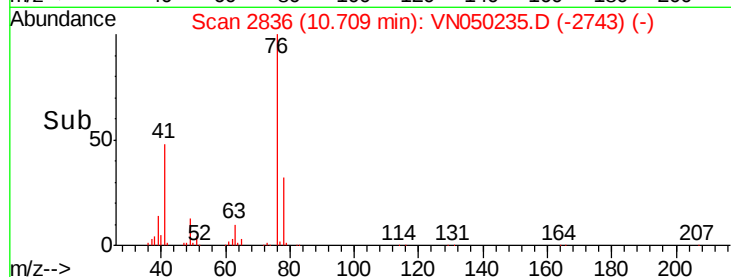
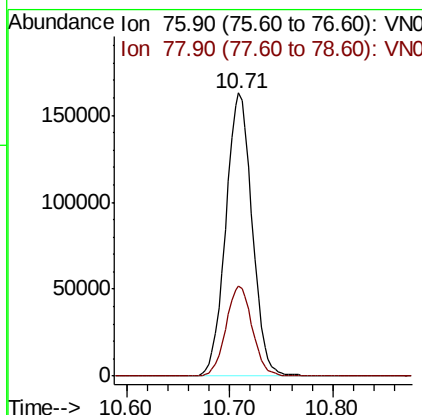
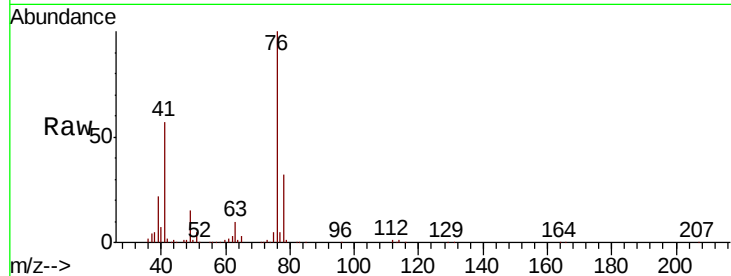




#57  
 1,3-Dichloropropane  
 Concen: 20.58 ug/l  
 RT: 10.71 min Scan# 2836  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

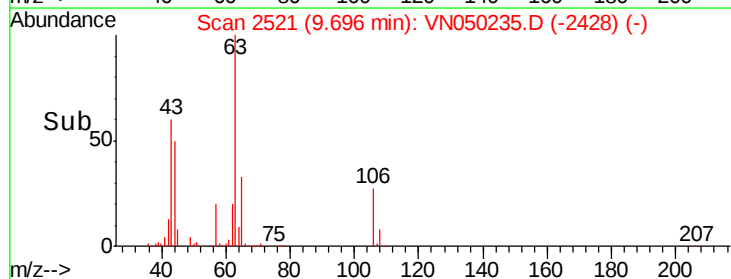
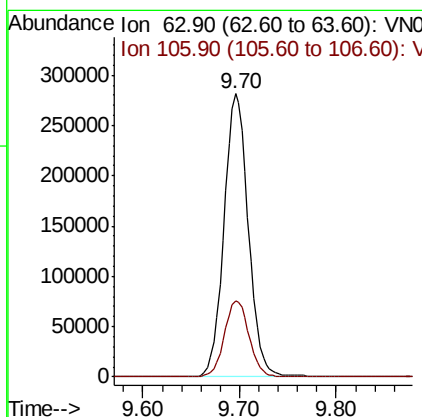
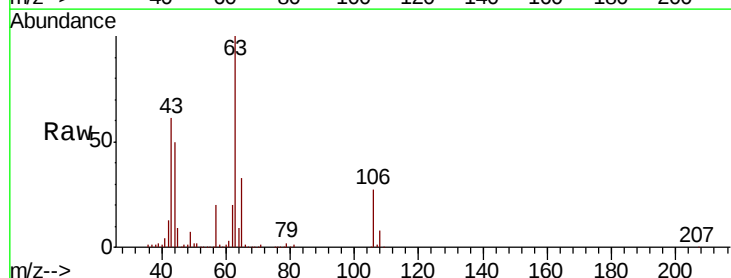
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBS01

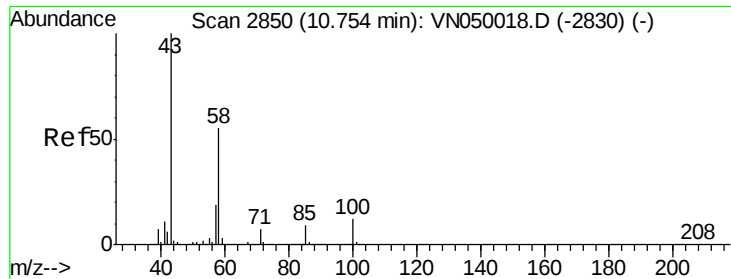
Tot Ion: 76 Resp: 290459  
 Ion Ratio Lower Upper  
 76 100  
 78 31.8 25.7 38.5



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 95.07 ug/l  
 RT: 9.70 min Scan# 2521  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 63 Resp: 491551  
 Ion Ratio Lower Upper  
 63 100  
 106 27.4 21.7 32.5

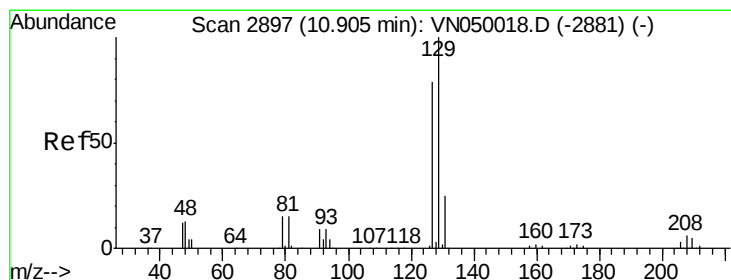
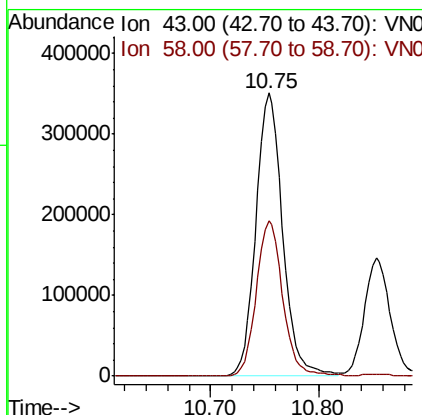
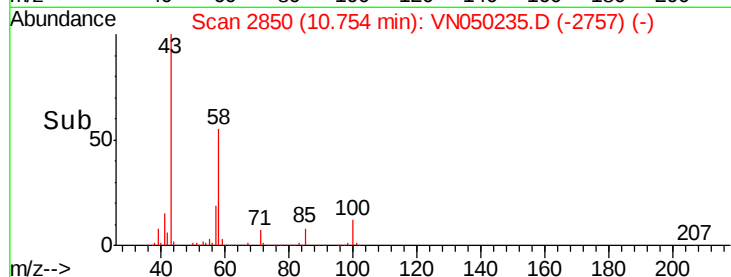
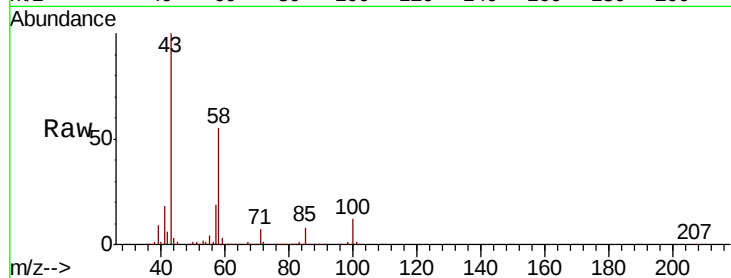




#59  
2-Hexanone  
Concen: 101.40 ug/l  
RT: 10.75 min Scan# 2850  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

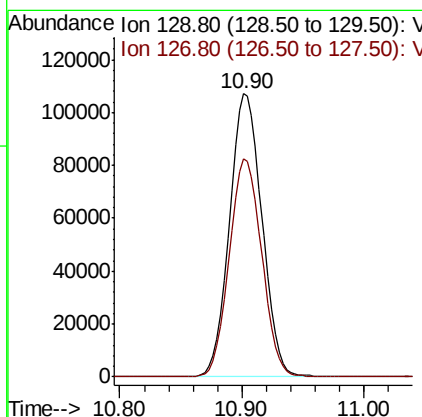
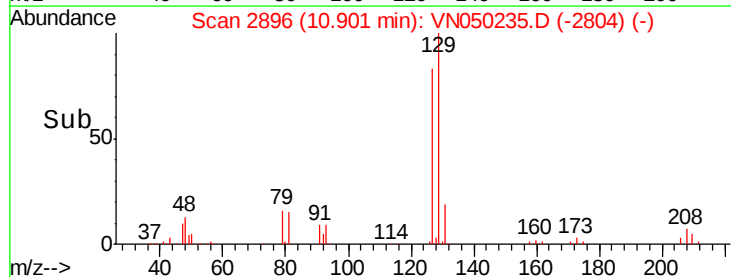
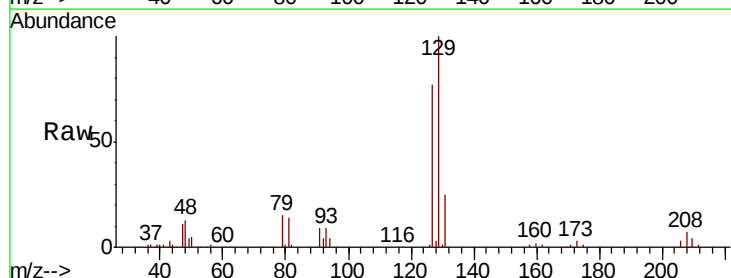
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

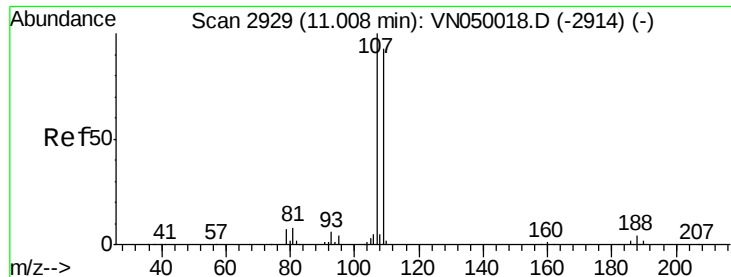
Tot Ion: 43 Resp: 602084  
Ion Ratio Lower Upper  
43 100  
58 54.4 27.6 82.7



#60  
Dibromochloromethane  
Concen: 20.67 ug/l  
RT: 10.90 min Scan# 2896  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Tgt Ion: 129 Resp: 198346  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.0 113.9

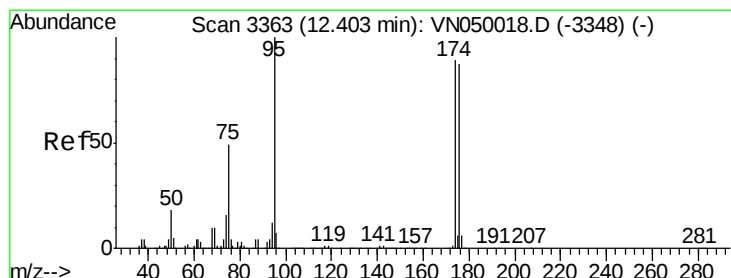
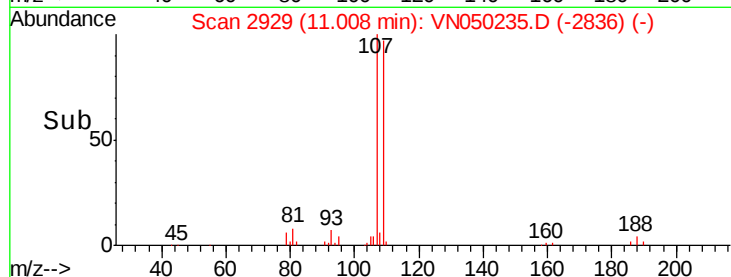
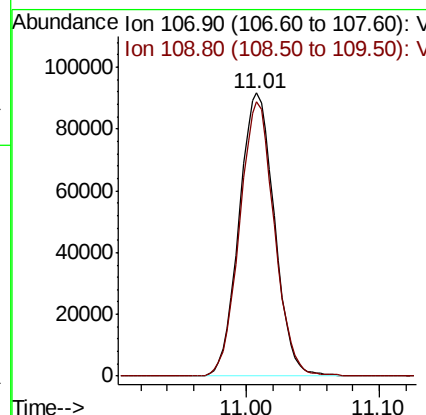
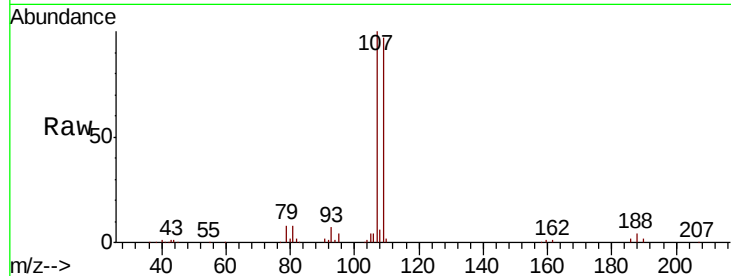




#61  
 1,2-Dibromoethane  
 Concen: 19.65 ug/l  
 RT: 11.01 min Scan# 2929  
 Delta R.T. 0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

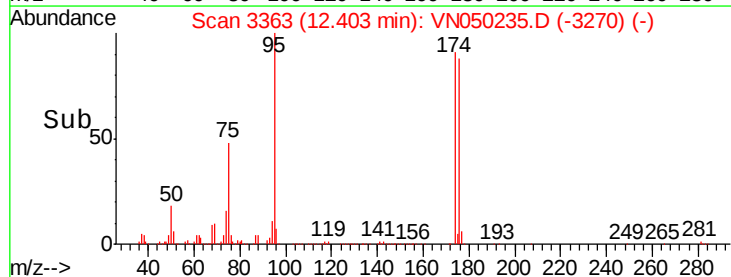
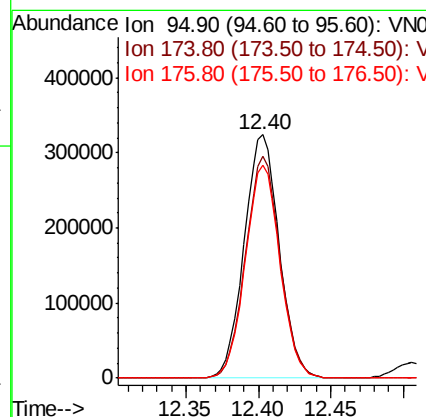
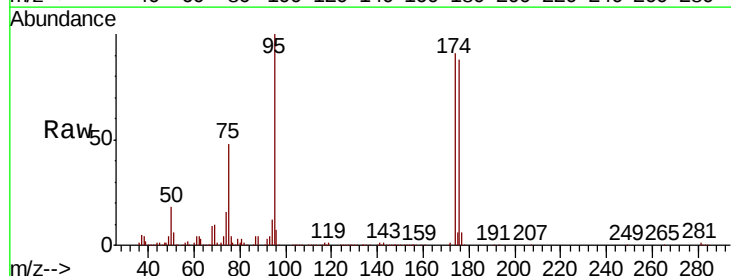
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0801WBS01

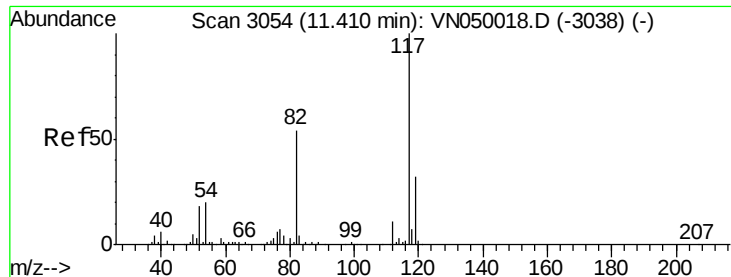
Tot Ion:107 Resp: 169040  
 Ion Ratio Lower Upper  
 107 100  
 109 95.8 74.6 112.0



#62  
 4-Bromofluorobenzene  
 Concen: 50.89 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion: 95 Resp: 543213  
 Ion Ratio Lower Upper  
 95 100  
 174 90.3 0.0 178.2  
 176 86.8 0.0 173.4

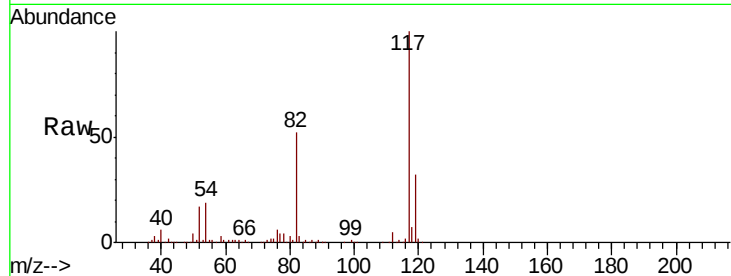




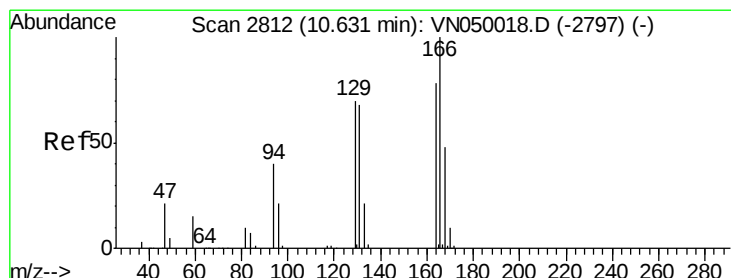
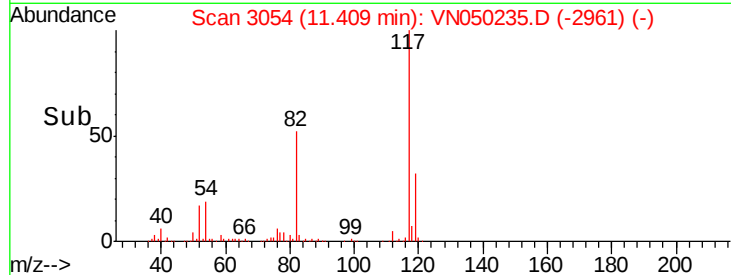
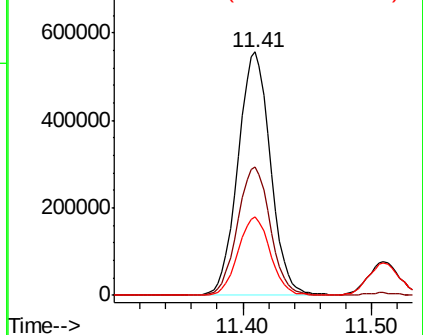
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.5  | 43.7  | 65.5  |
| 119     | 32.0  | 26.1  | 39.1  |



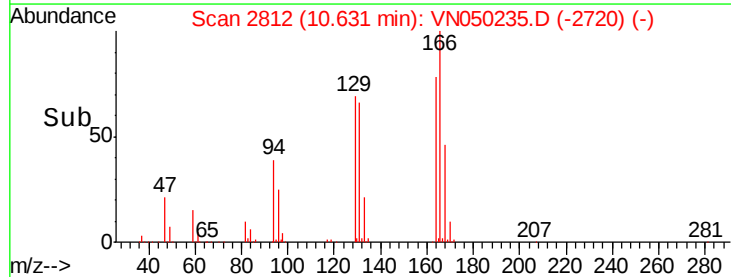
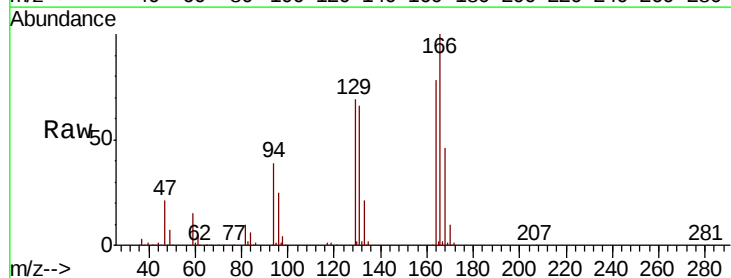
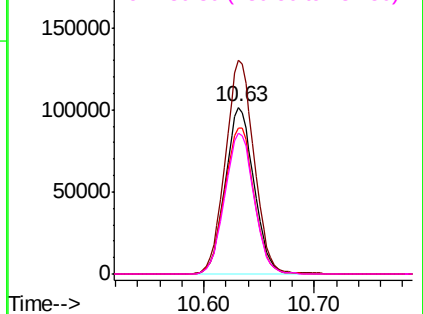
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

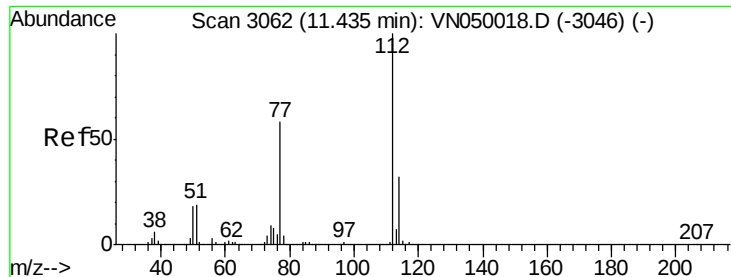


#64  
Tetrachloroethene  
Concen: 19.55 ug/l  
RT: 10.63 min Scan# 2812  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 128.3 | 102.1 | 153.1 |
| 129     | 88.0  | 73.2  | 109.8 |
| 131     | 84.4  | 70.6  | 106.0 |

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

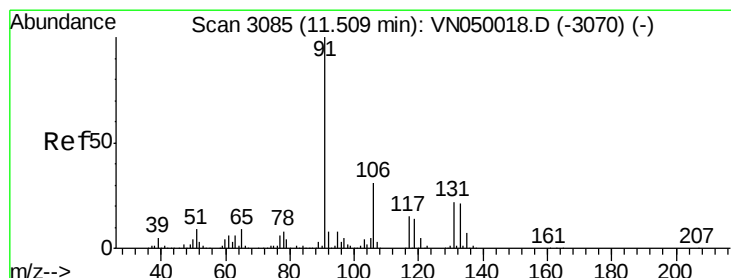
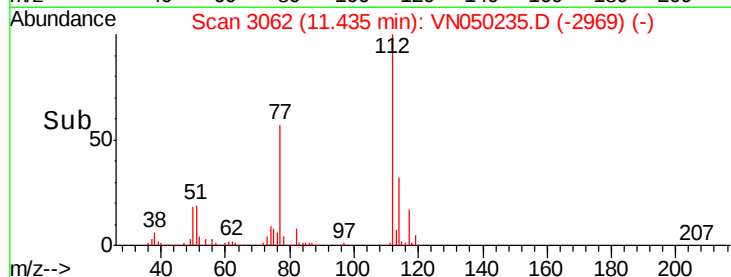
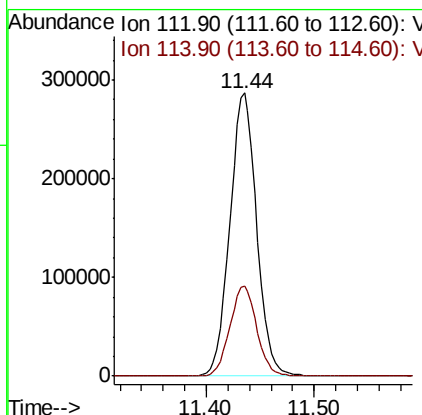
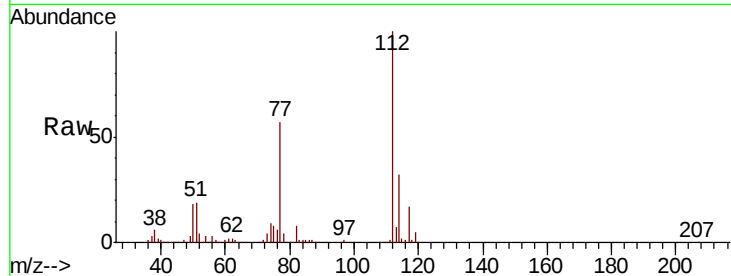




#65  
Chlorobenzene  
Concen: 20.10 ug/l  
RT: 11.44 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

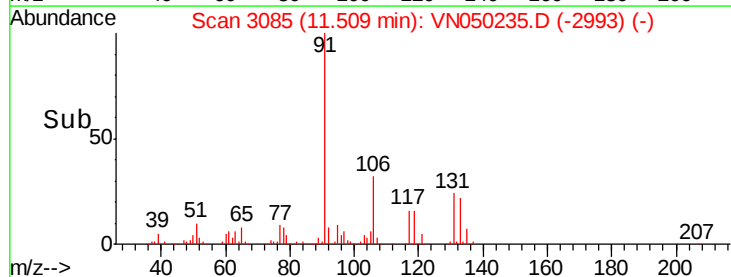
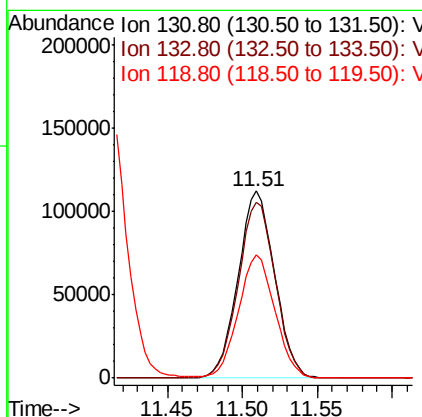
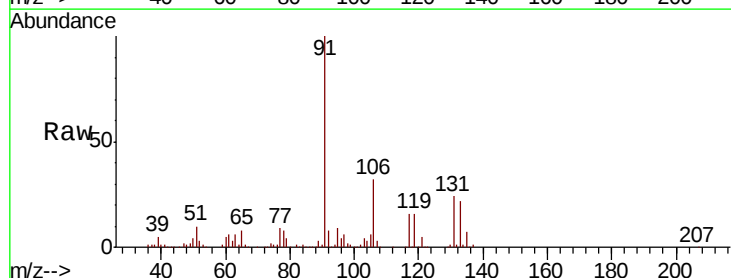
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

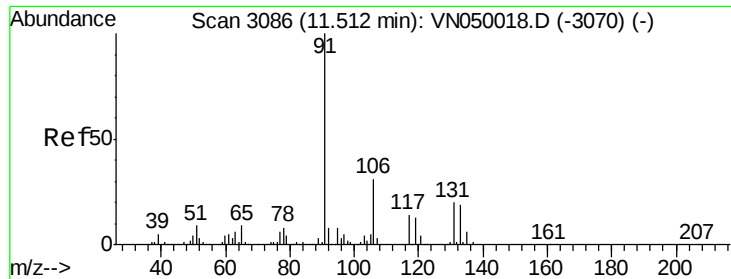
Tot Ion:112 Resp: 495631  
Ion Ratio Lower Upper  
112 100  
114 31.9 25.6 38.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.19 ug/l  
RT: 11.51 min Scan# 3085  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Tgt Ion:131 Resp: 191262  
Ion Ratio Lower Upper  
131 100  
133 95.2 47.3 141.9  
119 65.9 32.9 98.7





#67

Ethyl Benzene

Concen: 20.71 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampled :

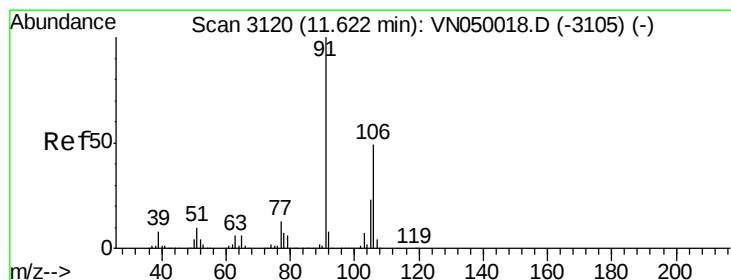
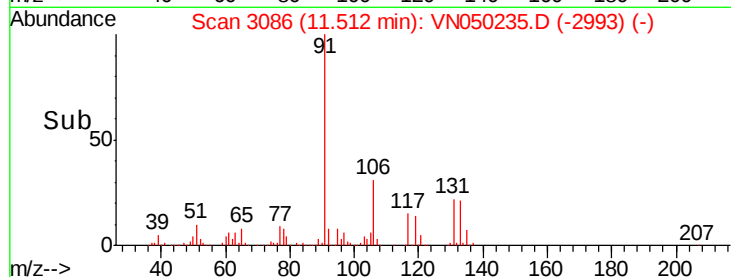
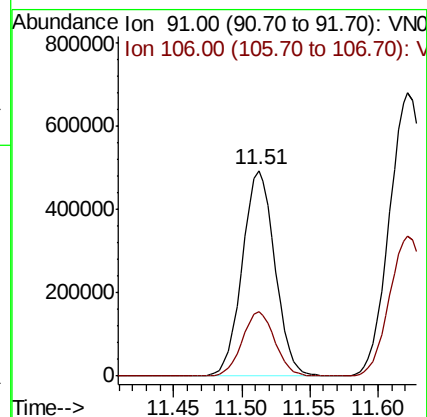
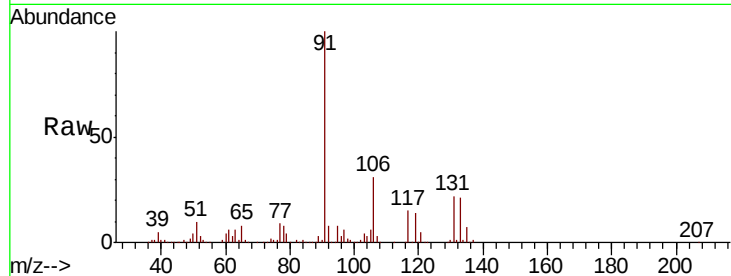
VN0801WBS01

Tot Ion: 91 Resp: 820240

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 42.99 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050235.D

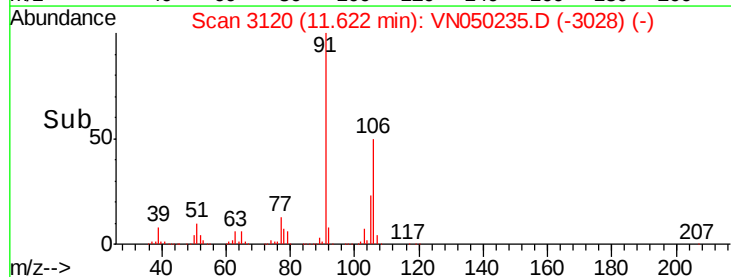
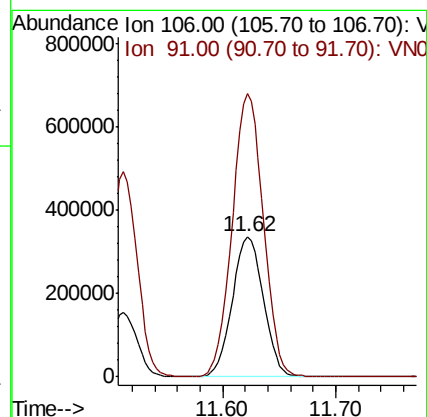
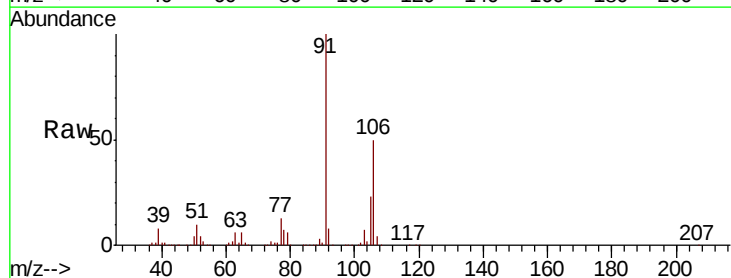
Acq: 1 Aug 2018 9:21

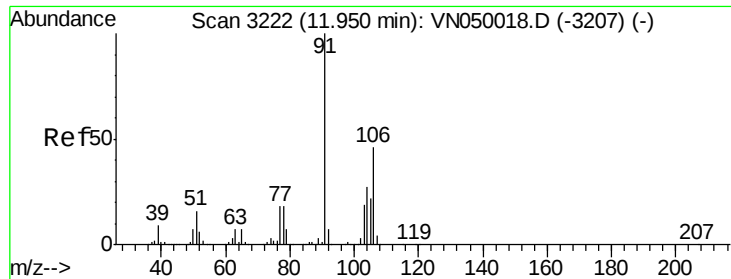
Tgt Ion: 106 Resp: 644059

Ion Ratio Lower Upper

106 100

91 201.6 162.2 243.2

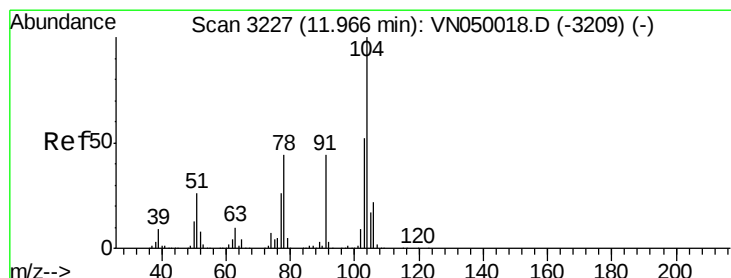
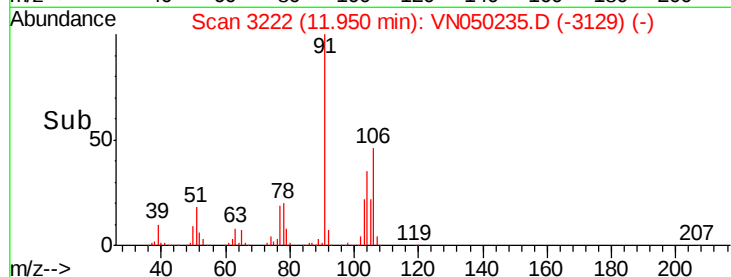
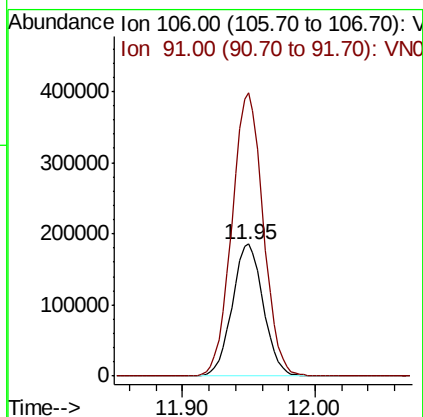
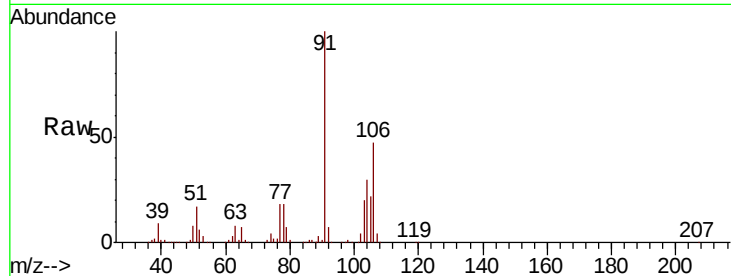




#69  
o-Xylene  
Concen: 21.08 ug/l  
RT: 11.95 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

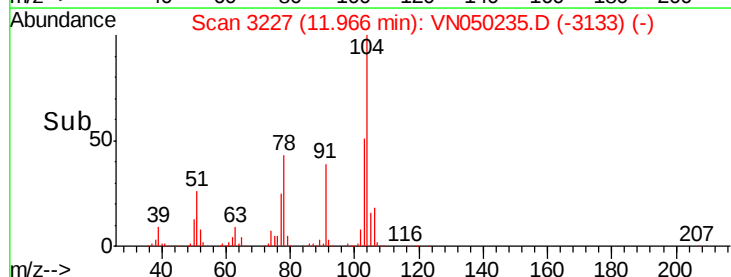
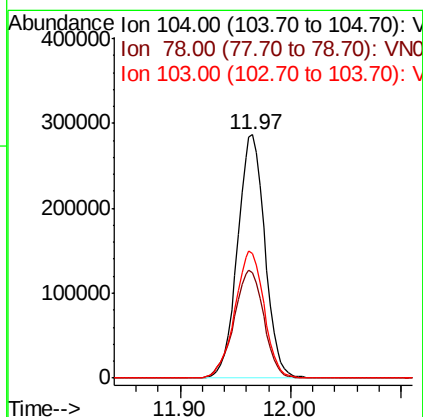
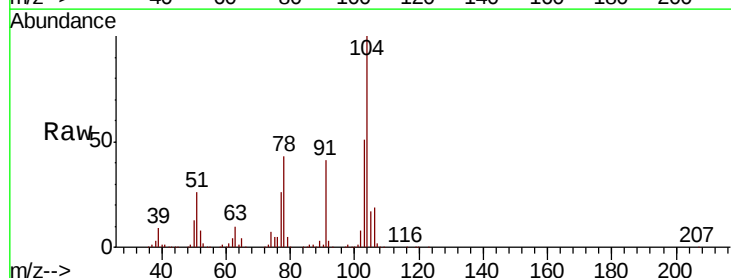
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0801WBS01

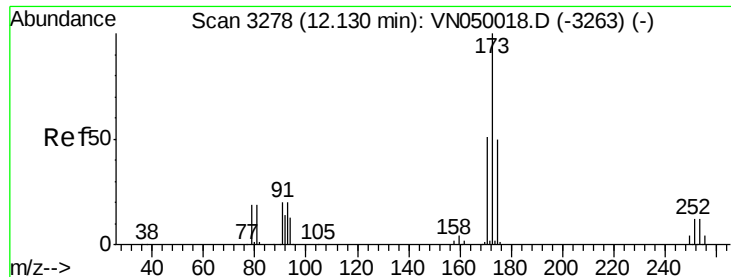
Tot Ion:106 Resp: 301136  
Ion Ratio Lower Upper  
106 100  
91 216.3 107.7 323.1



#70  
Styrene  
Concen: 19.92 ug/l  
RT: 11.97 min Scan# 3227  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Tgt Ion:104 Resp: 491654  
Ion Ratio Lower Upper  
104 100  
78 48.6 39.3 58.9  
103 55.8 45.0 67.6





#71

Bromoform

Concen: 19.79 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

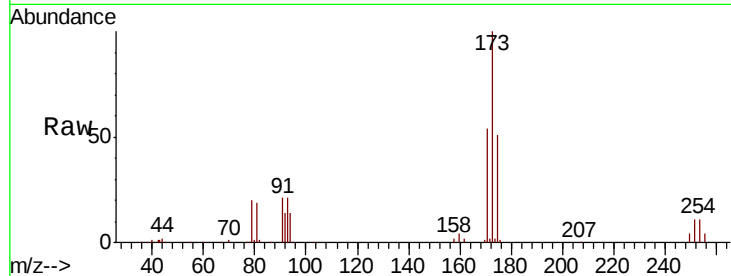
Tot Ion:173 Resp: 136405

Ion Ratio Lower Upper

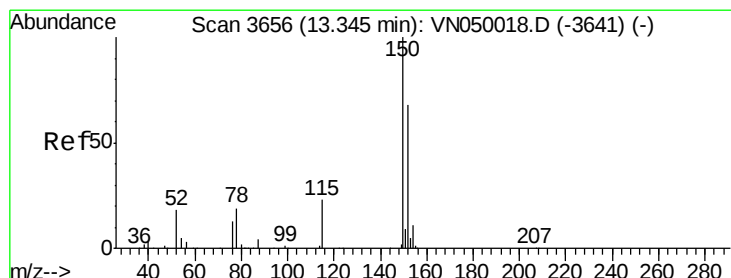
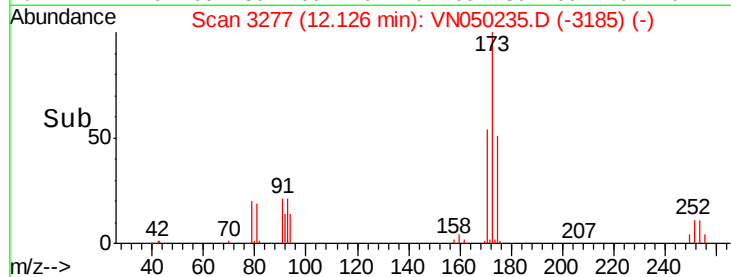
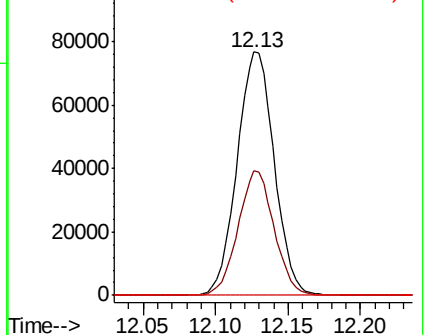
173 100

175 49.5 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: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

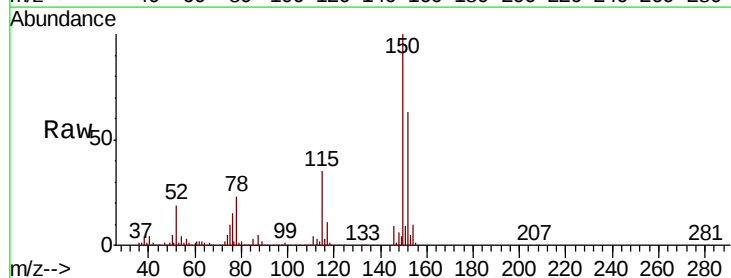
Tgt Ion:152 Resp: 495660

Ion Ratio Lower Upper

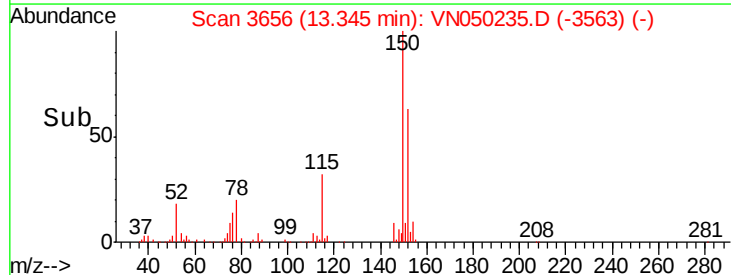
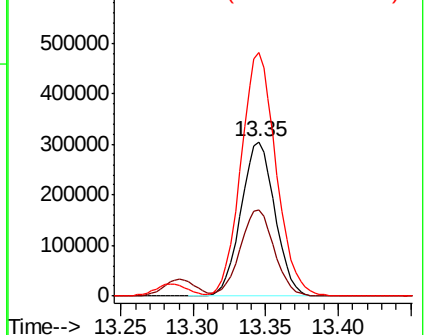
152 100

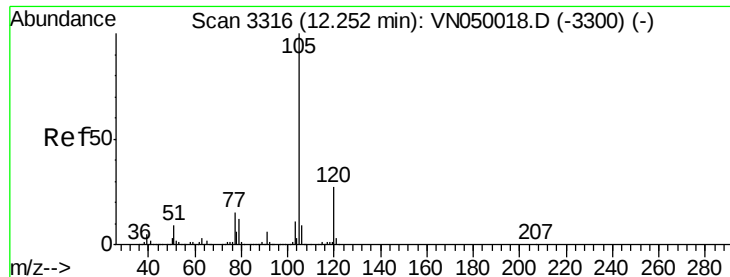
115 55.8 27.8 83.3

150 163.9 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: 21.22 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

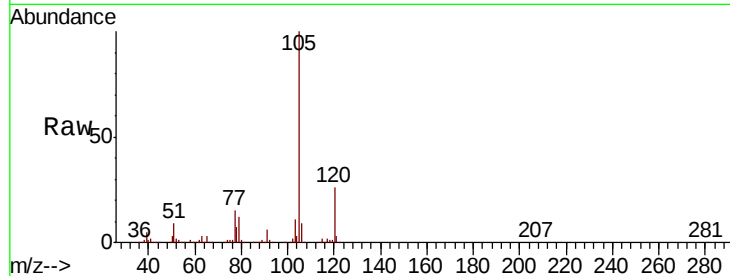
VN0801WBS01

Tot Ion:105 Resp: 815719

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

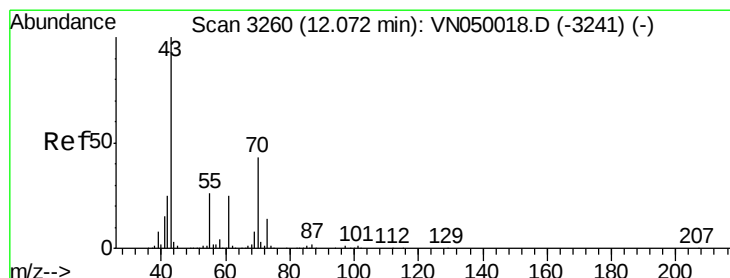
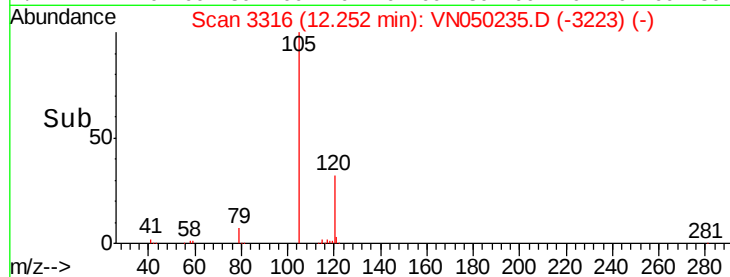
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.82 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Tgt Ion: 43 Resp: 232907

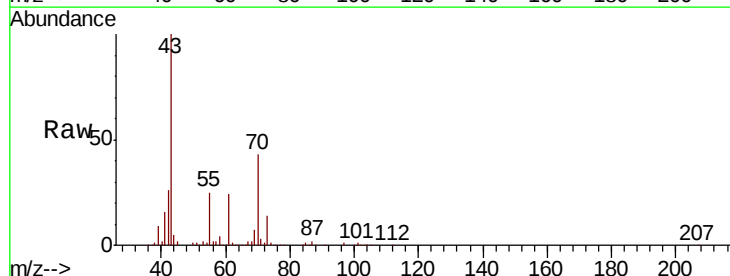
Ion Ratio Lower Upper

43 100

70 43.0 34.4 51.6

55 26.2 20.8 31.2

61 25.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

200000

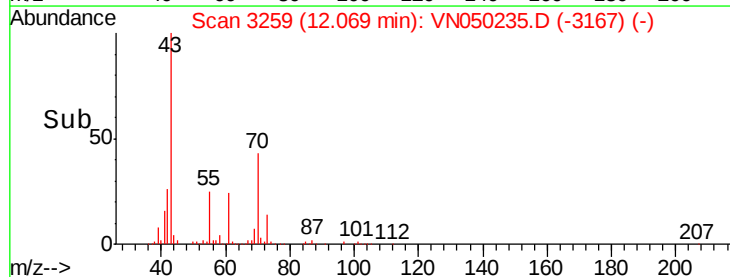
150000

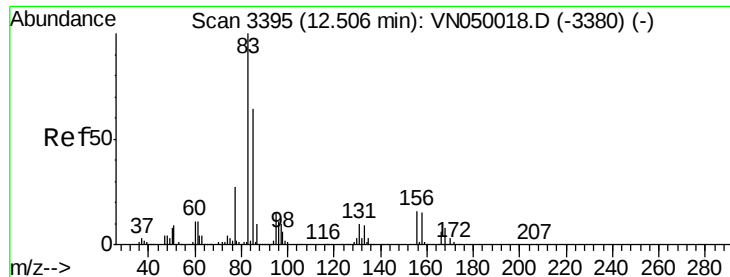
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.28 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

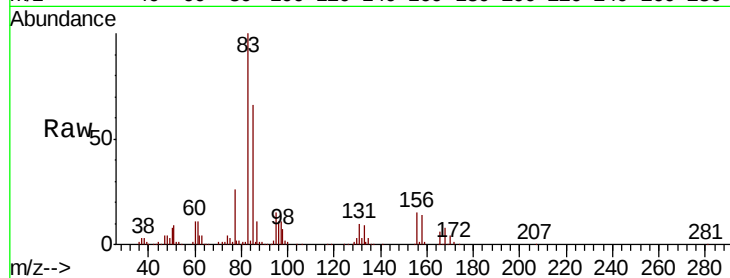
Tot Ion: 83 Resp: 228885

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.3

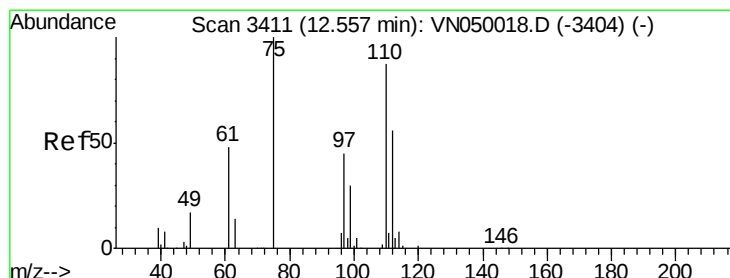
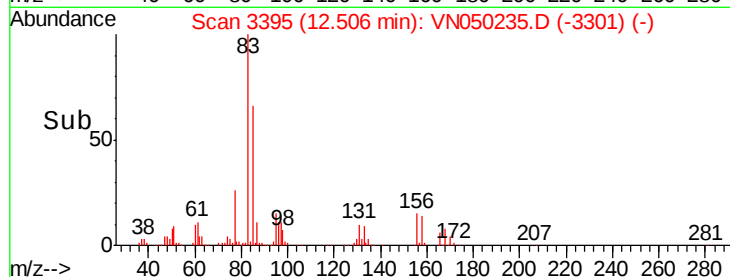
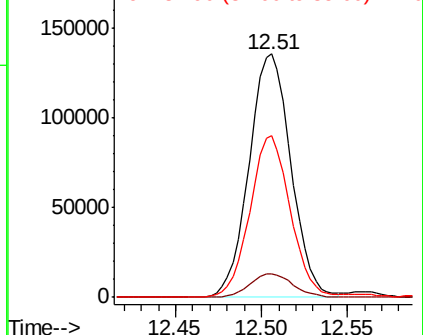
85 63.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.85 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050235.D

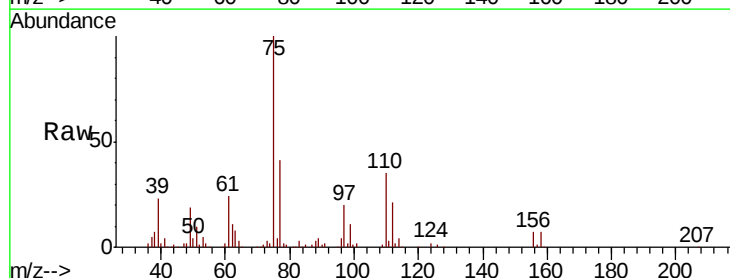
Acq: 1 Aug 2018 9:21

Tgt Ion: 75 Resp: 274948

Ion Ratio Lower Upper

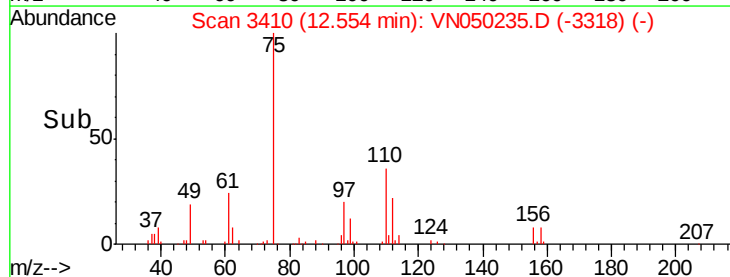
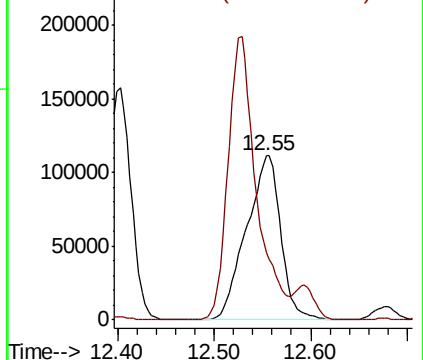
75 100

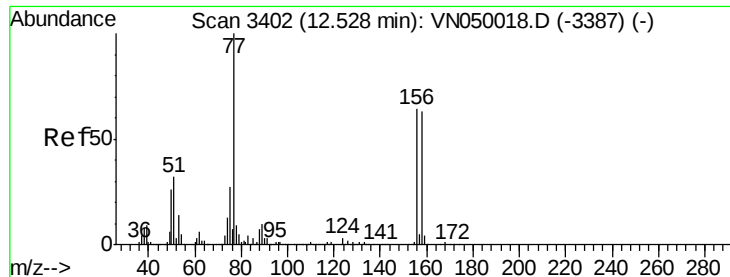
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.63 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampled :

VN0801WBS01

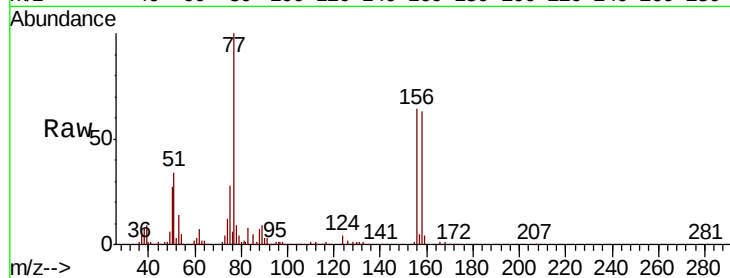
Tot Ion:156 Resp: 209188

Ion Ratio Lower Upper

156 100

77 186.9 91.7 275.1

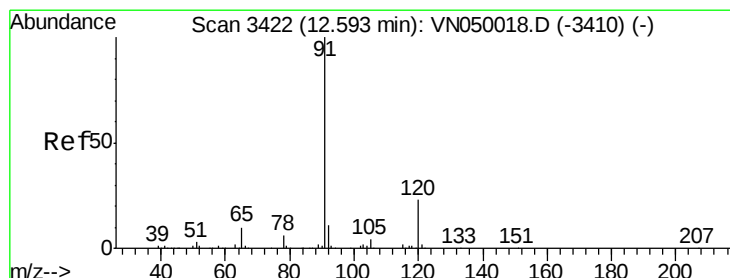
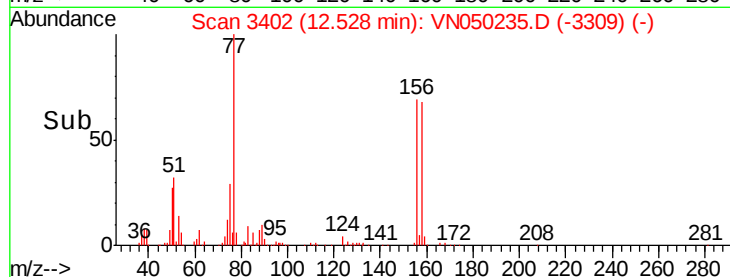
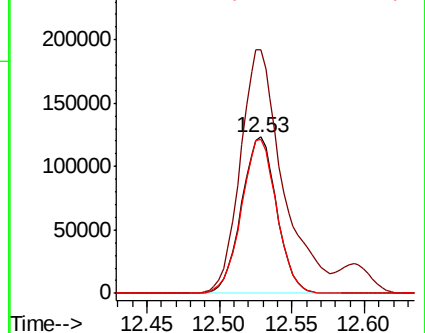
158 98.4 48.9 146.6



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: 21.93 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050235.D

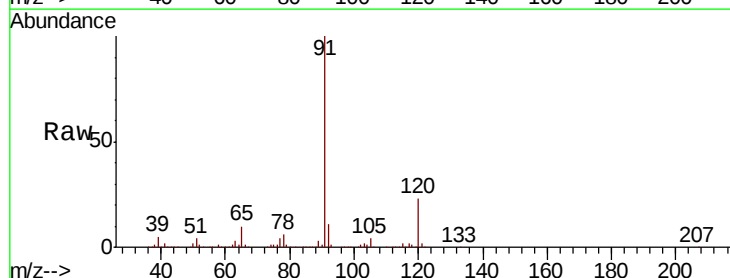
Acq: 1 Aug 2018 9:21

Tgt Ion: 91 Resp: 942384

Ion Ratio Lower Upper

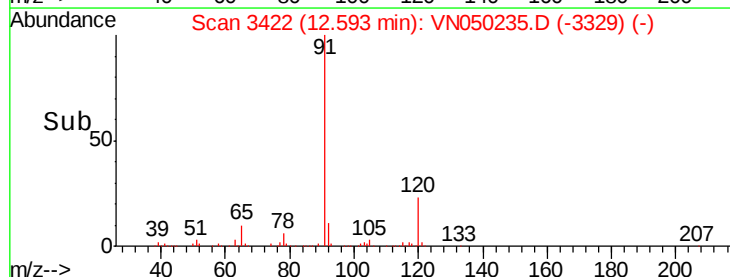
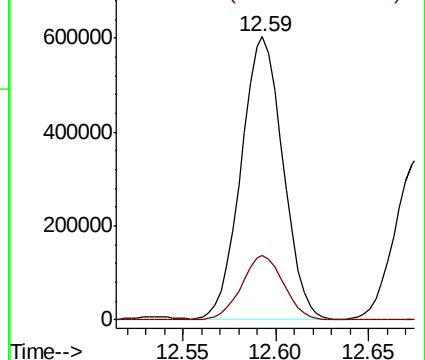
91 100

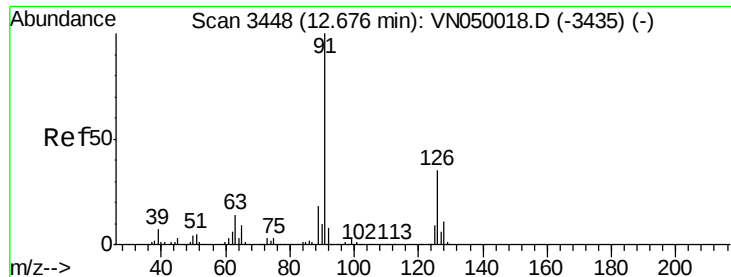
120 22.8 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.39 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

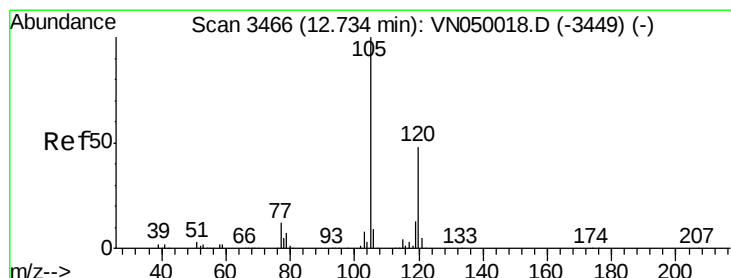
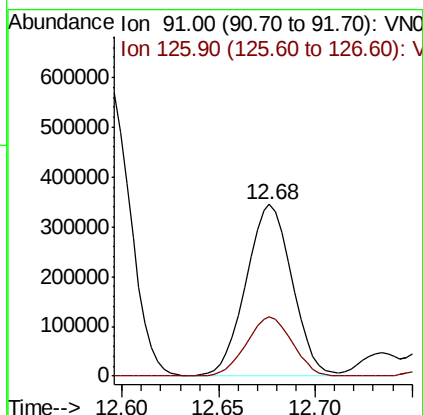
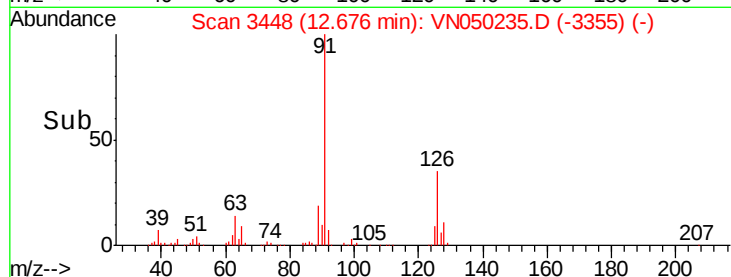
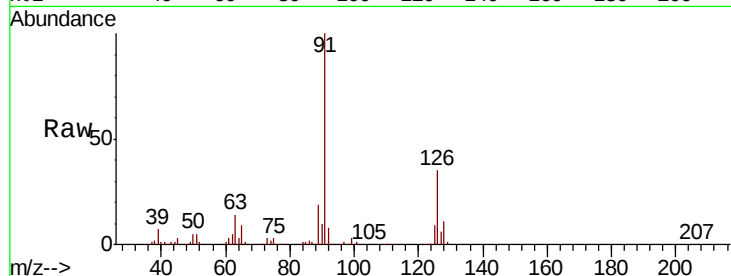
VN0801WBS01

Tot Ion: 91 Resp: 569705

Ion Ratio Lower Upper

91 100

126 34.5 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 22.33 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050235.D

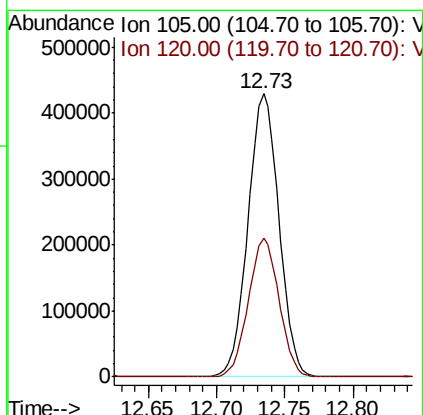
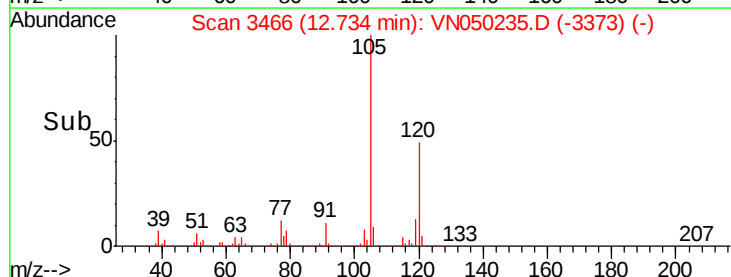
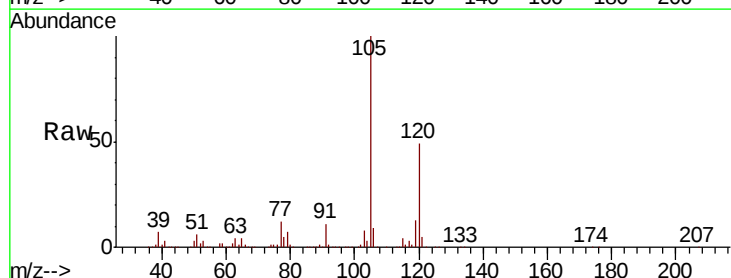
Acq: 1 Aug 2018 9:21

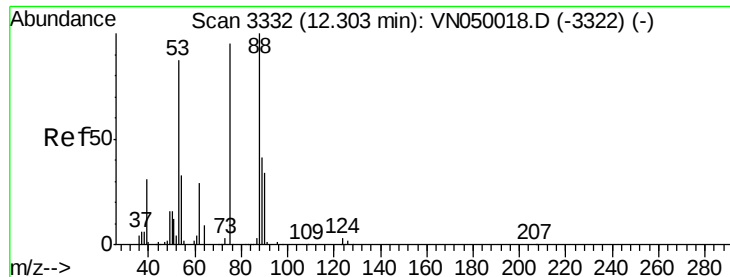
Tgt Ion:105 Resp: 675104

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.37 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

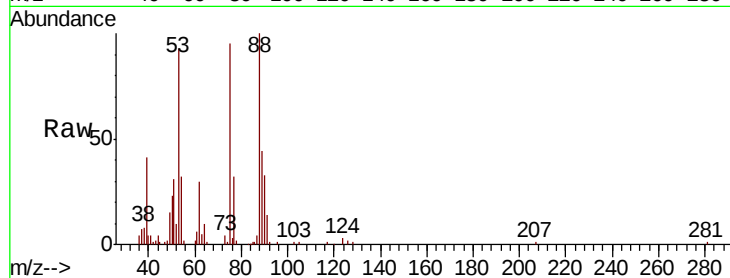
Tot Ion: 75 Resp: 59158

Ion Ratio Lower Upper

75 100

53 97.7 73.5 110.3

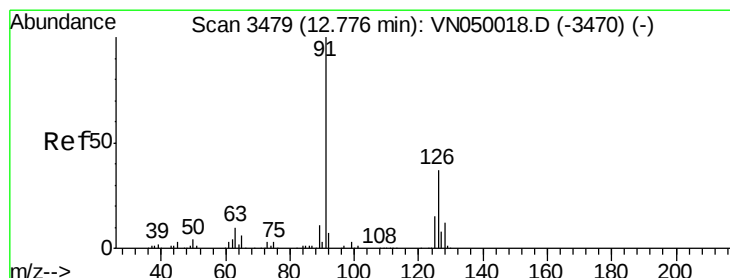
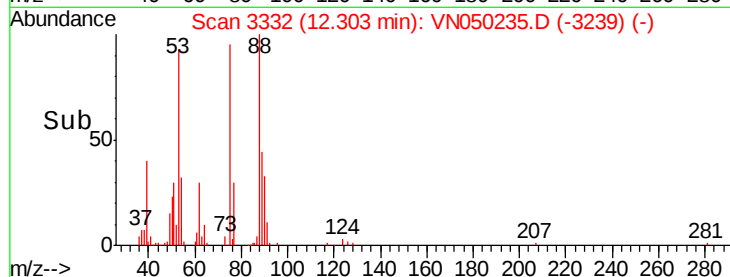
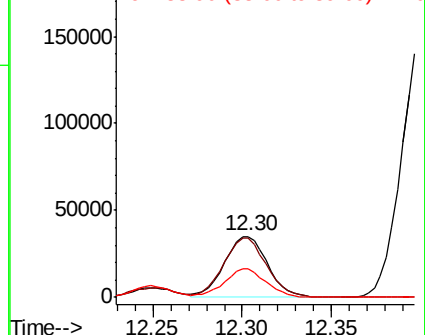
89 45.7 36.0 54.0



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: 21.78 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050235.D

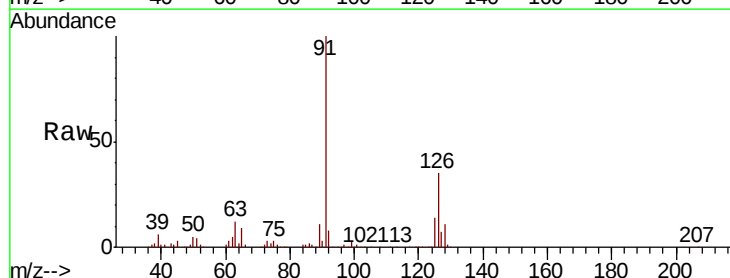
Acq: 1 Aug 2018 9:21

Tgt Ion: 91 Resp: 574393

Ion Ratio Lower Upper

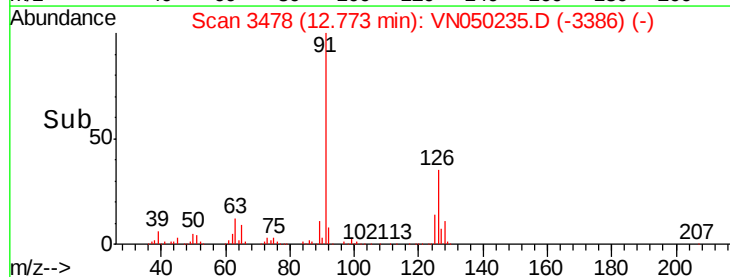
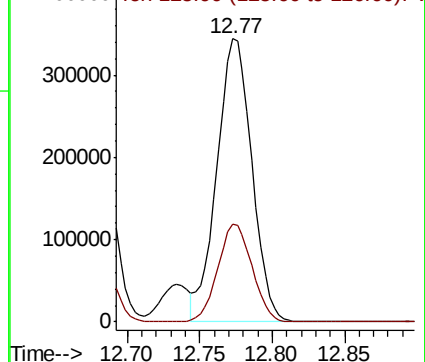
91 100

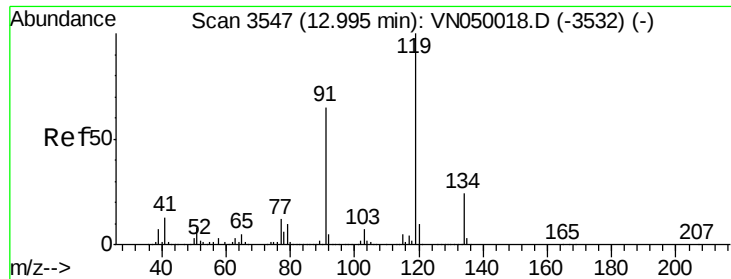
126 33.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

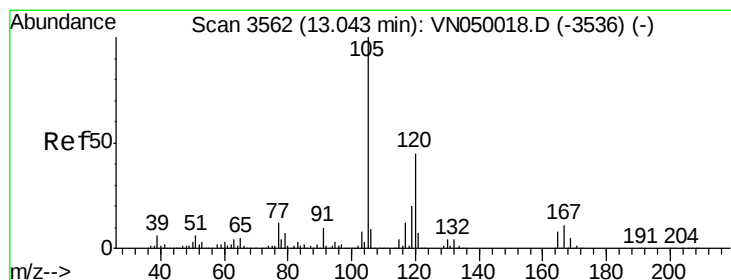
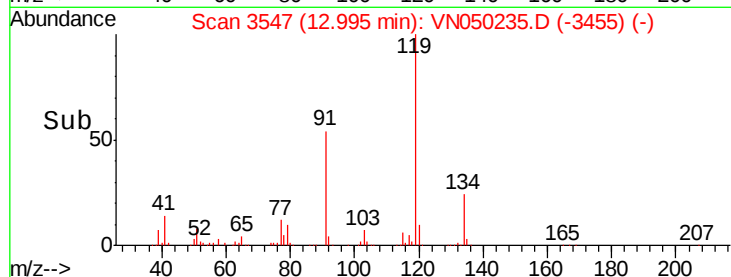
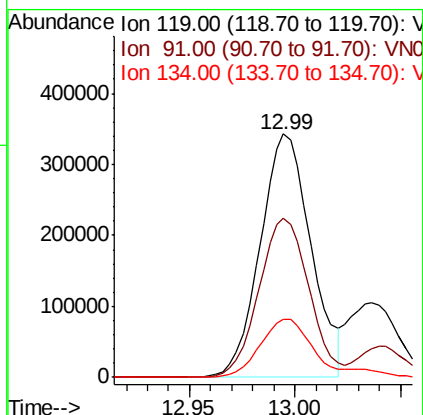
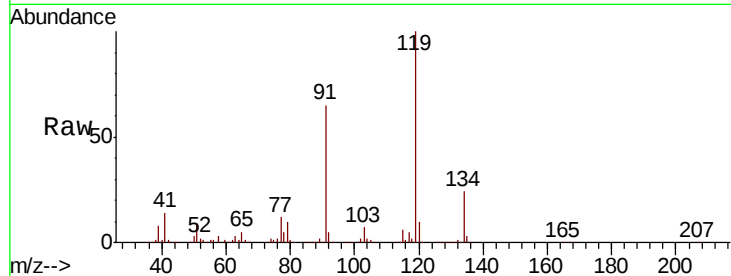




#83  
 tert-Butylbenzene  
 Concen: 21.78 ug/l  
 RT: 12.99 min Scan# 3547  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

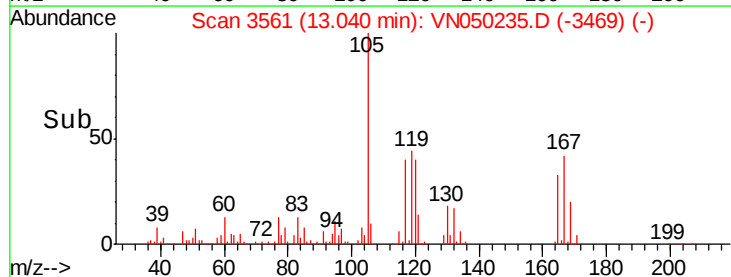
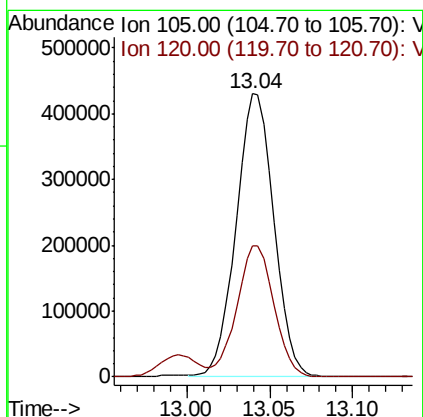
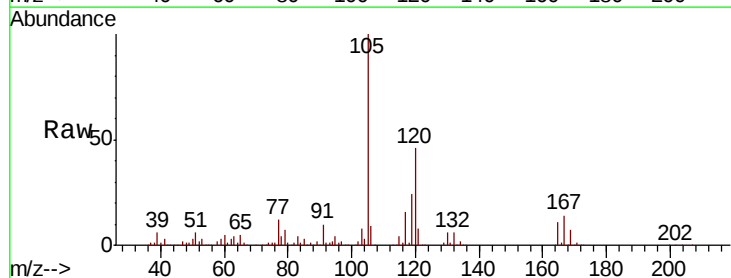
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 VN0801WBS01

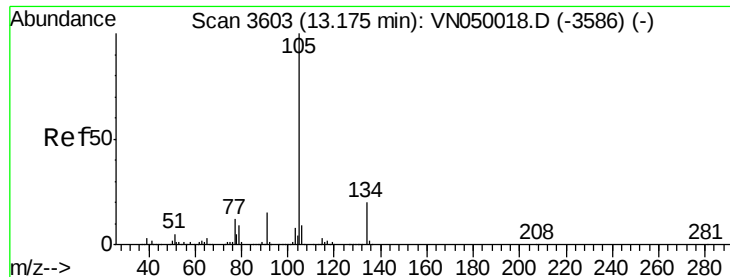
Tot Ion:119 Resp: 574606  
 Ion Ratio Lower Upper  
 119 100  
 91 64.5 32.1 96.3  
 134 26.5 13.2 39.5



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.33 ug/l  
 RT: 13.04 min Scan# 3561  
 Delta R.T. -0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion:105 Resp: 680485  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 22.9 68.7





#85

sec-Butylbenzene

Concen: 22.06 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampled :

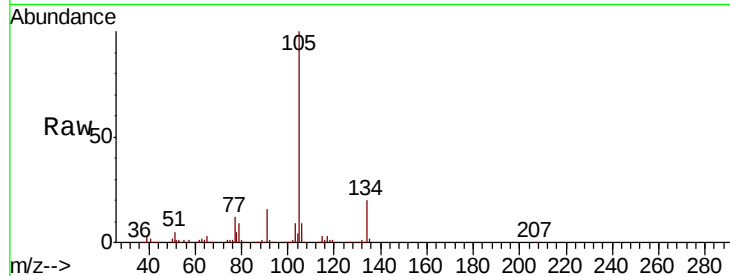
VN0801WBS01

Tot Ion:105 Resp: 777688

Ion Ratio Lower Upper

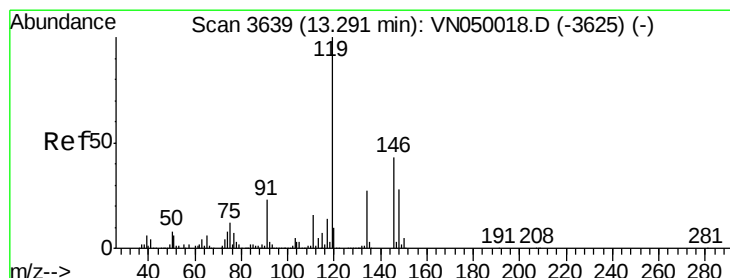
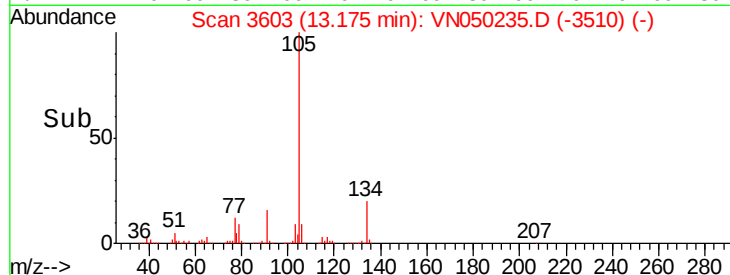
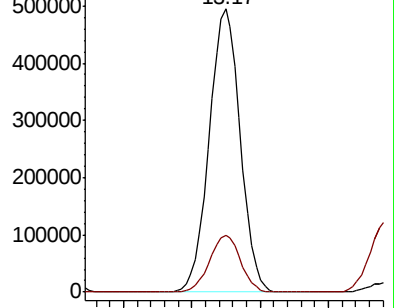
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.62 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

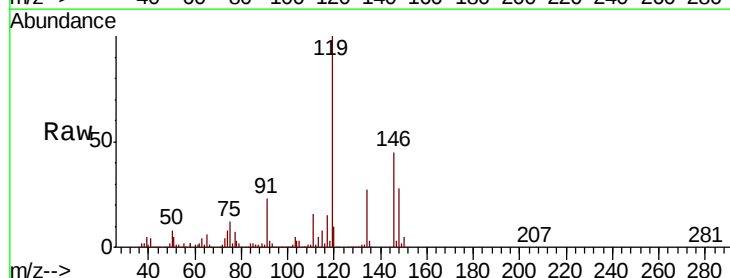
Tgt Ion:119 Resp: 672038

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

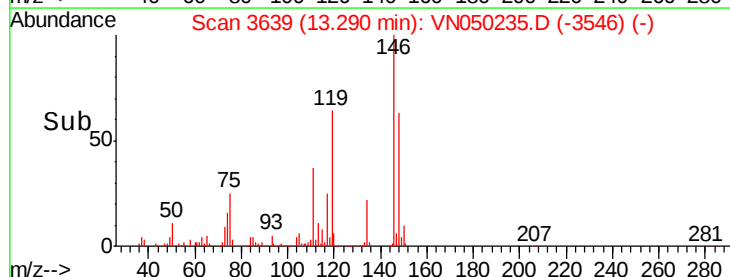
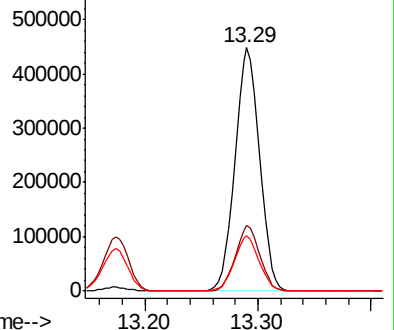
91 22.7 11.4 34.2

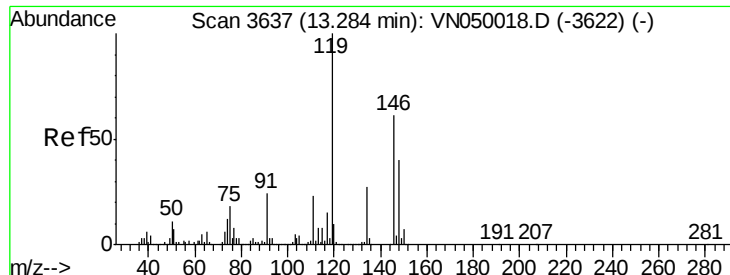


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.46 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0801WBS01

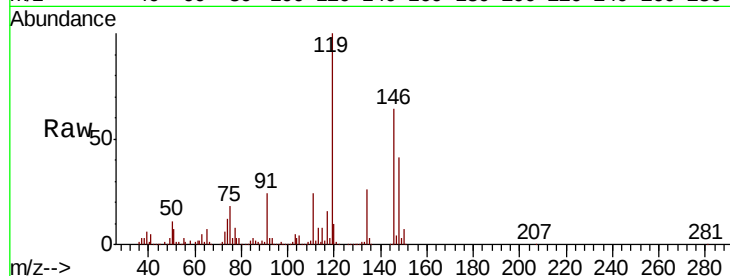
Tot Ion:146 Resp: 369578

Ion Ratio Lower Upper

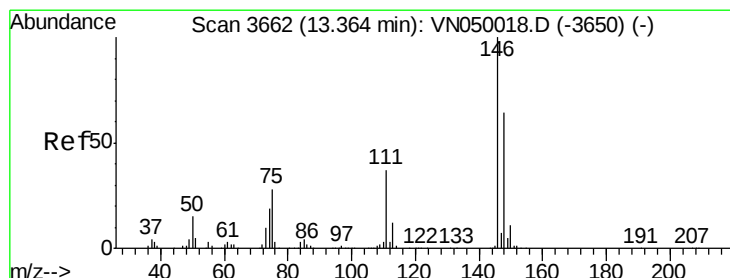
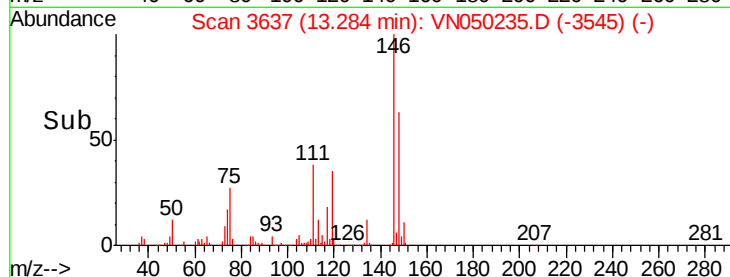
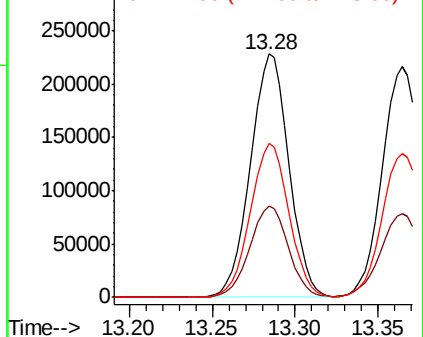
146 100

111 37.8 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: 20.42 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

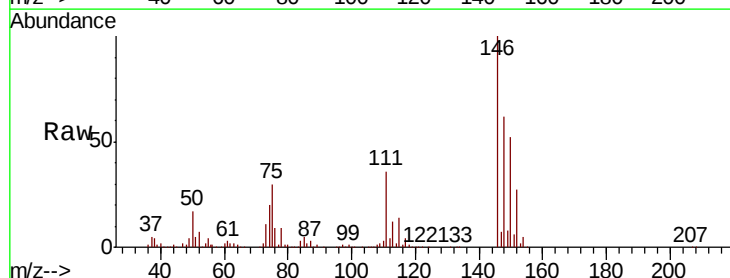
Tgt Ion:146 Resp: 359482

Ion Ratio Lower Upper

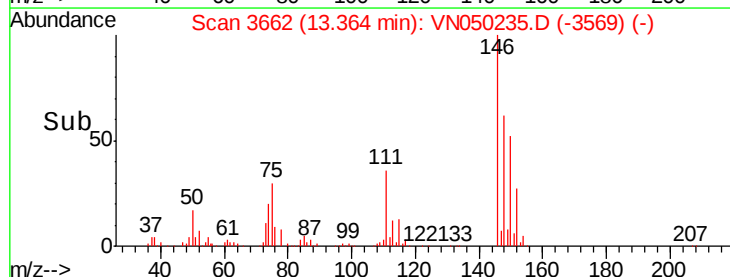
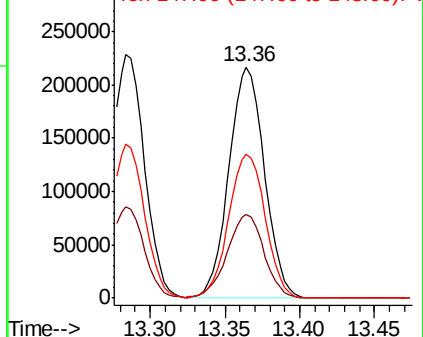
146 100

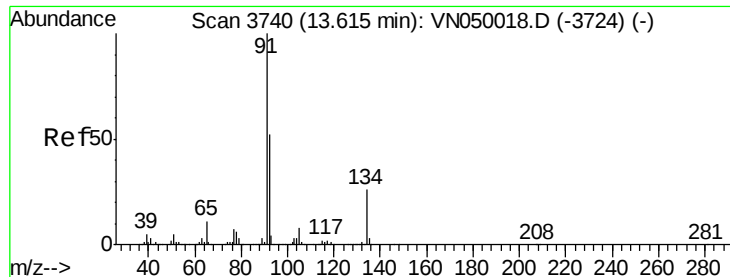
111 37.6 18.3 54.9

148 63.9 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

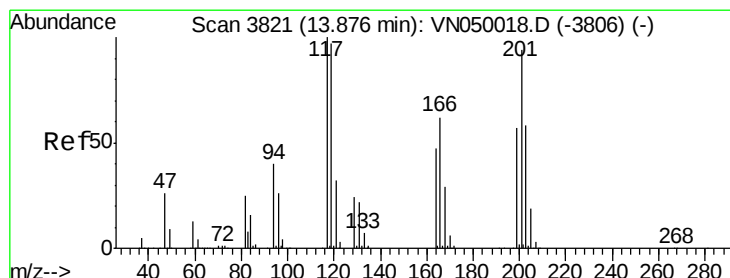
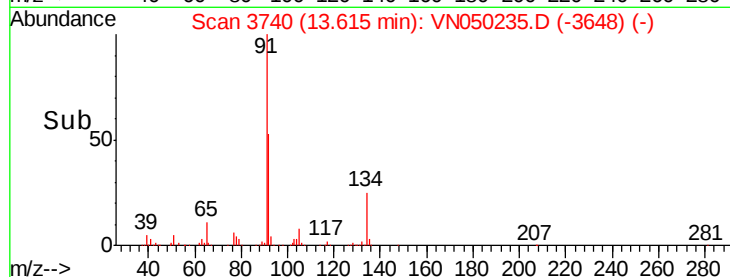
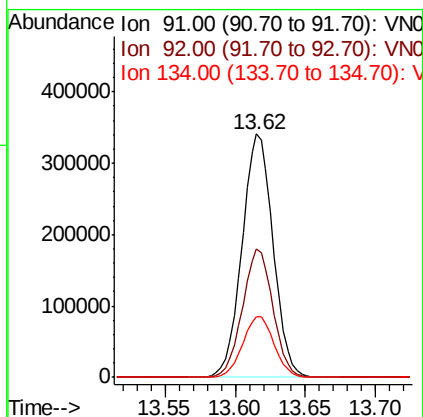
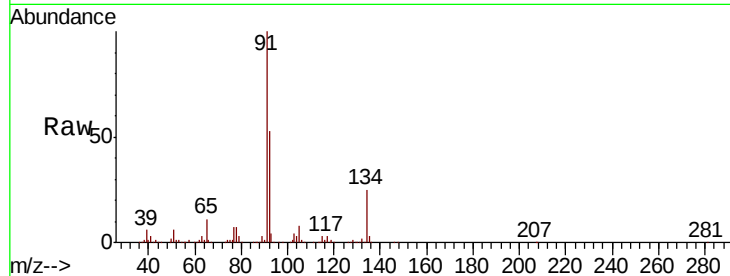




#89  
n-Butylbenzene  
Concen: 21.52 ug/l  
RT: 13.62 min Scan# 3740  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

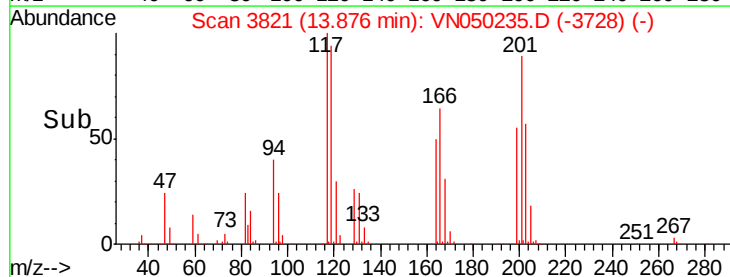
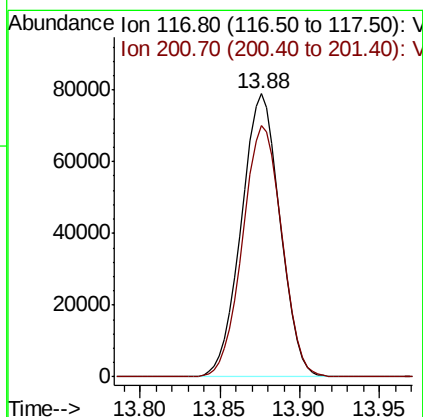
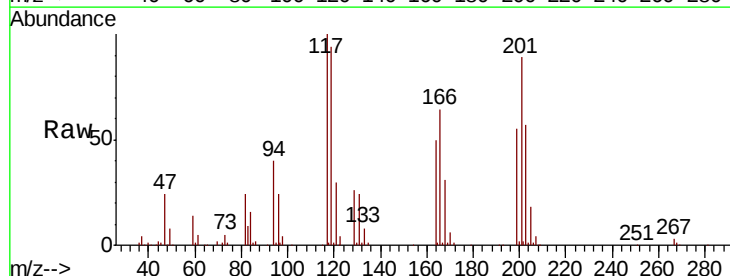
Instrument :  
MSVOA\_N  
ClientSampled :  
VN0801WBS01

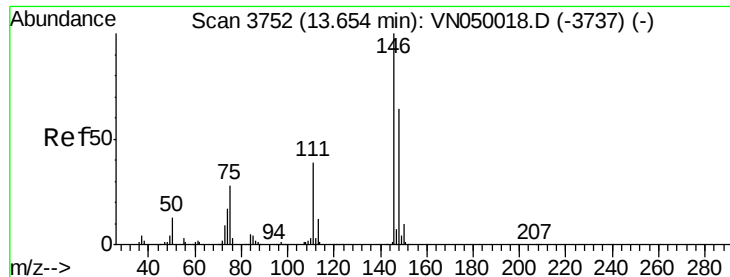
Tot Ion: 91 Resp: 525708  
Ion Ratio Lower Upper  
91 100  
92 51.7 25.8 77.4  
134 25.3 12.8 38.4



#90  
Hexachloroethane  
Concen: 19.74 ug/l  
RT: 13.88 min Scan# 3821  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Tgt Ion: 117 Resp: 130230  
Ion Ratio Lower Upper  
117 100  
201 89.9 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 20.04 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

Instrument :

MSVOA\_N

ClientSampled :

VN0801WBS01

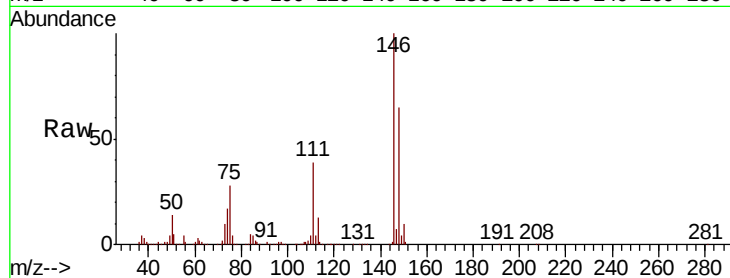
Tot Ion:146 Resp: 361729

Ion Ratio Lower Upper

146 100

111 39.9 19.6 58.7

148 64.3 32.1 96.3

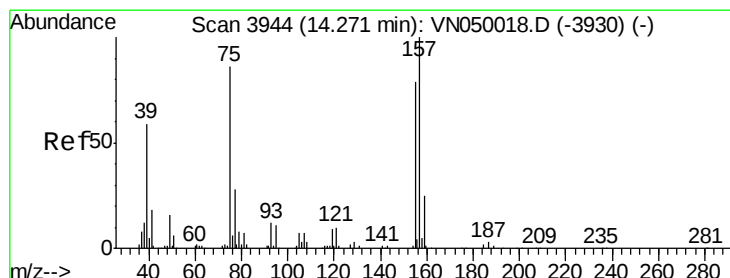
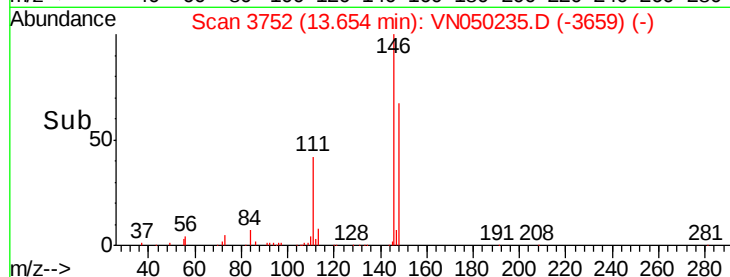
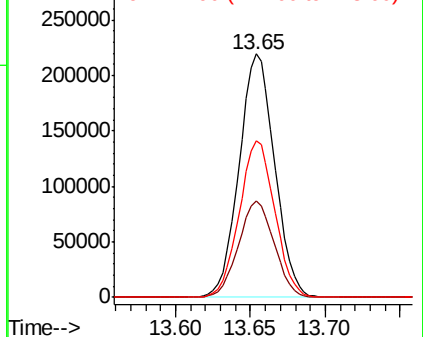


Abundance

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: 18.89 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050235.D

Acq: 1 Aug 2018 9:21

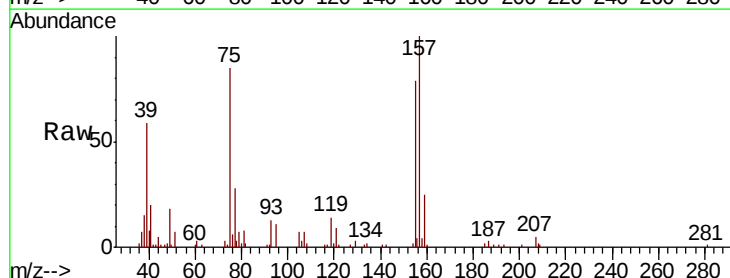
Tgt Ion: 75 Resp: 33212

Ion Ratio Lower Upper

75 100

155 91.8 44.8 134.4

157 118.8 57.2 171.6

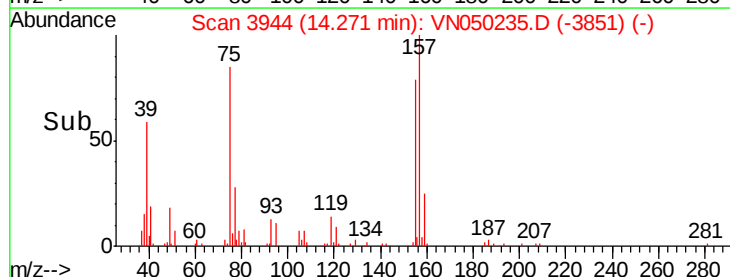
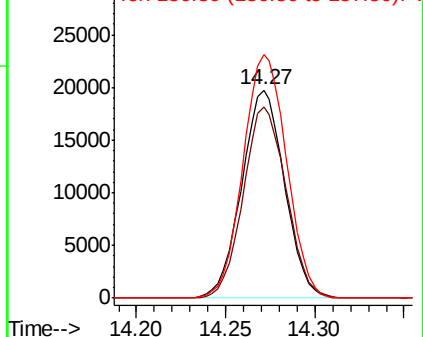


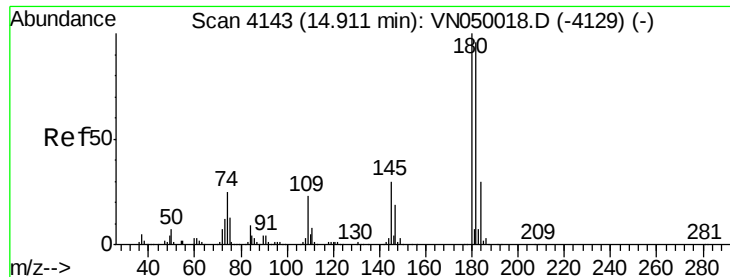
Abundance

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

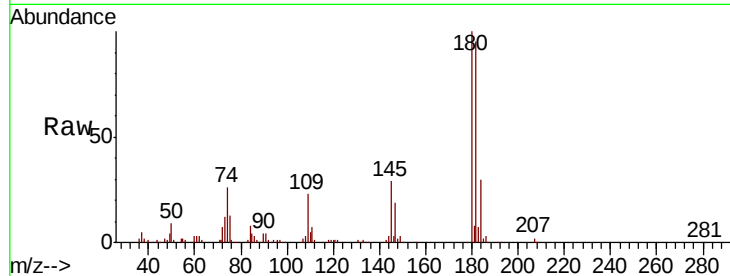




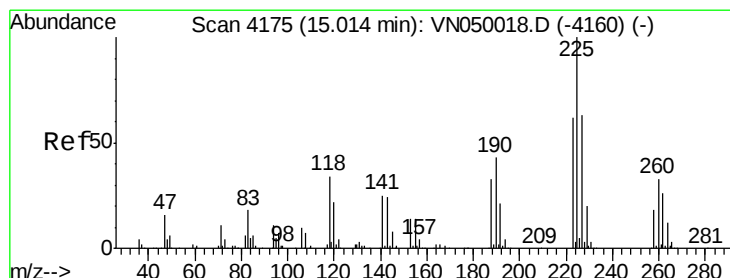
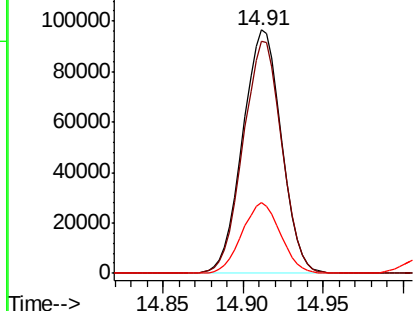
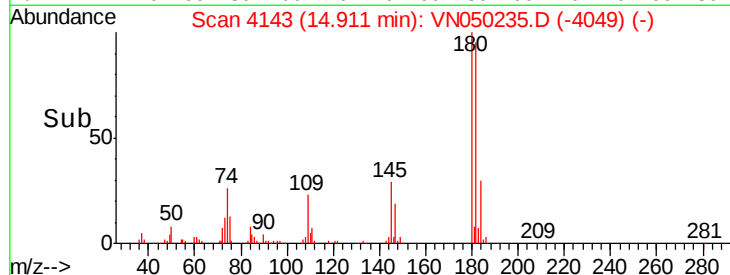
#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.74 ug/l  
 RT: 14.91 min Scan# 4143  
 Delta R.T. 0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0801WBS01

Tot Ion:180 Resp: 159701  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 46.7 140.1  
 145 29.0 13.8 41.4

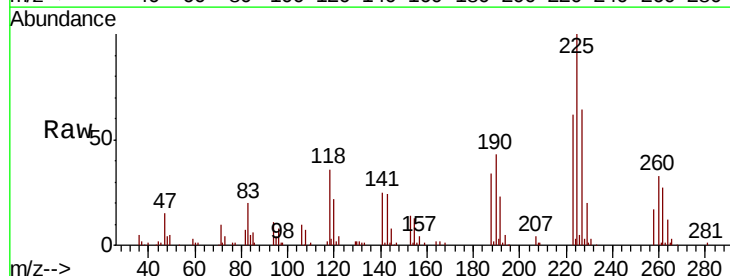


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

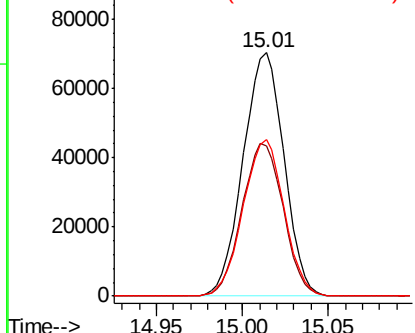
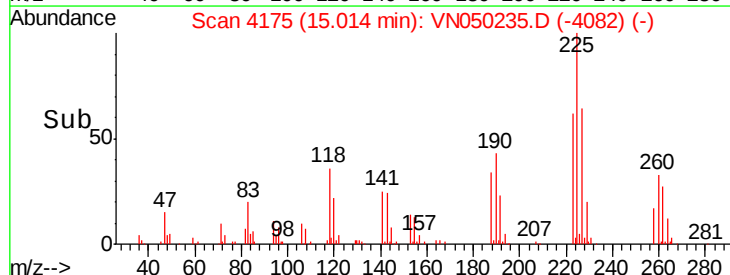


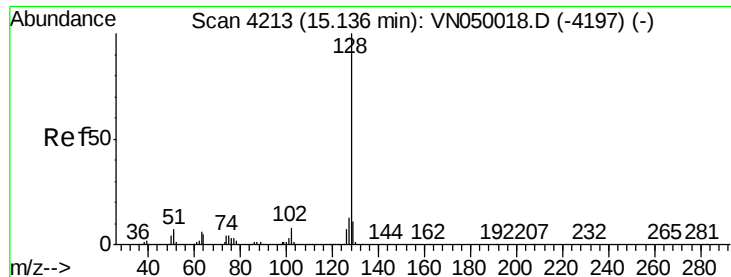
#94  
 Hexachlorobutadiene  
 Concen: 21.05 ug/l  
 RT: 15.01 min Scan# 4175  
 Delta R.T. 0.00 min  
 Lab File: VN050235.D  
 Acq: 1 Aug 2018 9:21

Tgt Ion:225 Resp: 116349  
 Ion Ratio Lower Upper  
 225 100  
 223 63.2 31.4 94.2  
 227 64.3 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

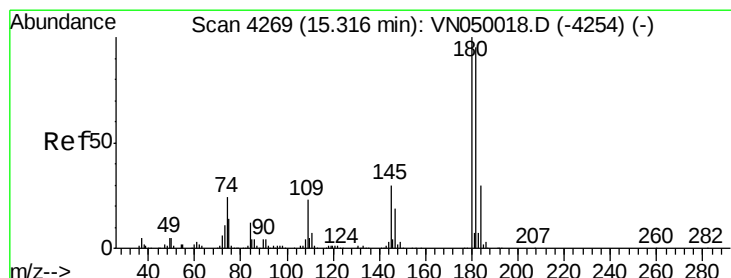
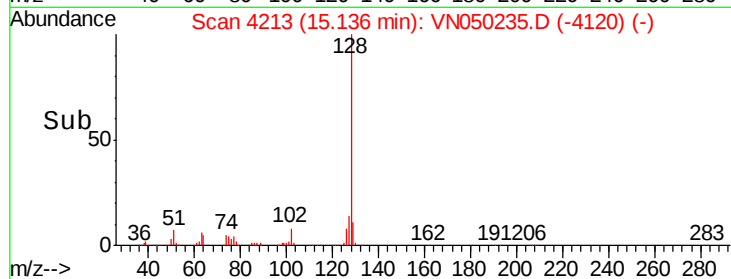
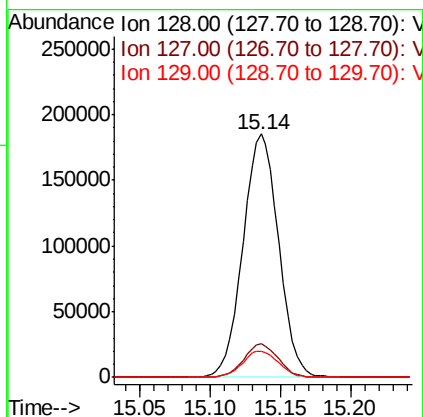
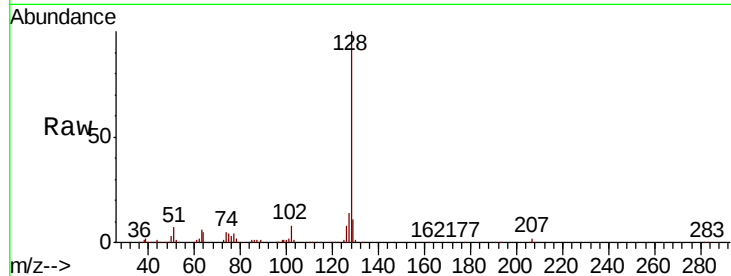




#95  
Naphthalene  
Concen: 17.59 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0801WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.2  | 10.4  | 15.6  |
| 129     | 10.9  | 8.8   | 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.15 ug/l  
RT: 15.32 min Scan# 4269  
Delta R.T. -0.00 min  
Lab File: VN050235.D  
Acq: 1 Aug 2018 9:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 48.1  | 144.4 |
| 145     | 30.3  | 15.3  | 45.9  |

