

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD122018\  
 Data File : VD060658.D  
 Acq On : 20 Dec 2018 14:22  
 Operator : VA/AP  
 Sample : VSTDICC100  
 Misc : 5.00g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC100

Quant Time: Dec 20 15:00:03 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 14:42:21 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.41  | 168  | 1580224  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 7.44  | 114  | 2168435  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.28 | 117  | 1737869  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.38 | 152  | 897620   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.78   | 65  | 1062893  | 98.53  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 197.06% |      |
| 35) Dibromofluoromethane  | 6.32   | 113 | 1594121  | 101.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 203.68% |      |
| 50) Toluene-d8            | 9.46   | 98  | 4709238  | 99.84  | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 199.68% |      |
| 62) 4-Bromofluorobenzene  | 12.43  | 95  | 1653997  | 103.15 | ug/l    | 0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 206.30% |      |

## Target Compounds

|                               |      |     |          |         |      | Qvalue |
|-------------------------------|------|-----|----------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.60 | 85  | 2008527  | 88.129  | ug/l | 100    |
| 3) Chloromethane              | 1.76 | 50  | 1760901  | 94.046  | ug/l | 99     |
| 4) Vinyl Chloride             | 1.86 | 62  | 1435696  | 93.385  | ug/l | 98     |
| 5) Bromomethane               | 2.15 | 94  | 194184   | 48.576  | ug/l | 96     |
| 6) Chloroethane               | 2.26 | 64  | 324192   | 63.522  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 2.51 | 101 | 1492420  | 84.142  | ug/l | 99     |
| 8) Diethyl Ether              | 2.83 | 74  | 272557   | 94.507  | ug/l | 92     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.09 | 101 | 961982   | 87.456  | ug/l | 99     |
| 10) Methyl Iodide             | 3.25 | 142 | 1168005  | 92.721  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.98 | 59  | 249327   | 511.795 | ug/l | 98     |
| 12) 1,1-Dichloroethene        | 3.07 | 96  | 780149   | 87.814  | ug/l | 94     |
| 13) Acrolein                  | 2.98 | 56  | 216878   | 508.954 | ug/l | 95     |
| 14) Allyl chloride            | 3.53 | 41  | 1528200  | 90.463  | ug/l | 99     |
| 15) Acrylonitrile             | 4.09 | 53  | 1366505  | 495.034 | ug/l | 97     |
| 16) Acetone                   | 3.16 | 43  | 881031   | 437.352 | ug/l | 97     |
| 17) Carbon Disulfide          | 3.32 | 76  | 2657101  | 89.375  | ug/l | 100    |
| 18) Methyl Acetate            | 3.55 | 43  | 460041   | 91.343  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 4.13 | 73  | 2296144  | 96.269  | ug/l | 99     |
| 20) Methylene Chloride        | 3.72 | 84  | 1610499  | 89.322  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 4.10 | 96  | 1718547  | 91.572  | ug/l | 99     |
| 22) Diisopropyl ether         | 4.85 | 45  | 5376462  | 93.818  | ug/l | 97     |
| 23) Vinyl Acetate             | 4.80 | 43  | 13069980 | 464.352 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 4.76 | 63  | 2753245  | 91.700  | ug/l | 99     |
| 25) 2-Butanone                | 5.62 | 43  | 1903019  | 477.414 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 5.58 | 77  | 2091083  | 87.405  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 5.59 | 96  | 1773952  | 92.231  | ug/l | 100    |
| 28) Bromochloromethane        | 5.93 | 49  | 1165703  | 93.243  | ug/l | 93     |
| 29) Tetrahydrofuran           | 5.96 | 42  | 1093116  | 499.623 | ug/l | 99     |
| 30) Chloroform                | 6.10 | 83  | 2785483  | 91.815  | ug/l | 99     |
| 31) Cyclohexane               | 6.37 | 56  | 2500705  | 86.364  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 6.29 | 97  | 2317620  | 91.985  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 6.53 | 75  | 2055872  | 88.808  | ug/l | 100    |
| 37) Ethyl Acetate             | 5.70 | 43  | 965676   | 101.059 | ug/l | 98     |
| 38) Carbon Tetrachloride      | 6.50 | 117 | 1860782  | 89.096  | ug/l | 99     |

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 Misc : 5.00g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDICC100

Quant Time: Dec 20 15:00:03 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 14:42:21 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.04  | 83   | 2450856  | 90.260   | ug/l   | 99       |
| 40) Benzene                    | 6.79  | 78   | 5374067  | 89.468   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.95  | 41   | 1145694  | 202.330  | ug/l # | 75       |
| 42) 1,2-Dichloroethane         | 6.89  | 62   | 1451941  | 97.258   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.35  | 43   | 1372303  | 105.747  | ug/l # | 100      |
| 44) Trichloroethene            | 7.74  | 130  | 1702649  | 94.726   | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 8.10  | 63   | 1397953  | 95.826   | ug/l   | 98       |
| 46) Dibromomethane             | 8.22  | 93   | 832722   | 98.416   | ug/l   | 97       |
| 47) Bromodichloromethane       | 8.49  | 83   | 1948350  | 95.242   | ug/l   | 97       |
| 48) Methyl methacrylate        | 8.25  | 41   | 801236   | 101.433  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.23  | 88   | 152006   | 2055.132 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 9.34  | 43   | 3806150  | 478.224  | ug/l   | 99       |
| 52) Toluene                    | 9.55  | 92   | 3437565  | 90.112   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.92  | 75   | 1717946  | 98.908   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.10  | 75   | 2166372  | 95.420   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 10.19 | 97   | 1002328  | 99.082   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.03 | 69   | 1051246  | 101.588  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.38 | 76   | 1600464  | 99.204   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.93  | 63   | 2543278  | 465.770  | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.49 | 43   | 2759551  | 487.977  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.64 | 129  | 1339221  | 97.633   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 10.76 | 107  | 1105376  | 101.579  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.26 | 164  | 1514440  | 90.119   | ug/l   | 100      |
| 65) Chlorobenzene              | 11.32 | 112  | 3682200  | 90.177   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.42 | 131  | 1139397  | 85.145   | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.43 | 91   | 5612201  | 79.998   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.56 | 106  | 4206809  | 165.115  | ug/l   | 98       |
| 69) o-Xylene                   | 11.94 | 106  | 2168382  | 87.791   | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 3428774  | 86.031   | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 945338   | 104.904  | ug/l   | 96       |
| 73) Isopropylbenzene           | 12.28 | 105  | 5904825  | 85.911   | ug/l   | 98       |
| 74) N-amyl acetate             | 12.14 | 43   | 1700838  | 104.467  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.57 | 83   | 1072581  | 94.149   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.60 | 75   | 1088231  | 98.402   | ug/l   | 99       |
| 77) Bromobenzene               | 12.54 | 156  | 1620701  | 88.492   | ug/l   | 97       |
| 78) n-propylbenzene            | 12.64 | 91   | 7044636  | 80.446   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.71 | 91   | 4015513  | 84.572   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.80 | 105  | 4228965  | 79.964   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 12.34 | 75   | 332264   | 103.444  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.81 | 91   | 4205980  | 80.782   | ug/l   | 91       |
| 83) tert-Butylbenzene          | 13.05 | 119  | 5012877  | 83.165   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.10 | 105  | 4577200  | 83.310   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.23 | 105  | 6171875  | 82.253   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.35 | 119  | 4802589  | 81.867   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 13.32 | 146  | 2821135  | 84.731   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.40 | 146  | 2771332  | 84.340   | ug/l   | 98       |
| 89) n-Butylbenzene             | 13.65 | 91   | 4420850  | 73.765   | ug/l   | 98       |
| 90) Hexachloroethane           | 13.86 | 117  | 1355902  | 90.952   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene        | 13.66 | 146  | 2022602  | 76.502   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.23 | 75   | 139579   | 103.703  | ug/l # | 46       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD122018\  
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Acq On : 20 Dec 2018 14:22  
Operator : VA/AP  
Sample : VSTDICC100  
Misc : 5.00g/5ml/MSVOA\_D/SOIL  
ALS Vial : 8 Sample Multiplier: 1

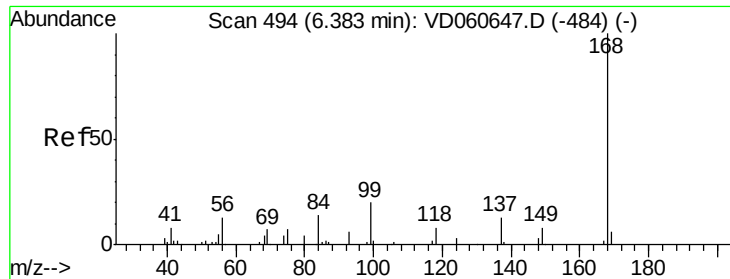
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Quant Time: Dec 20 15:00:03 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 20 14:42:21 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.79 | 180  | 1877684  | 85.743 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 14.88 | 225  | 1331276  | 84.456 | ug/l  | 98       |
| 95) Naphthalene            | 14.97 | 128  | 2584096  | 96.929 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.12 | 180  | 1596292  | 92.624 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

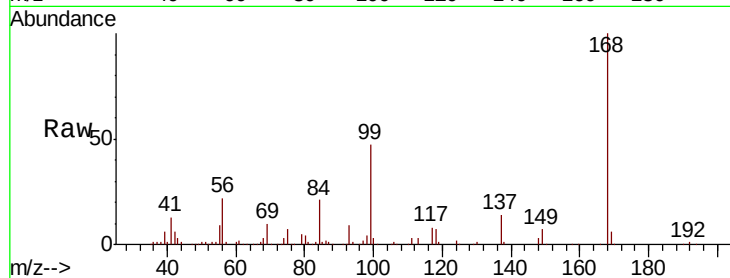
VSTDIC100

Tgt Ion:168 Resp: 1580224

Ion Ratio Lower Upper

168 100

99 47.0 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

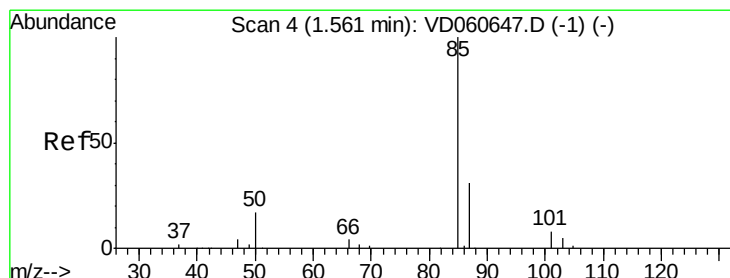
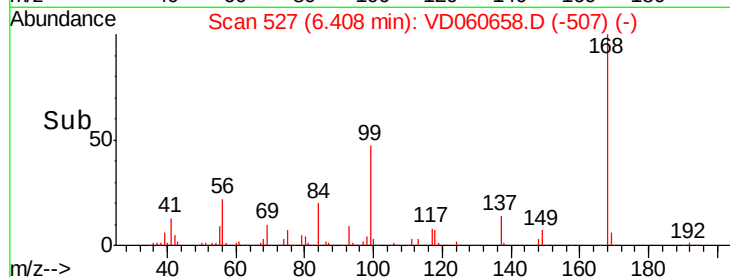
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 88.129 ug/l

RT: 1.60 min Scan# 38

Delta R.T. -0.01 min

Lab File: VD060658.D

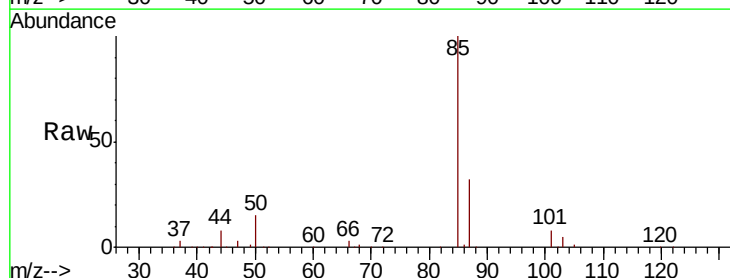
Acq: 20 Dec 2018 14:22

Tgt Ion: 85 Resp: 2008527

Ion Ratio Lower Upper

85 100

87 31.7 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

800000

600000

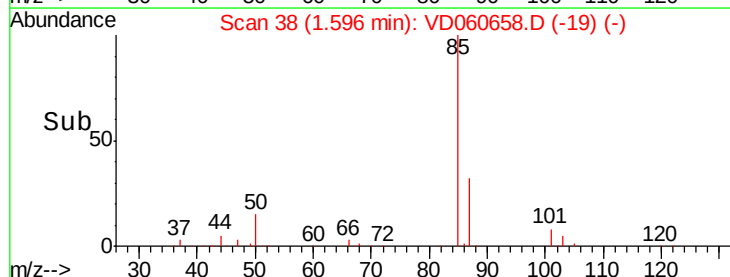
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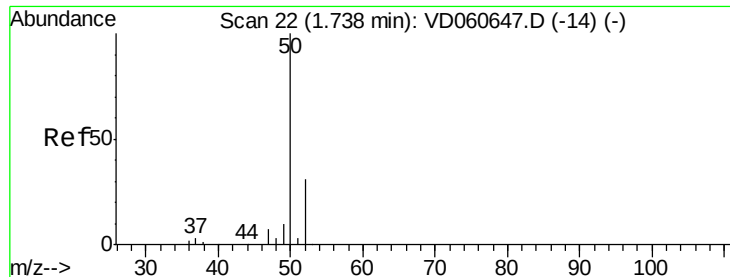
200000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 94.046 ug/l

RT: 1.76 min Scan# 55

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

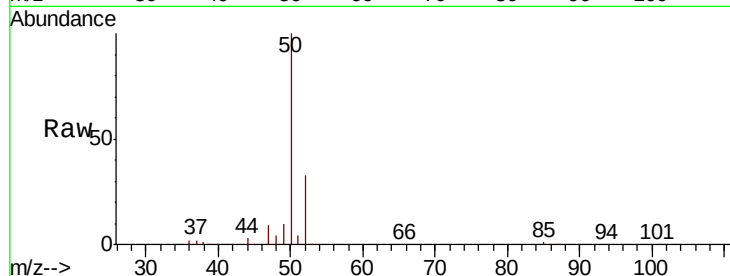
VSTDIC100

Tgt Ion: 50 Resp: 1760901

Ion Ratio Lower Upper

50 100

52 32.8 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

600000

500000

400000

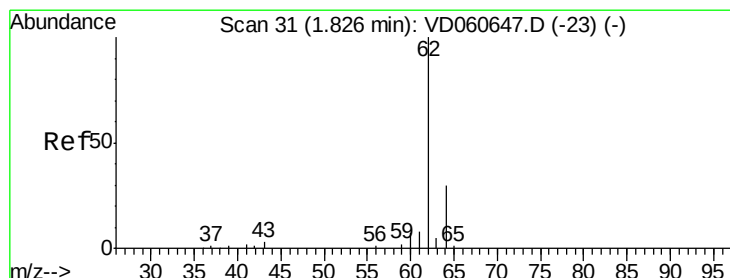
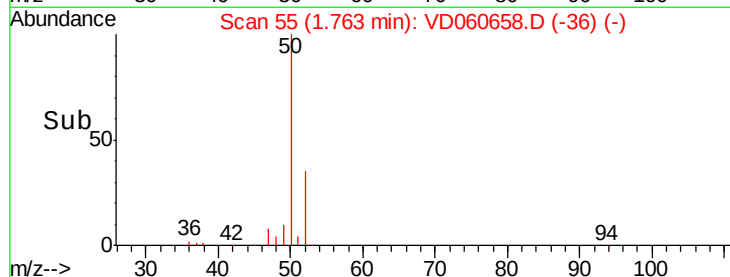
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 93.385 ug/l

RT: 1.86 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060658.D

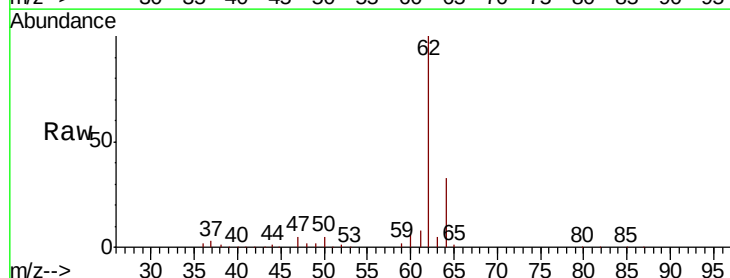
Acq: 20 Dec 2018 14:22

Tgt Ion: 62 Resp: 1435696

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

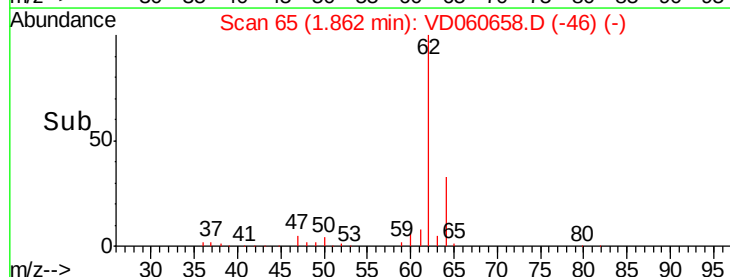
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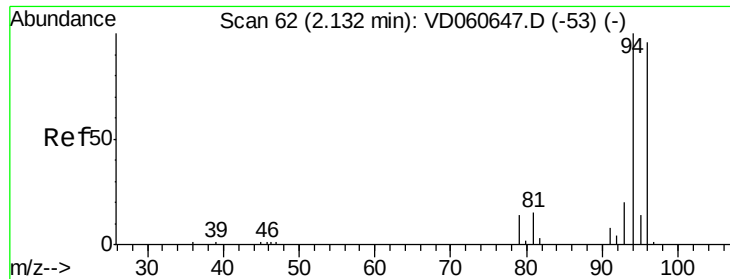
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200000

0

Time-->

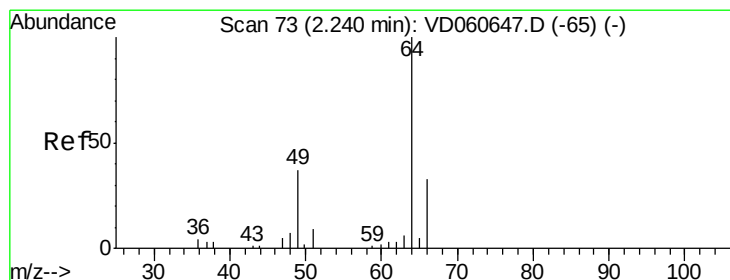
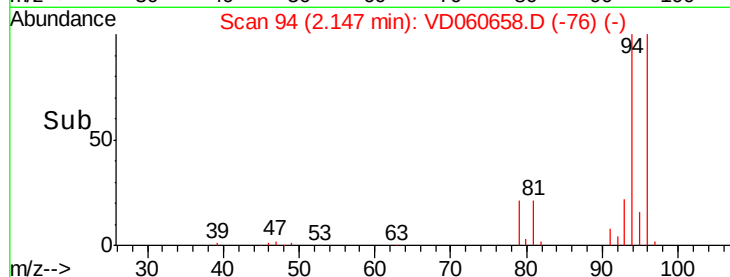
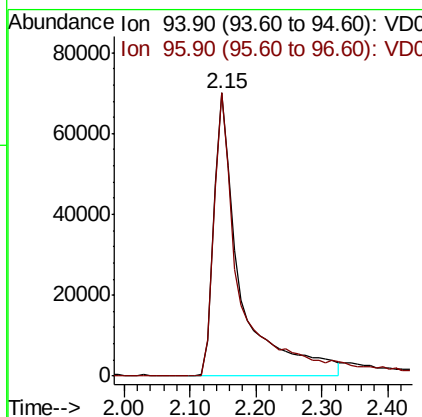
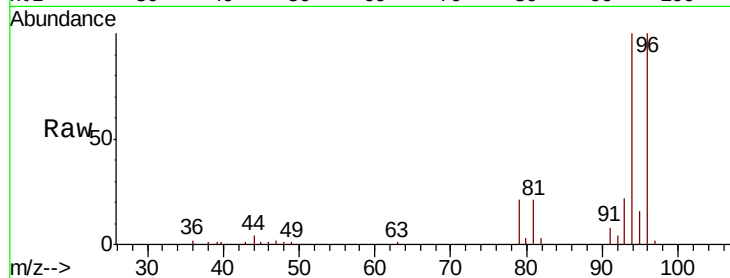




#5  
Bromomethane  
Concen: 48.576 ug/l  
RT: 2.15 min Scan# 94  
Delta R.T. -0.02 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

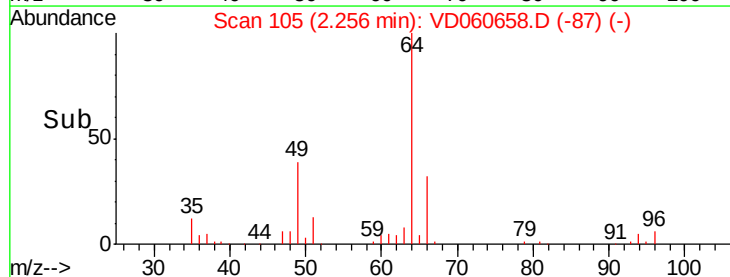
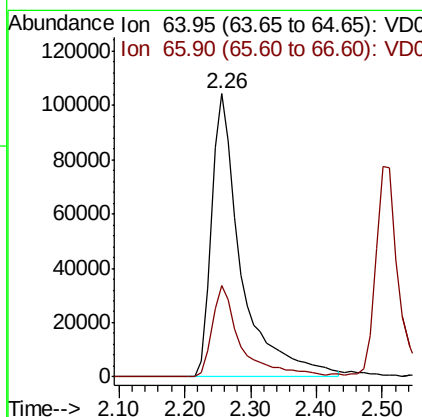
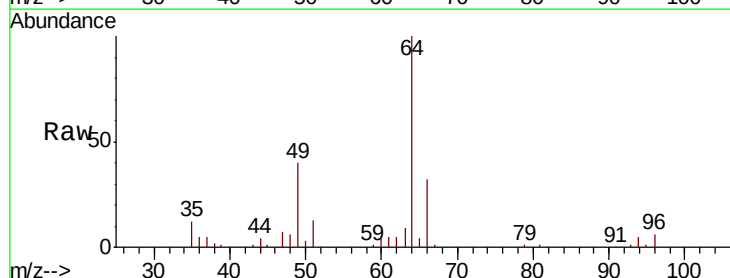
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion: 94 Resp: 194184  
Ion Ratio Lower Upper  
94 100  
96 100.0 77.2 115.8

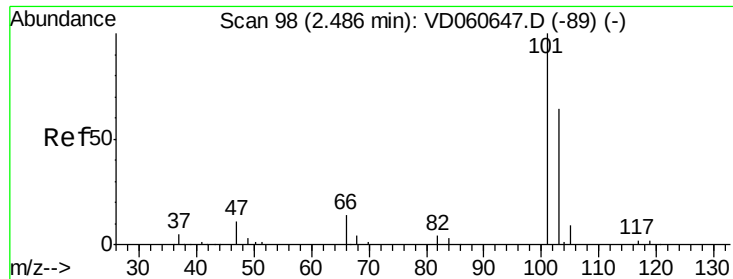


#6  
Chloroethane  
Concen: 63.522 ug/l  
RT: 2.26 min Scan# 105  
Delta R.T. -0.02 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 64 Resp: 324192  
Ion Ratio Lower Upper  
64 100  
66 32.3 25.6 38.4





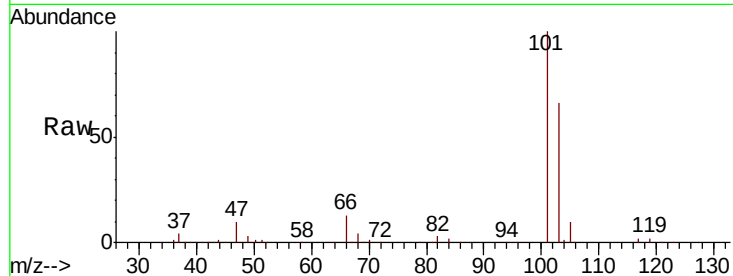


#7

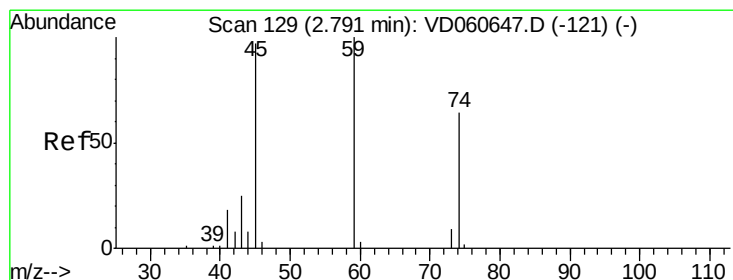
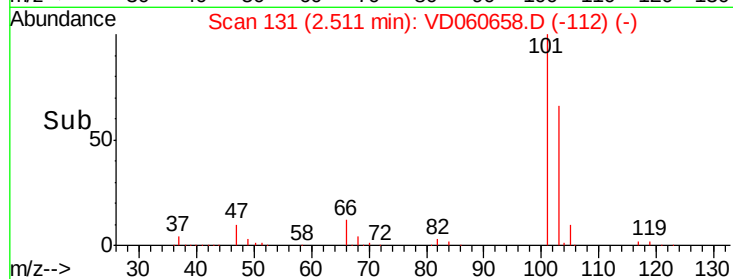
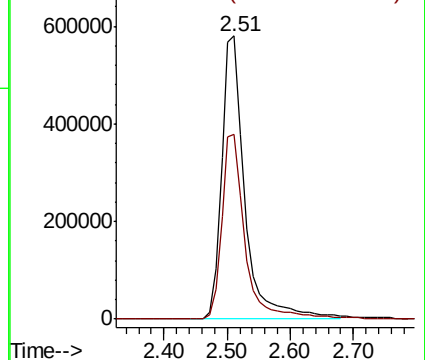
Trichlorofluoromethane  
Concen: 84.142 ug/l  
RT: 2.51 min Scan# 131  
Delta R.T. -0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion:101 Resp: 1492420  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.9 77.9



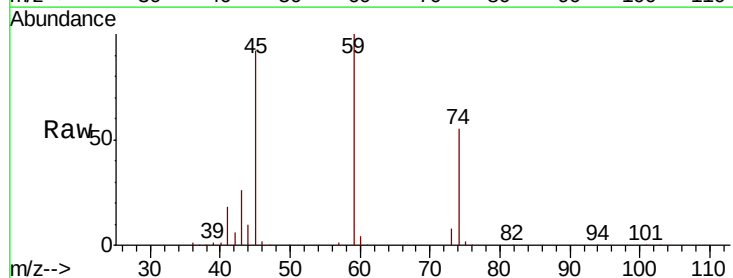
Abundance Ion 100.85 (100.55 to 101.55): V  
Ion 102.85 (102.55 to 103.55): V



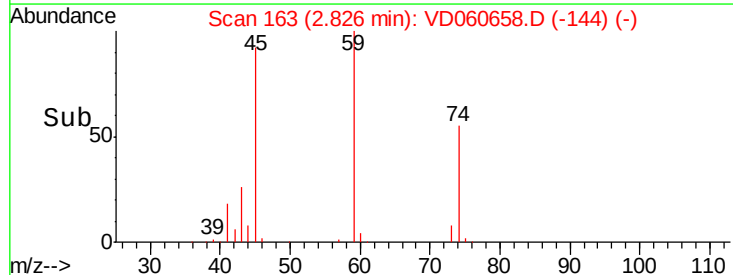
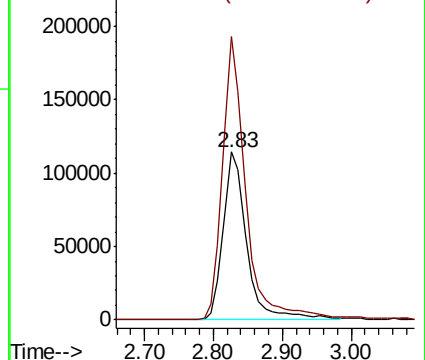
#8

Diethyl Ether  
Concen: 94.507 ug/l  
RT: 2.83 min Scan# 163  
Delta R.T. -0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

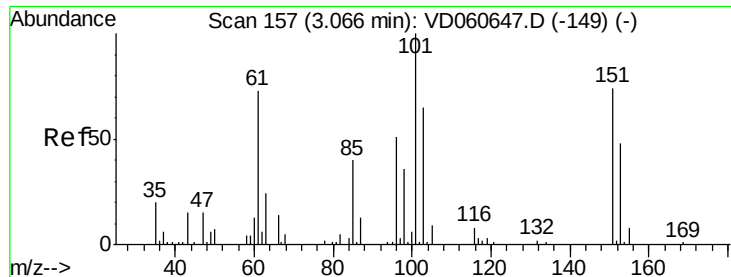
Tgt Ion: 74 Resp: 272557  
Ion Ratio Lower Upper  
74 100  
45 168.9 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC  
Ion 45.05 (44.75 to 45.75): VDC







#9

1,1,2-Trichlorotrifluoroethane

Concen: 87.456 ug/l

RT: 3.09 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

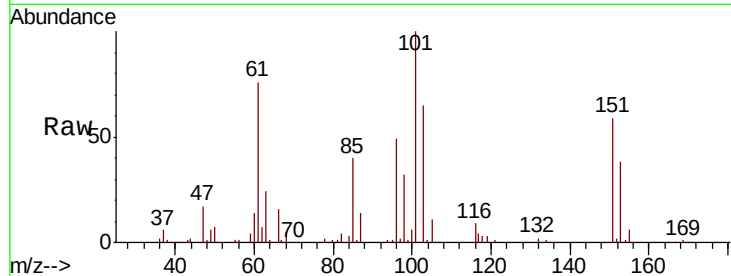
Tgt Ion:101 Resp: 961982

Ion Ratio Lower Upper

101 100

85 40.1 33.4 50.0

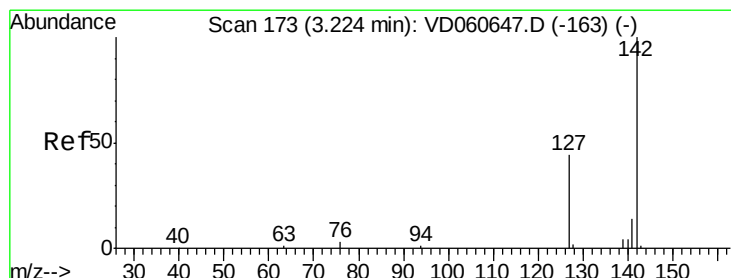
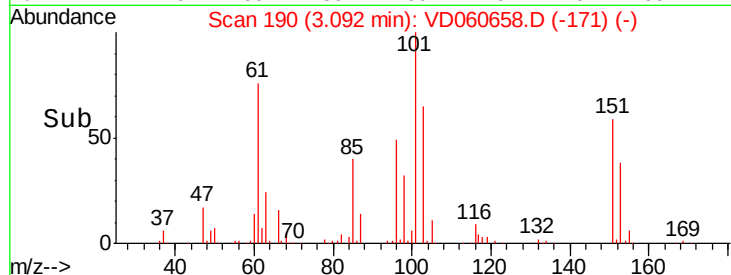
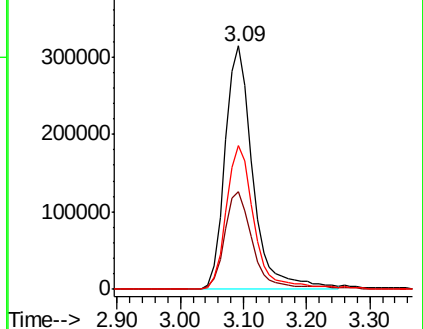
151 59.3 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 92.721 ug/l

RT: 3.25 min Scan# 206

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

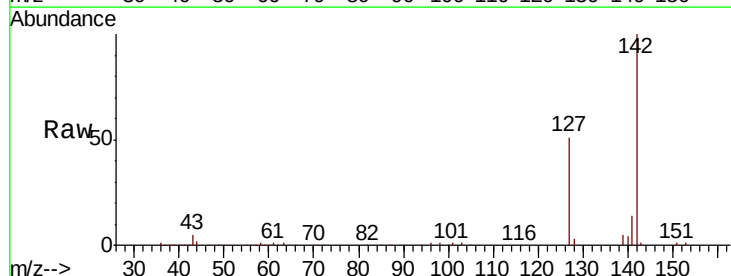
Tgt Ion:142 Resp: 1168005

Ion Ratio Lower Upper

142 100

127 51.1 39.5 59.3

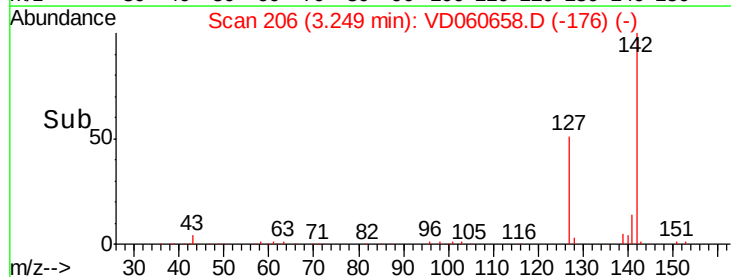
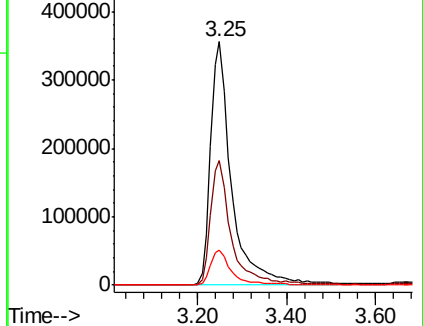
141 14.4 11.3 16.9

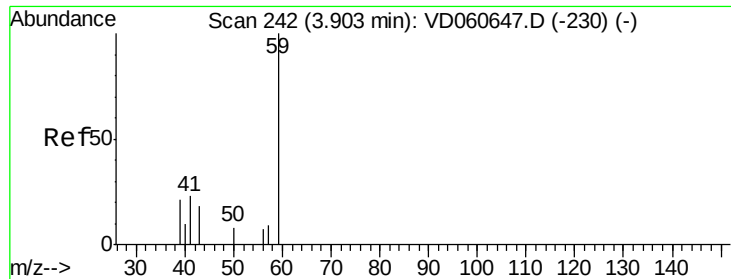


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

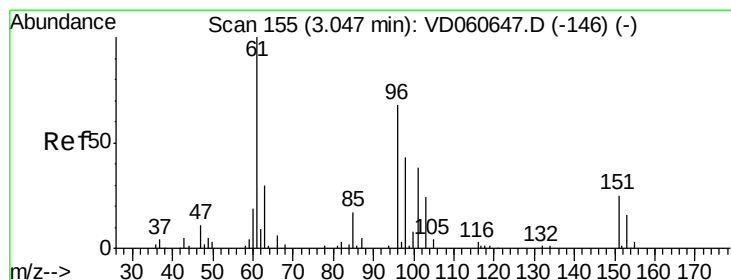
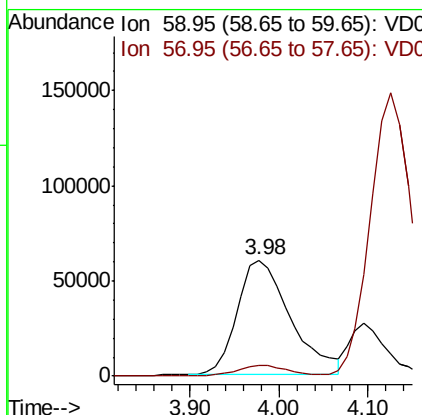
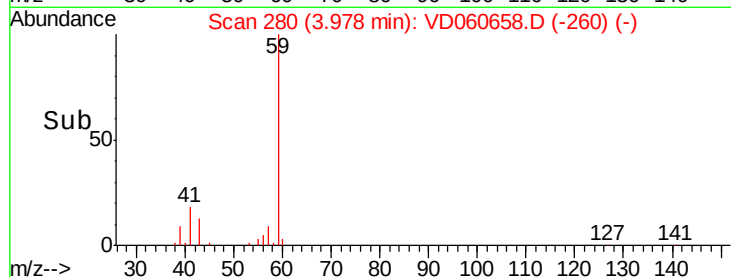
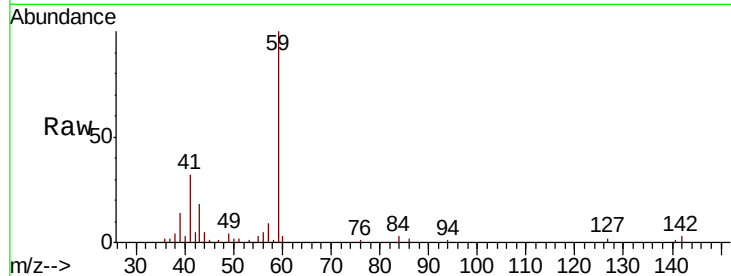




#11  
Tert butyl alcohol  
Concen: 511.795 ug/l  
RT: 3.98 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

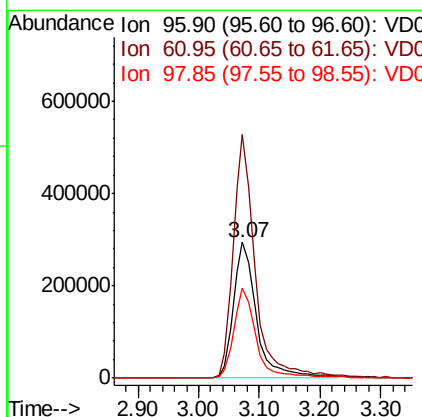
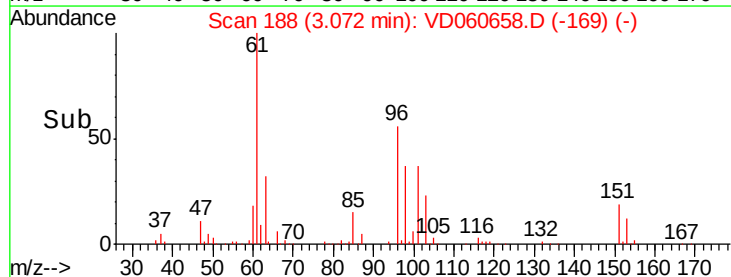
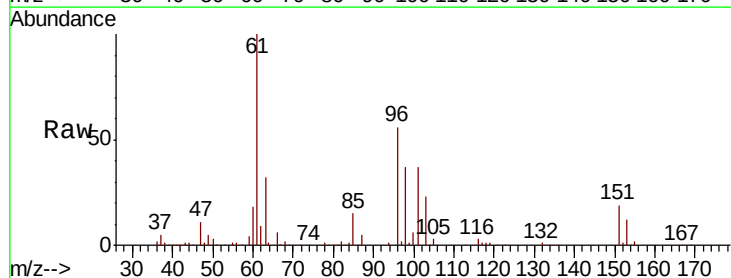
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

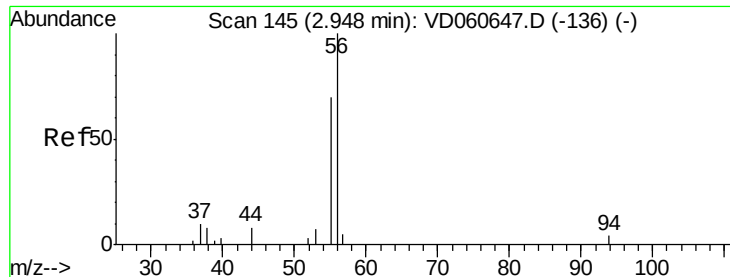
Tgt Ion: 59 Resp: 249327  
Ion Ratio Lower Upper  
59 100  
57 9.1 7.8 11.6



#12  
1,1-Dichloroethene  
Concen: 87.814 ug/l  
RT: 3.07 min Scan# 188  
Delta R.T. -0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 96 Resp: 780149  
Ion Ratio Lower Upper  
96 100  
61 179.4 136.2 204.4  
98 66.1 50.7 76.1

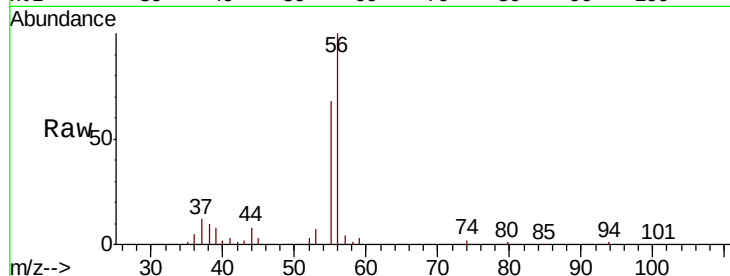




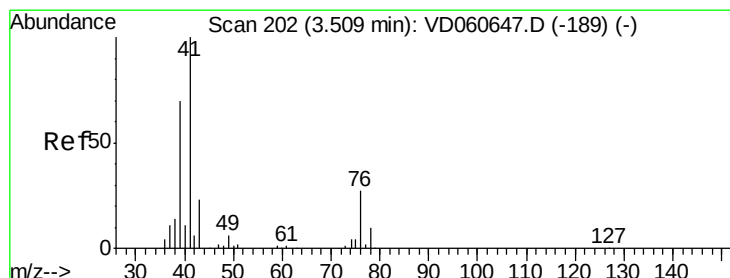
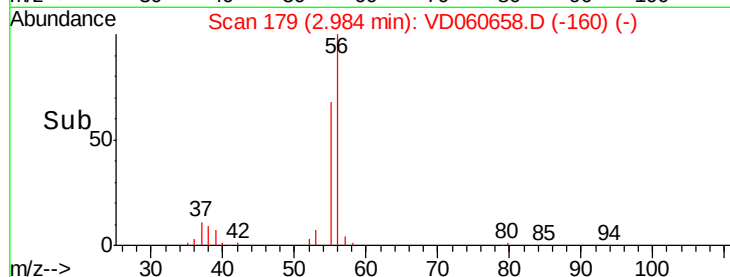
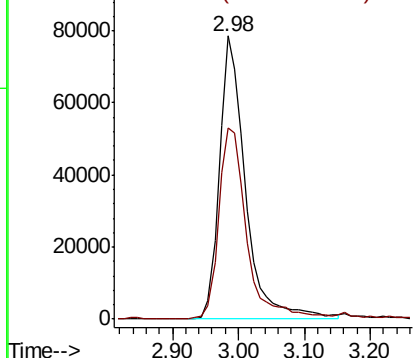
#13  
Acrolein  
Concen: 508.954 ug/l  
RT: 2.98 min Scan# 179  
Delta R.T. -0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion: 56 Resp: 216878  
Ion Ratio Lower Upper  
56 100  
55 67.8 57.7 86.5

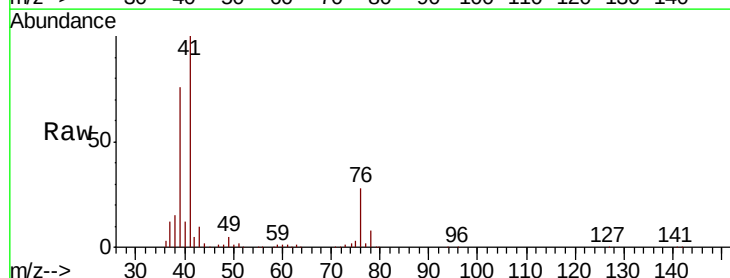


Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 55.00 (54.70 to 55.70): VDC

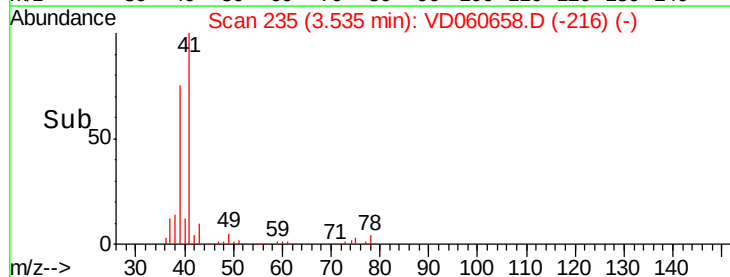
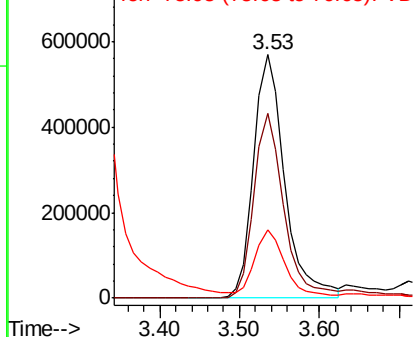


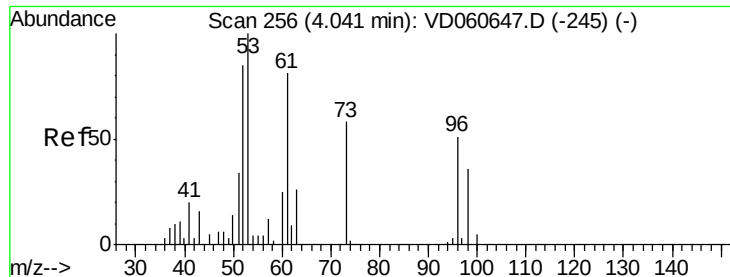
#14  
Allyl chloride  
Concen: 90.463 ug/l  
RT: 3.53 min Scan# 235  
Delta R.T. -0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 41 Resp: 1528200  
Ion Ratio Lower Upper  
41 100  
39 75.6 59.6 89.4  
76 27.8 21.8 32.6



Abundance Ion 41.05 (40.75 to 41.75): VDC  
Ion 38.95 (38.65 to 39.65): VDC  
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 495.034 ug/l

RT: 4.09 min Scan# 291

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

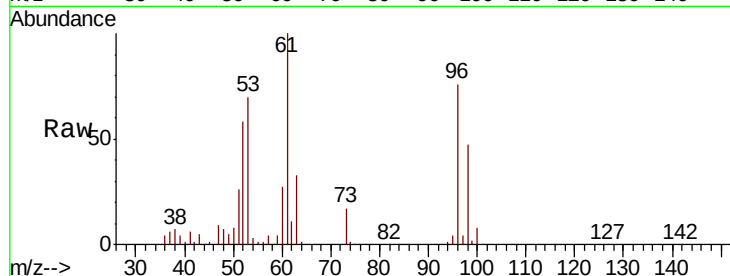
Tgt Ion: 53 Resp: 1366505

Ion Ratio Lower Upper

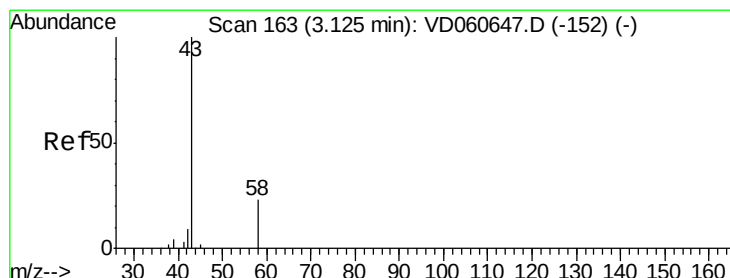
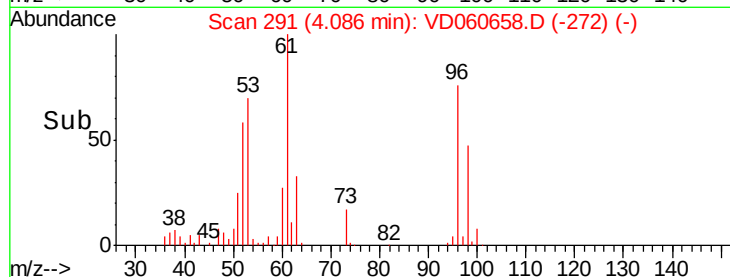
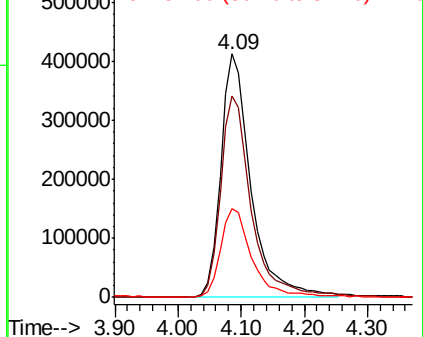
53 100

52 82.8 66.7 100.1

51 36.6 32.7 49.1



Abundance Ion 53.00 (52.70 to 53.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC  
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 437.352 ug/l

RT: 3.16 min Scan# 197

Delta R.T. -0.01 min

Lab File: VD060658.D

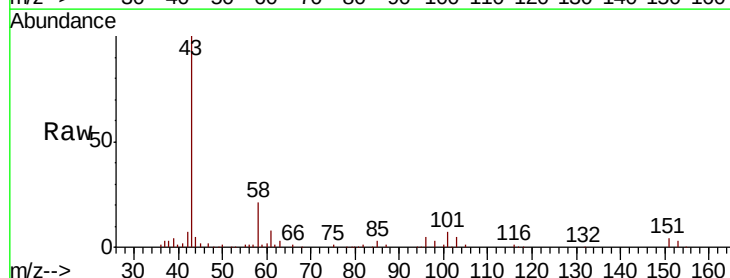
Acq: 20 Dec 2018 14:22

Tgt Ion: 43 Resp: 881031

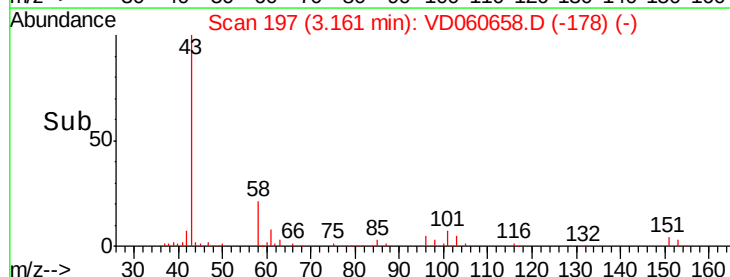
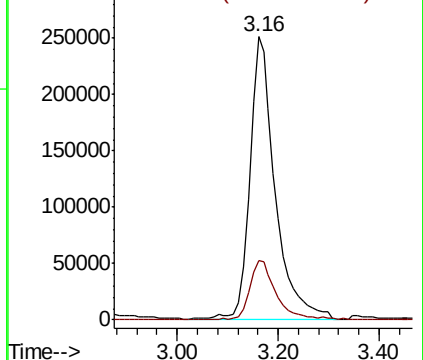
Ion Ratio Lower Upper

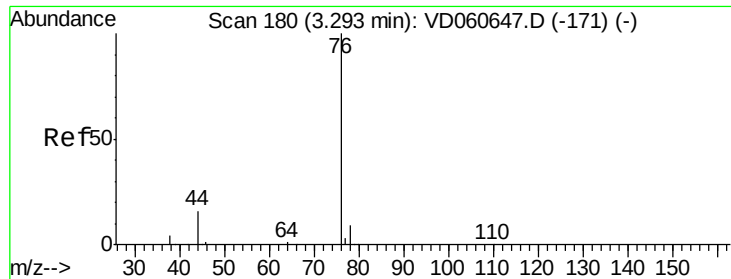
43 100

58 21.1 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 89.375 ug/l

RT: 3.32 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

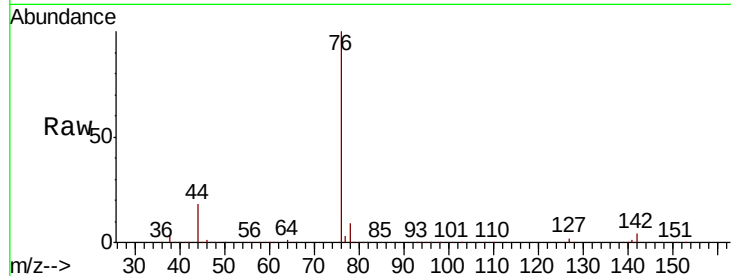
VSTDICC100

Tgt Ion: 76 Resp: 2657101

Ion Ratio Lower Upper

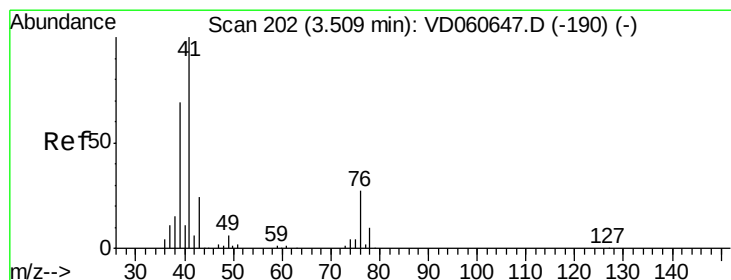
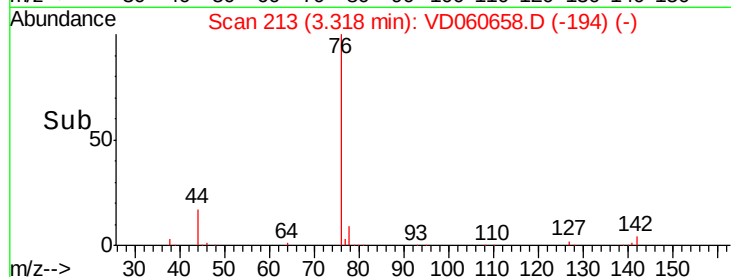
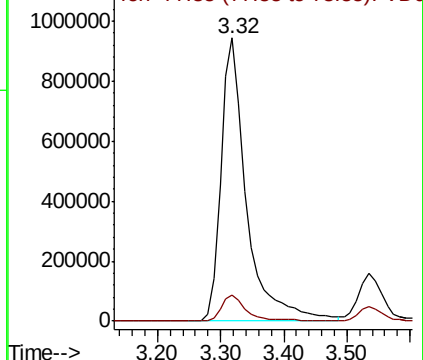
76 100

78 9.2 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 91.343 ug/l

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VD060658.D

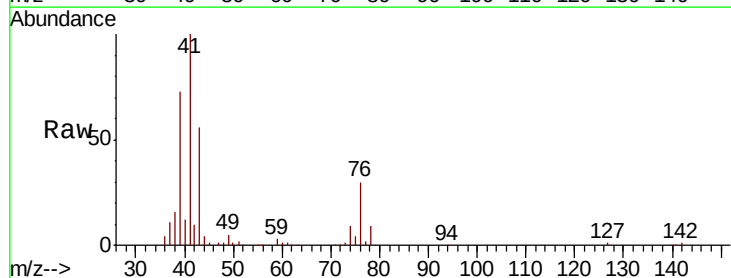
Acq: 20 Dec 2018 14:22

Tgt Ion: 43 Resp: 460041

Ion Ratio Lower Upper

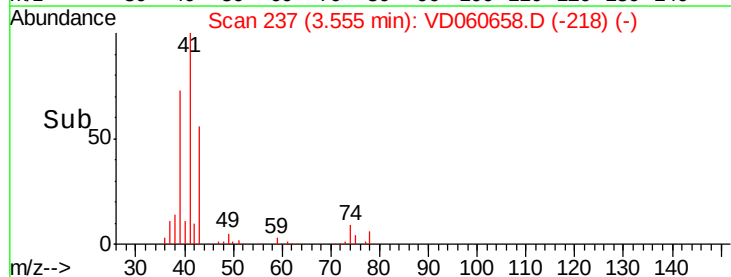
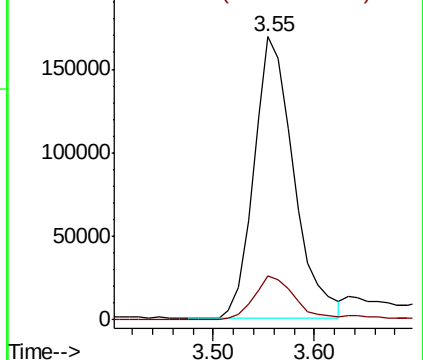
43 100

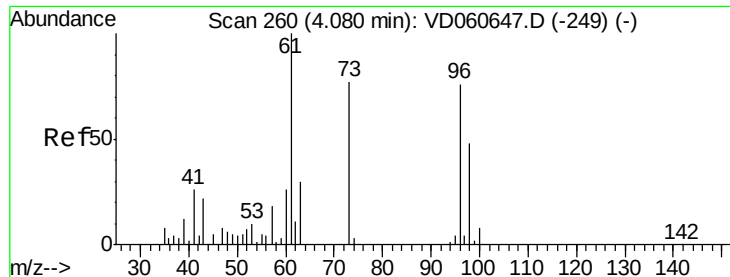
74 15.6 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 96.269 ug/l

RT: 4.13 min Scan# 295

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

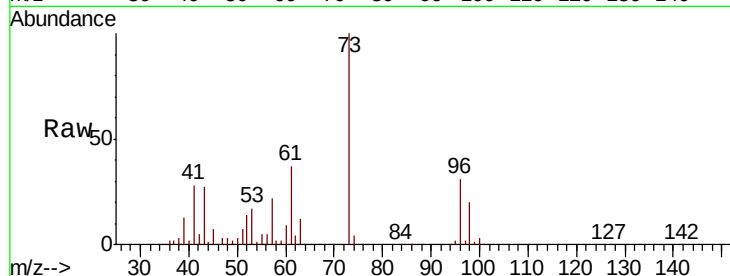
VSTDIC100

Tgt Ion: 73 Resp: 2296144

Ion Ratio Lower Upper

73 100

57 22.3 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.13

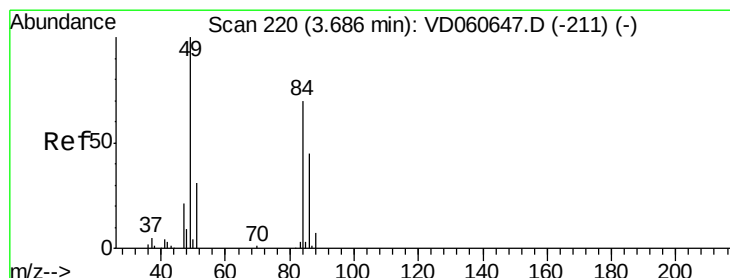
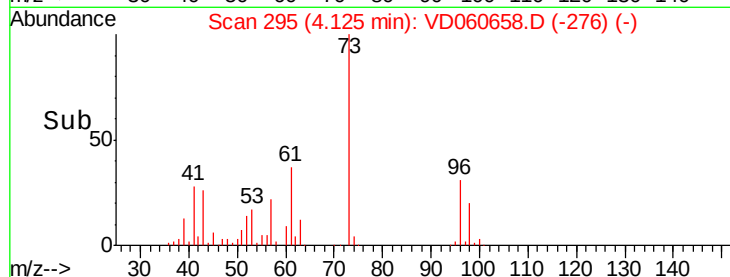
600000

400000

200000

0

Time--> 3.90 4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 89.322 ug/l

RT: 3.72 min Scan# 254

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Tgt Ion: 84 Resp: 1610499

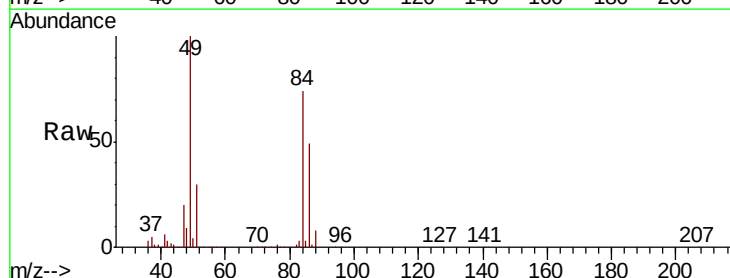
Ion Ratio Lower Upper

84 100

49 135.8 113.6 170.4

51 41.1 34.7 52.1

86 65.9 52.8 79.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

1000000

800000

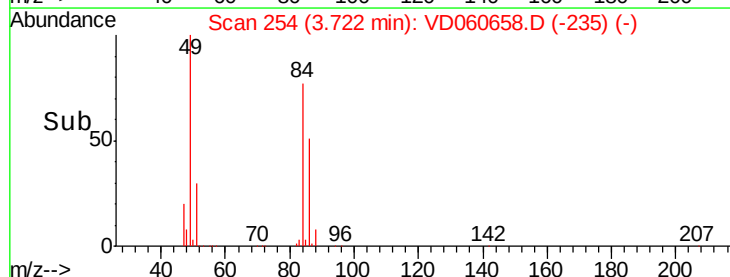
600000

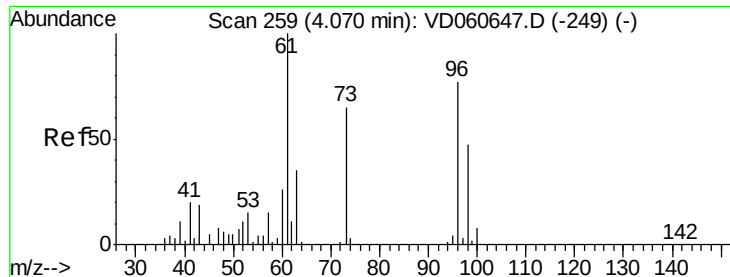
400000

200000

0

Time--> 3.60 3.70 3.80 3.90





#21

trans-1,2-Dichloroethene

Concen: 91.572 ug/l

RT: 4.10 min Scan# 292

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

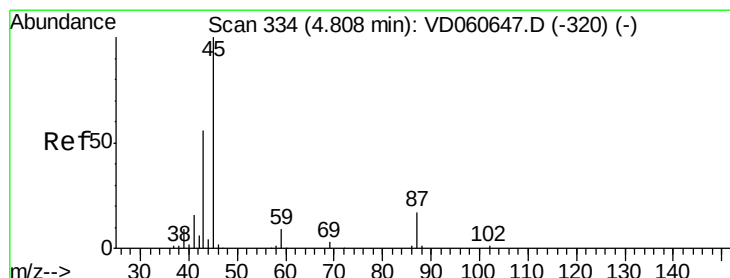
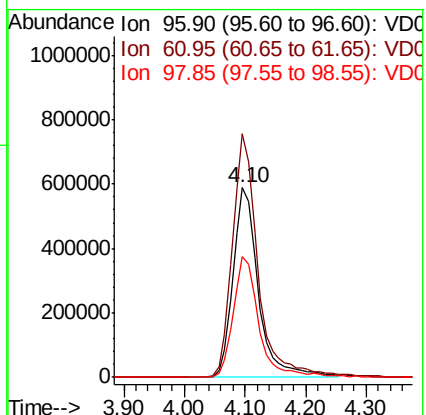
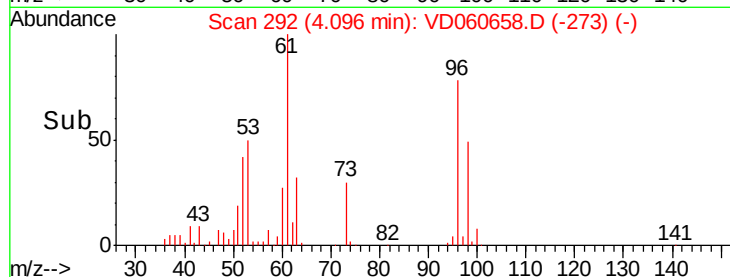
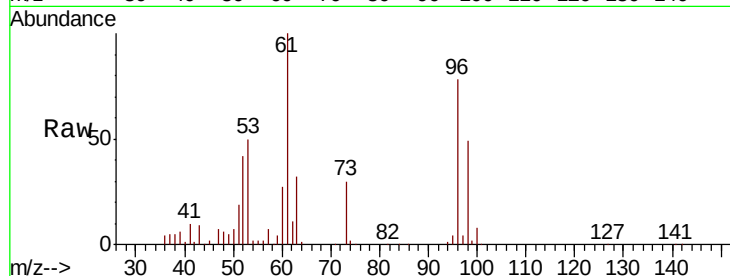
Tgt Ion: 96 Resp: 1718547

Ion Ratio Lower Upper

96 100

61 128.5 104.2 156.2

98 63.5 51.2 76.8



#22

Diisopropyl ether

Concen: 93.818 ug/l

RT: 4.85 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Tgt Ion: 45 Resp: 5376462

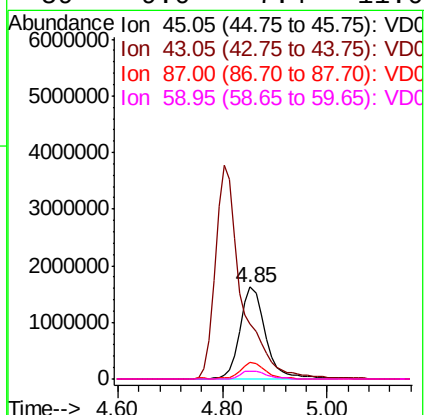
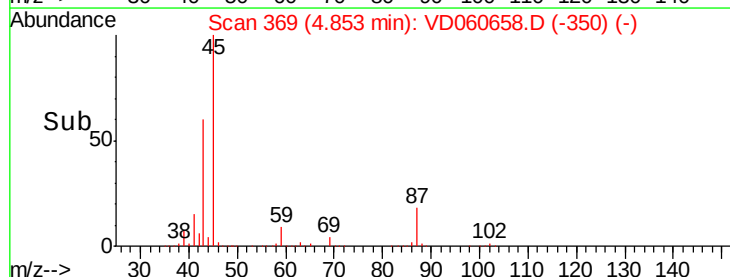
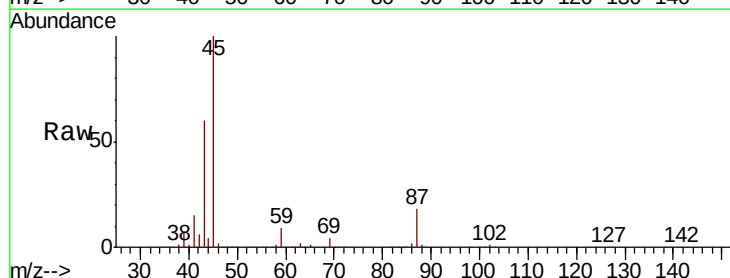
Ion Ratio Lower Upper

45 100

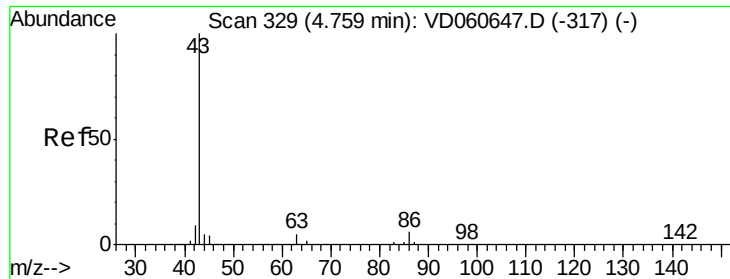
43 59.9 46.1 69.1

87 18.1 13.7 20.5

59 9.0 7.4 11.0







#23

Vinyl Acetate

Concen: 464.352 ug/l

RT: 4.80 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

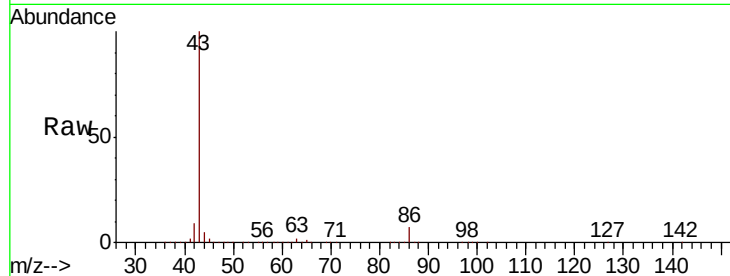
VSTDIC100

Tgt Ion: 43 Resp:13069980

Ion Ratio Lower Upper

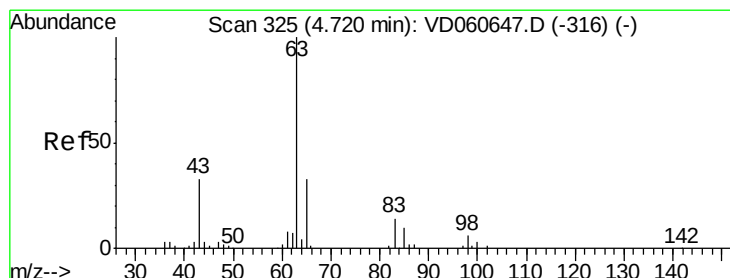
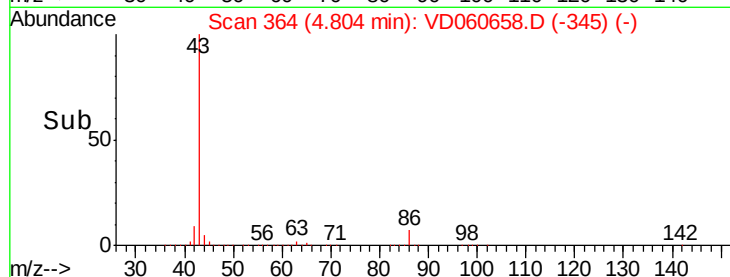
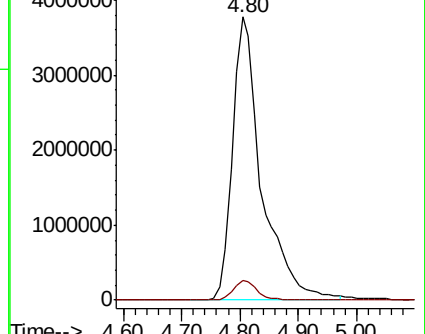
43 100

86 7.0 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 91.700 ug/l

RT: 4.76 min Scan# 359

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

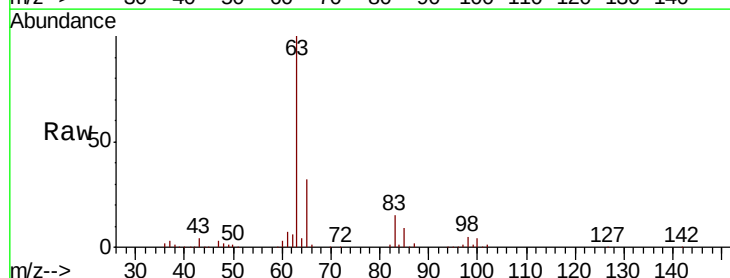
Tgt Ion: 63 Resp: 2753245

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.7

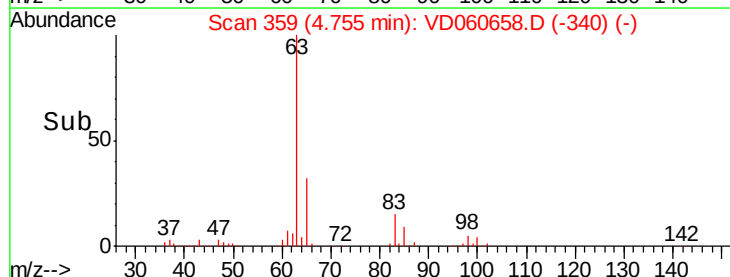
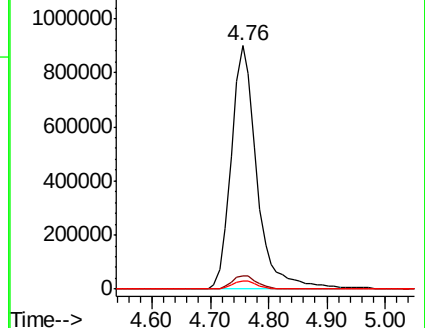
100 3.5 2.0 5.8

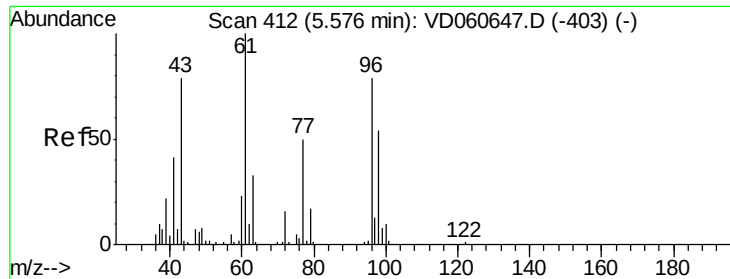


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 477.414 ug/l

RT: 5.62 min Scan# 447

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

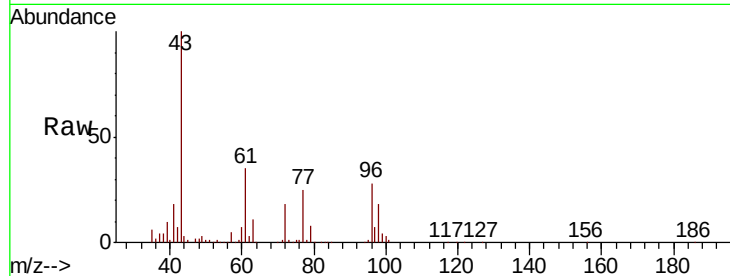
VSTDIC100

Tgt Ion: 43 Resp: 1903019

Ion Ratio Lower Upper

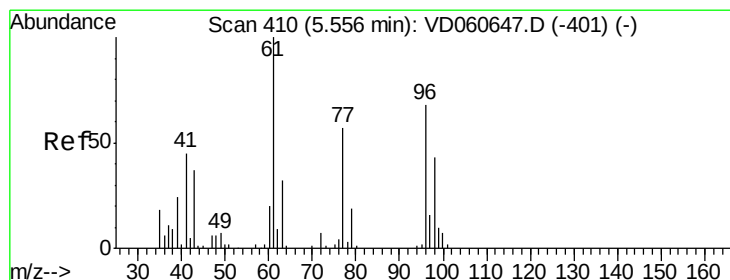
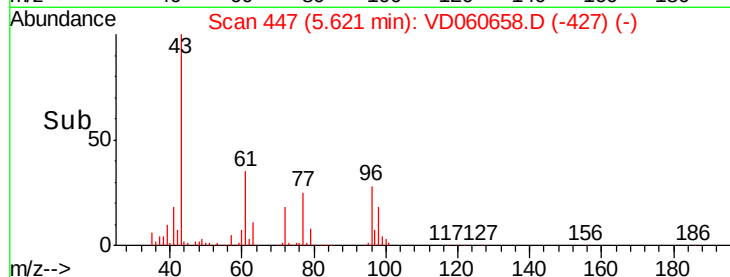
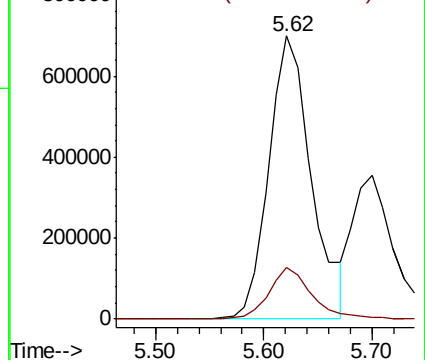
43 100

72 18.0 13.7 20.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 87.405 ug/l

RT: 5.58 min Scan# 443

Delta R.T. -0.01 min

Lab File: VD060658.D

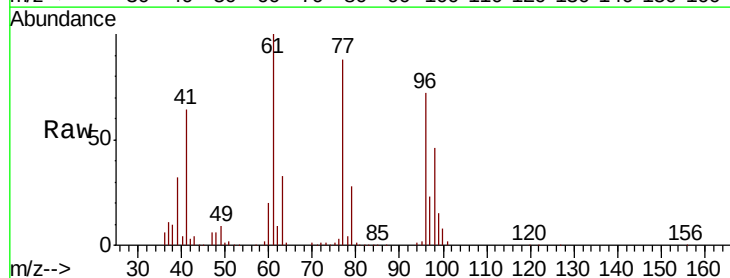
Acq: 20 Dec 2018 14:22

Tgt Ion: 77 Resp: 2091083

Ion Ratio Lower Upper

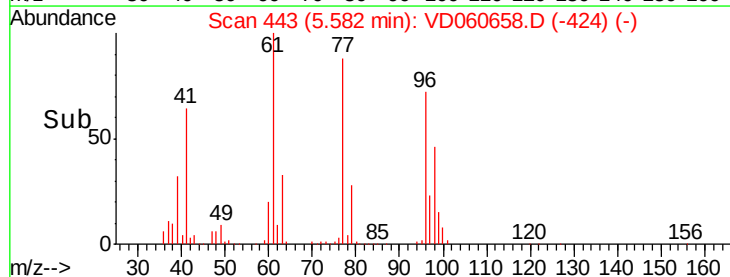
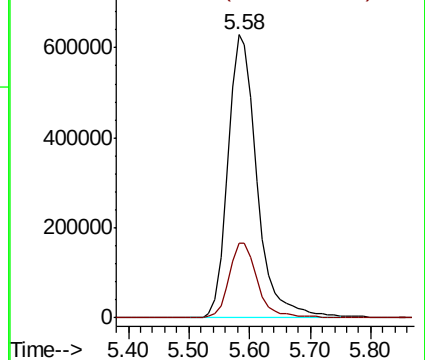
77 100

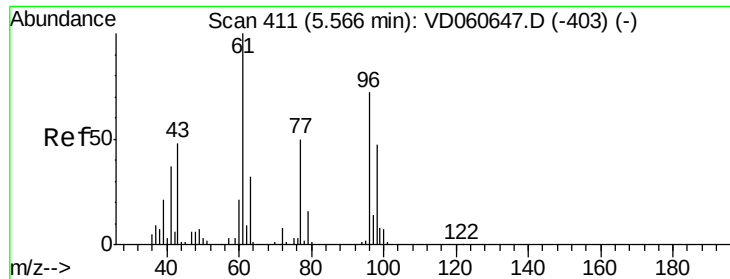
97 26.4 13.0 39.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 92.231 ug/l

RT: 5.59 min Scan# 444

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

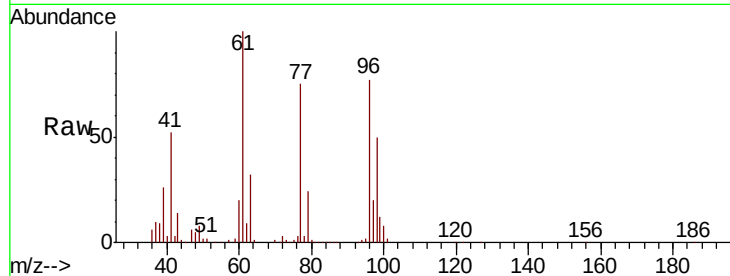
Tgt Ion: 96 Resp: 1773952

Ion Ratio Lower Upper

96 100

61 129.9 0.0 259.4

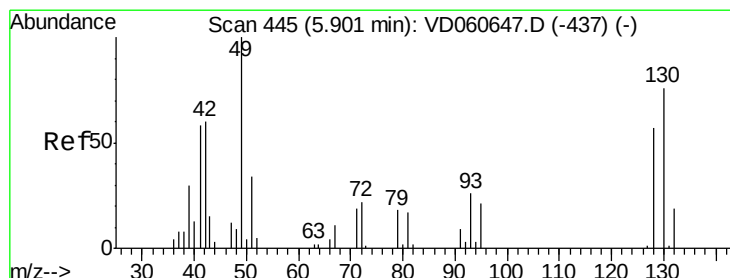
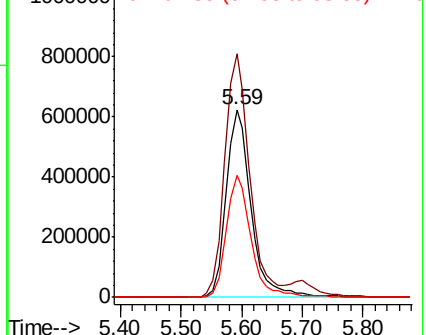
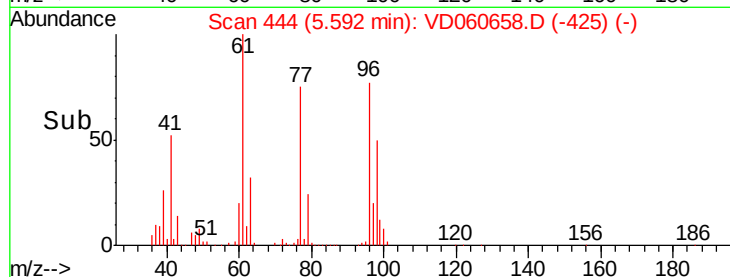
98 65.3 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 93.243 ug/l

RT: 5.93 min Scan# 478

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

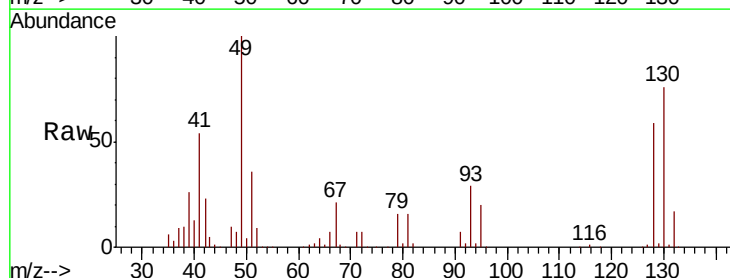
Tgt Ion: 49 Resp: 1165703

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.4

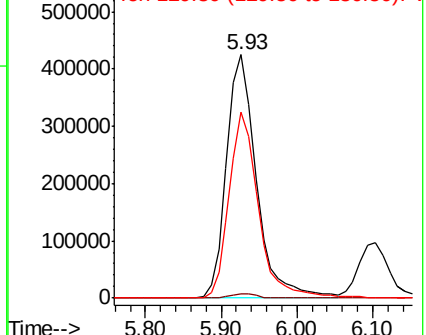
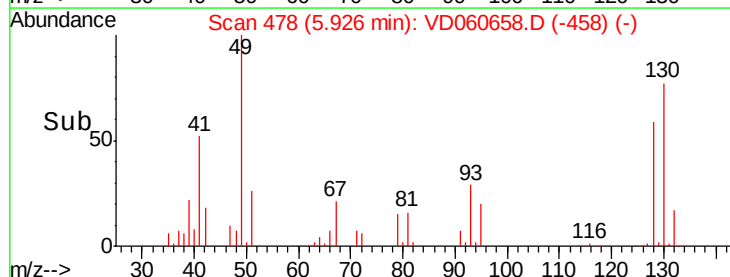
130 76.4 56.2 84.2

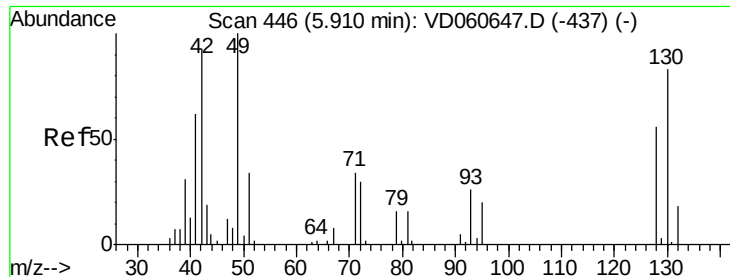


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 499.623 ug/l

RT: 5.96 min Scan# 481

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

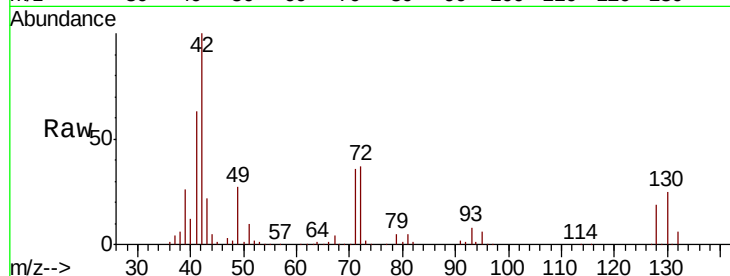
Tgt Ion: 42 Resp: 1093116

Ion Ratio Lower Upper

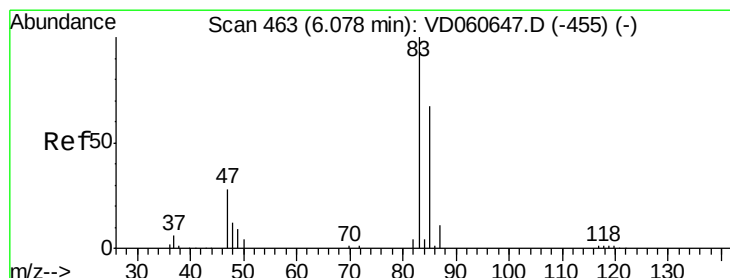
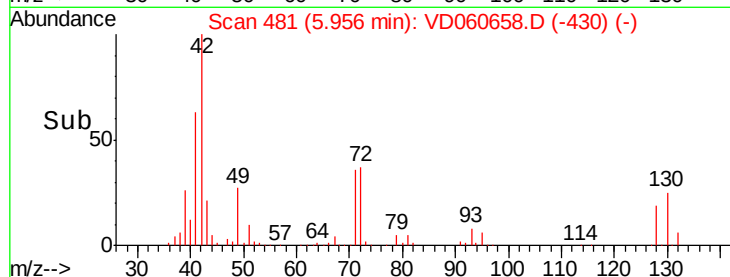
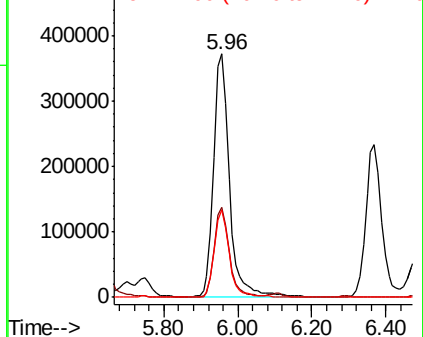
42 100

72 35.2 28.0 42.0

71 34.3 27.0 40.6



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



#30

Chloroform

Concen: 91.815 ug/l

RT: 6.10 min Scan# 496

Delta R.T. 0.00 min

Lab File: VD060658.D

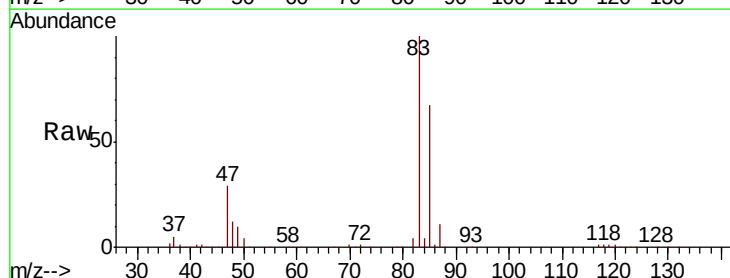
Acq: 20 Dec 2018 14:22

Tgt Ion: 83 Resp: 2785483

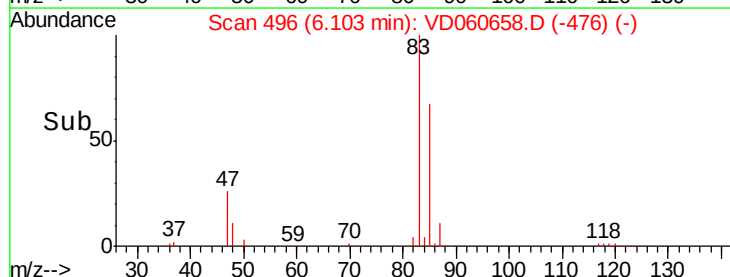
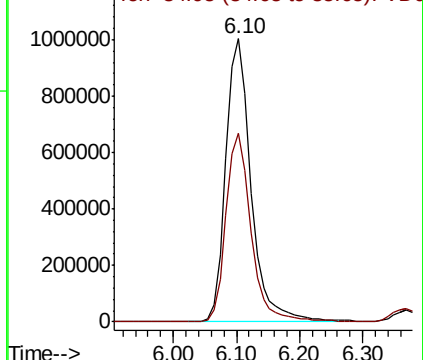
Ion Ratio Lower Upper

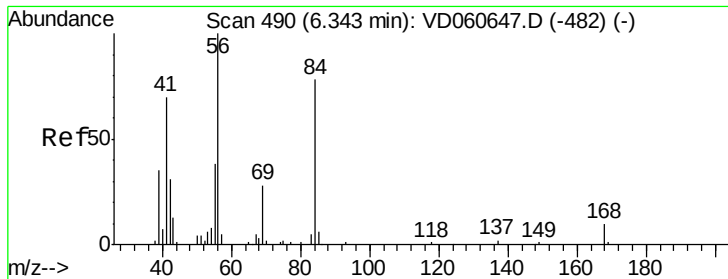
83 100

85 66.9 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 84.95 (84.65 to 85.65): VDC

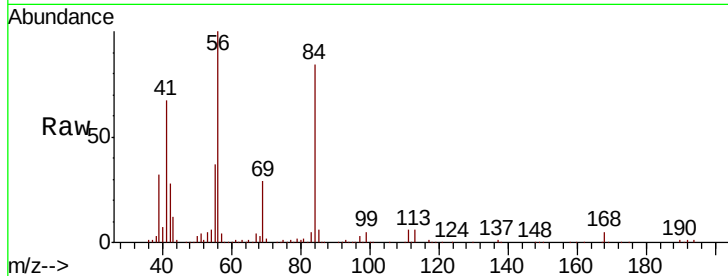




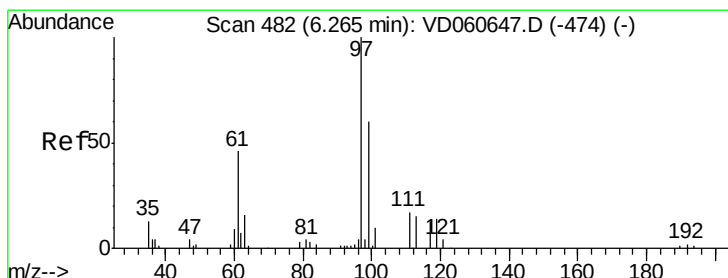
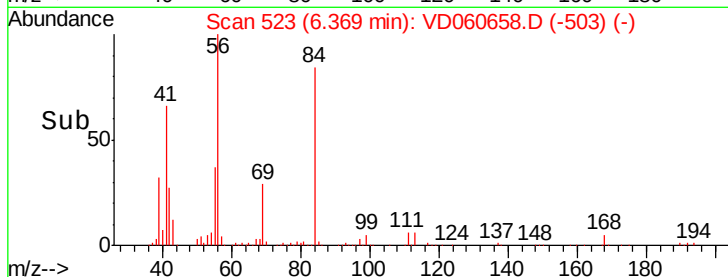
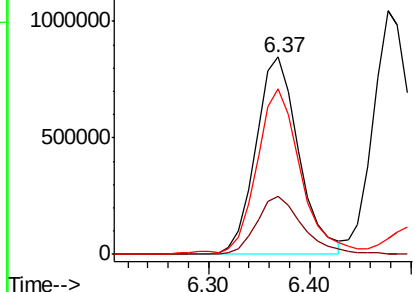
#31  
Cyclohexane  
Concen: 86.364 ug/l  
RT: 6.37 min Scan# 523  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion: 56 Resp: 2500705  
Ion Ratio Lower Upper  
56 100  
69 29.3 23.6 35.4  
84 84.0 65.8 98.6

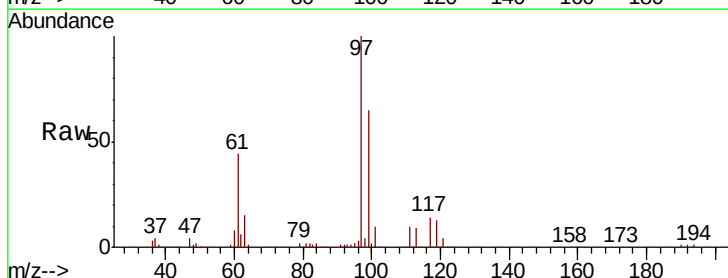


Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC

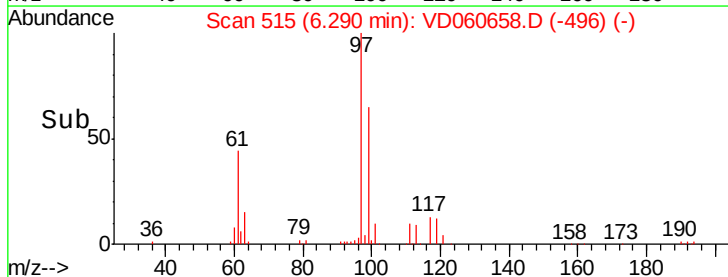
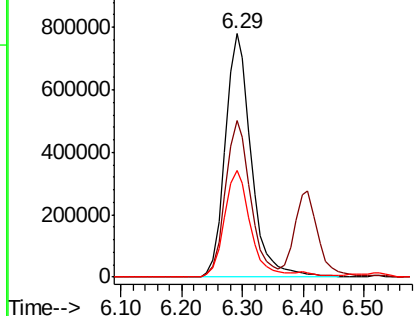


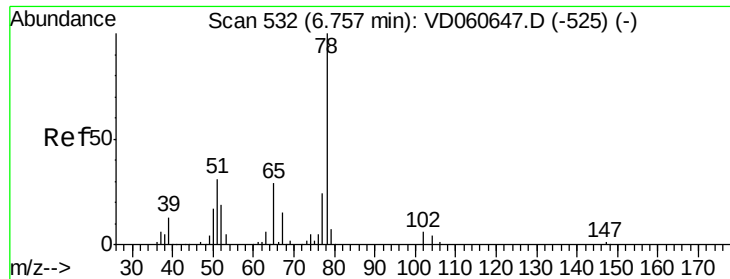
#32  
1,1,1-Trichloroethane  
Concen: 91.985 ug/l  
RT: 6.29 min Scan# 515  
Delta R.T. -0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 97 Resp: 2317620  
Ion Ratio Lower Upper  
97 100  
99 64.5 50.5 75.7  
61 44.0 34.6 51.8



Abundance Ion 96.85 (96.55 to 97.55): VDC  
Ion 98.85 (98.55 to 99.55): VDC  
Ion 60.95 (60.65 to 61.65): VDC

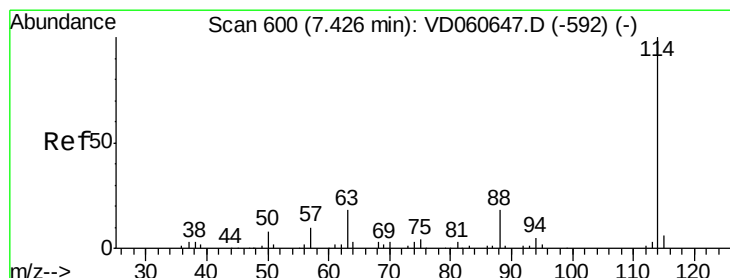
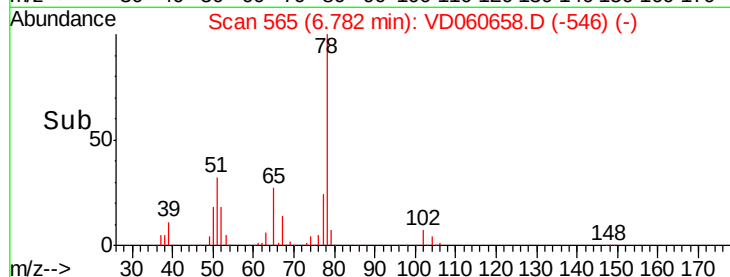
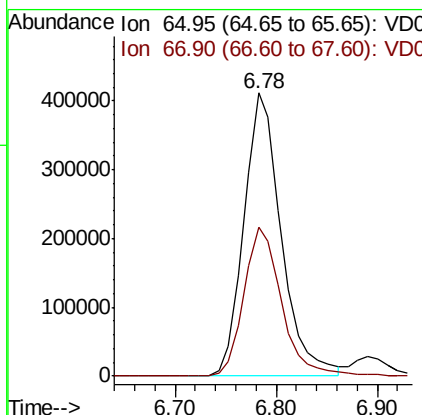
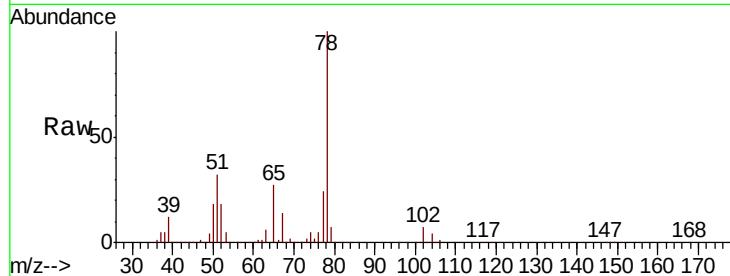




#33  
 1,2-Dichloroethane-d4  
 Concen: 91.985 ug/l  
 RT: 6.78 min Scan# 565  
 Delta R.T. -0.01 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

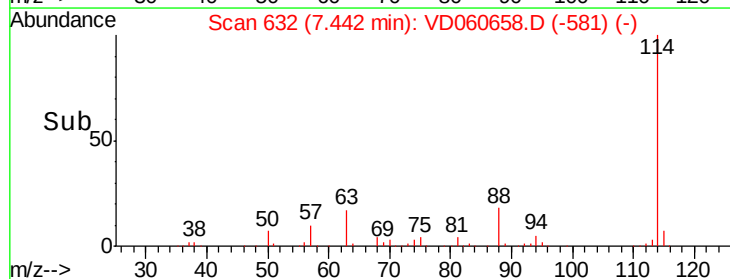
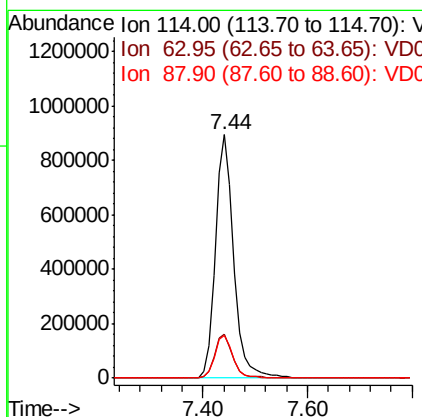
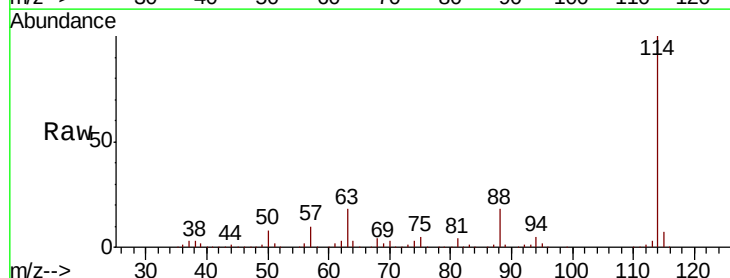
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

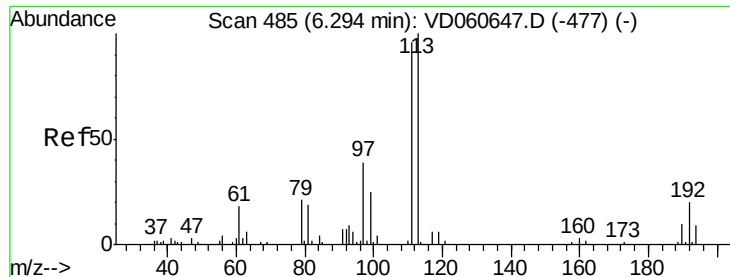
Tgt Ion: 65 Resp: 1062893  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 105.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.44 min Scan# 632  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion: 114 Resp: 2168435  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 36.2  
 88 17.6 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 518

Delta R.T. -0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

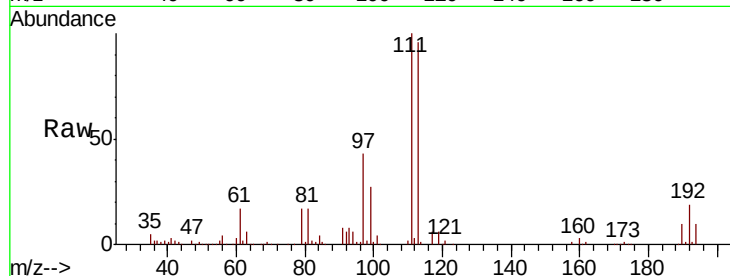
Tgt Ion:113 Resp: 1594121

Ion Ratio Lower Upper

113 100

111 104.5 80.0 120.0

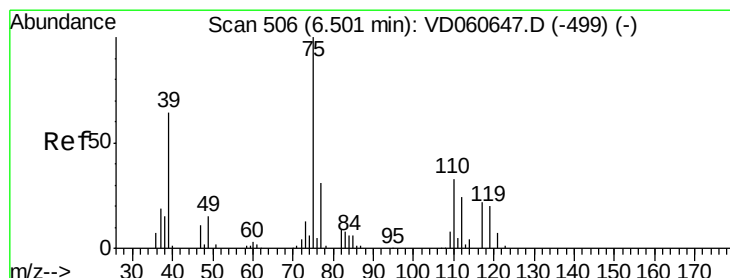
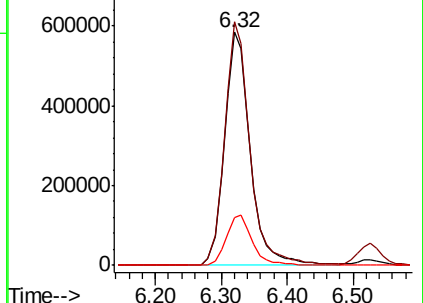
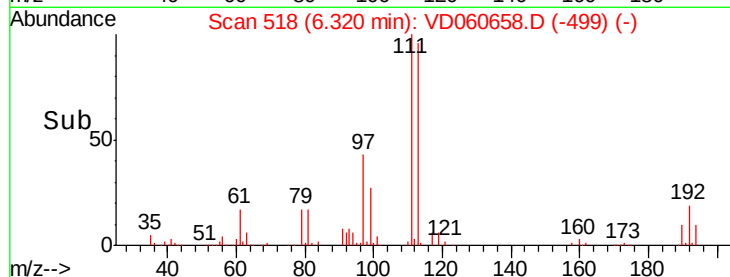
192 20.3 16.6 25.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 88.808 ug/l

RT: 6.53 min Scan# 539

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

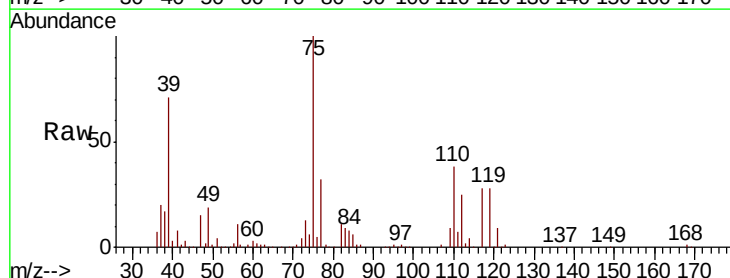
Tgt Ion: 75 Resp: 2055872

Ion Ratio Lower Upper

75 100

110 38.0 18.9 56.7

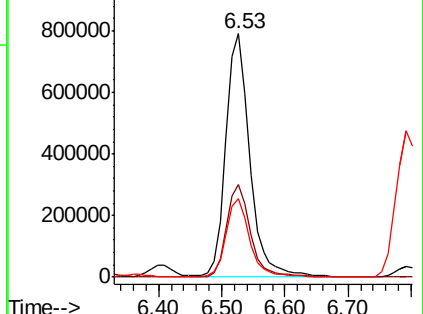
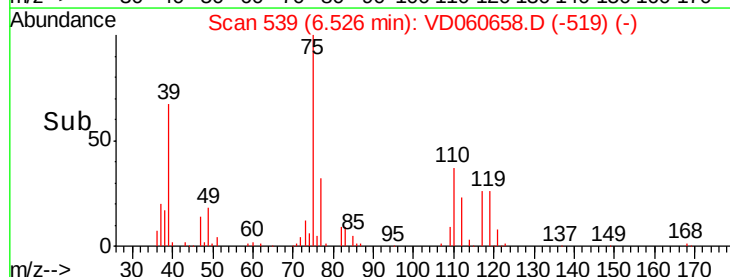
77 32.1 25.4 38.0

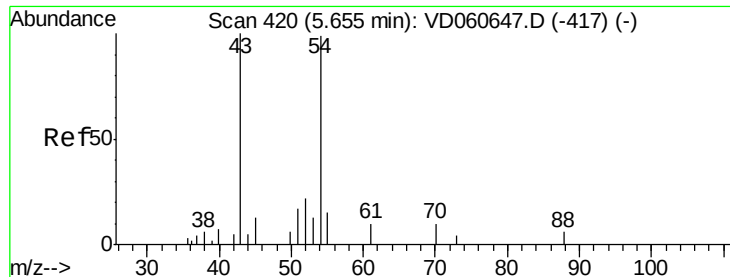


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

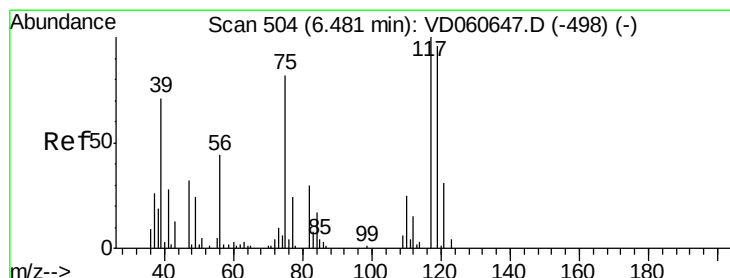
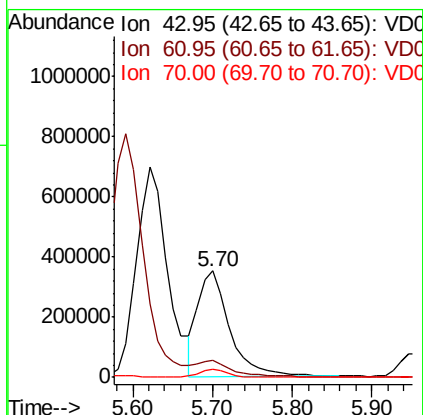
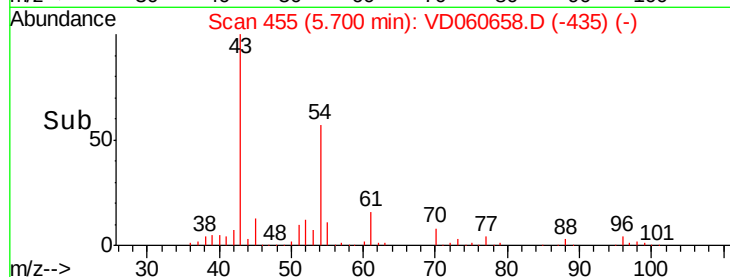
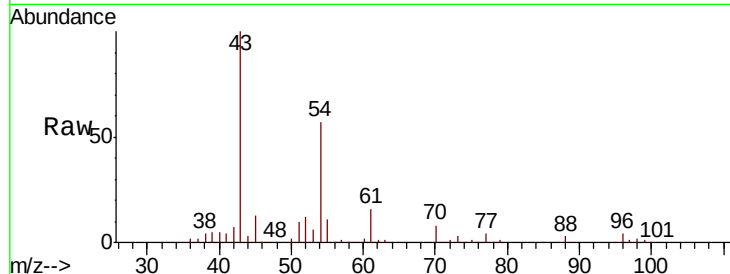




#37  
Ethyl Acetate  
Concen: 101.059 ug/l  
RT: 5.70 min Scan# 455  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

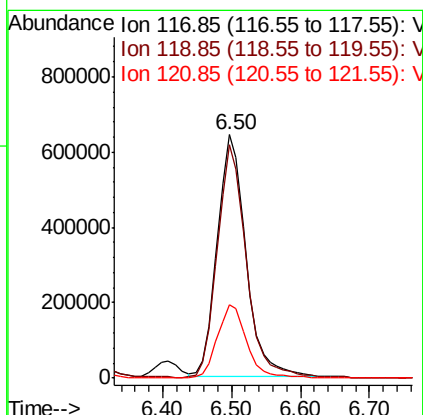
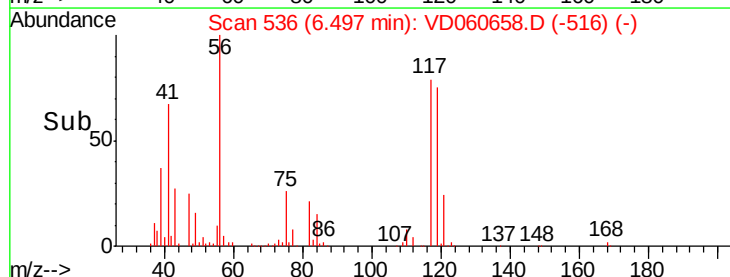
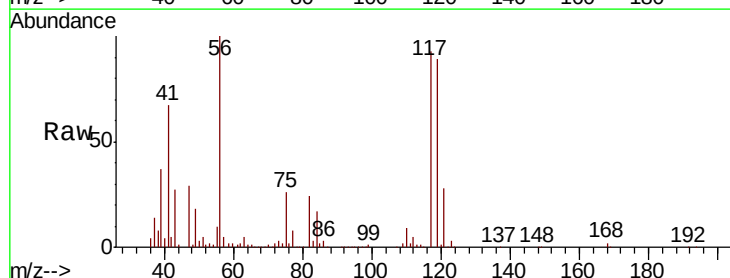
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tgt Ion: 43 Resp: 965676  
Ion Ratio Lower Upper  
43 100  
61 15.7 11.8 17.6  
70 7.9 5.8 8.6

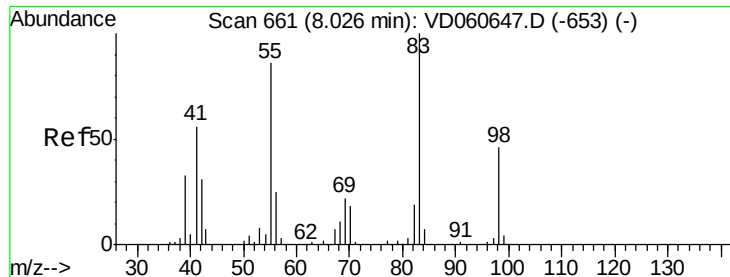


#38  
Carbon Tetrachloride  
Concen: 89.096 ug/l  
RT: 6.50 min Scan# 536  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 117 Resp: 1860782  
Ion Ratio Lower Upper  
117 100  
119 95.8 77.0 115.4  
121 30.0 24.7 37.1



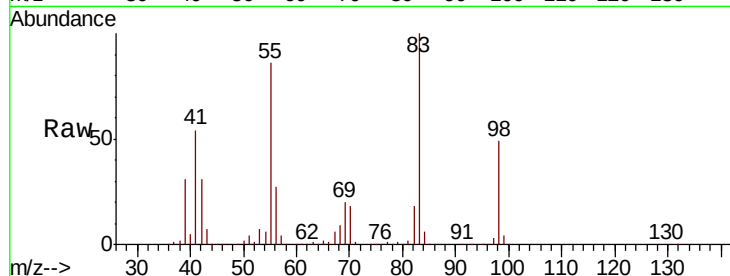




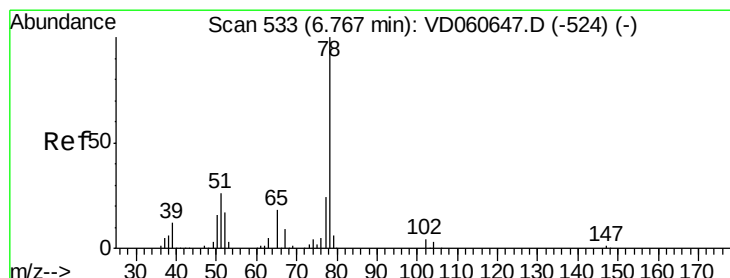
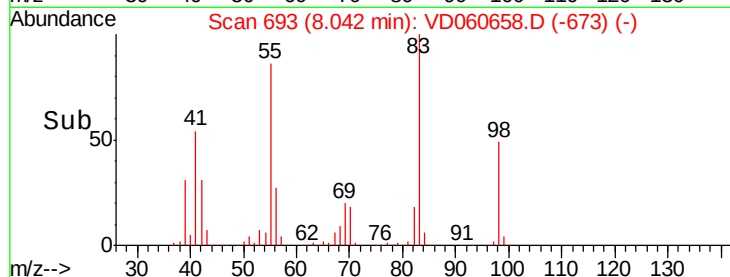
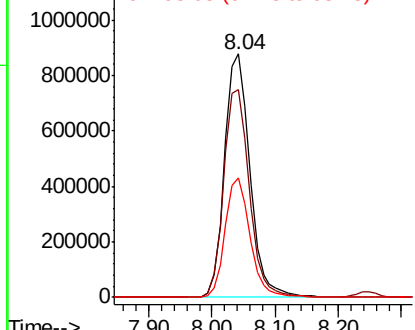
#39  
Methylcyclohexane  
Concen: 90.260 ug/l  
RT: 8.04 min Scan# 693  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC100

Tgt Ion: 83 Resp: 2450856  
Ion Ratio Lower Upper  
83 100  
55 85.6 68.6 102.8  
98 49.1 38.1 57.1

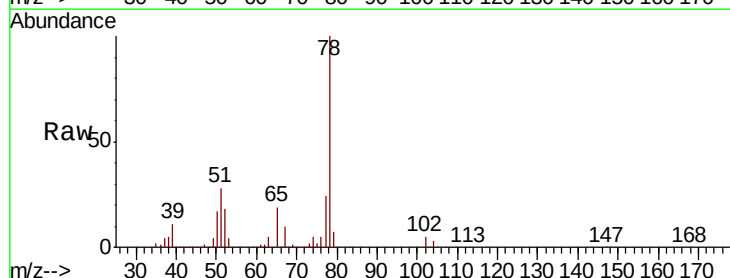


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

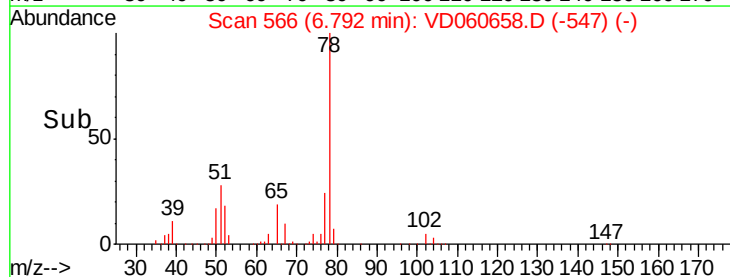
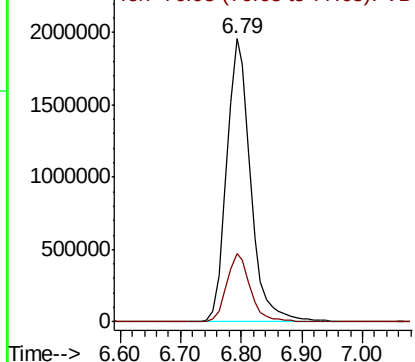


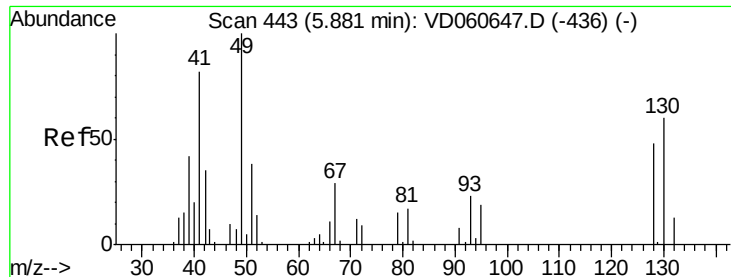
#40  
Benzene  
Concen: 89.468 ug/l  
RT: 6.79 min Scan# 566  
Delta R.T. -0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 78 Resp: 5374067  
Ion Ratio Lower Upper  
78 100  
77 24.3 19.2 28.8



Abundance Ion 77.95 (77.65 to 78.65): VDC  
Ion 76.95 (76.65 to 77.65): VDC

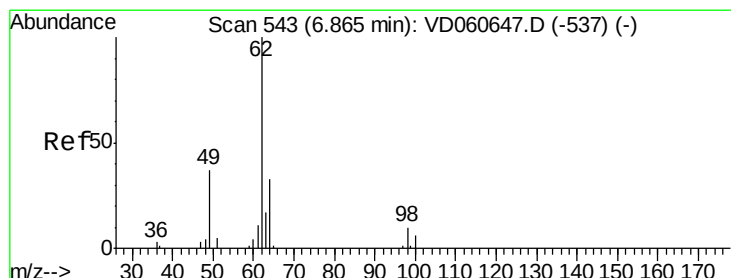
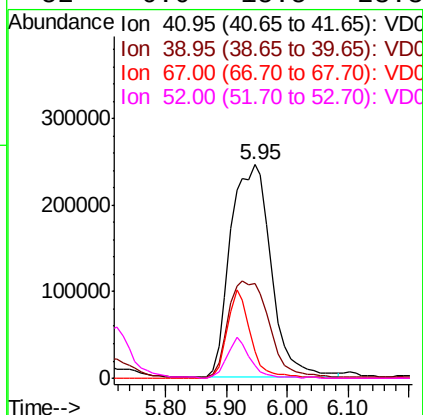
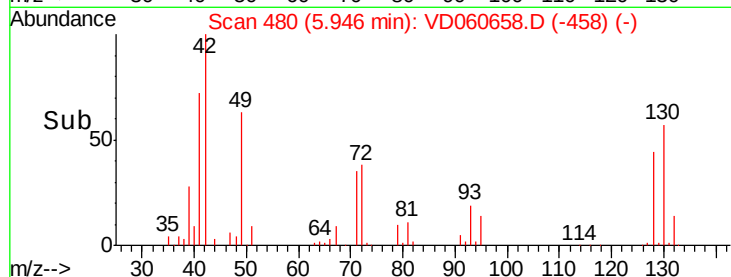
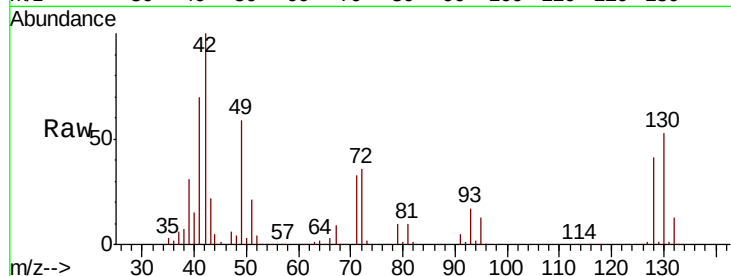




#41  
Methacrylonitrile  
Concen: 202.330 ug/l  
RT: 5.95 min Scan# 480  
Delta R.T. 0.02 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

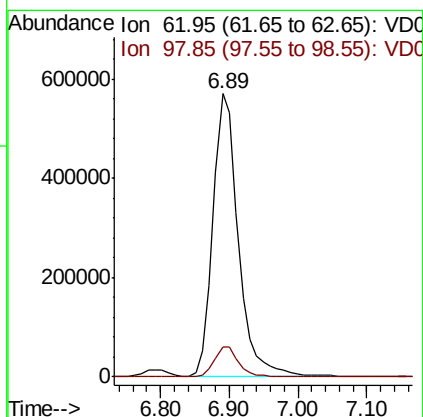
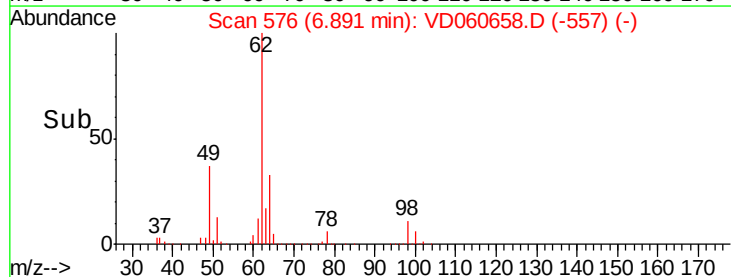
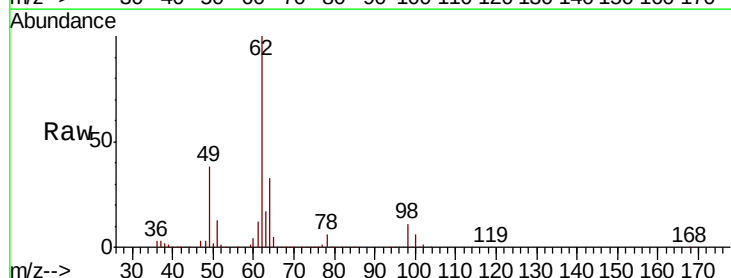
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

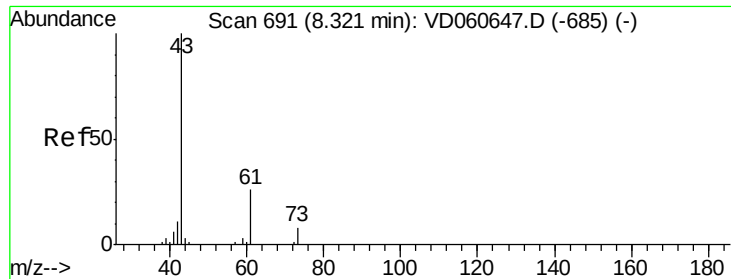
Tgt Ion: 41 Resp: 1145694  
Ion Ratio Lower Upper  
41 100  
39 44.4 37.6 56.4  
67 12.6 33.0 49.6#  
52 6.0 15.5 23.3#



#42  
1,2-Dichloroethane  
Concen: 97.258 ug/l  
RT: 6.89 min Scan# 576  
Delta R.T. -0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 62 Resp: 1451941  
Ion Ratio Lower Upper  
62 100  
98 10.5 0.0 20.4





#43

Isopropyl Acetate

Concen: 105.747 ug/l

RT: 8.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

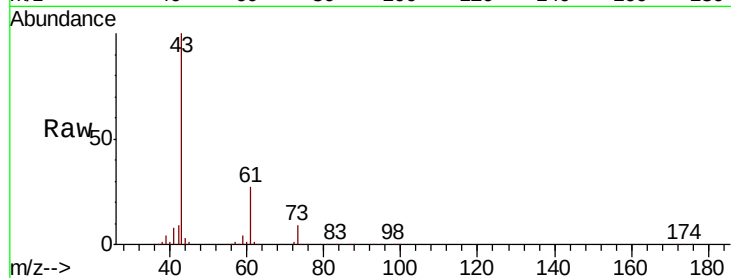
Tgt Ion: 43 Resp: 1372303

Ion Ratio Lower Upper

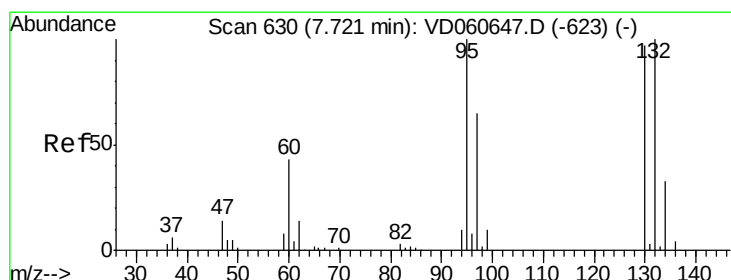
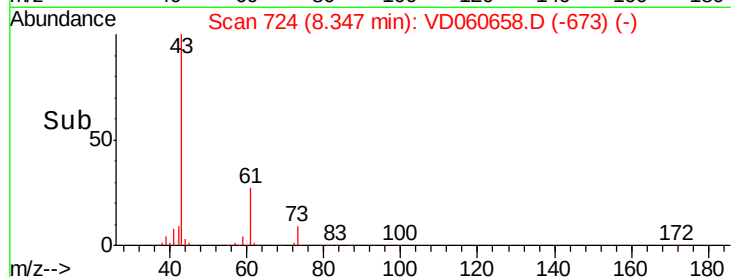
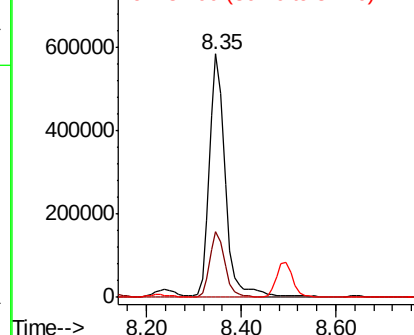
43 100

61 27.1 21.8 32.8

87 0.2 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 94.726 ug/l

RT: 7.74 min Scan# 662

Delta R.T. -0.01 min

Lab File: VD060658.D

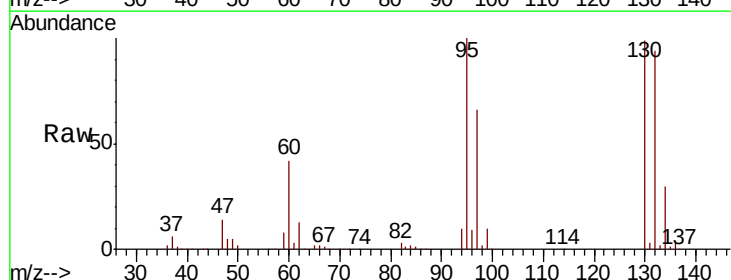
Acq: 20 Dec 2018 14:22

Tgt Ion:130 Resp: 1702649

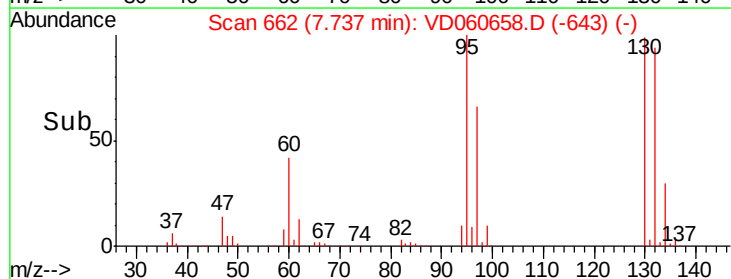
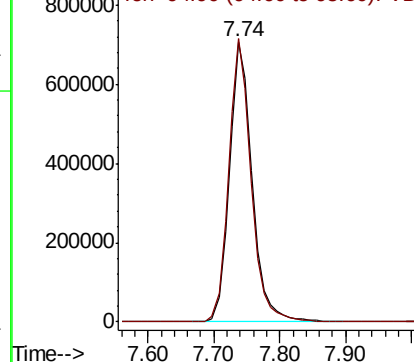
Ion Ratio Lower Upper

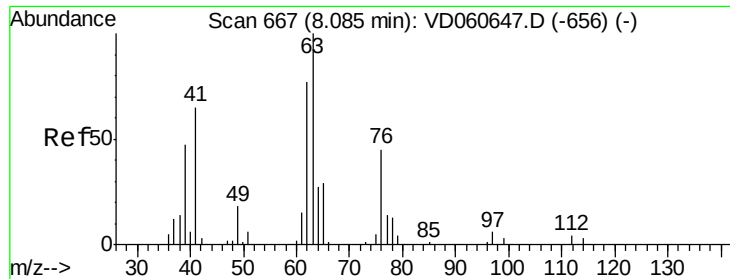
130 100

95 101.1 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC  
Ion 94.90 (94.60 to 95.60): VDC

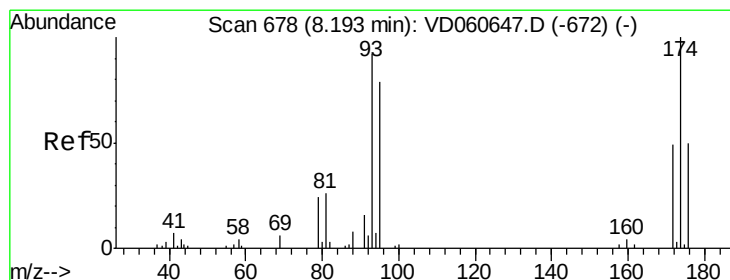
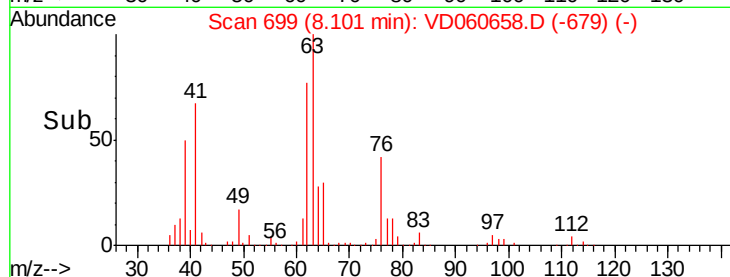
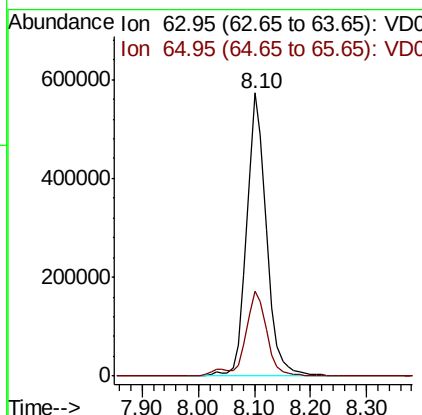
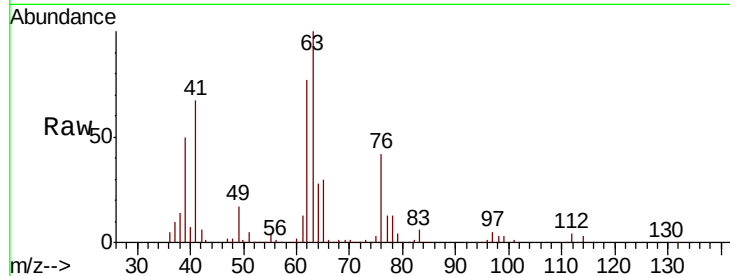




#45  
 1,2-Dichloropropane  
 Concen: 95.826 ug/l  
 RT: 8.10 min Scan# 699  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

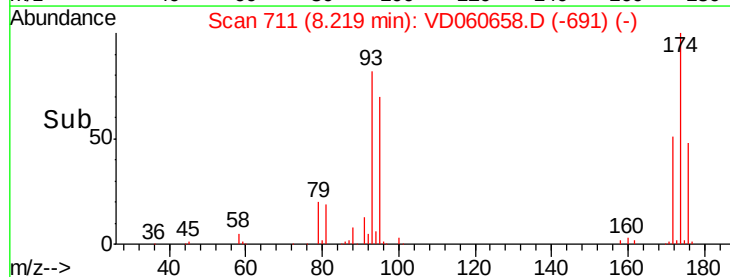
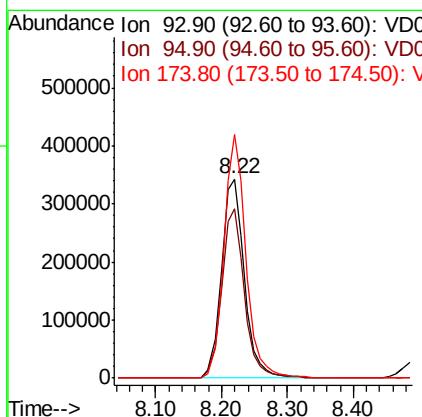
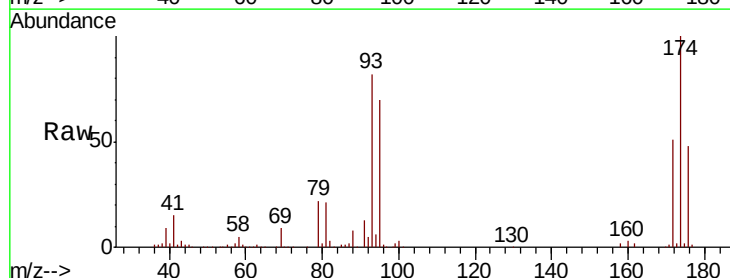
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

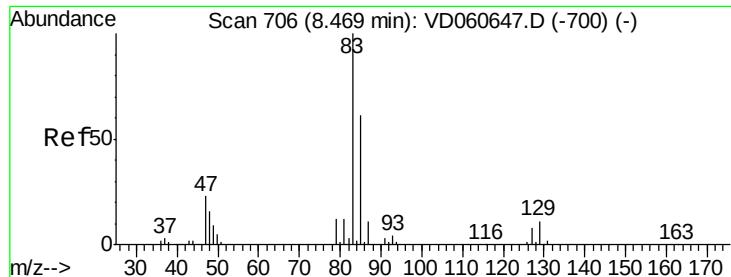
Tgt Ion: 63 Resp: 1397953  
 Ion Ratio Lower Upper  
 63 100  
 65 30.2 25.0 37.6



#46  
 Dibromomethane  
 Concen: 98.416 ug/l  
 RT: 8.22 min Scan# 711  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion: 93 Resp: 832722  
 Ion Ratio Lower Upper  
 93 100  
 95 85.4 68.8 103.2  
 174 122.3 93.0 139.4





#47

Bromodichloromethane

Concen: 95.242 ug/l

RT: 8.49 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

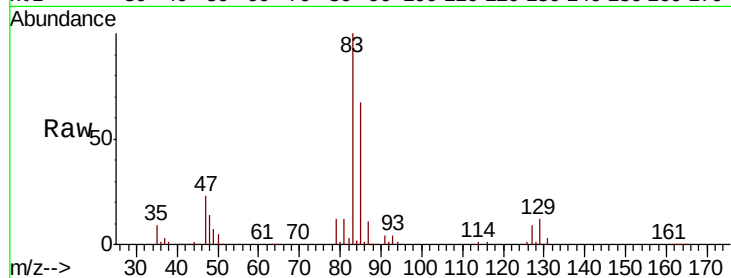
Tgt Ion: 83 Resp: 1948350

Ion Ratio Lower Upper

83 100

85 66.6 51.1 76.7

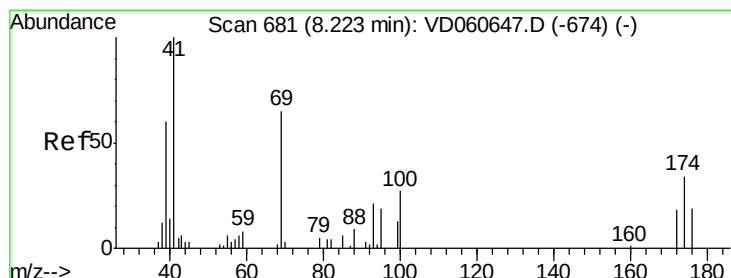
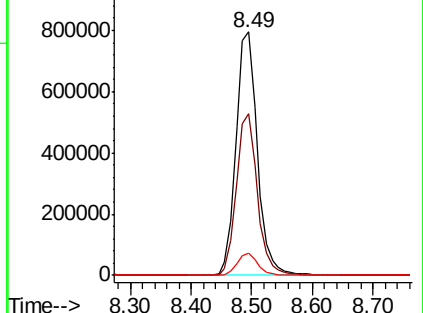
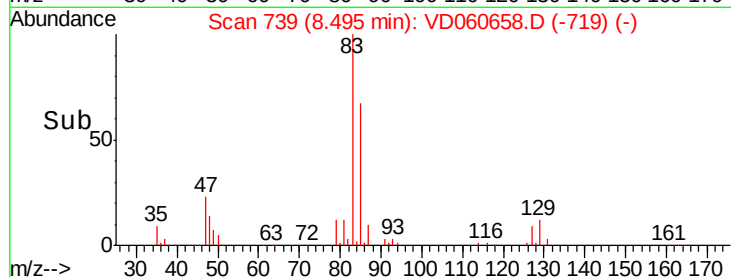
127 9.1 7.0 10.6



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 101.433 ug/l

RT: 8.25 min Scan# 714

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

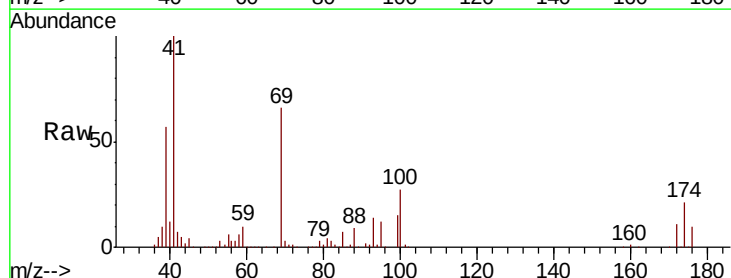
Tgt Ion: 41 Resp: 801236

Ion Ratio Lower Upper

41 100

69 65.6 51.2 76.8

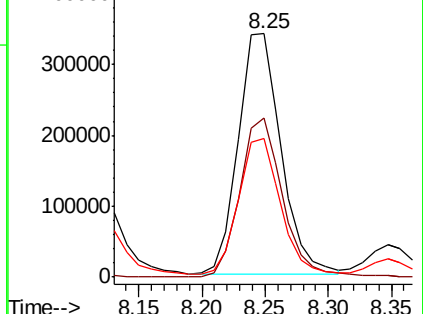
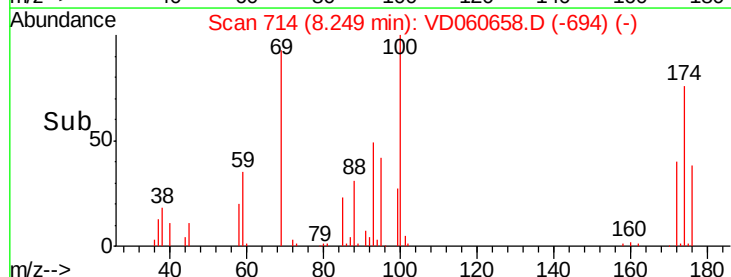
39 57.1 44.6 67.0

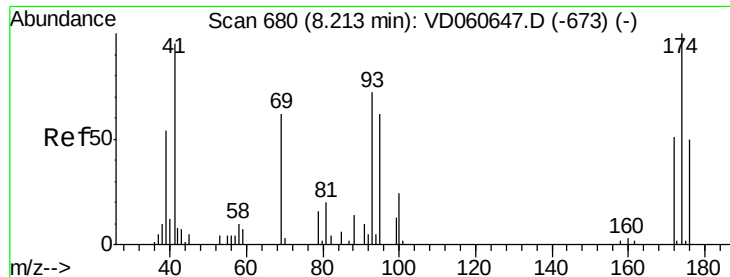


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

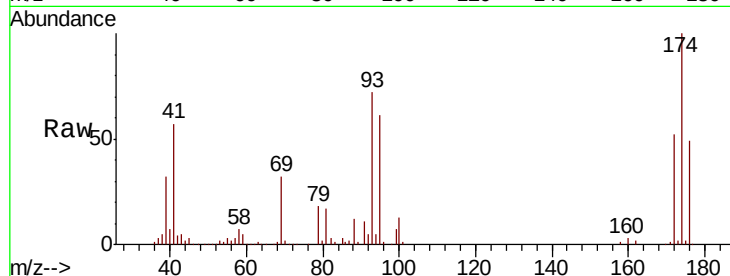




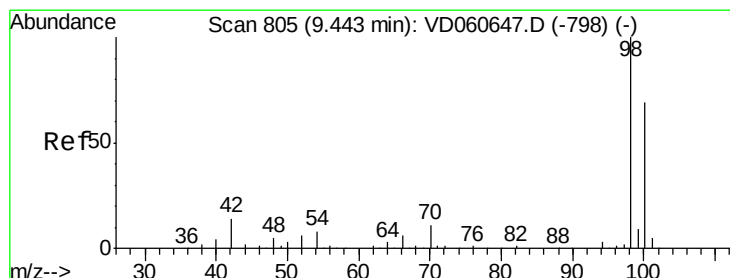
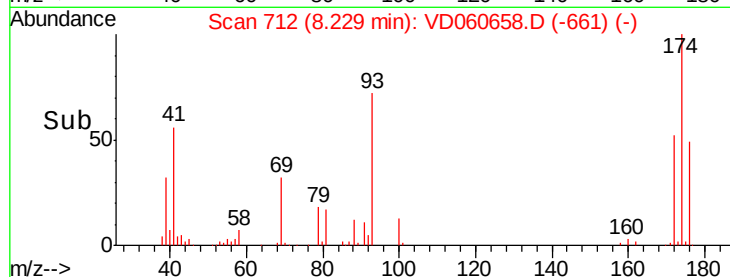
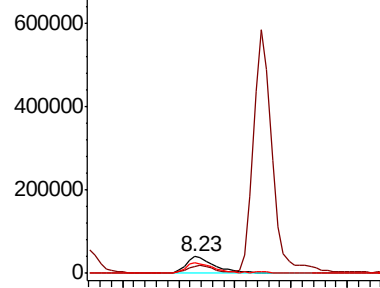
#49  
1,4-Dioxane  
Concen: 2055.132 ug/l  
RT: 8.23 min Scan# 712  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion: 88 Resp: 152006  
Ion Ratio Lower Upper  
88 100  
43 44.6 31.5 47.3  
58 62.7 50.6 76.0

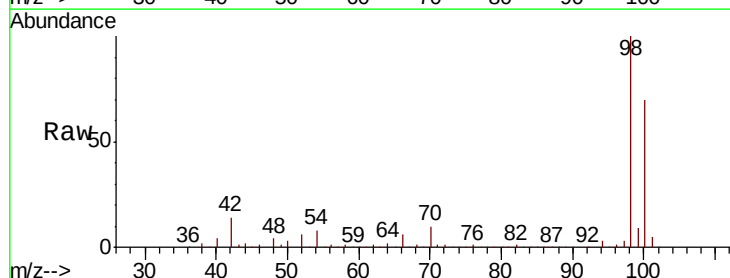


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

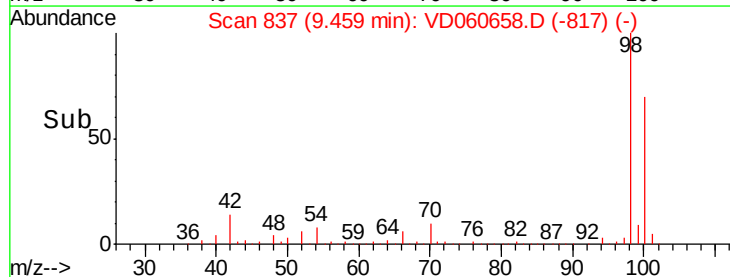
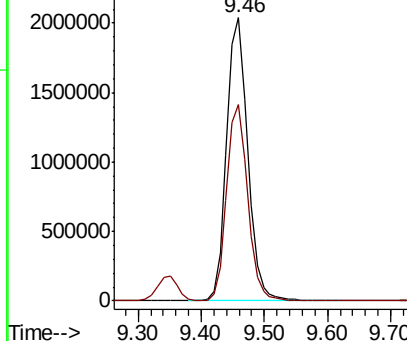


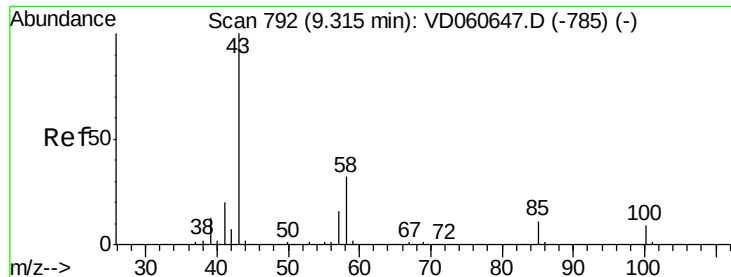
#50  
Toluene-d8  
Concen: 2055.132 ug/l  
RT: 9.46 min Scan# 837  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 98 Resp: 4709238  
Ion Ratio Lower Upper  
98 100  
100 69.6 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC  
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 478.224 ug/l

RT: 9.34 min Scan# 825

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

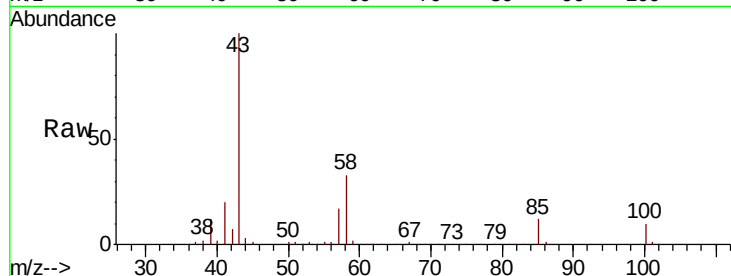
VSTDIC100

Tgt Ion: 43 Resp: 3806150

Ion Ratio Lower Upper

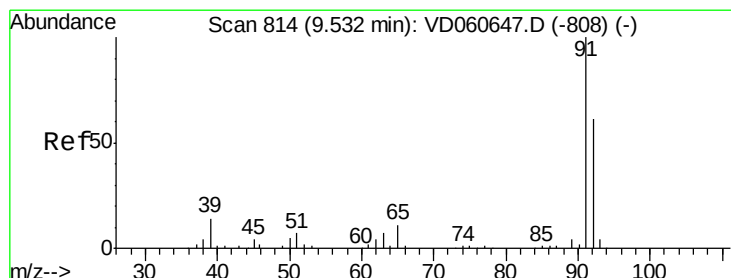
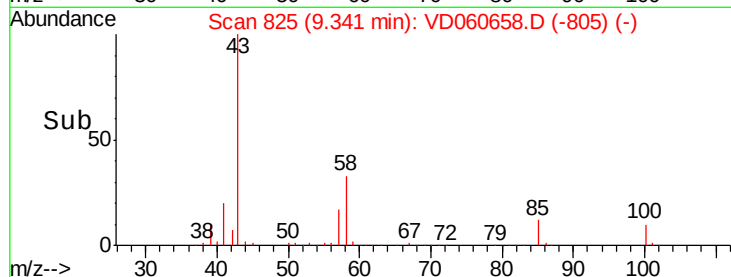
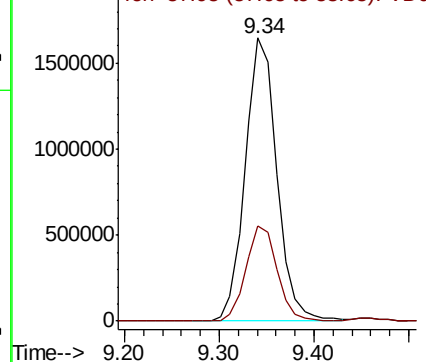
43 100

58 33.4 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 90.112 ug/l

RT: 9.55 min Scan# 846

Delta R.T. 0.00 min

Lab File: VD060658.D

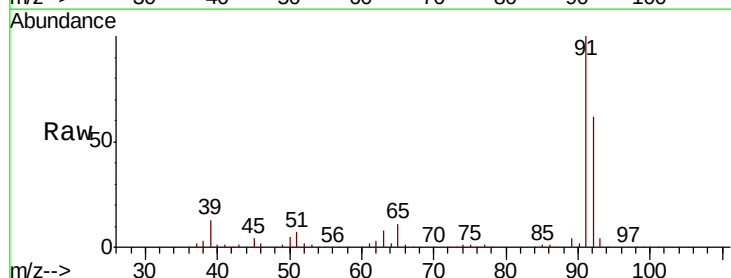
Acq: 20 Dec 2018 14:22

Tgt Ion: 92 Resp: 3437565

Ion Ratio Lower Upper

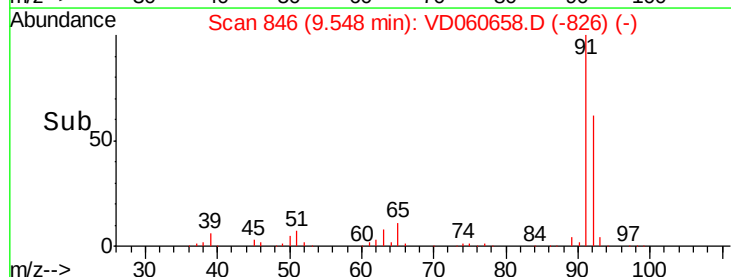
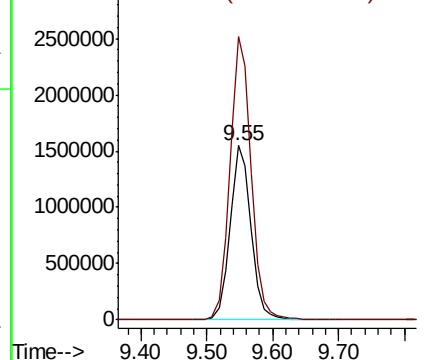
92 100

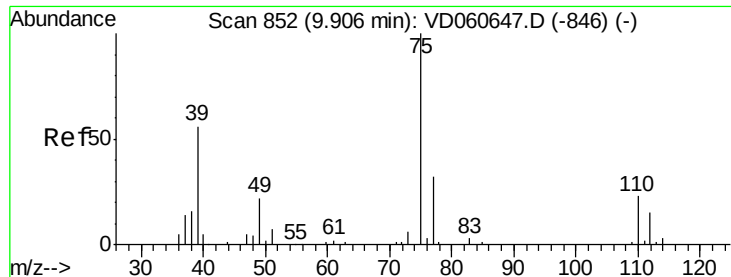
91 162.5 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

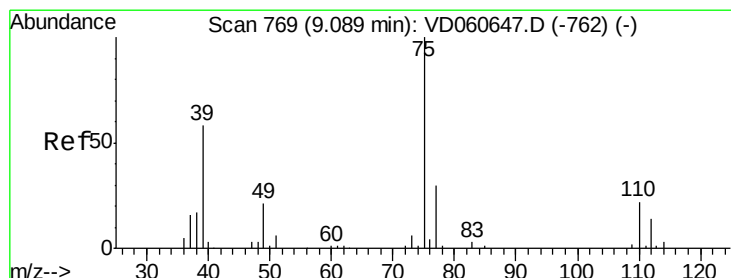
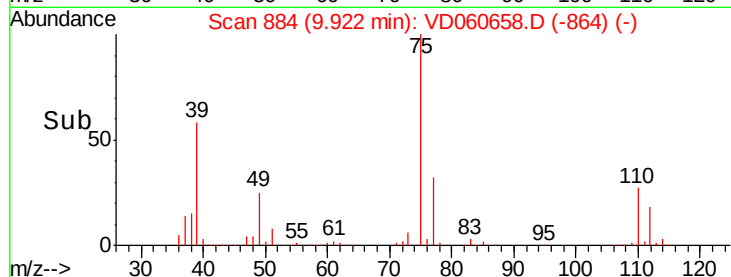
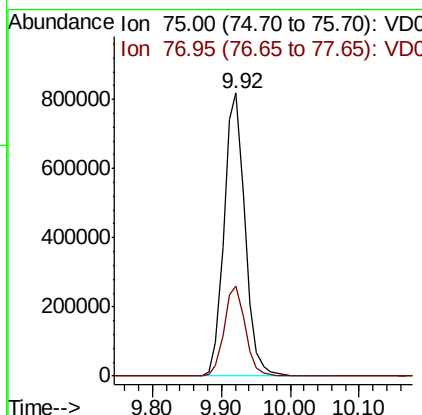
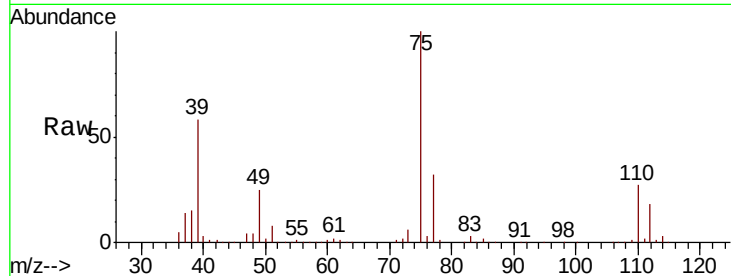




#53  
 t-1,3-Dichloropropene  
 Concen: 98.908 ug/l  
 RT: 9.92 min Scan# 884  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

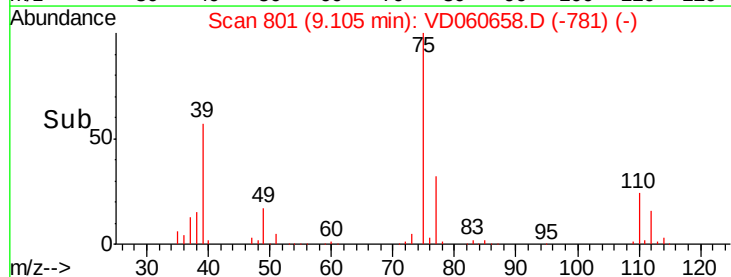
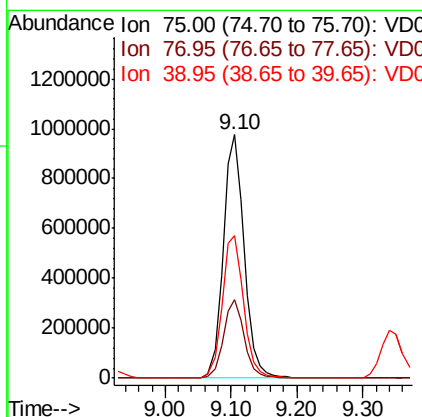
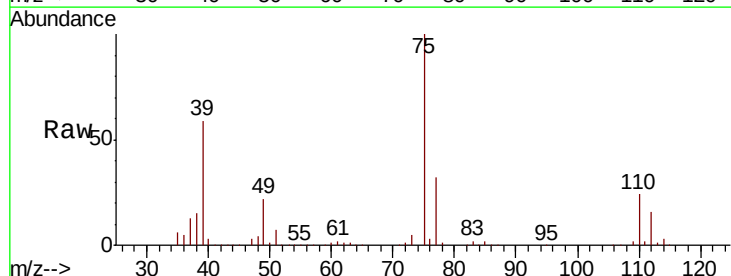
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tgt Ion: 75 Resp: 1717946  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 26.0 39.0

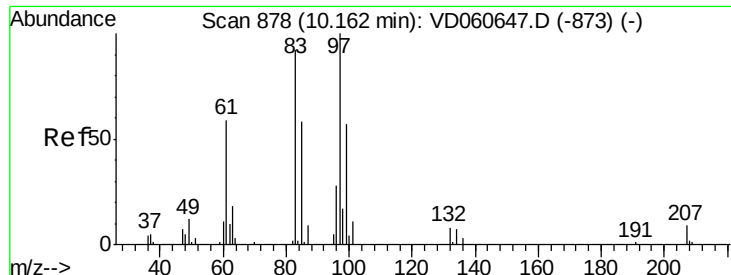


#54  
 cis-1,3-Dichloropropene  
 Concen: 95.420 ug/l  
 RT: 9.10 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion: 75 Resp: 2166372  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 25.4 38.2  
 39 58.8 47.0 70.4





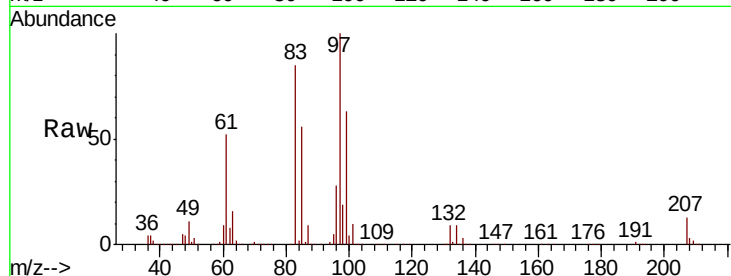


#55  
 1,1,2-Trichloroethane  
 Concen: 99.082 ug/l  
 RT: 10.19 min Scan# 911  
 Delta R.T. 0.01 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

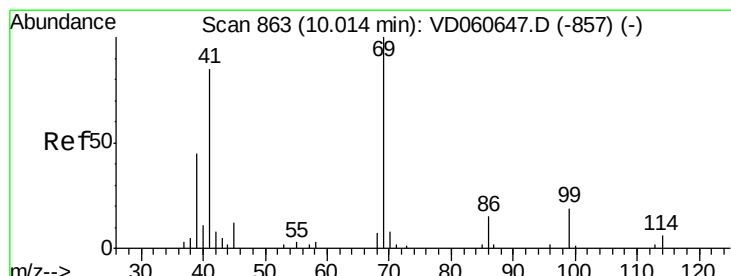
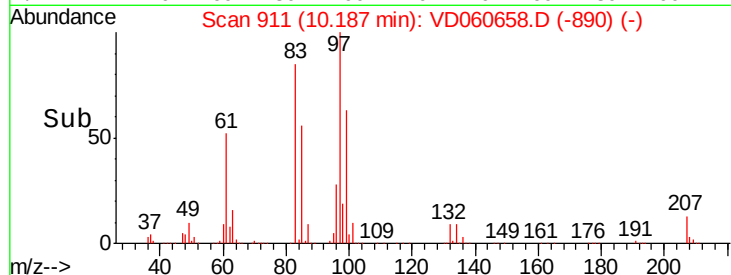
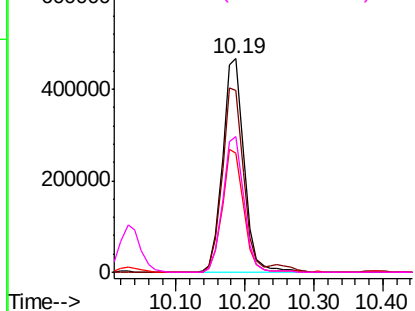
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tgt Ion: 97 Resp: 1002328

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 85.0  | 70.0  | 105.0 |
| 85  | 55.9  | 46.6  | 70.0  |
| 99  | 63.5  | 49.6  | 74.4  |



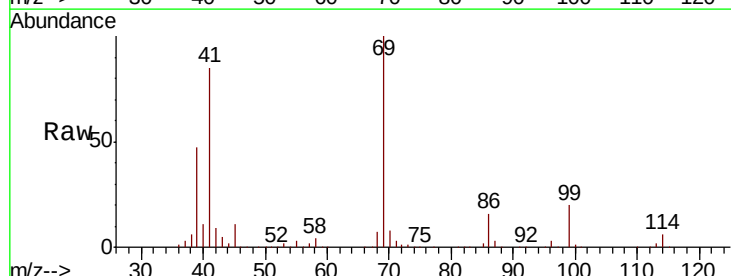
Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC



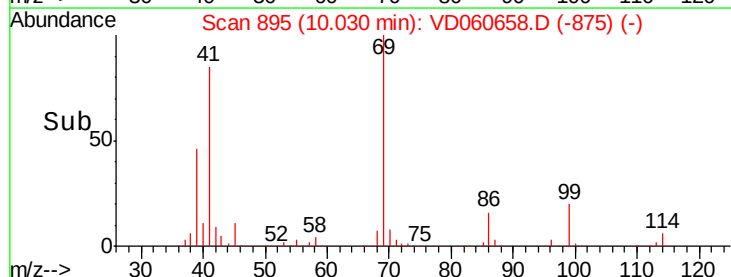
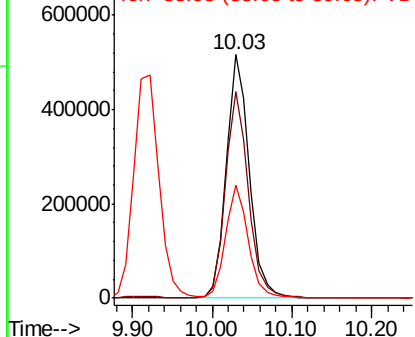
#56  
 Ethyl methacrylate  
 Concen: 101.588 ug/l  
 RT: 10.03 min Scan# 895  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

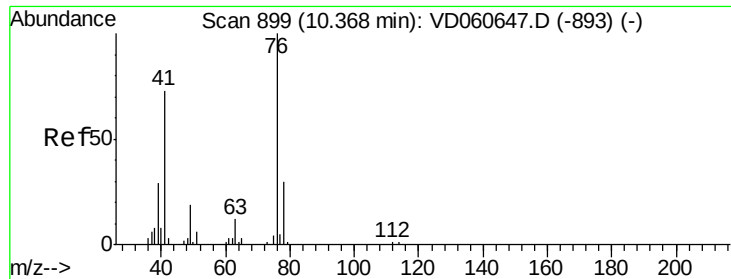
Tgt Ion: 69 Resp: 1051246

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 84.9  | 68.3  | 102.5 |
| 39  | 46.6  | 37.2  | 55.8  |



Abundance Ion 69.00 (68.70 to 69.70): VDC  
 Ion 41.05 (40.75 to 41.75): VDC  
 Ion 38.95 (38.65 to 39.65): VDC

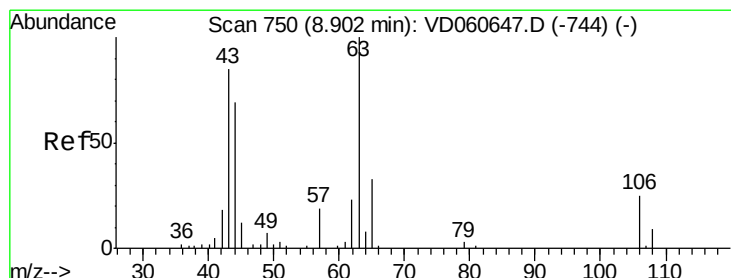
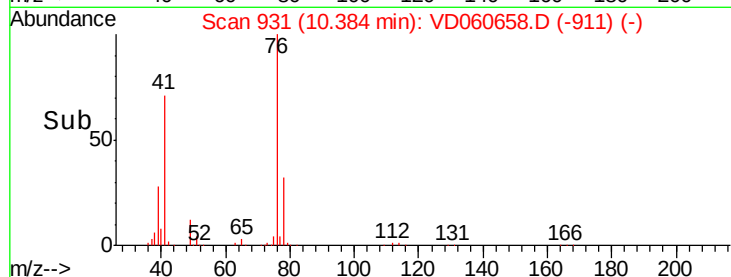
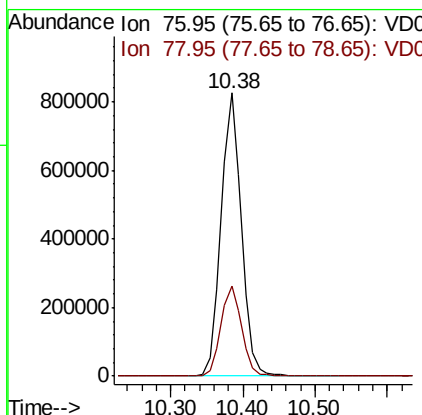
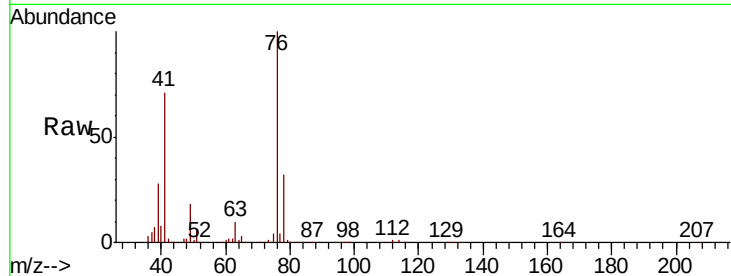




#57  
 1,3-Dichloropropane  
 Concen: 99.204 ug/l  
 RT: 10.38 min Scan# 931  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

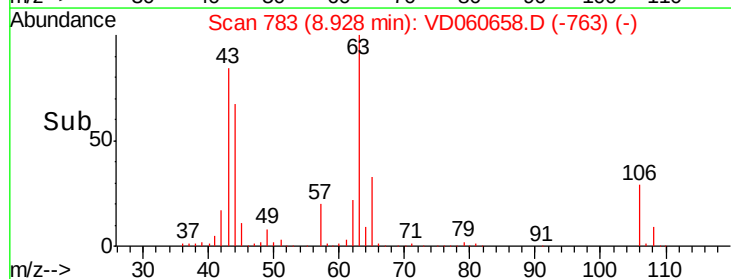
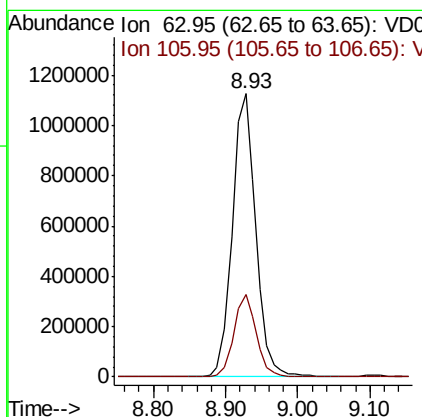
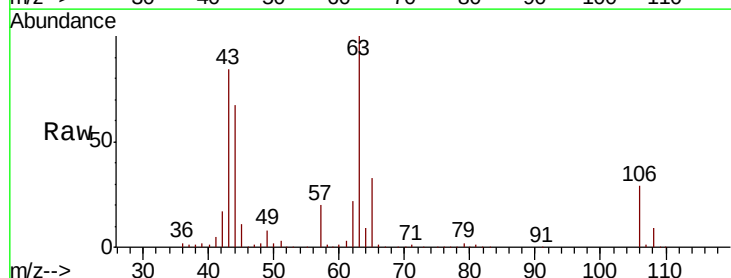
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

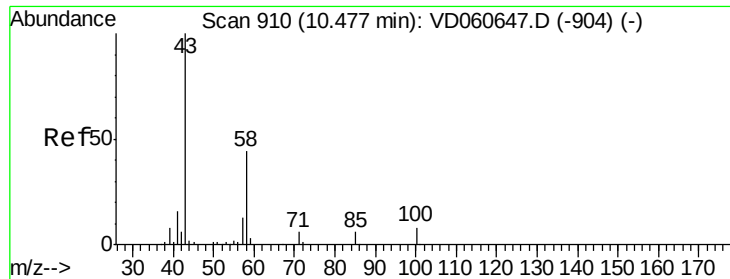
Tgt Ion: 76 Resp: 1600464  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 26.1 39.1



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 465.770 ug/l  
 RT: 8.93 min Scan# 783  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion: 63 Resp: 2543278  
 Ion Ratio Lower Upper  
 63 100  
 106 29.1 22.4 33.6

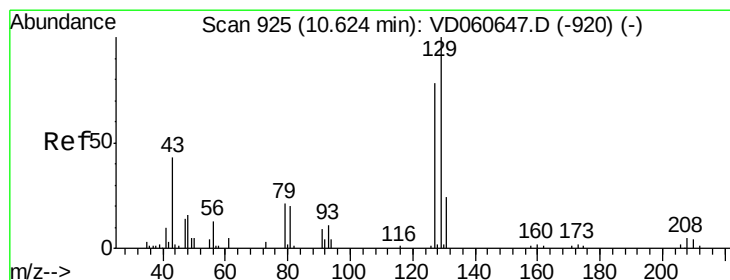
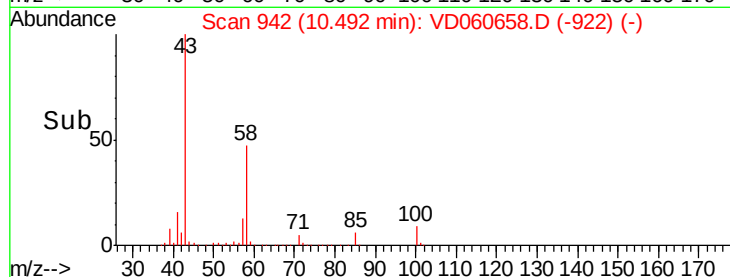
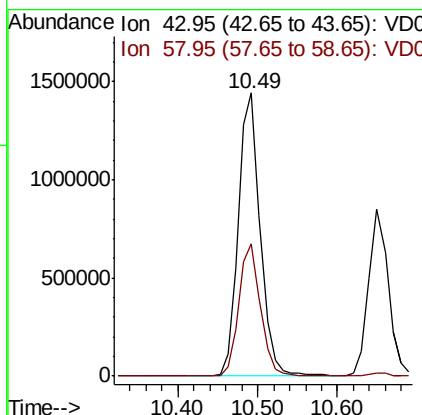
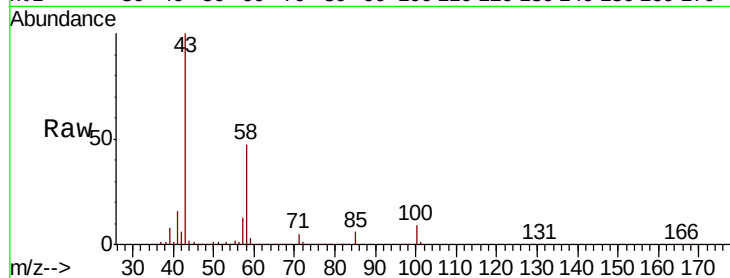




#59  
2-Hexanone  
Concen: 487.977 ug/l  
RT: 10.49 min Scan# 942  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

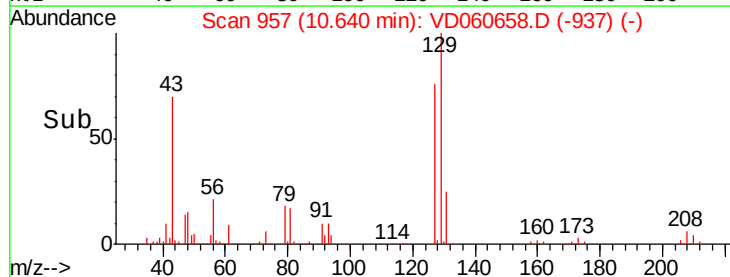
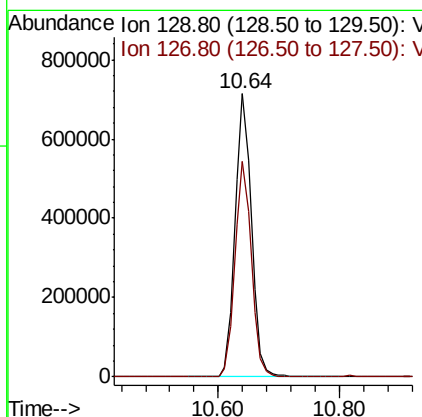
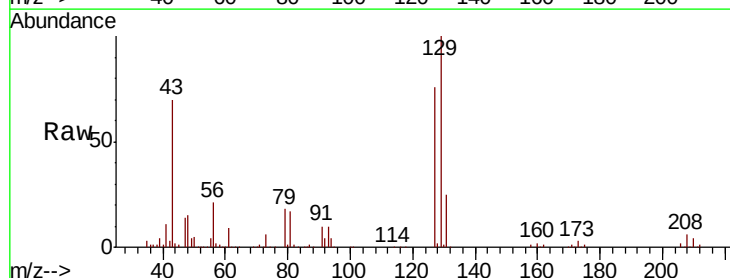
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

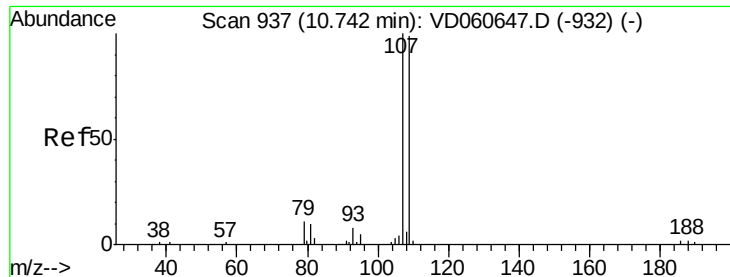
Tgt Ion: 43 Resp: 2759551  
Ion Ratio Lower Upper  
43 100  
58 46.9 23.5 70.5



#60  
Dibromochloromethane  
Concen: 97.633 ug/l  
RT: 10.64 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 129 Resp: 1339221  
Ion Ratio Lower Upper  
129 100  
127 76.0 37.6 112.9

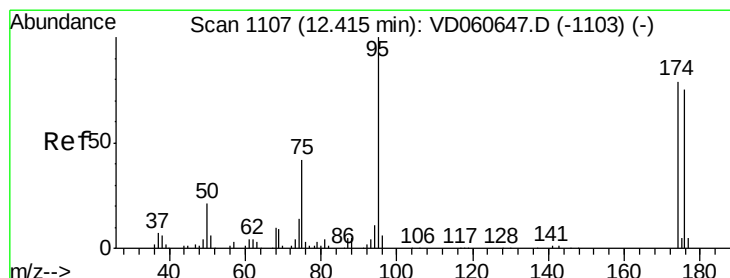
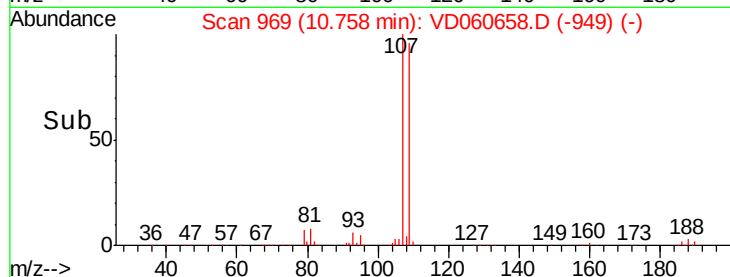
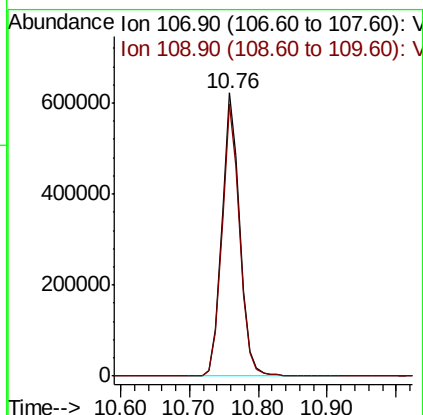
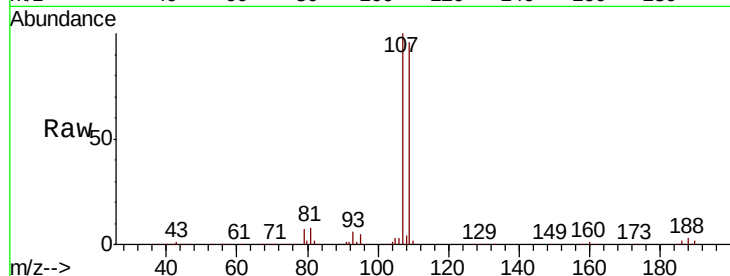




#61  
 1,2-Dibromoethane  
 Concen: 101.579 ug/l  
 RT: 10.76 min Scan# 969  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

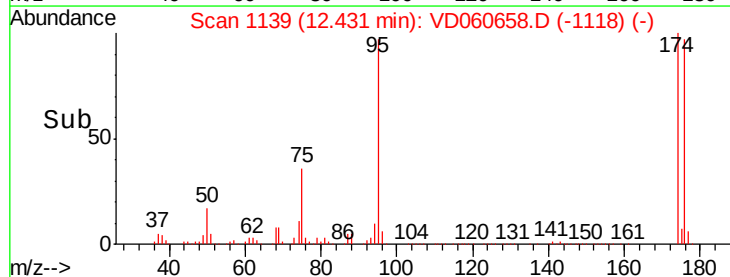
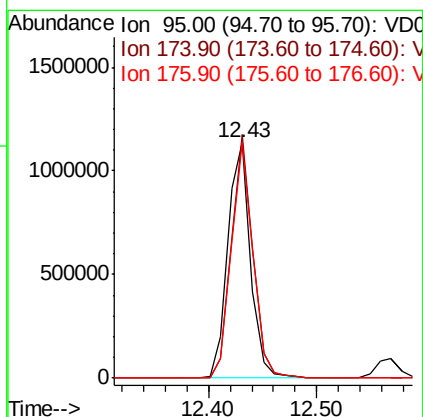
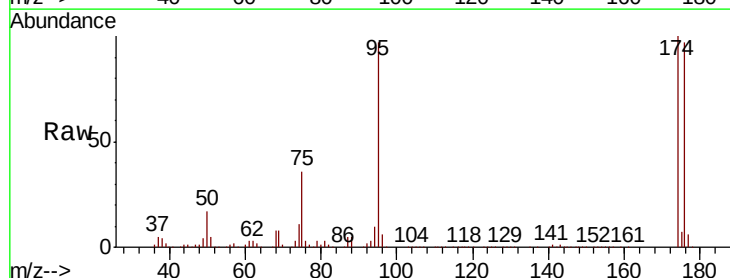
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

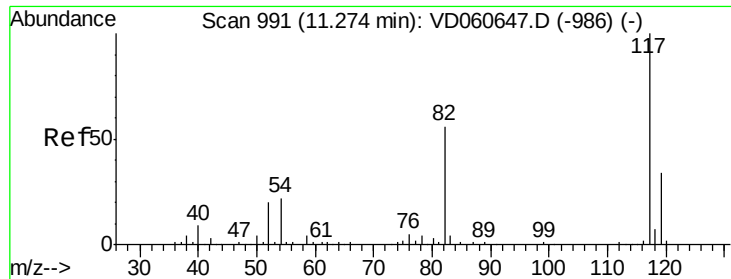
Tgt Ion: 107 Resp: 1105376  
 Ion Ratio Lower Upper  
 107 100  
 109 95.9 78.0 117.0



#62  
 4-Bromofluorobenzene  
 Concen: 101.579 ug/l  
 RT: 12.43 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion: 95 Resp: 1653997  
 Ion Ratio Lower Upper  
 95 100  
 174 103.5 0.0 158.2  
 176 100.3 0.0 152.4

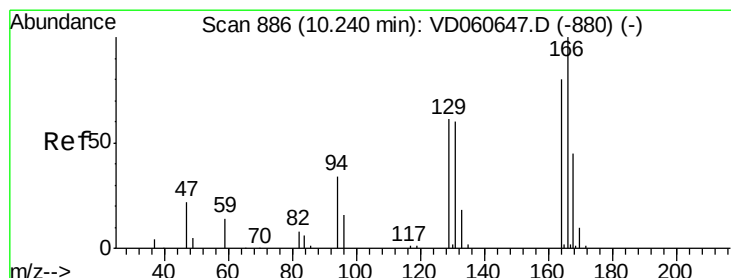
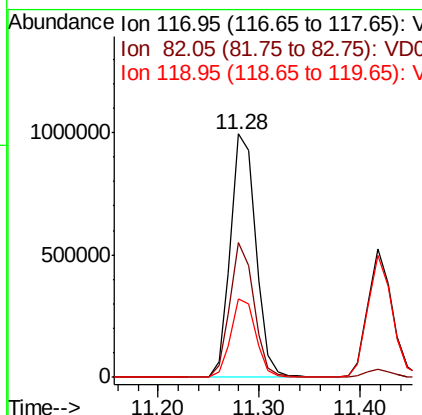
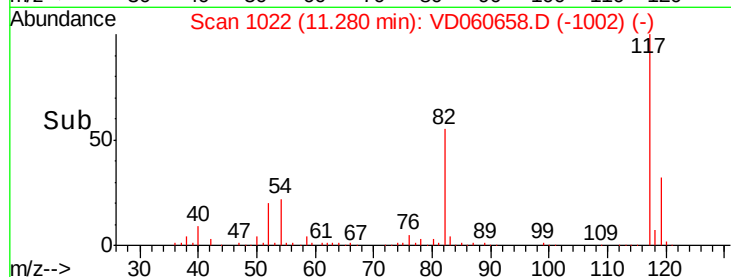
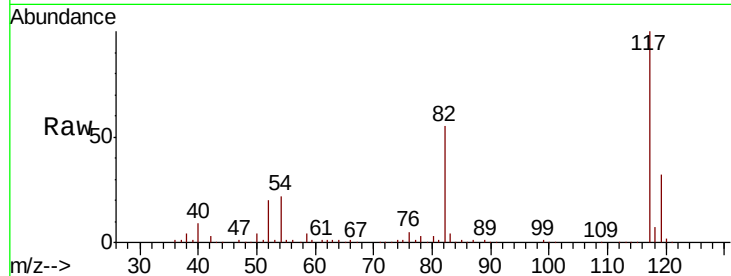




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.28 min Scan# 1022  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

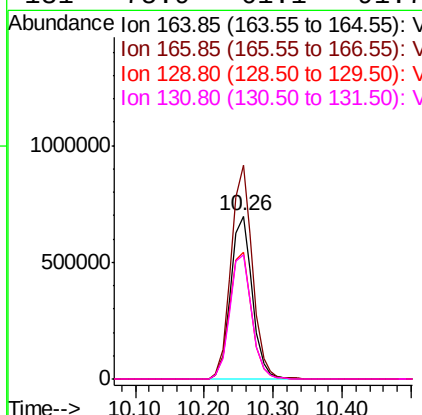
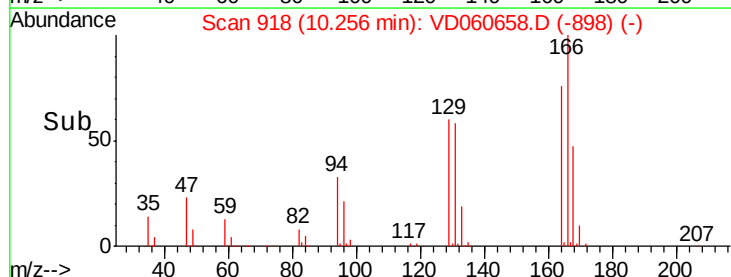
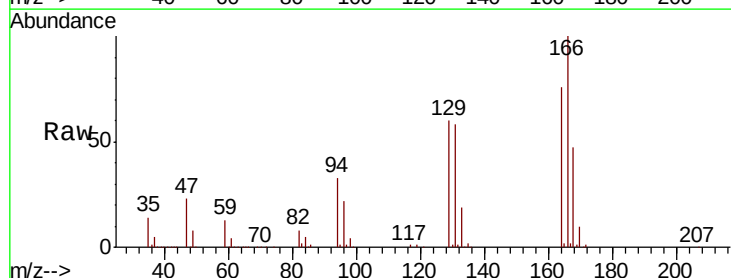
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

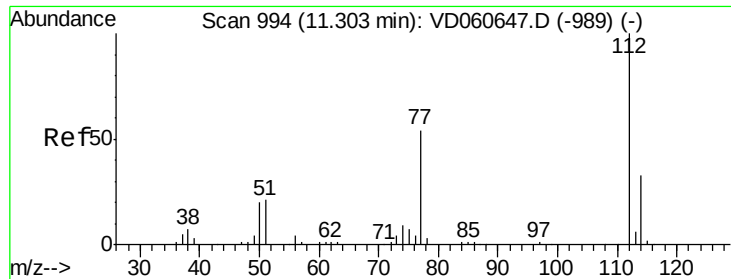
Tgt Ion:117 Resp: 1737869  
Ion Ratio Lower Upper  
117 100  
82 55.1 44.5 66.7  
119 32.3 26.3 39.5



#64  
Tetrachloroethene  
Concen: 90.119 ug/l  
RT: 10.26 min Scan# 918  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion:164 Resp: 1514440  
Ion Ratio Lower Upper  
164 100  
166 131.3 104.4 156.6  
129 78.3 62.7 94.1  
131 75.9 61.1 91.7

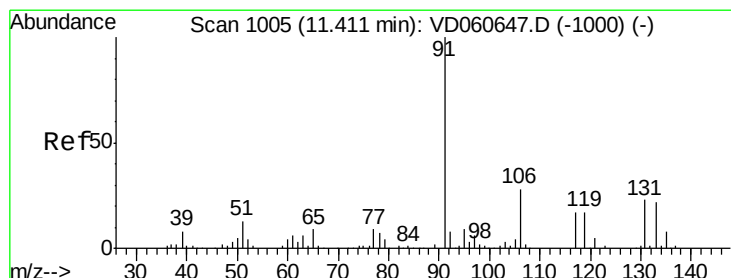
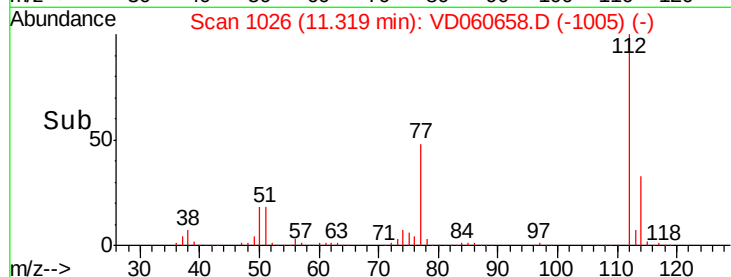
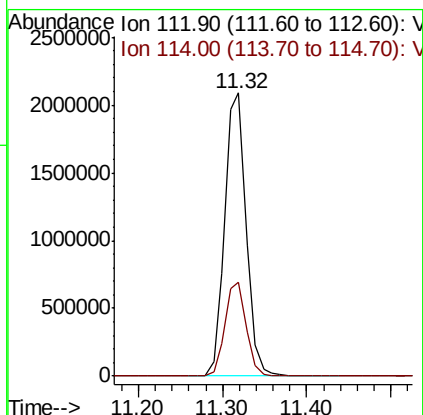
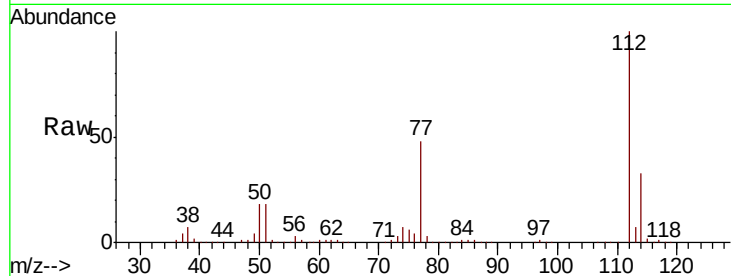




#65  
Chlorobenzene  
Concen: 90.177 ug/l  
RT: 11.32 min Scan# 1026  
Delta R.T. 0.01 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

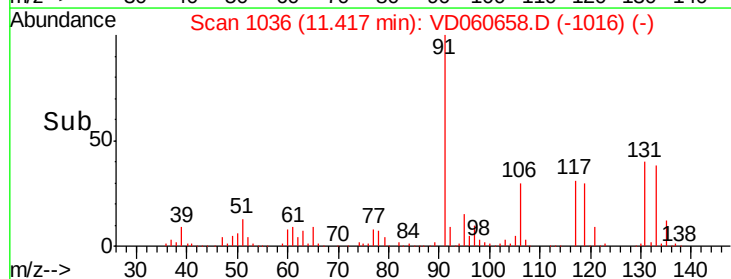
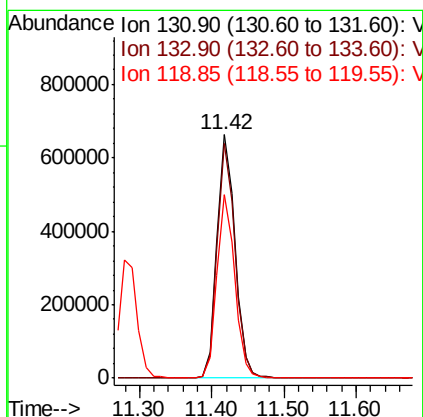
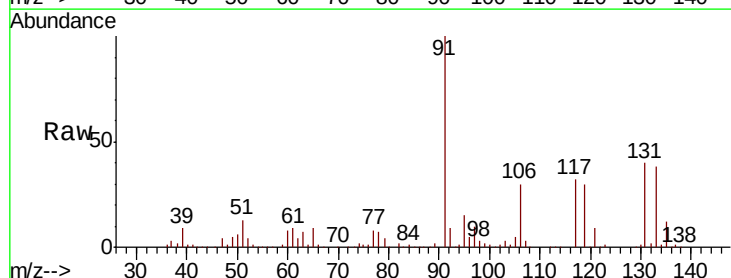
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

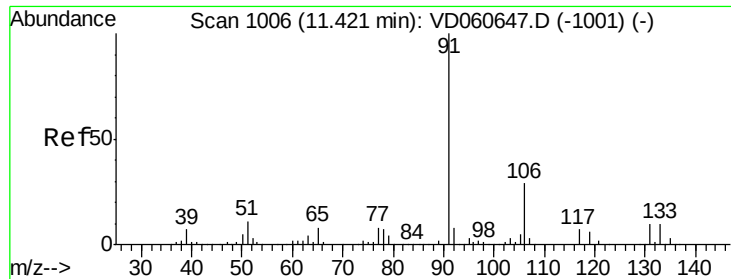
Tgt Ion:112 Resp: 3682200  
Ion Ratio Lower Upper  
112 100  
114 33.1 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 85.145 ug/l  
RT: 11.42 min Scan# 1036  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion:131 Resp: 1139397  
Ion Ratio Lower Upper  
131 100  
133 96.1 49.1 147.3  
119 75.3 36.6 109.8

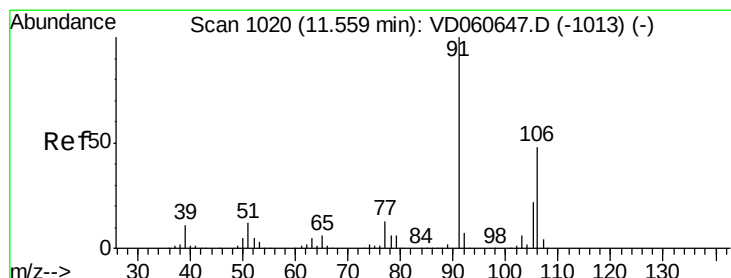
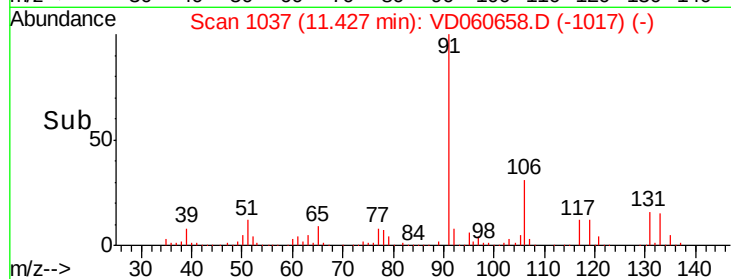
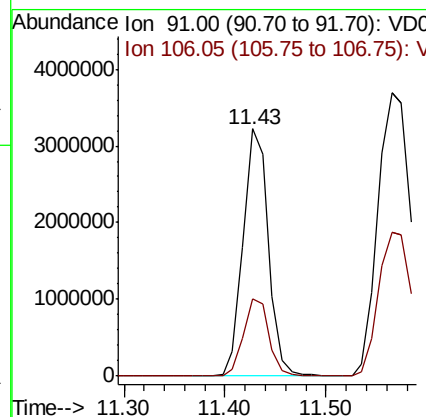
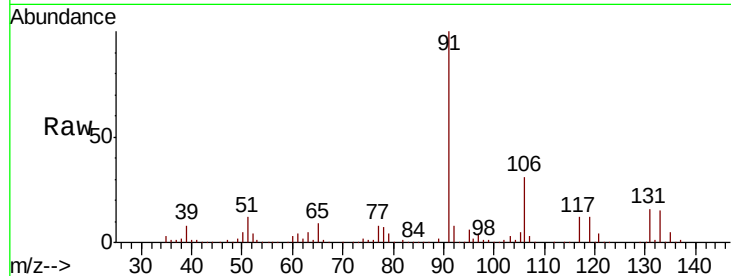




#67  
Ethyl Benzene  
Concen: 79.998 ug/l  
RT: 11.43 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

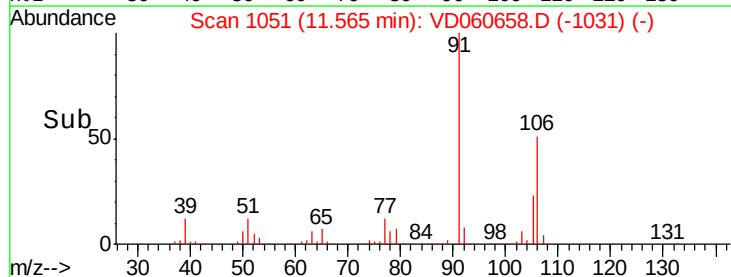
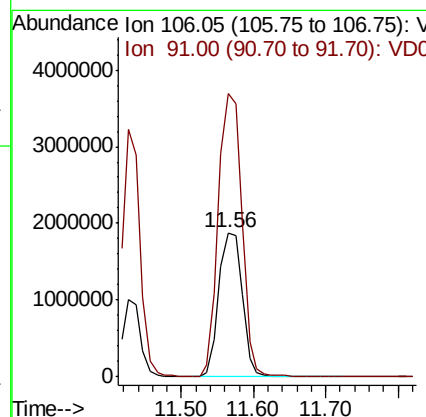
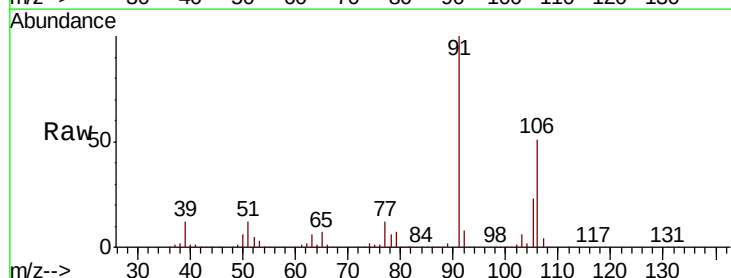
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

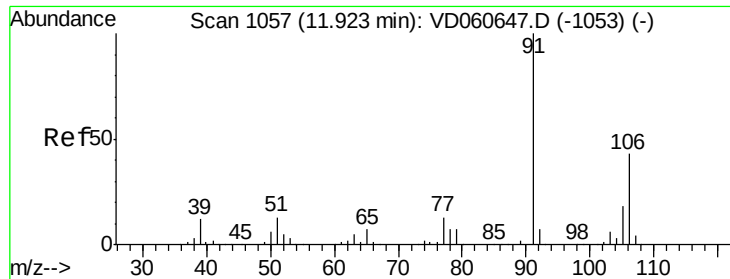
Tgt Ion: 91 Resp: 5612201  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.6 36.8



#68  
m/p-Xylenes  
Concen: 165.115 ug/l  
RT: 11.56 min Scan# 1051  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 106 Resp: 4206809  
Ion Ratio Lower Upper  
106 100  
91 195.9 158.9 238.3

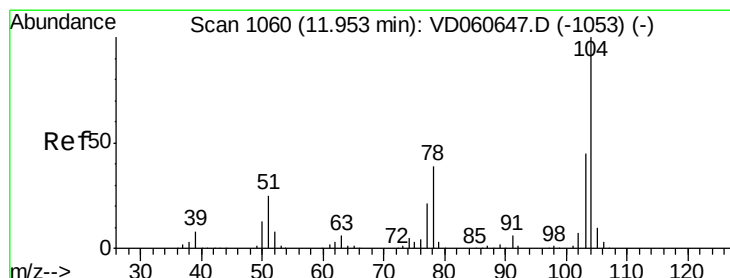
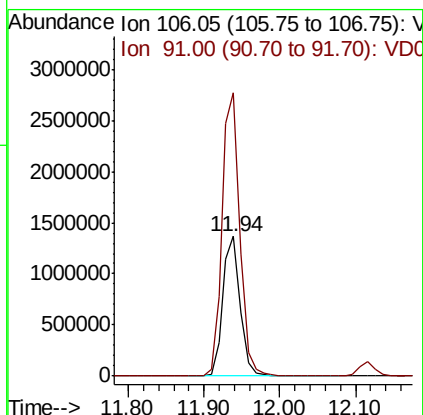
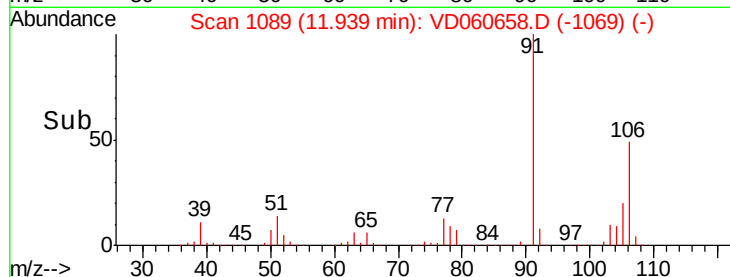
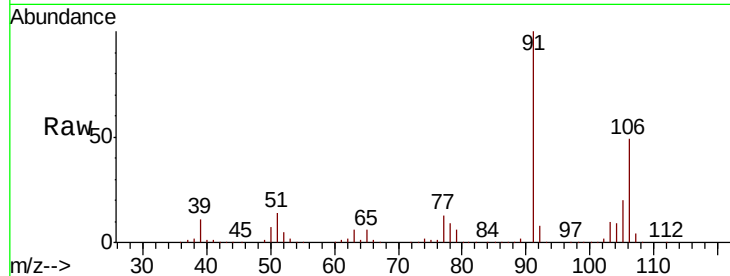




#69  
o-Xylene  
Concen: 87.791 ug/l  
RT: 11.94 min Scan# 1089  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

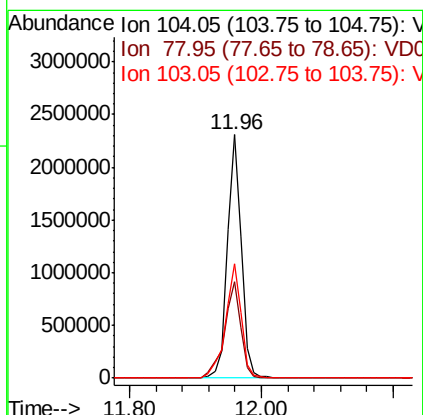
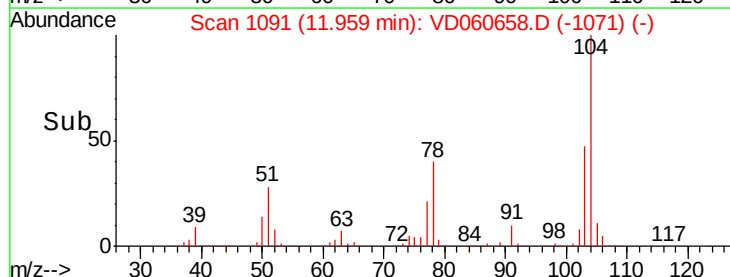
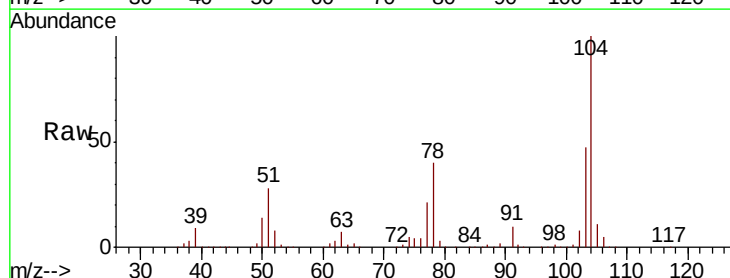
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion:106 Resp: 2168382  
Ion Ratio Lower Upper  
106 100  
91 202.3 101.5 304.5

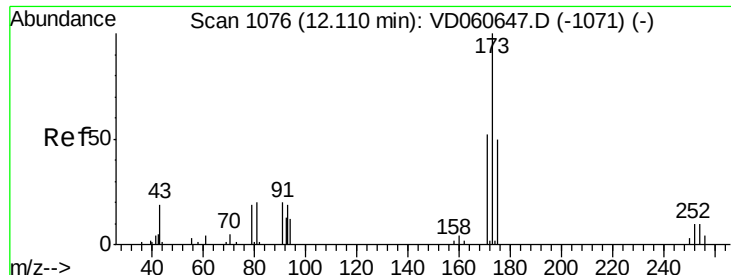


#70  
Styrene  
Concen: 86.031 ug/l  
RT: 11.96 min Scan# 1091  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion:104 Resp: 3428774  
Ion Ratio Lower Upper  
104 100  
78 39.8 31.4 47.2  
103 47.0 37.5 56.3







#71

Bromoform

Concen: 104.904 ug/l

RT: 12.12 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

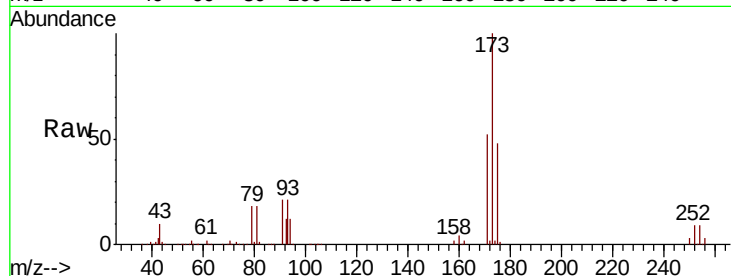
Tgt Ion:173 Resp: 945338

Ion Ratio Lower Upper

173 100

175 48.3 25.5 76.5

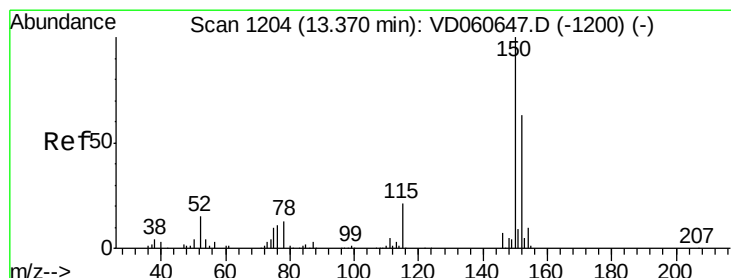
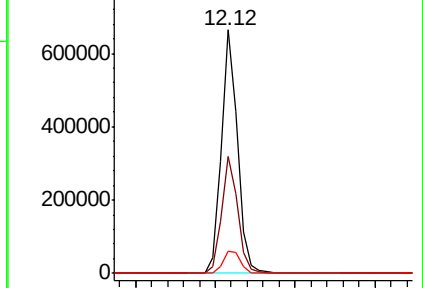
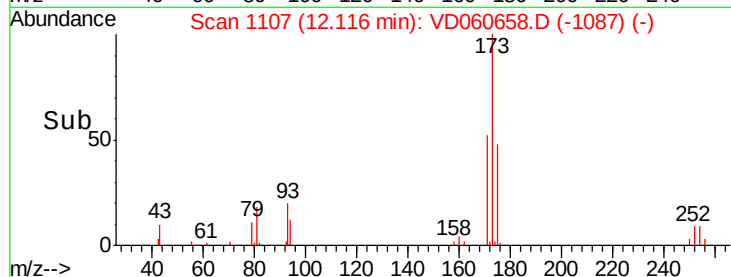
254 8.9 7.9 11.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

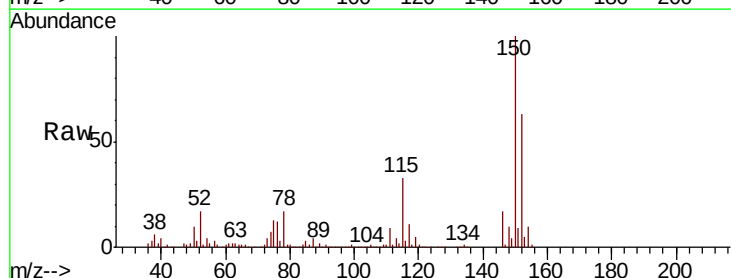
Tgt Ion:152 Resp: 897620

Ion Ratio Lower Upper

152 100

115 51.4 24.1 72.3

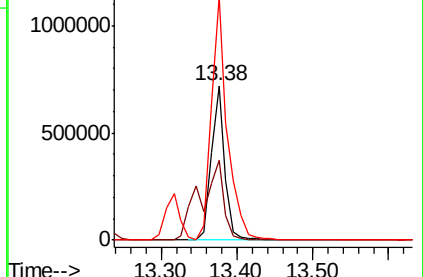
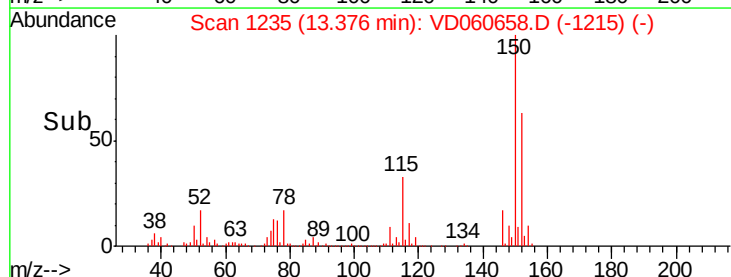
150 157.7 0.0 315.0

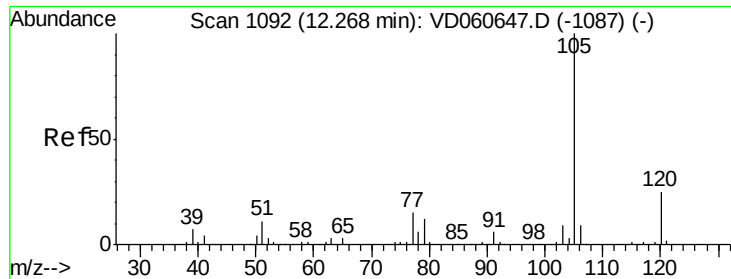


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 85.911 ug/l

RT: 12.28 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

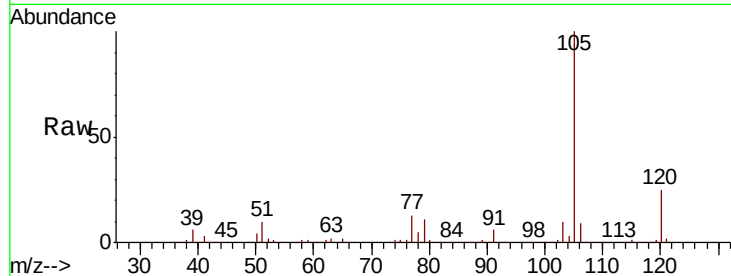
VSTDIC100

Tgt Ion:105 Resp: 5904825

Ion Ratio Lower Upper

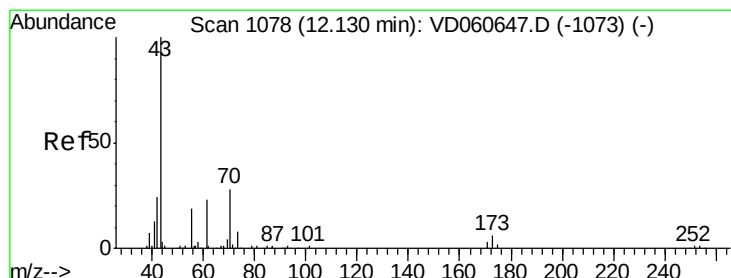
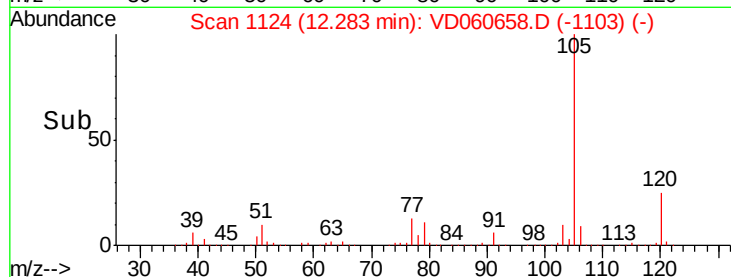
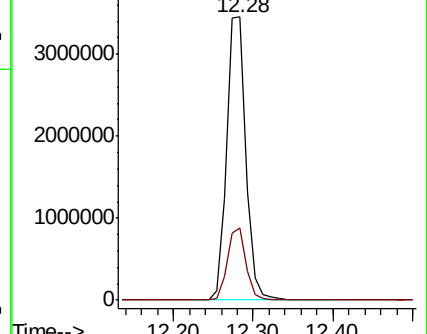
105 100

120 25.3 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 104.467 ug/l

RT: 12.14 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Tgt Ion: 43 Resp: 1700838

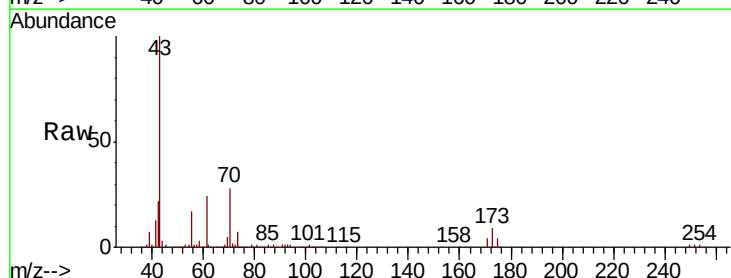
Ion Ratio Lower Upper

43 100

70 28.5 22.2 33.2

55 17.5 13.8 20.8

61 23.7 18.2 27.2

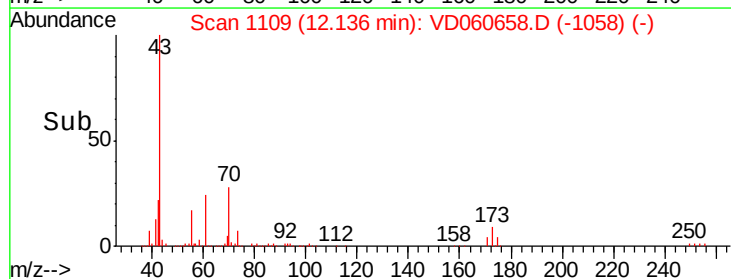
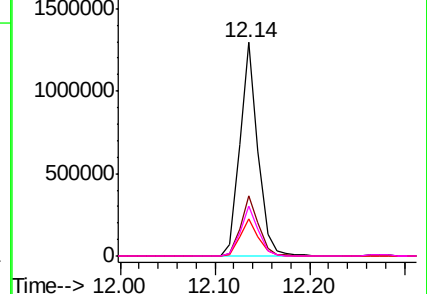


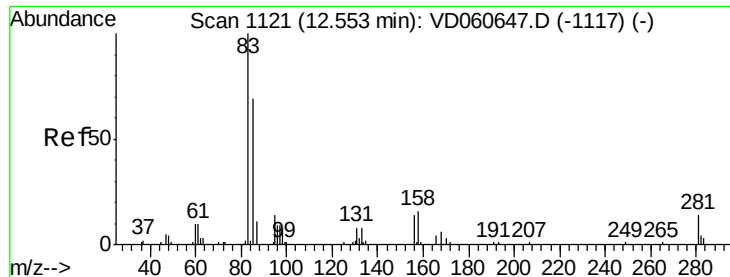
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 94.149 ug/l

RT: 12.57 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC100

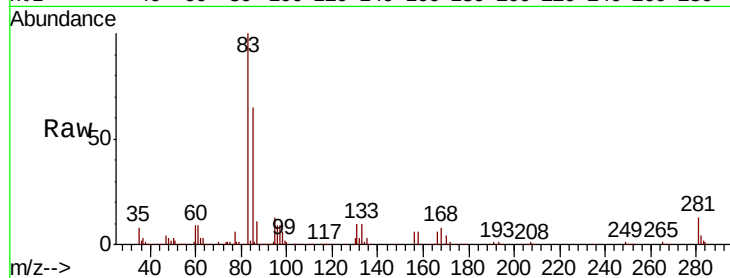
Tgt Ion: 83 Resp: 1072581

Ion Ratio Lower Upper

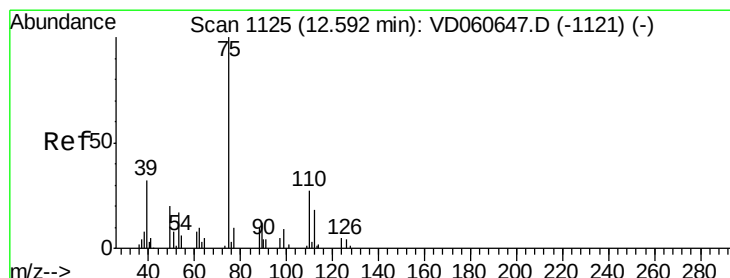
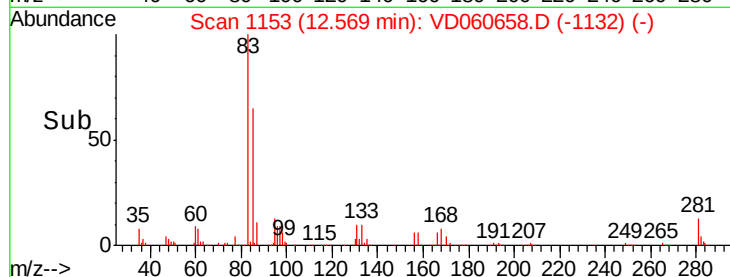
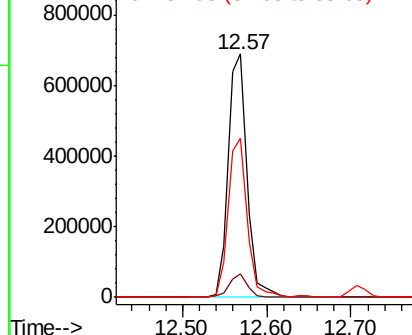
83 100

131 9.5 4.2 12.4

85 65.4 32.6 97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 130.90 (130.60 to 131.60): VDC  
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 98.402 ug/l

RT: 12.60 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD060658.D

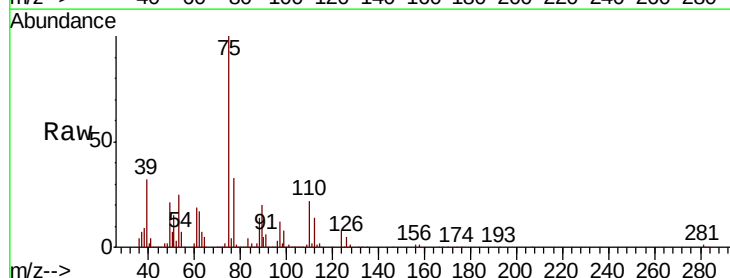
Acq: 20 Dec 2018 14:22

Tgt Ion: 75 Resp: 1088231

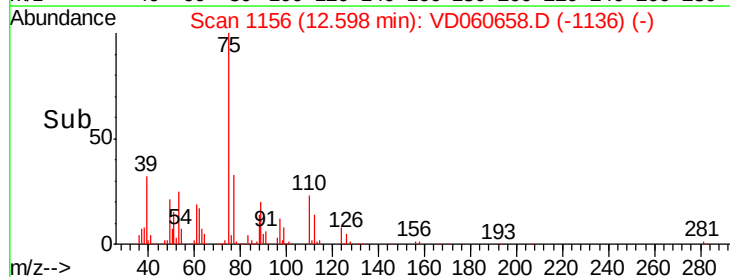
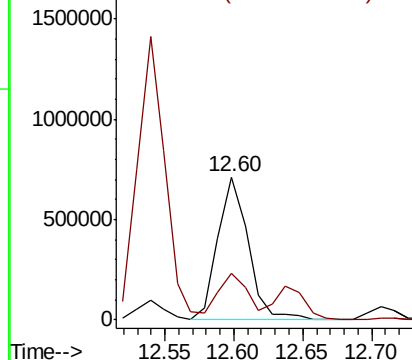
Ion Ratio Lower Upper

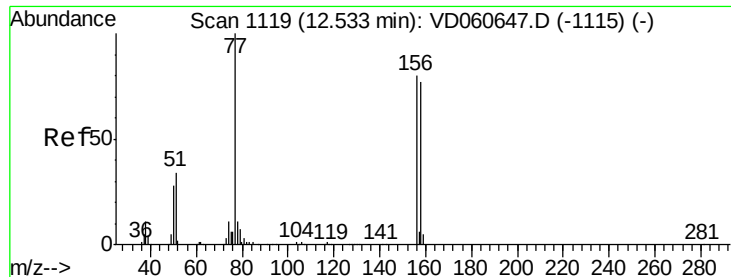
75 100

77 32.7 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 88.492 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

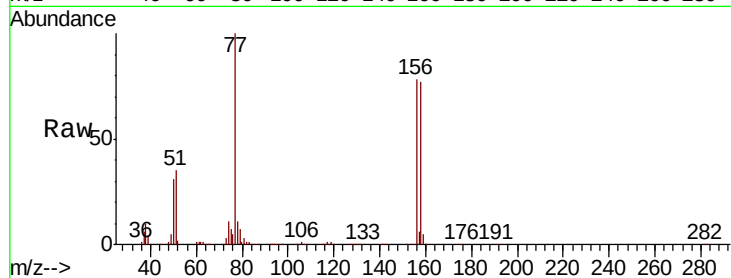
Tgt Ion:156 Resp: 1620701

Ion Ratio Lower Upper

156 100

77 128.5 61.3 183.9

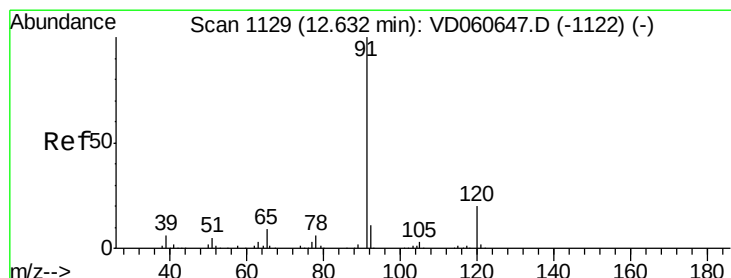
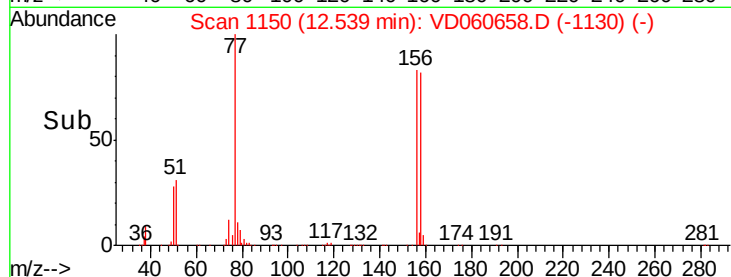
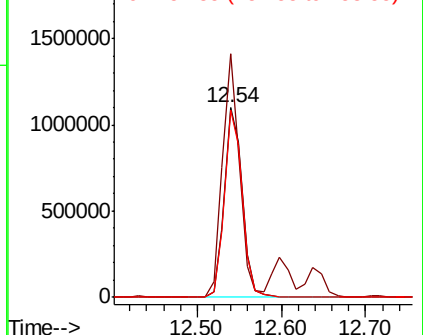
158 98.8 48.9 146.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 80.446 ug/l

RT: 12.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD060658.D

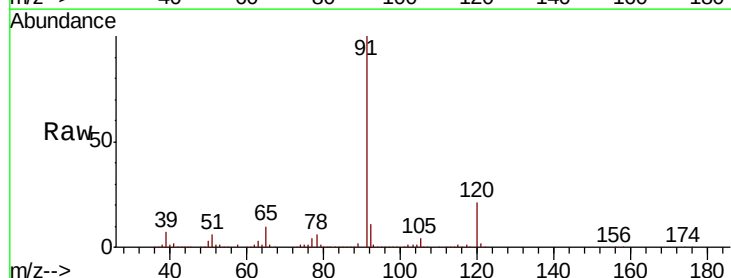
Acq: 20 Dec 2018 14:22

Tgt Ion: 91 Resp: 7044636

Ion Ratio Lower Upper

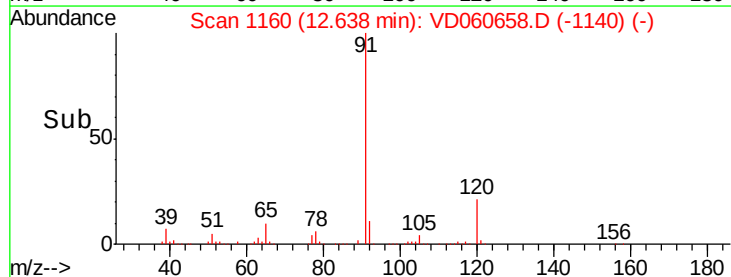
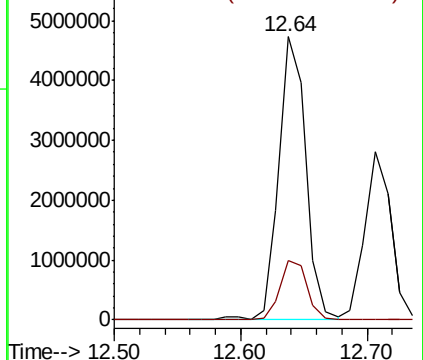
91 100

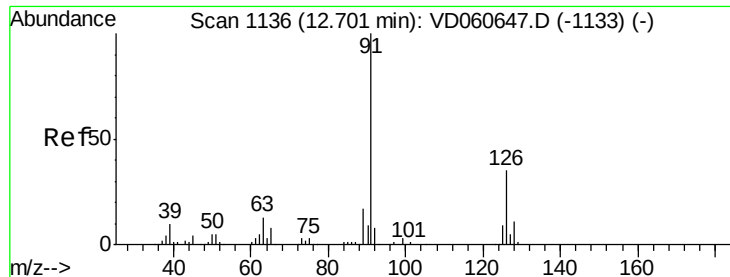
120 20.9 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

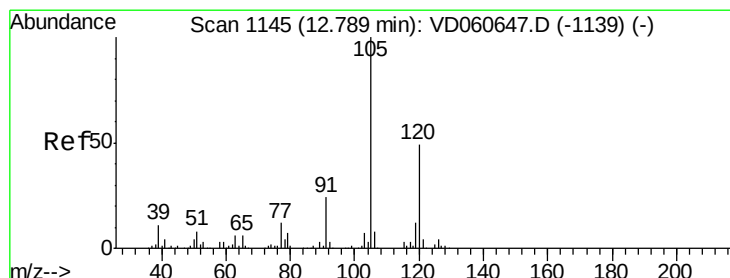
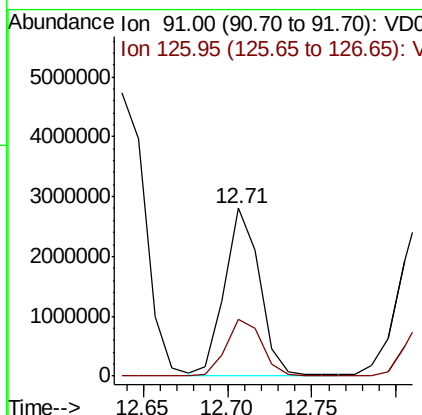
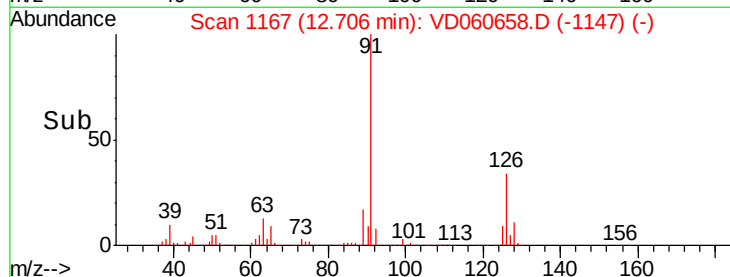
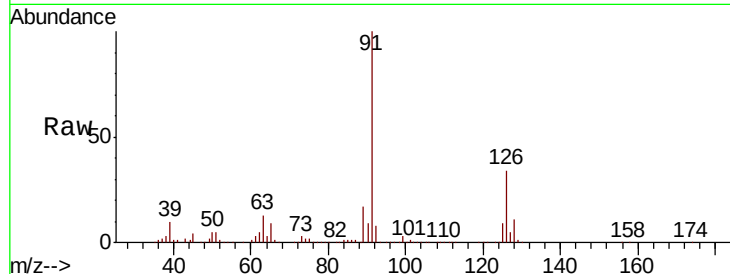




#79  
 2-Chlorotoluene  
 Concen: 84.572 ug/l  
 RT: 12.71 min Scan# 1167  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

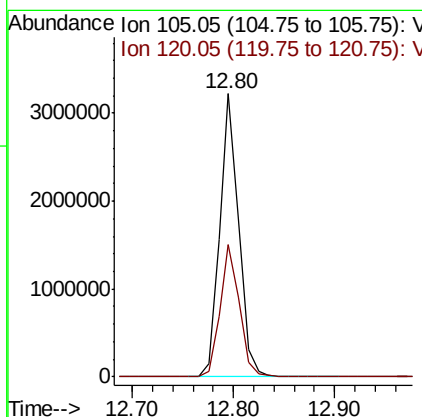
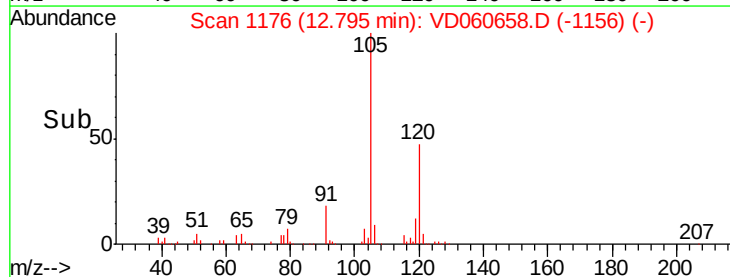
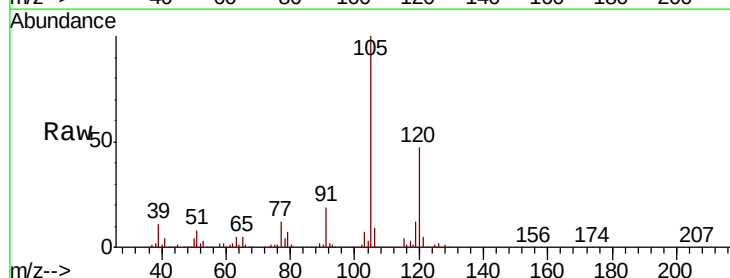
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

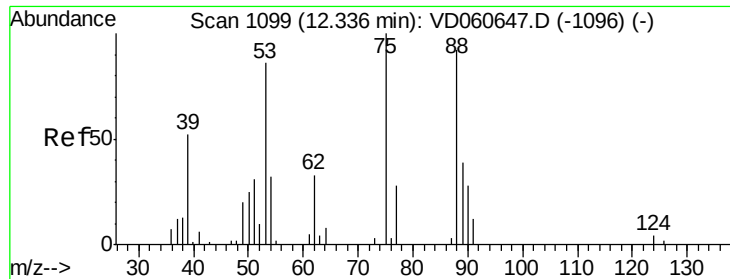
Tgt Ion: 91 Resp: 4015513  
 Ion Ratio Lower Upper  
 91 100  
 126 33.9 17.2 51.5



#80  
 1,3,5-Trimethylbenzene  
 Concen: 79.964 ug/l  
 RT: 12.80 min Scan# 1176  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion: 105 Resp: 4228965  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 103.444 ug/l

RT: 12.34 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

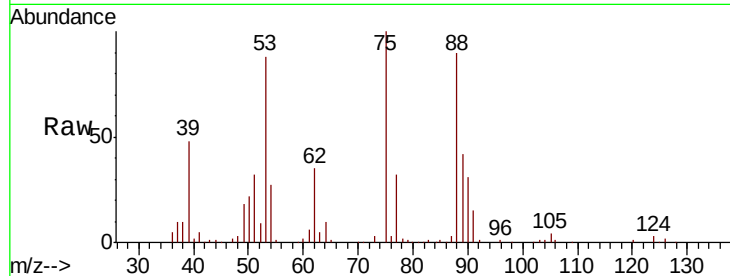
Tgt Ion: 75 Resp: 332264

Ion Ratio Lower Upper

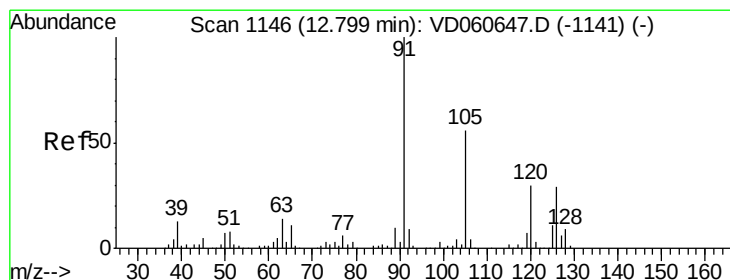
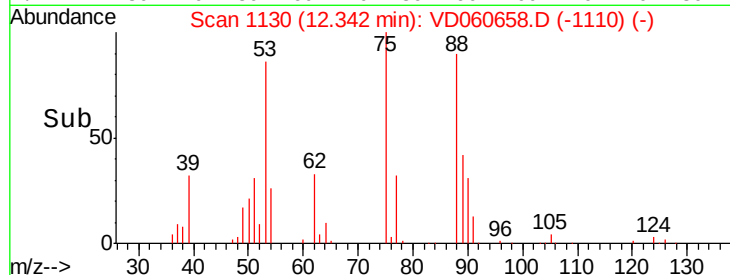
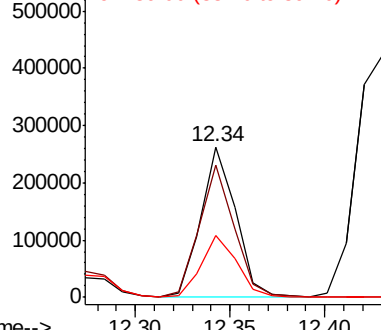
75 100

53 87.9 72.1 108.1

89 41.5 35.1 52.7



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 80.782 ug/l

RT: 12.81 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VD060658.D

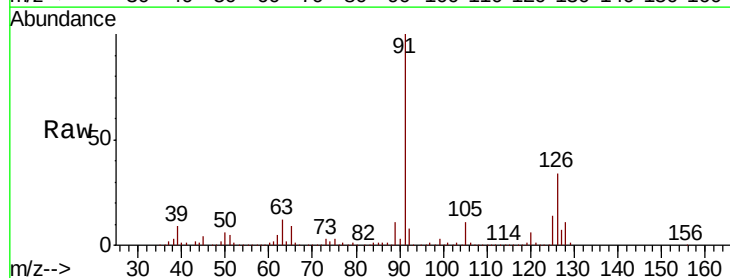
Acq: 20 Dec 2018 14:22

Tgt Ion: 91 Resp: 4205980

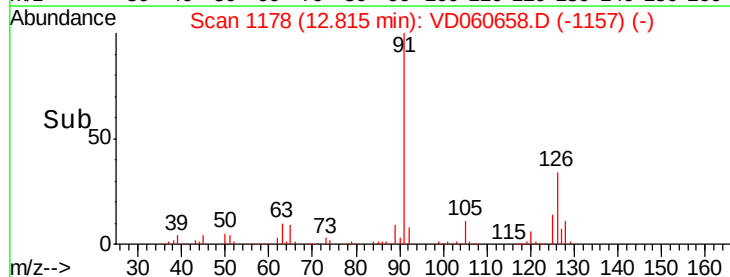
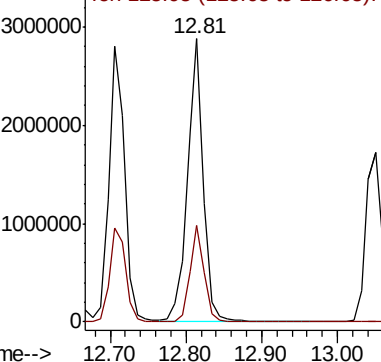
Ion Ratio Lower Upper

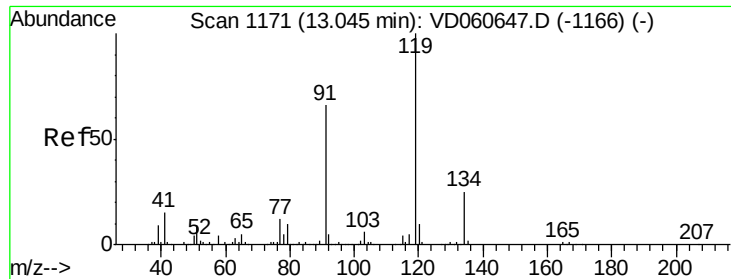
91 100

126 34.0 14.6 43.8



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 125.95 (125.65 to 126.65): V

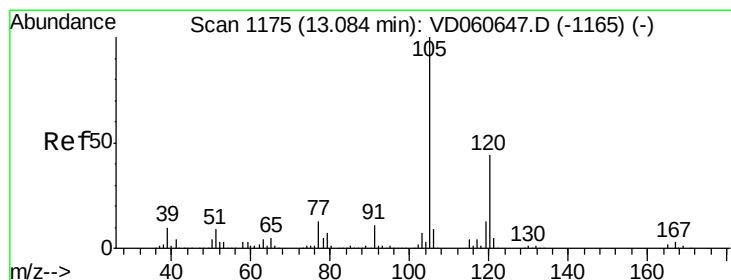
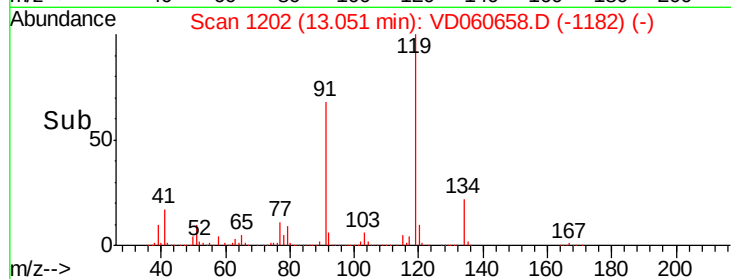
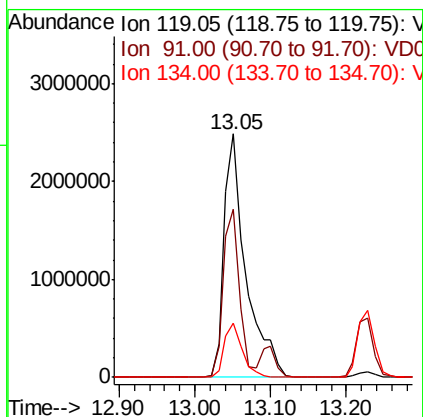
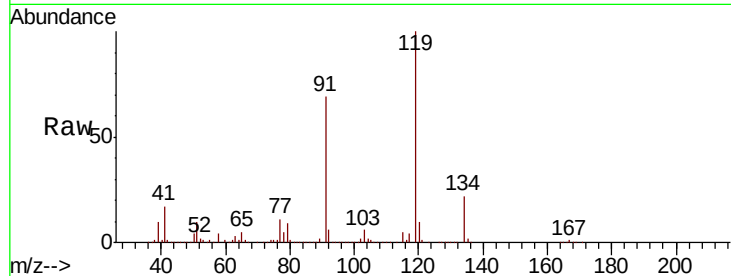




#83  
 tert-Butylbenzene  
 Concen: 83.165 ug/l  
 RT: 13.05 min Scan# 1202  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

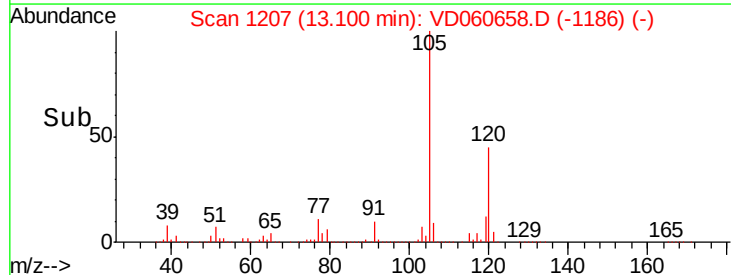
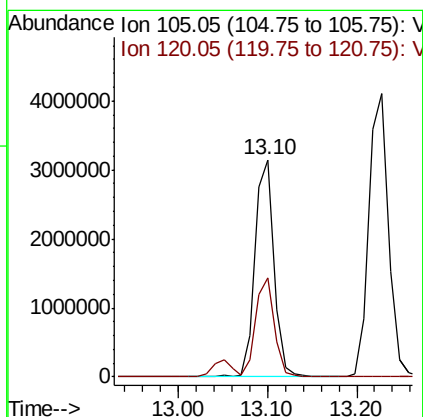
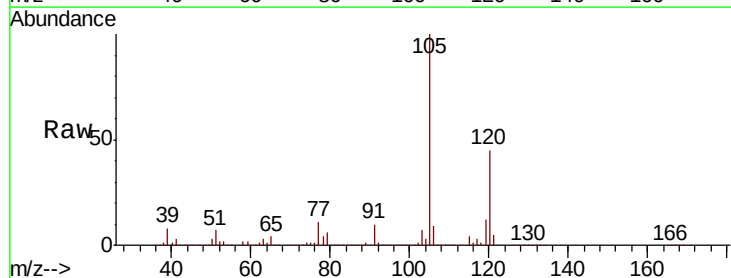
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

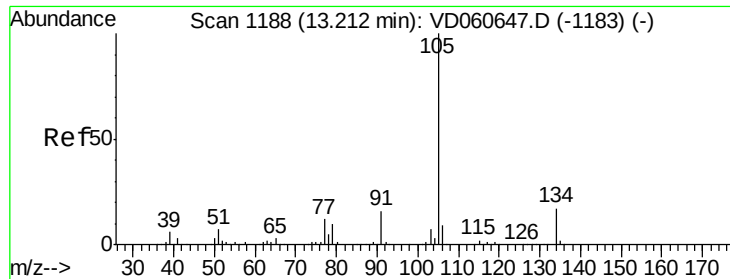
Tgt Ion:119 Resp: 5012877  
 Ion Ratio Lower Upper  
 119 100  
 91 69.3 32.5 97.4  
 134 22.5 11.9 35.9



#84  
 1,2,4-Trimethylbenzene  
 Concen: 83.310 ug/l  
 RT: 13.10 min Scan# 1207  
 Delta R.T. 0.01 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion:105 Resp: 4577200  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 22.4 67.0

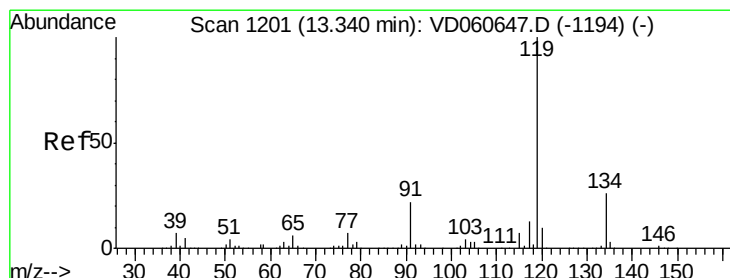
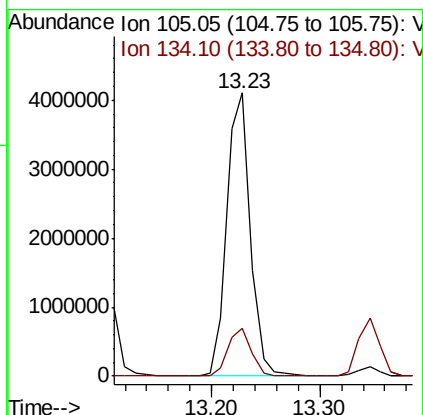
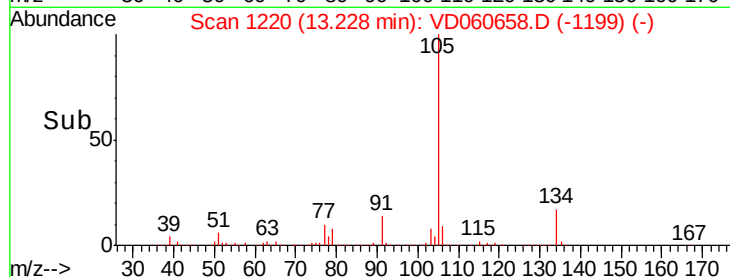
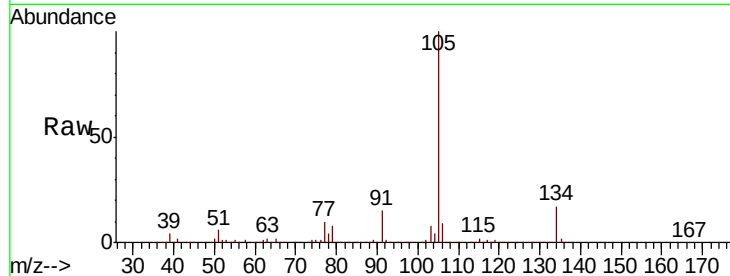




#85  
 sec-Butylbenzene  
 Concen: 82.253 ug/l  
 RT: 13.23 min Scan# 1220  
 Delta R.T. 0.01 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

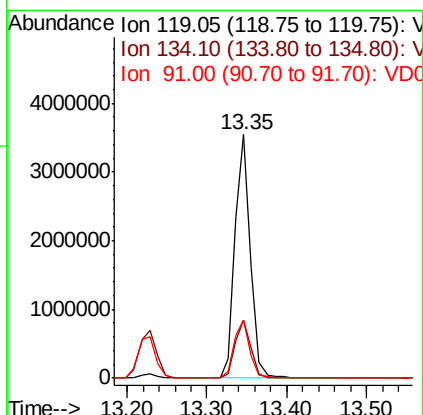
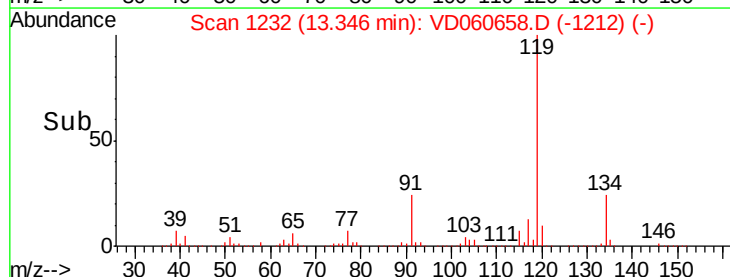
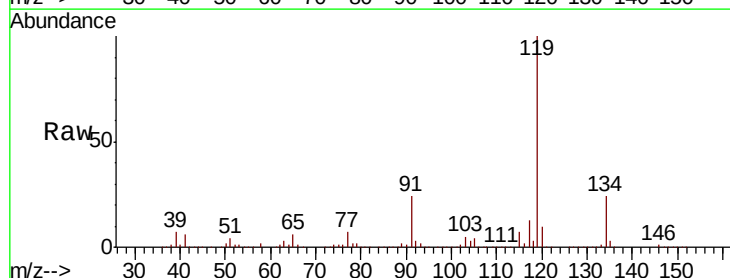
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tgt Ion:105 Resp: 6171875  
 Ion Ratio Lower Upper  
 105 100  
 134 16.8 8.2 24.4

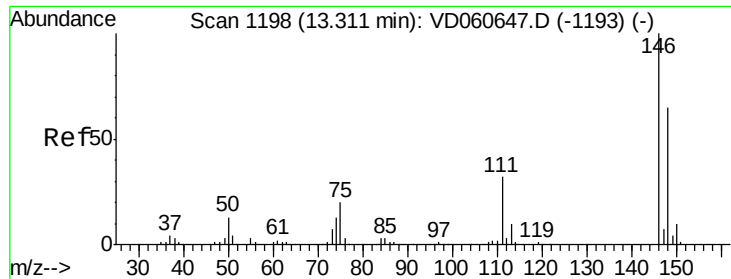


#86  
 p-Isopropyltoluene  
 Concen: 81.867 ug/l  
 RT: 13.35 min Scan# 1232  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion:119 Resp: 4802589  
 Ion Ratio Lower Upper  
 119 100  
 134 23.8 12.5 37.5  
 91 23.7 11.4 34.2



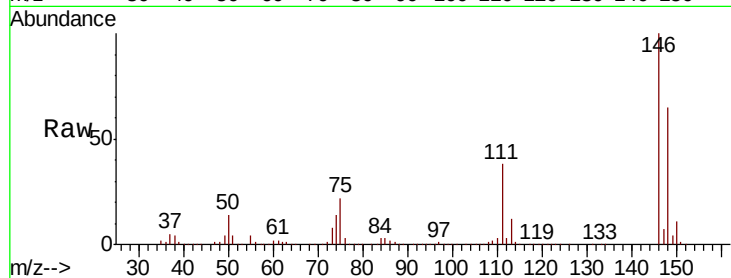




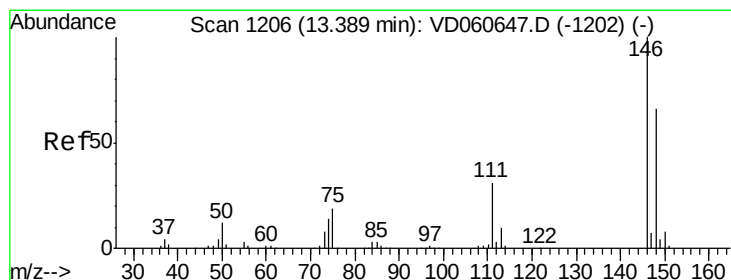
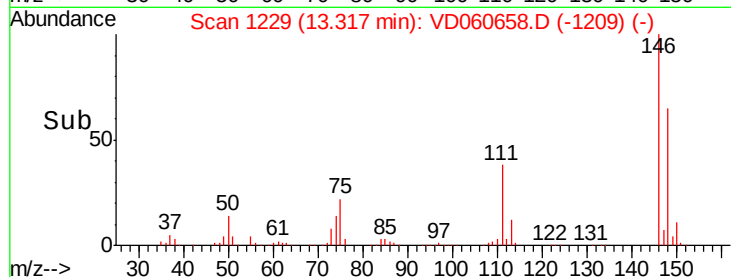
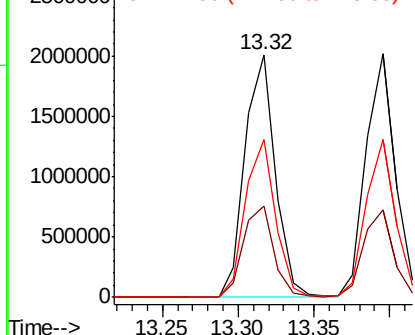
#87  
 1,3-Dichlorobenzene  
 Concen: 84.731 ug/l  
 RT: 13.32 min Scan# 1229  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tgt Ion:146 Resp: 2821135  
 Ion Ratio Lower Upper  
 146 100  
 111 37.5 16.6 49.8  
 148 65.1 32.6 97.8

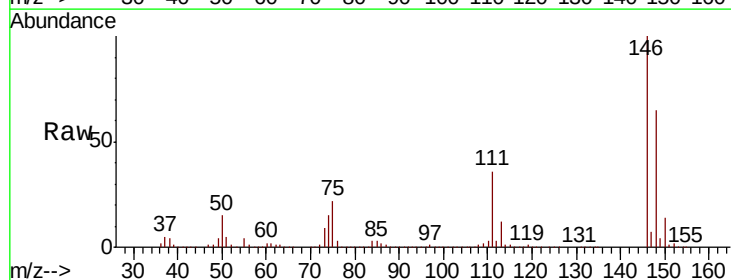


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

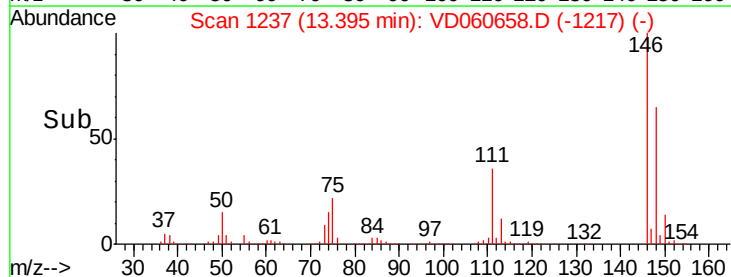
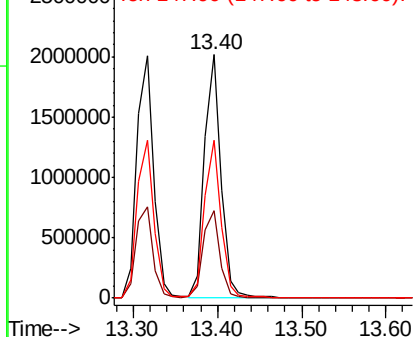


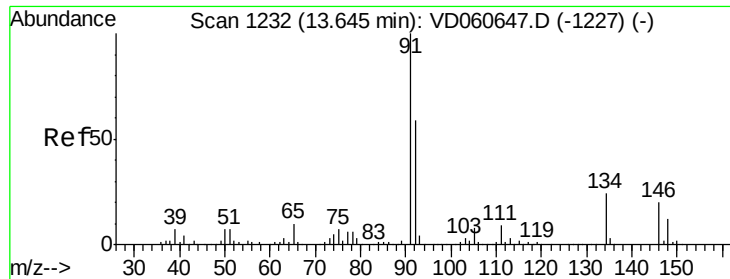
#88  
 1,4-Dichlorobenzene  
 Concen: 84.340 ug/l  
 RT: 13.40 min Scan# 1237  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion:146 Resp: 2771332  
 Ion Ratio Lower Upper  
 146 100  
 111 35.8 16.2 48.5  
 148 65.0 32.7 98.1



Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

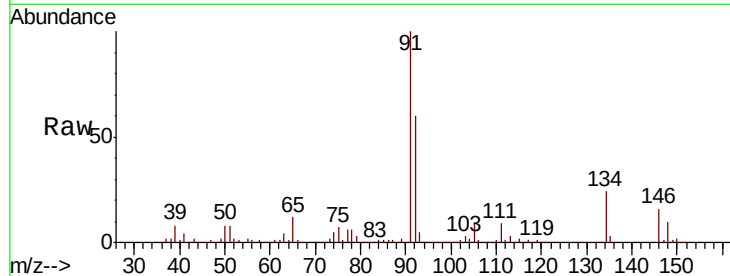




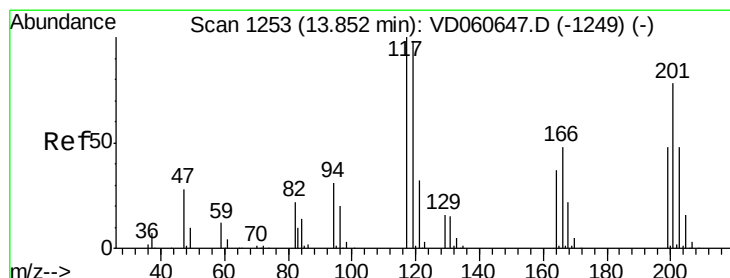
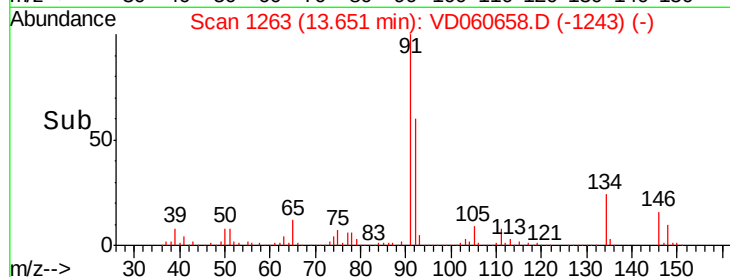
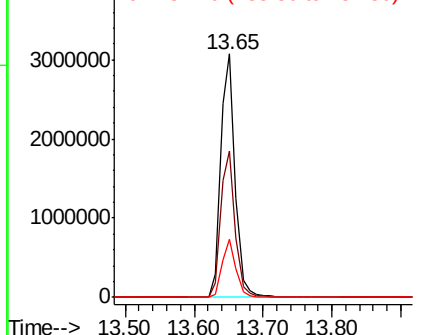
#89  
n-Butylbenzene  
Concen: 73.765 ug/l  
RT: 13.65 min Scan# 1263  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC100

Tgt Ion: 91 Resp: 4420850  
Ion Ratio Lower Upper  
91 100  
92 60.1 29.7 89.1  
134 23.7 12.7 38.1

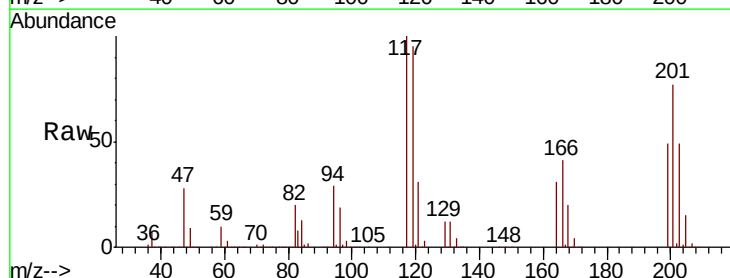


Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 92.00 (91.70 to 92.70): VDC  
Ion 134.10 (133.80 to 134.80): V

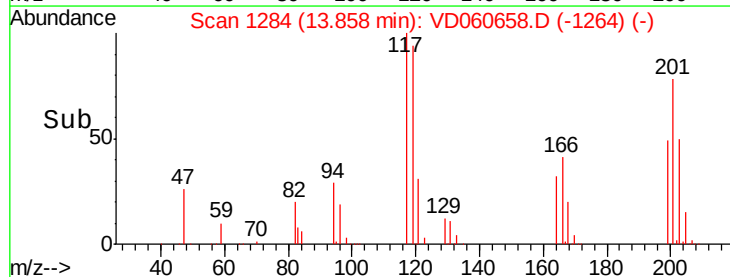
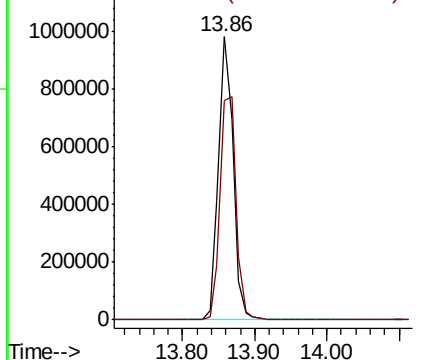


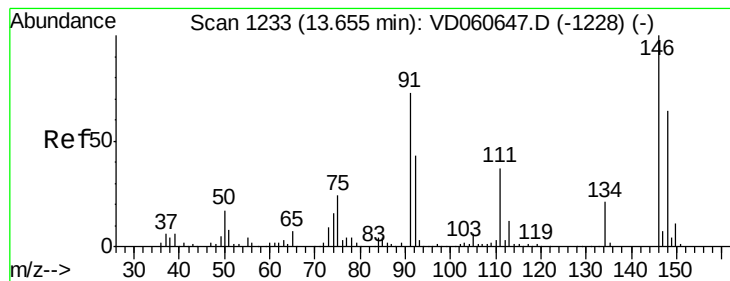
#90  
Hexachloroethane  
Concen: 90.952 ug/l  
RT: 13.86 min Scan# 1284  
Delta R.T. 0.00 min  
Lab File: VD060658.D  
Acq: 20 Dec 2018 14:22

Tgt Ion: 117 Resp: 1355902  
Ion Ratio Lower Upper  
117 100  
201 77.4 42.6 127.8



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 76.502 ug/l

RT: 13.66 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

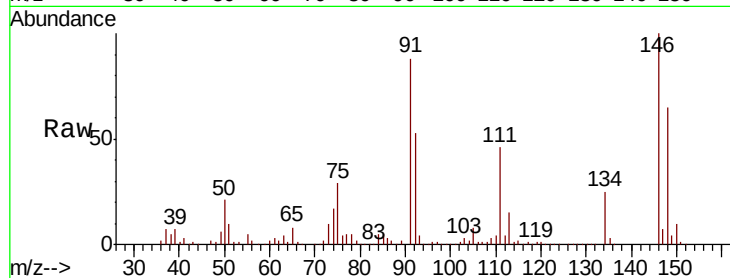
Tgt Ion:146 Resp: 2022602

Ion Ratio Lower Upper

146 100

111 45.6 19.3 57.9

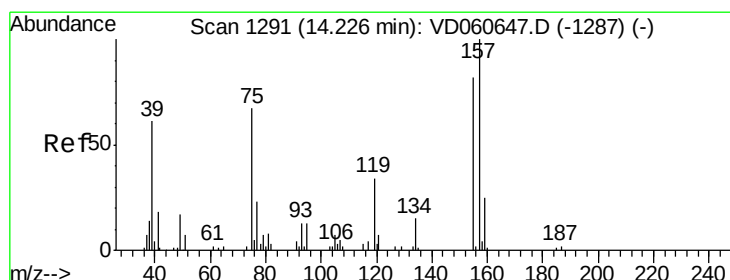
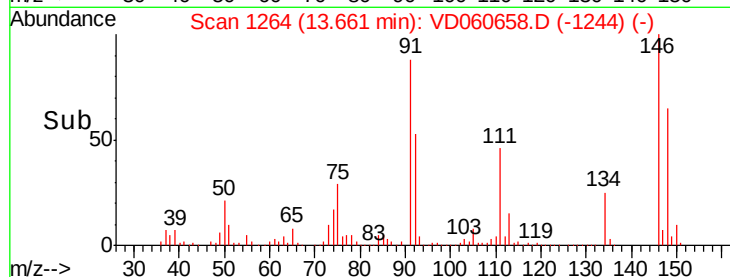
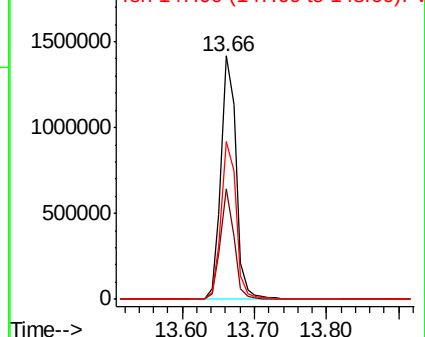
148 65.0 31.9 95.9



Abundance Ion 145.95 (145.65 to 146.65): 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: 103.703 ug/l

RT: 14.23 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

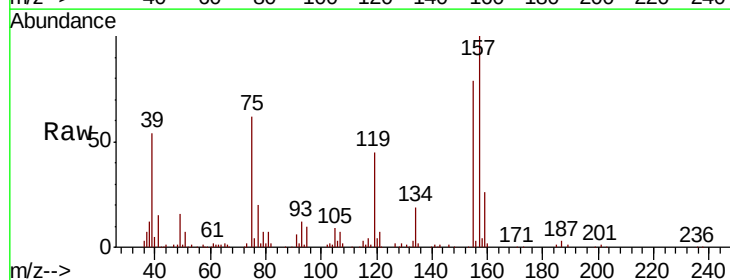
Tgt Ion: 75 Resp: 139579

Ion Ratio Lower Upper

75 100

155 128.4 41.1 123.4#

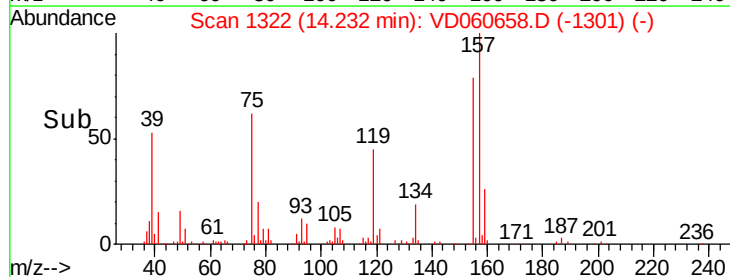
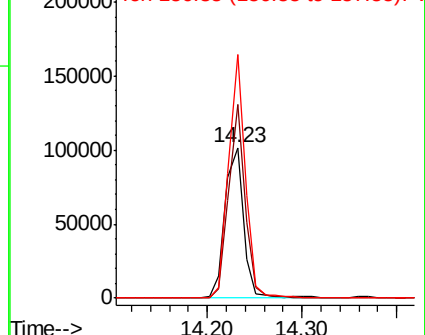
157 161.9 52.5 157.6#

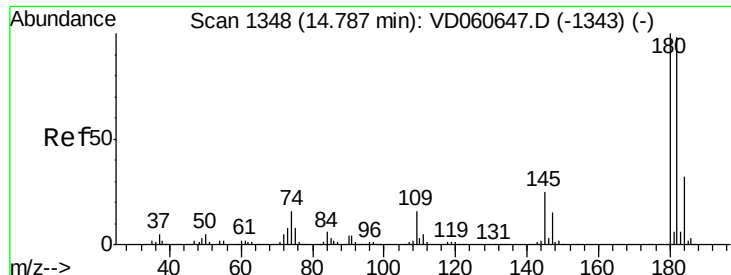


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

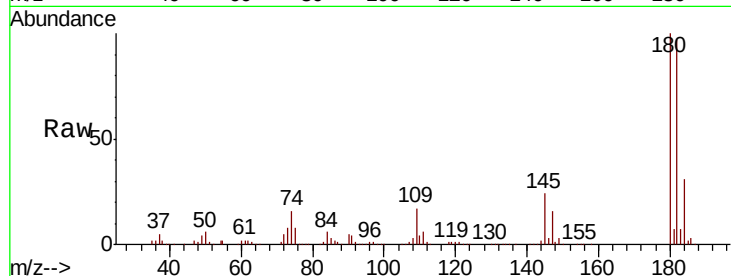




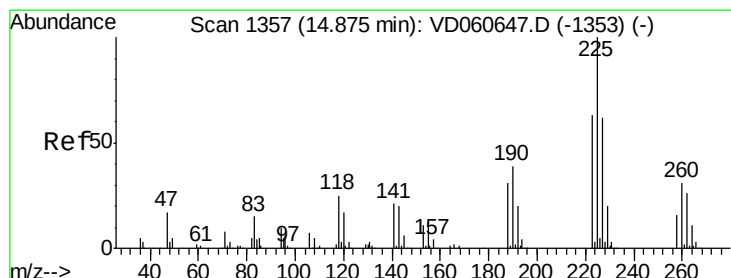
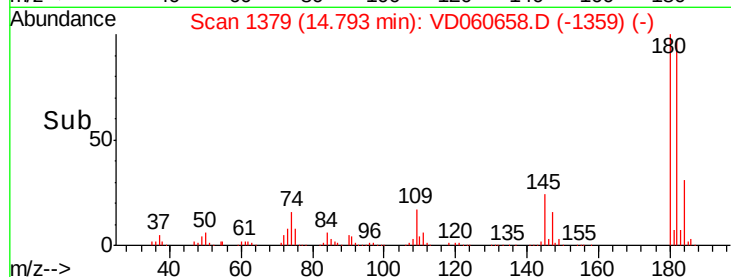
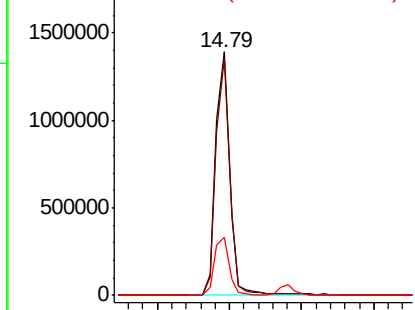
#93  
 1,2,4-Trichlorobenzene  
 Concen: 85.743 ug/l  
 RT: 14.79 min Scan# 1379  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC100

Tgt Ion:180 Resp: 1877684  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 48.8 146.4  
 145 24.0 11.8 35.3

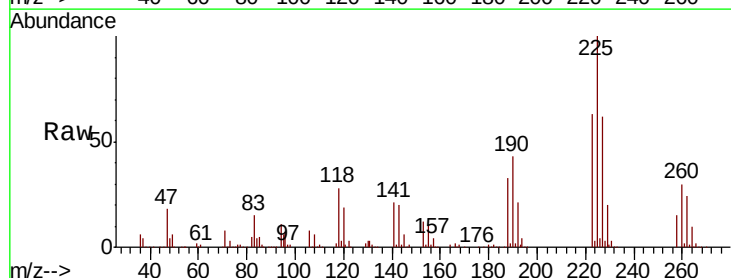


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

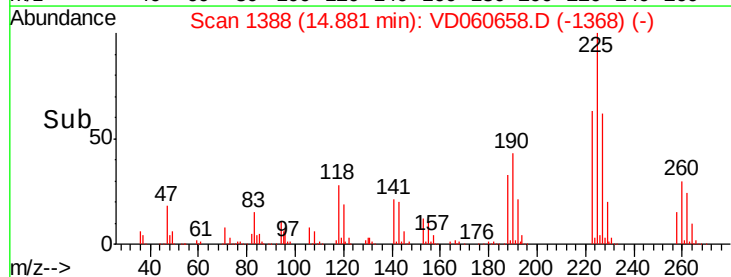
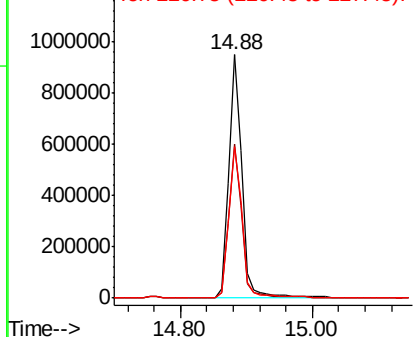


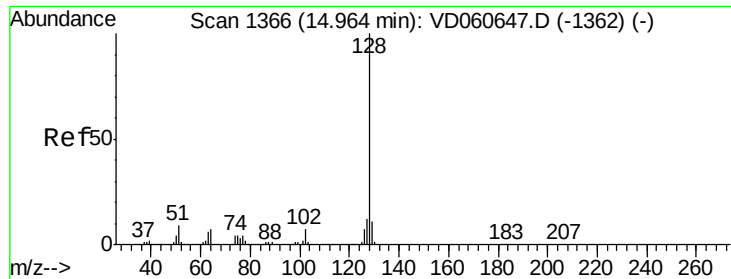
#94  
 Hexachlorobutadiene  
 Concen: 84.456 ug/l  
 RT: 14.88 min Scan# 1388  
 Delta R.T. 0.00 min  
 Lab File: VD060658.D  
 Acq: 20 Dec 2018 14:22

Tgt Ion:225 Resp: 1331276  
 Ion Ratio Lower Upper  
 225 100  
 223 63.3 31.3 93.8  
 227 62.4 32.5 97.4



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 96.929 ug/l

RT: 14.97 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC100

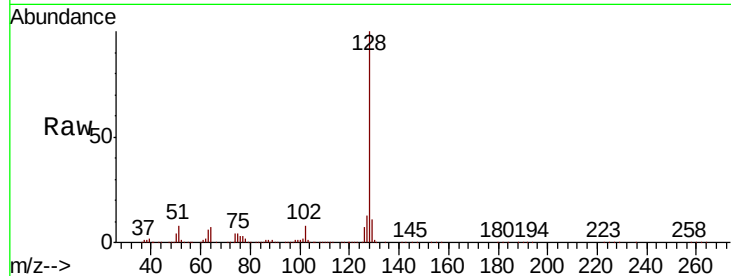
Tgt Ion:128 Resp: 2584096

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

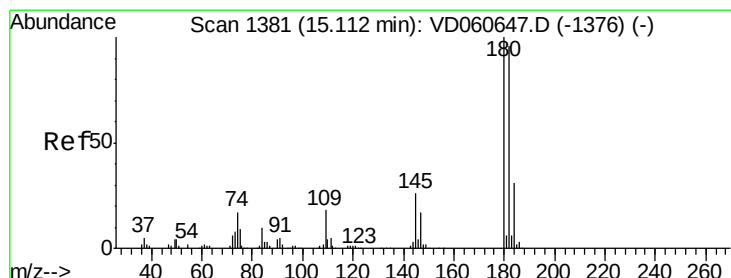
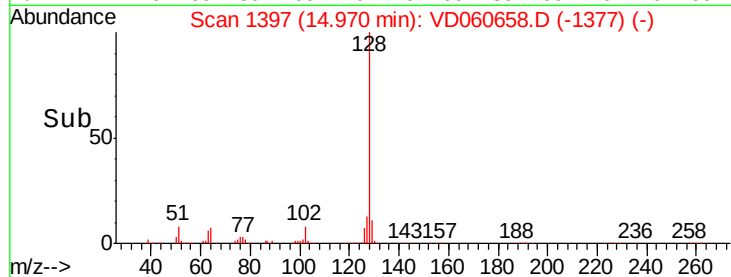
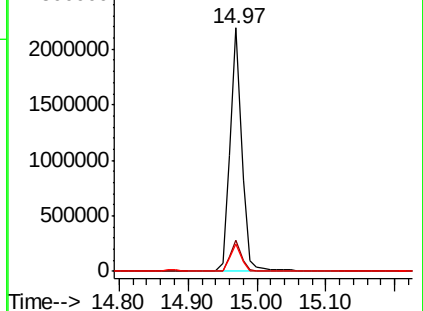
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 92.624 ug/l

RT: 15.12 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD060658.D

Acq: 20 Dec 2018 14:22

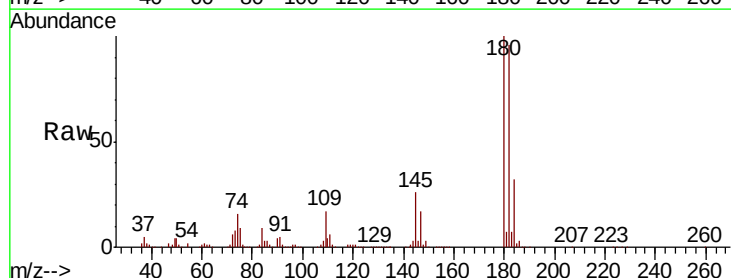
Tgt Ion:180 Resp: 1596292

Ion Ratio Lower Upper

180 100

182 96.0 48.6 145.9

145 26.0 12.6 37.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

