

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\  
 Data File : VD061800.D  
 Acq On : 15 Apr 2019 14:37  
 Operator : VA/AP  
 Sample : VSTDIC075  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 16 08:20:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 16 08:14:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.09  | 168  | 599782   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.26  | 114  | 947840   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.40 | 117  | 766911   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.53 | 152  | 339043   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 7.50   | 65  | 409080   | 80.93 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 161.86% |      |
| 35) Dibromofluoromethane  | 6.97   | 113 | 601814   | 84.04 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 168.08% |      |
| 50) Toluene-d8            | 10.45  | 98  | 1371661  | 80.84 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 161.68% |      |
| 62) 4-Bromofluorobenzene  | 13.58  | 95  | 568673   | 82.69 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 165.38% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85  | 484096  | 82.256  | ug/l | 98     |
| 3) Chloromethane              | 1.77 | 50  | 358989  | 76.546  | ug/l | 97     |
| 4) Vinyl Chloride             | 1.86 | 62  | 361110  | 77.573  | ug/l | 97     |
| 5) Bromomethane               | 2.17 | 94  | 73880   | 61.937  | ug/l | 98     |
| 6) Chloroethane               | 2.29 | 64  | 123290  | 77.630  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 2.55 | 101 | 571650  | 75.873  | ug/l | 99     |
| 8) Diethyl Ether              | 2.91 | 74  | 152318  | 76.982  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.18 | 101 | 502257  | 74.663  | ug/l | 99     |
| 10) Methyl Iodide             | 3.34 | 142 | 823477  | 90.779  | ug/l | 98     |
| 11) Tert butyl alcohol        | 4.10 | 59  | 112559  | 377.769 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 3.16 | 96  | 426576  | 75.387  | ug/l | 99     |
| 13) Acrolein                  | 3.07 | 56  | 88424   | 306.324 | ug/l | 92     |
| 14) Allyl chloride            | 3.66 | 41  | 608853  | 78.925  | ug/l | 99     |
| 15) Acrylonitrile             | 4.24 | 53  | 342500  | 366.143 | ug/l | 96     |
| 16) Acetone                   | 3.25 | 43  | 487886  | 391.735 | ug/l | 100    |
| 17) Carbon Disulfide          | 3.41 | 76  | 1368990 | 74.858  | ug/l | 99     |
| 18) Methyl Acetate            | 3.68 | 43  | 177763  | 71.173  | ug/l | 97     |
| 19) Methyl tert-butyl Ether   | 4.28 | 73  | 820570  | 77.894  | ug/l | 98     |
| 20) Methylene Chloride        | 3.85 | 84  | 451686  | 60.101  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene  | 4.27 | 96  | 487751  | 78.486  | ug/l | 99     |
| 22) Diisopropyl ether         | 5.17 | 45  | 1224976 | 74.413  | ug/l | 98     |
| 23) Vinyl Acetate             | 5.11 | 43  | 3485481 | 396.692 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.03 | 63  | 766672  | 76.733  | ug/l | 100    |
| 25) 2-Butanone                | 6.12 | 43  | 557804  | 393.340 | ug/l | 98     |
| 26) 2,2-Dichloropropane       | 6.07 | 77  | 646844  | 74.823  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.09 | 96  | 504940  | 74.864  | ug/l | 99     |
| 28) Bromochloromethane        | 6.48 | 49  | 274830  | 72.343  | ug/l | 84     |
| 29) Tetrahydrofuran           | 6.50 | 42  | 246317  | 356.556 | ug/l | 98     |
| 30) Chloroform                | 6.71 | 83  | 811953  | 72.801  | ug/l | 98     |
| 31) Cyclohexane               | 7.00 | 56  | 584271  | 76.329  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane     | 6.92 | 97  | 764570  | 77.336  | ug/l | 96     |
| 36) 1,1-Dichloropropene       | 7.20 | 75  | 590199  | 76.185  | ug/l | 100    |
| 37) Ethyl Acetate             | 6.23 | 43  | 267166  | 80.594  | ug/l | 95     |
| 38) Carbon Tetrachloride      | 7.16 | 117 | 768871  | 76.250  | ug/l | 96     |

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 Sample : VSTDIC075  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 16 08:20:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 16 08:14:32 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.91  | 83   | 638348   | 79.366   | ug/l   | 97       |
| 40) Benzene                    | 7.51  | 78   | 1482203  | 79.699   | ug/l   | 96       |
| 41) Methacrylonitrile          | 6.49  | 41   | 294253   | 75.100   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 7.62  | 62   | 496846   | 76.719   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 9.28  | 43   | 372713   | 79.897   | ug/l # | 100      |
| 44) Trichloroethene            | 8.58  | 130  | 574372   | 80.238   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.98  | 63   | 388384   | 80.186   | ug/l   | 95       |
| 46) Dibromomethane             | 9.10  | 93   | 275089   | 79.708   | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.42  | 83   | 645140   | 81.027   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.16  | 41   | 214149   | 78.096   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.12  | 88   | 48440    | 1616.197 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 10.34 | 43   | 1075328  | 376.941  | ug/l   | 100      |
| 52) Toluene                    | 10.55 | 92   | 968387   | 81.266   | ug/l   | 95       |
| 53) t-1,3-Dichloropropene      | 10.95 | 75   | 579118   | 80.721   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 635027   | 75.406   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 11.23 | 97   | 298704   | 74.391   | ug/l   | 98       |
| 56) Ethyl methacrylate         | 11.08 | 69   | 364716   | 82.759   | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 11.44 | 76   | 502517   | 83.246   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.90  | 63   | 677994   | 323.448  | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.56 | 43   | 810564   | 382.553  | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.72 | 129  | 541180   | 82.371   | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.84 | 107  | 396694   | 80.347   | ug/l   | 99       |
| 64) Tetrachloroethene          | 11.30 | 164  | 463276   | 80.549   | ug/l   | 99       |
| 65) Chlorobenzene              | 12.43 | 112  | 1085861  | 76.027   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.54 | 131  | 461561   | 77.115   | ug/l   | 97       |
| 67) Ethyl Benzene              | 12.55 | 91   | 1674228  | 73.198   | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.69 | 106  | 1345863  | 156.649  | ug/l   | 98       |
| 69) o-Xylene                   | 13.08 | 106  | 631839   | 78.242   | ug/l   | 96       |
| 70) Styrene                    | 13.10 | 104  | 1064024  | 76.567   | ug/l   | 98       |
| 71) Bromoform                  | 13.25 | 173  | 278319   | 78.339   | ug/l   | 99       |
| 73) Isopropylbenzene           | 13.43 | 105  | 1715856  | 78.036   | ug/l   | 95       |
| 74) N-amyl acetate             | 13.28 | 43   | 483474   | 81.769   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.72 | 83   | 349721   | 80.464   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 13.76 | 75   | 365976   | 82.195   | ug/l   | 97       |
| 77) Bromobenzene               | 13.70 | 156  | 531029   | 85.019   | ug/l   | 96       |
| 78) n-propylbenzene            | 13.80 | 91   | 2107561  | 82.962   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 13.86 | 91   | 1234338  | 83.668   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 13.95 | 105  | 1413995  | 81.047   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 13.49 | 75   | 116516   | 91.862   | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 13.97 | 91   | 1367899  | 80.529   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 14.21 | 119  | 1523128  | 74.351   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 14.26 | 105  | 1337501  | 76.266   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 14.39 | 105  | 1585661  | 74.875   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 14.51 | 119  | 1403285  | 70.821   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.48 | 146  | 822216   | 75.405   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 14.55 | 146  | 784255   | 72.759   | ug/l   | 99       |
| 89) n-Butylbenzene             | 14.82 | 91   | 1412320  | 80.522   | ug/l   | 99       |
| 90) Hexachloroethane           | 15.03 | 117  | 462646   | 85.665   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 14.83 | 146  | 725393   | 79.420   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.40 | 75   | 49253    | 81.840   | ug/l   | 84       |

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Acq On : 15 Apr 2019 14:37  
Operator : VA/AP  
Sample : VSTDICC075  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

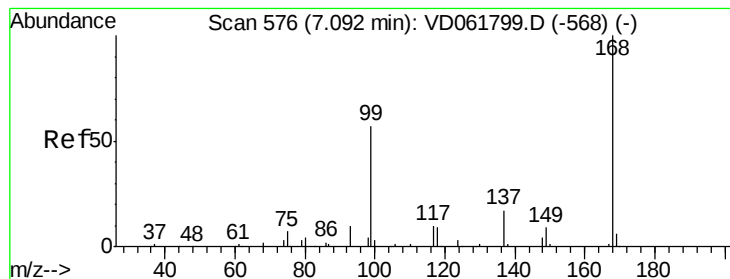
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Apr 16 08:20:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D041519S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 16 08:14:32 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.96 | 180  | 406864   | 81.105 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 16.06 | 225  | 288924   | 79.475 | ug/l  | 99       |
| 95) Naphthalene            | 16.14 | 128  | 665200   | 86.513 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 16.29 | 180  | 211955   | 74.143 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 576

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

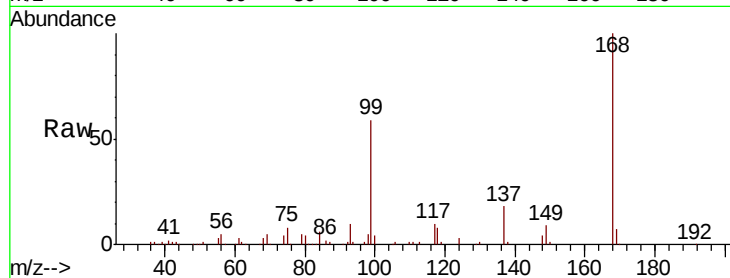
ClientSampled :

Tot Ion:168 Resp: 599782

Ion Ratio Lower Upper

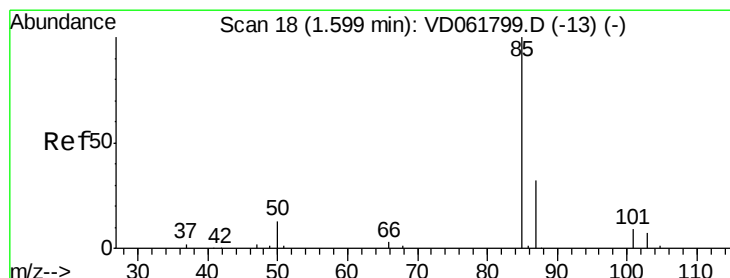
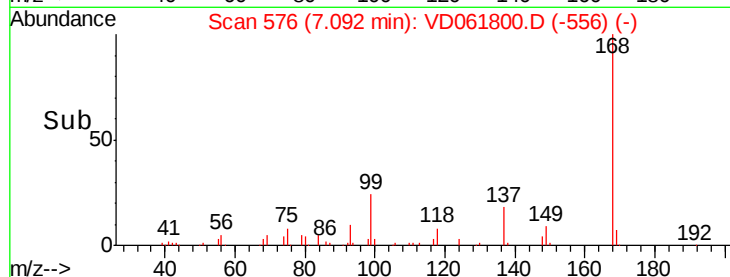
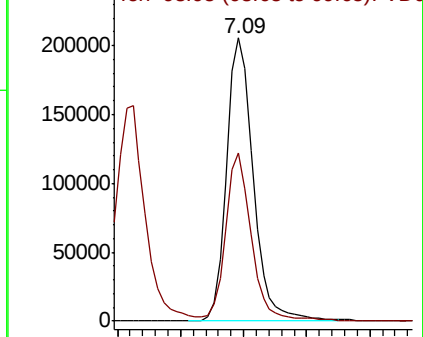
168 100

99 59.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 82.256 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061800.D

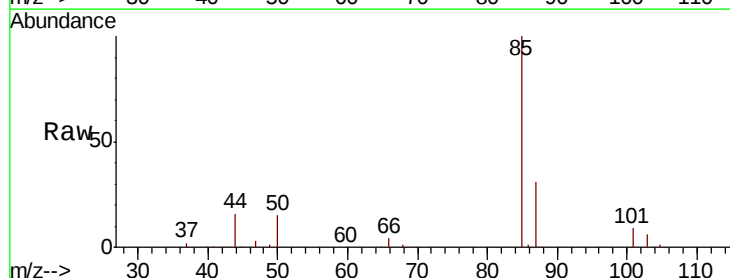
Acq: 15 Apr 2019 14:37

Tgt Ion: 85 Resp: 484096

Ion Ratio Lower Upper

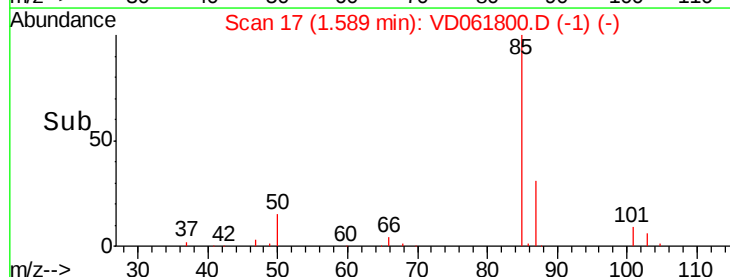
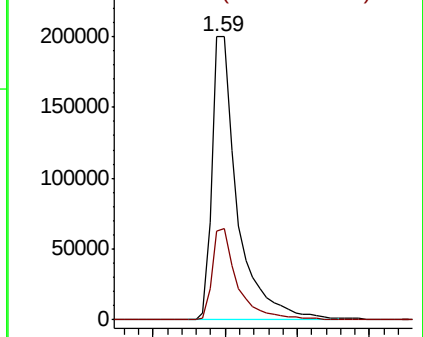
85 100

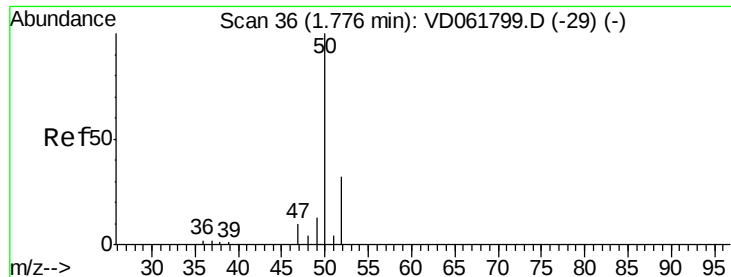
87 31.4 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 76.546 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

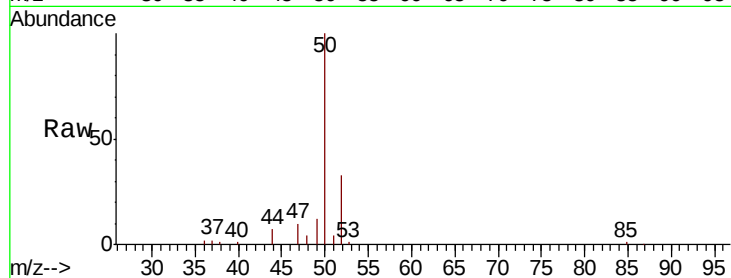
ClientSampleId :

Tot Ion: 50 Resp: 358989

Ion Ratio Lower Upper

50 100

52 33.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

120000

100000

80000

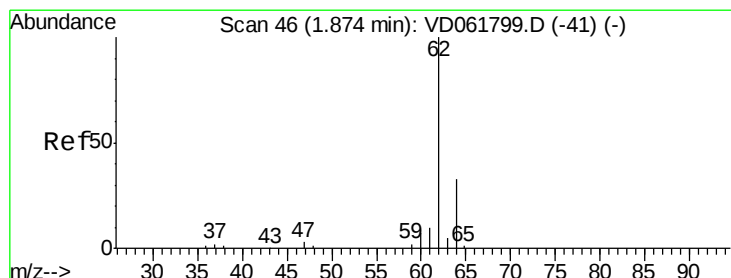
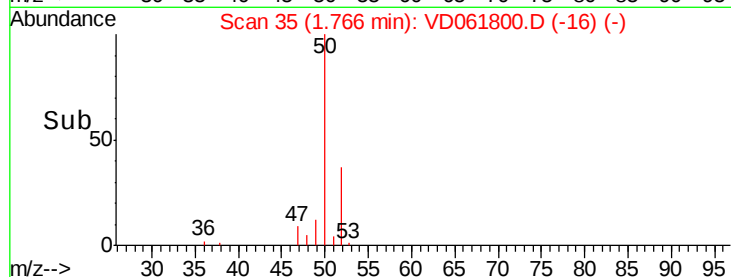
60000

40000

20000

0

Time--> 1.60 1.70 1.80 1.90 2.00



#4

Vinyl Chloride

Concen: 77.573 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.01 min

Lab File: VD061800.D

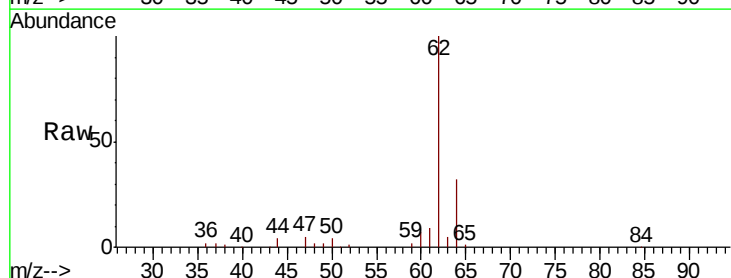
Acq: 15 Apr 2019 14:37

Tgt Ion: 62 Resp: 361110

Ion Ratio Lower Upper

62 100

64 31.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

200000

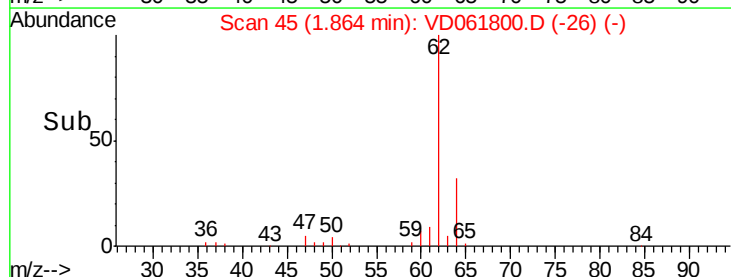
150000

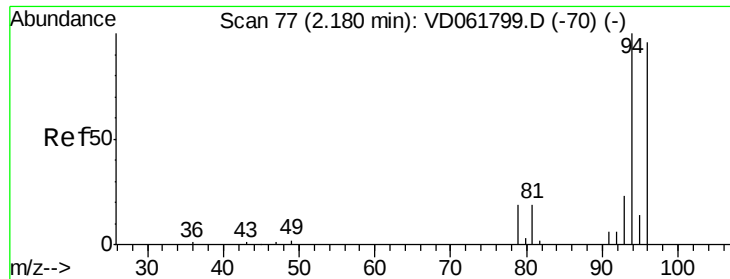
100000

50000

0

Time--> 1.80 1.90 2.00 2.10





#5

Bromomethane

Concen: 61.937 ug/l

RT: 2.17 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

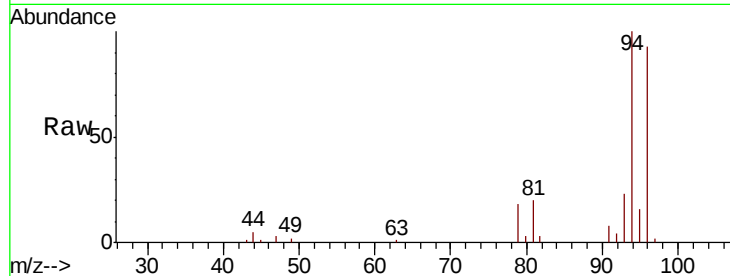
Tot Ion: 94 Resp: 73880

Ion Ratio Lower Upper

94 100

96 93.2 76.6 115.0

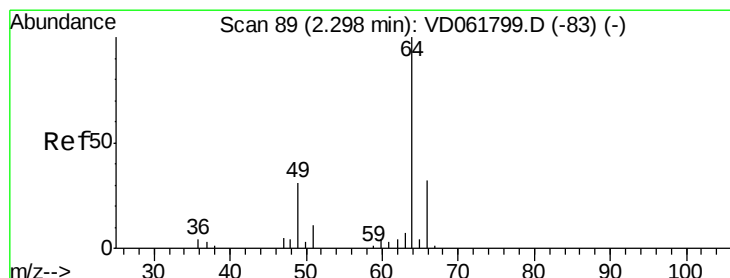
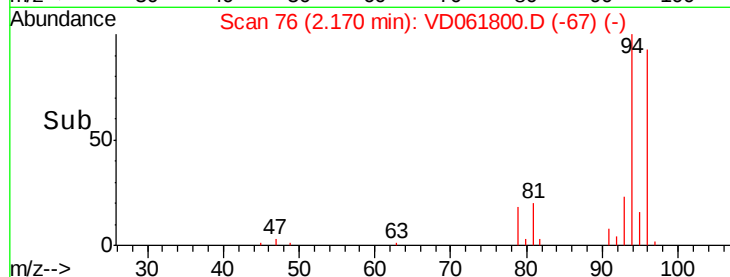
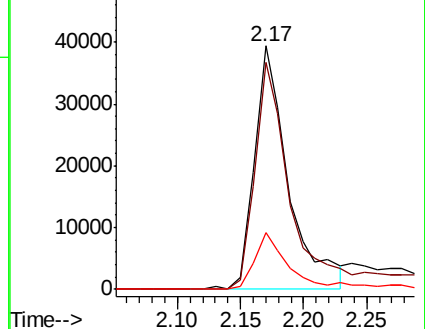
93 23.4 18.5 27.7



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 77.630 ug/l

RT: 2.29 min Scan# 88

Delta R.T. -0.01 min

Lab File: VD061800.D

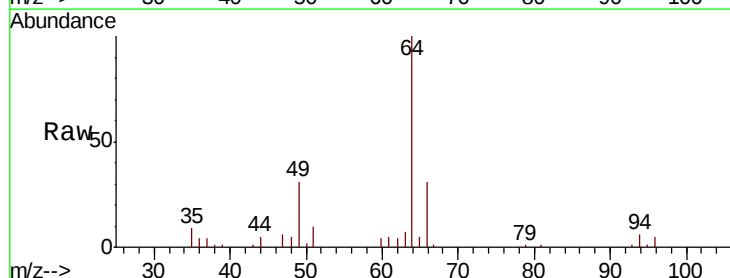
Acq: 15 Apr 2019 14:37

Tgt Ion: 64 Resp: 123290

Ion Ratio Lower Upper

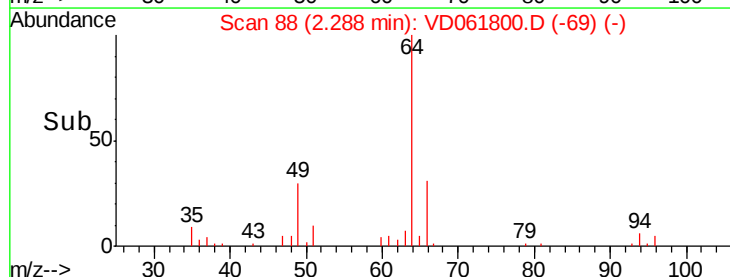
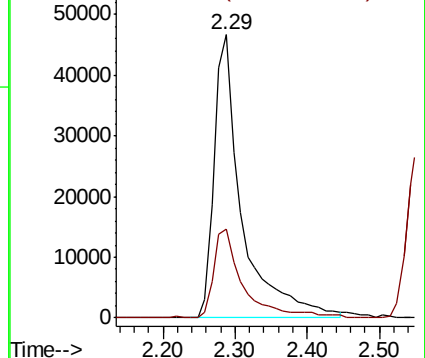
64 100

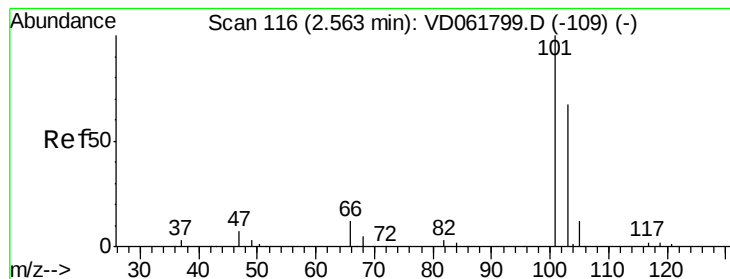
66 31.4 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



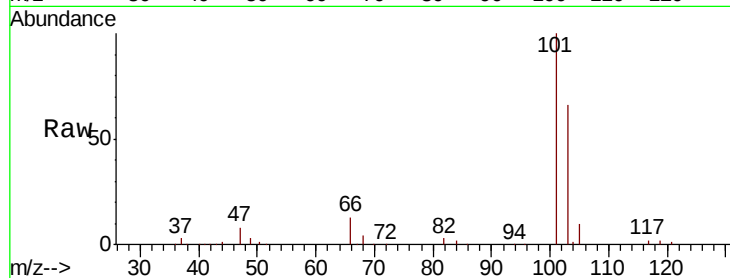


#7

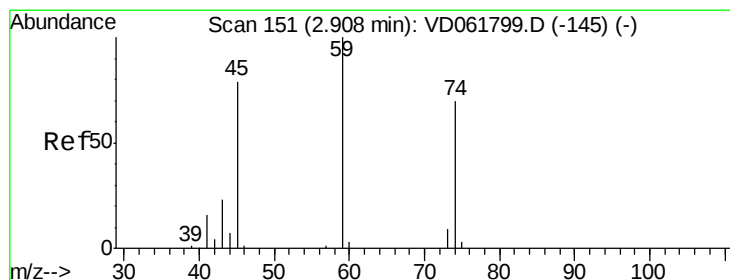
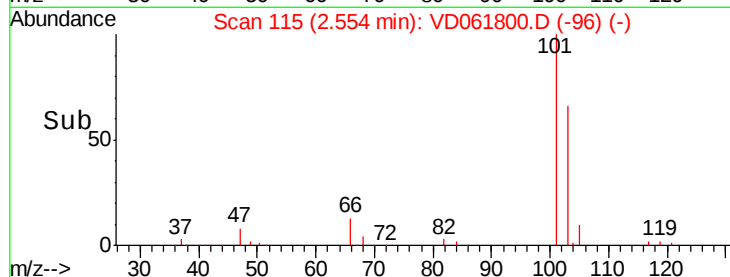
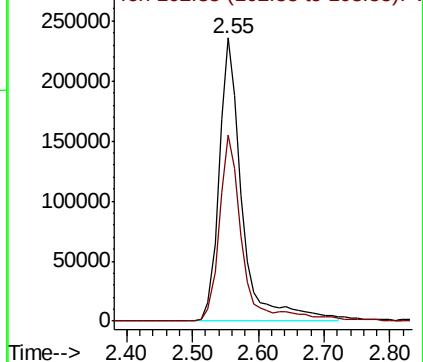
Trichlorofluoromethane  
 Concen: 75.873 ug/l  
 RT: 2.55 min Scan# 115  
 Delta R.T. -0.01 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:101 Resp: 571650  
 Ion Ratio Lower Upper  
 101 100  
 103 65.8 53.6 80.4



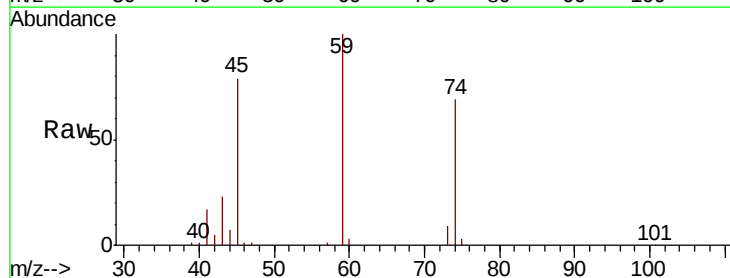
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



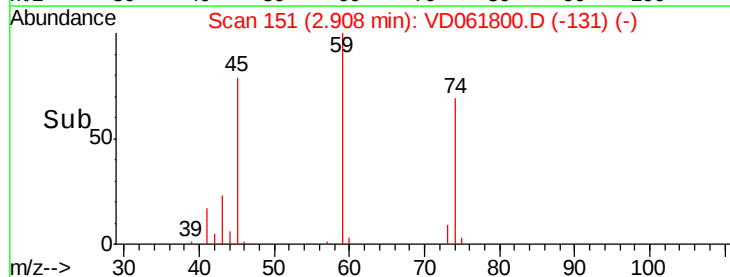
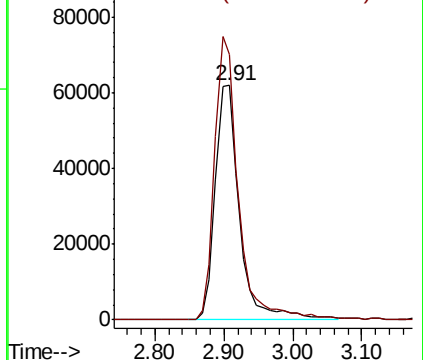
#8

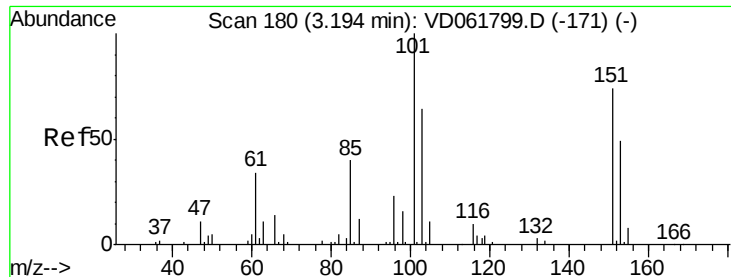
Diethyl Ether  
 Concen: 76.982 ug/l  
 RT: 2.91 min Scan# 151  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Tgt Ion: 74 Resp: 152318  
 Ion Ratio Lower Upper  
 74 100  
 45 113.5 56.9 170.7



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: 74.663 ug/l

RT: 3.18 min Scan# 179

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

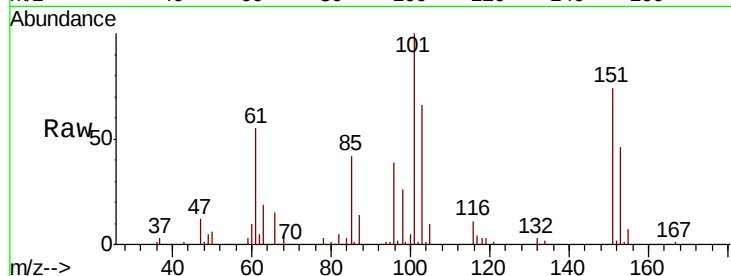
Tot Ion:101 Resp: 502257

Ion Ratio Lower Upper

101 100

85 41.6 32.4 48.6

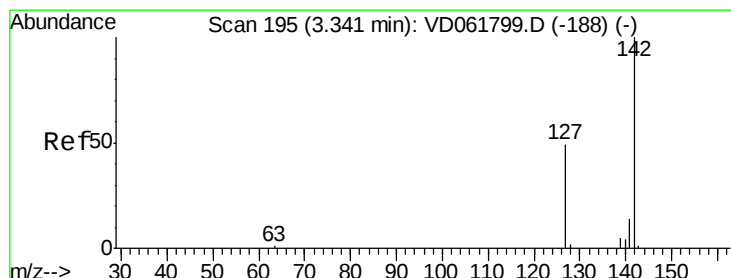
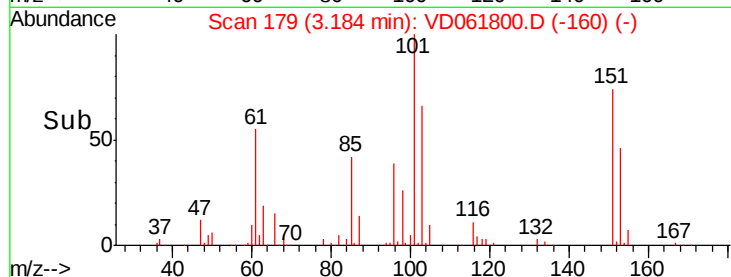
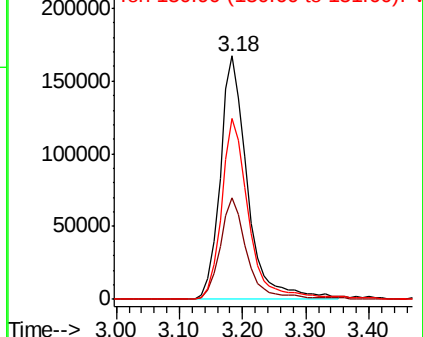
151 74.4 59.4 89.0



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: 90.779 ug/l

RT: 3.34 min Scan# 195

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

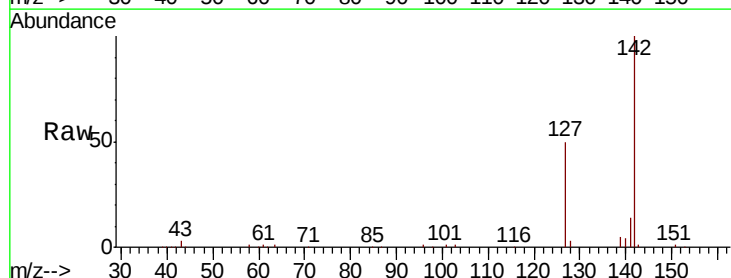
Tgt Ion:142 Resp: 823477

Ion Ratio Lower Upper

142 100

127 50.1 38.8 58.2

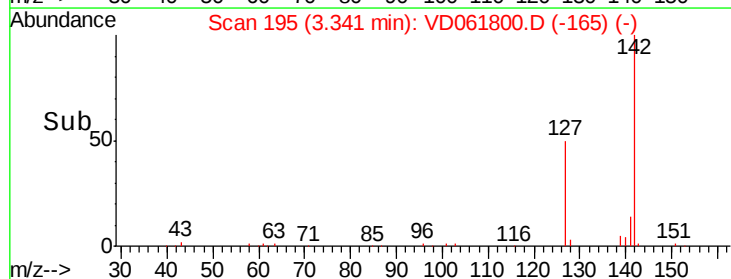
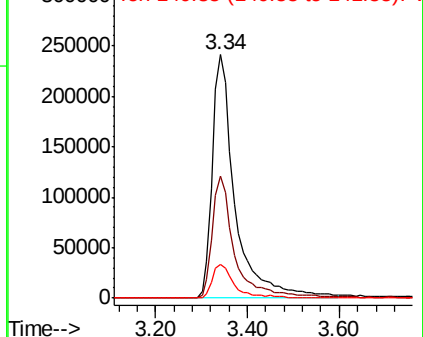
141 13.6 11.4 17.0

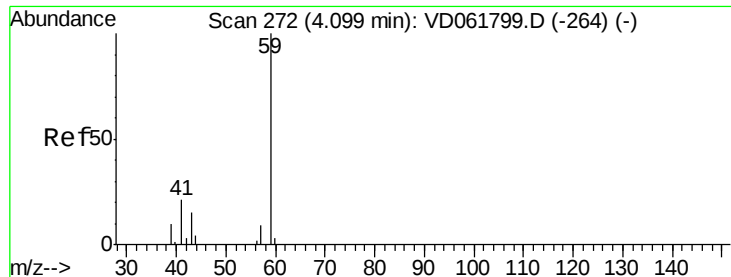


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



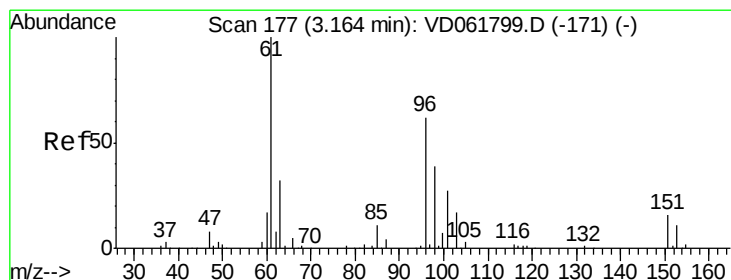
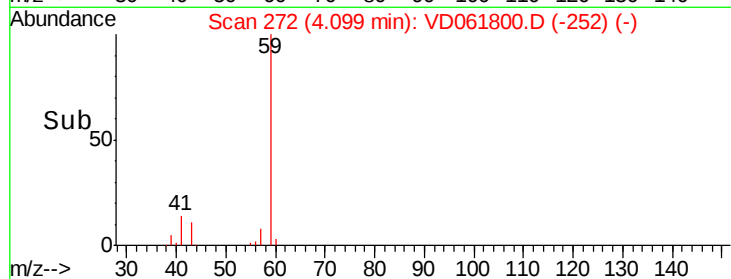
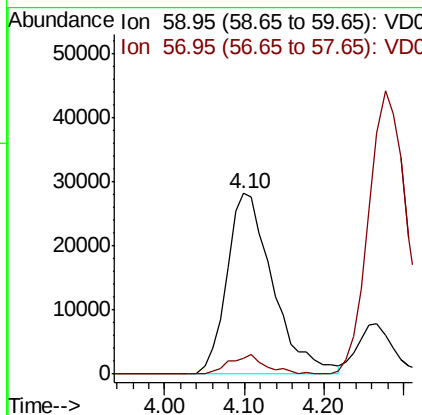
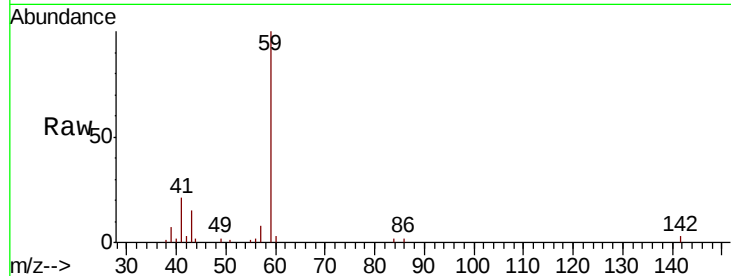


#11

Tert butyl alcohol  
Concen: 377.769 ug/l  
RT: 4.10 min Scan# 272  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampled :

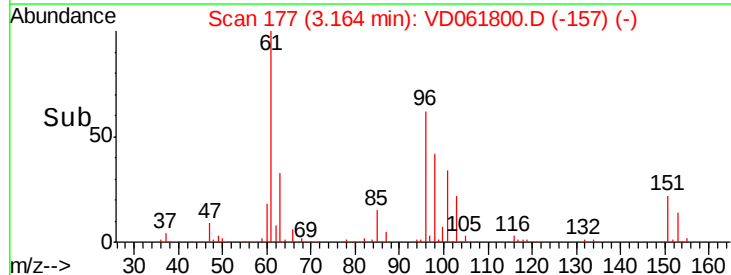
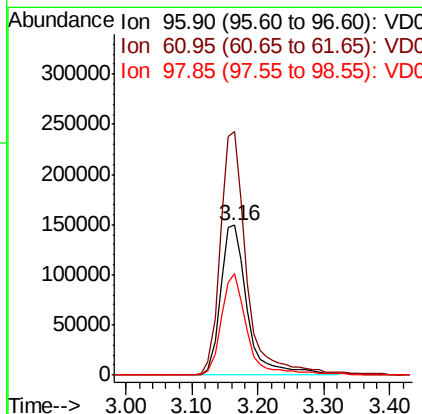
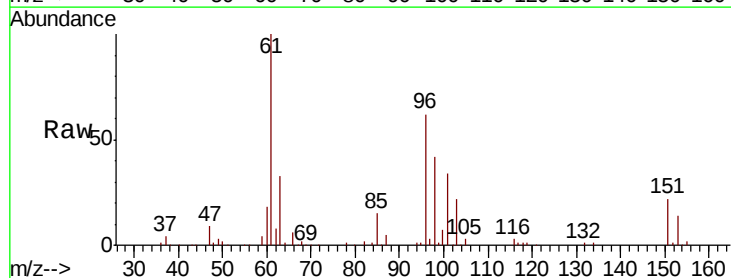
Tot Ion: 59 Resp: 112559  
Ion Ratio Lower Upper  
59 100  
57 8.5 6.9 10.3

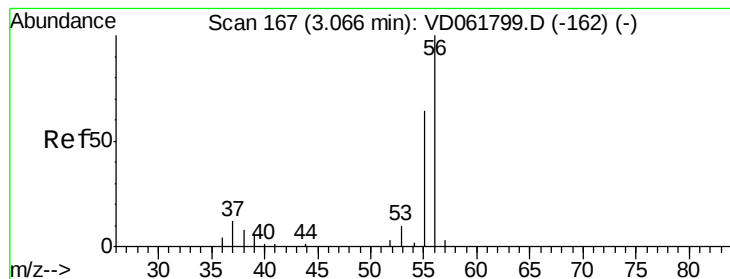


#12

1,1-Dichloroethene  
Concen: 75.387 ug/l  
RT: 3.16 min Scan# 177  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 96 Resp: 426576  
Ion Ratio Lower Upper  
96 100  
61 162.4 129.8 194.8  
98 67.8 51.2 76.8





#13

Acrolein

Concen: 306.324 ug/l

RT: 3.07 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

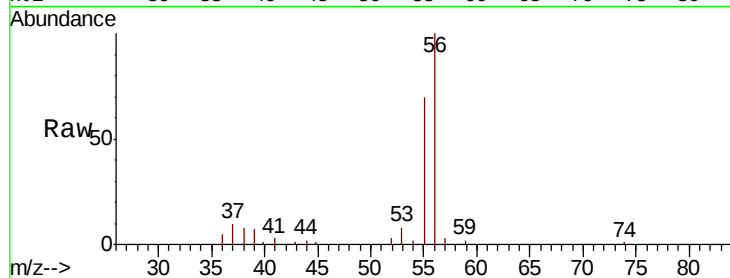
ClientSampleId :

Tot Ion: 56 Resp: 88424

Ion Ratio Lower Upper

56 100

55 70.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.07

40000

30000

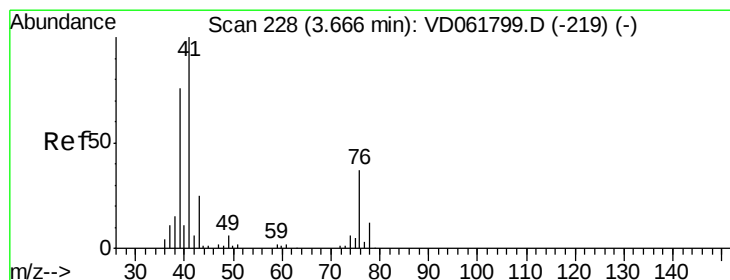
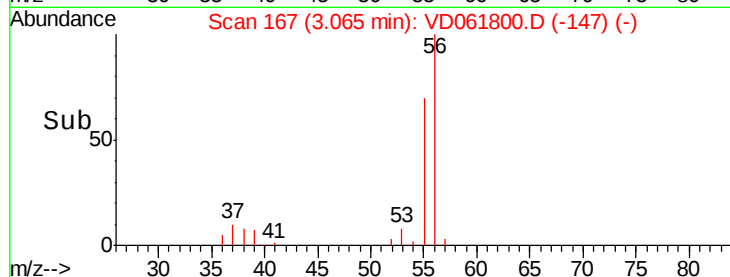
20000

10000

0

Time-->

3.00 3.10 3.20



#14

Allyl chloride

Concen: 78.925 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

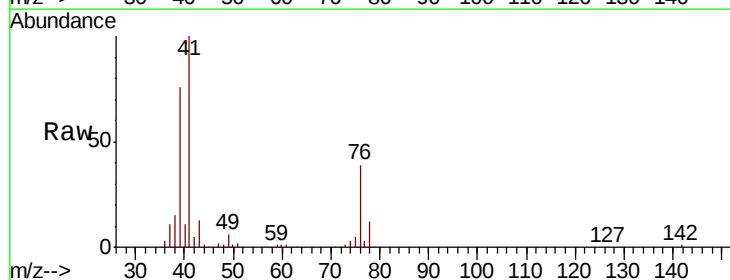
Tgt Ion: 41 Resp: 608853

Ion Ratio Lower Upper

41 100

39 75.7 60.5 90.7

76 38.5 31.8 47.8



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

300000

250000

200000

150000

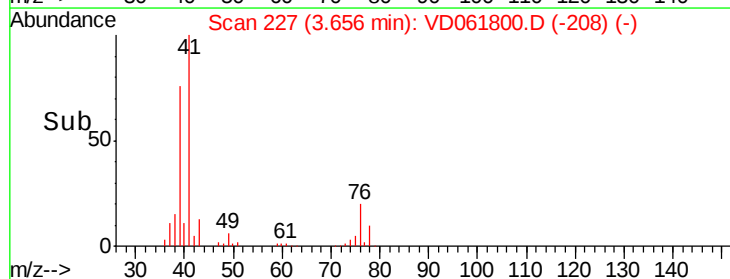
100000

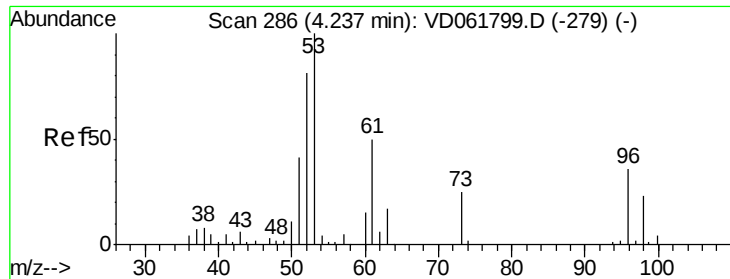
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 366.143 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleID :

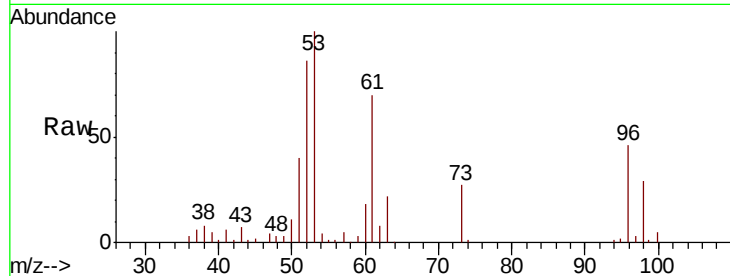
Tot Ion: 53 Resp: 342500

Ion Ratio Lower Upper

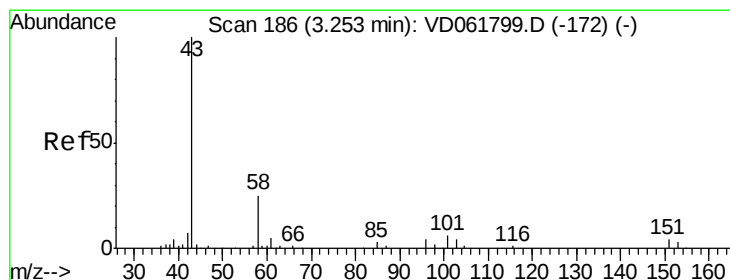
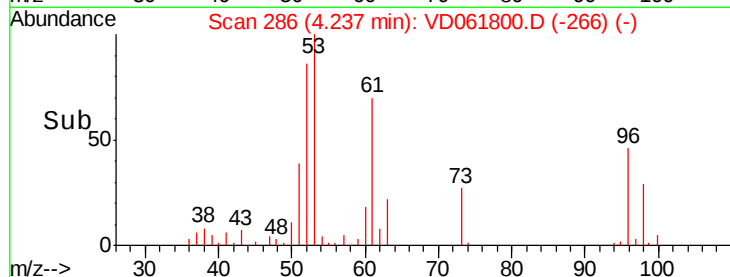
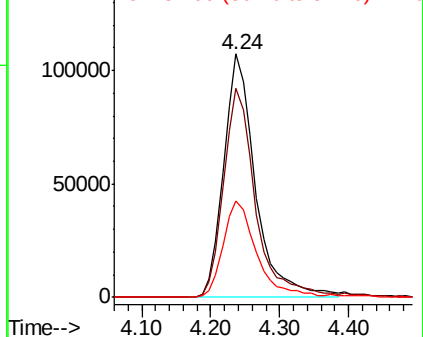
53 100

52 85.6 65.0 97.4

51 39.8 32.6 48.8



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: 391.735 ug/l

RT: 3.25 min Scan# 186

Delta R.T. -0.00 min

Lab File: VD061800.D

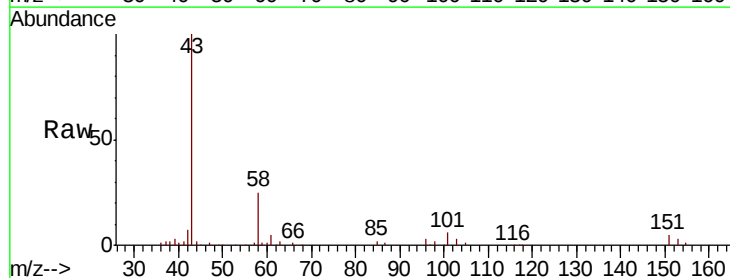
Acq: 15 Apr 2019 14:37

Tgt Ion: 43 Resp: 487886

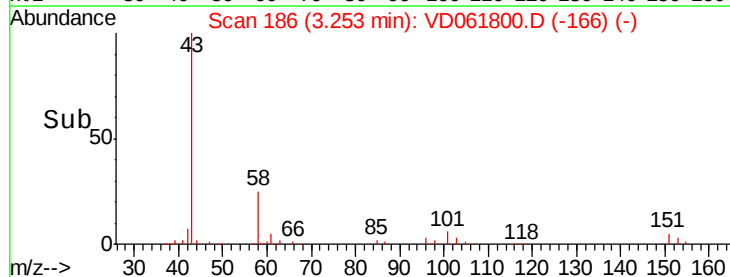
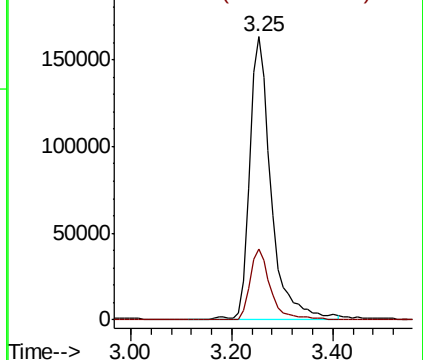
Ion Ratio Lower Upper

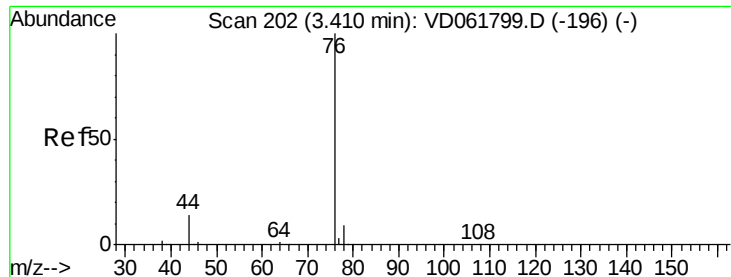
43 100

58 25.0 19.9 29.9



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

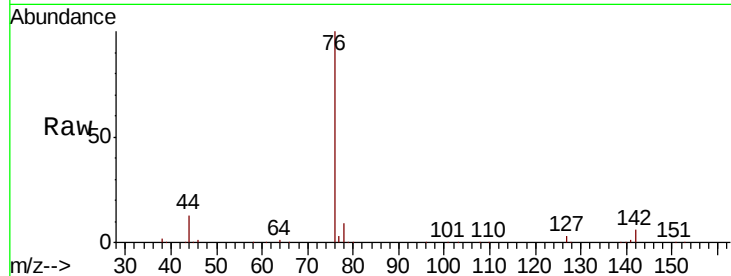




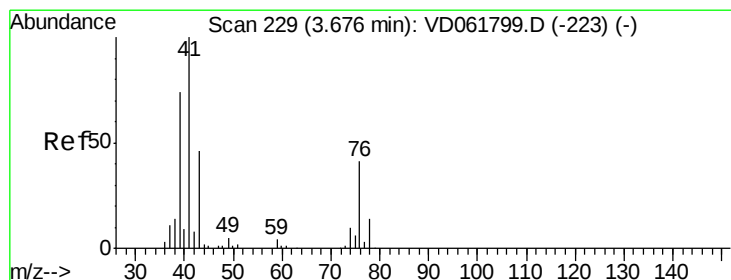
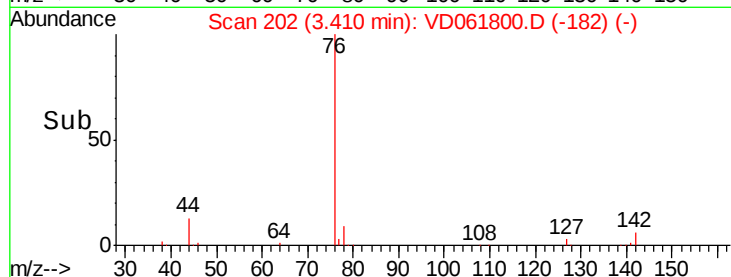
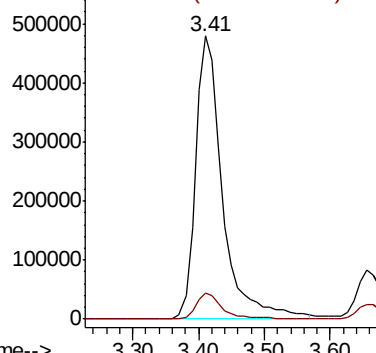
#17  
Carbon Disulfide  
Concen: 74.858 ug/l  
RT: 3.41 min Scan# 202  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 76 Resp: 1368990  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.2 10.8

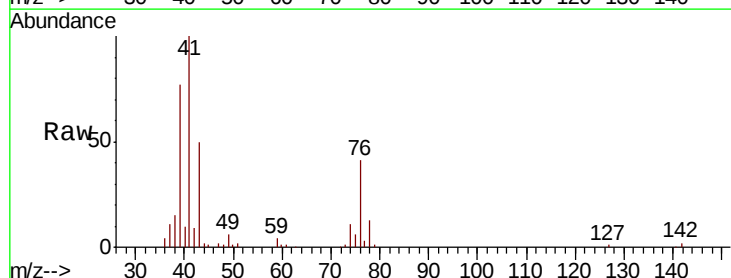


Abundance Ion 75.85 (75.55 to 76.55): VDC  
Ion 77.85 (77.55 to 78.55): VDC

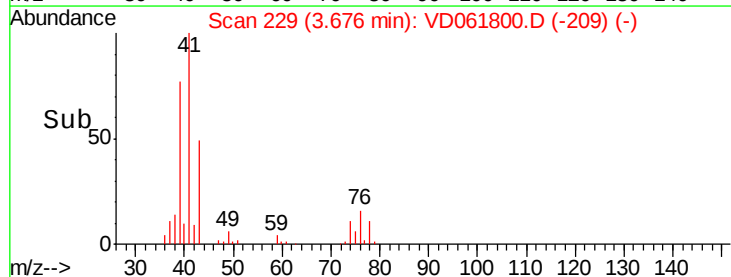
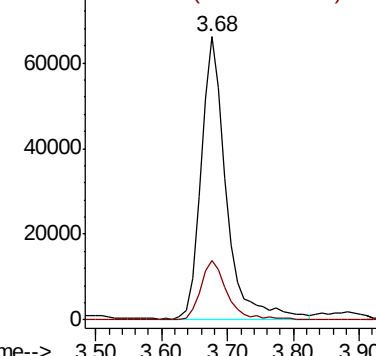


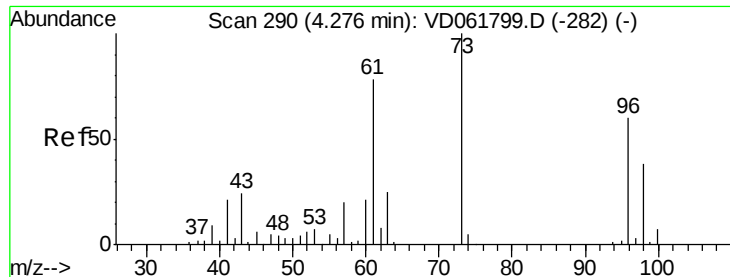
#18  
Methyl Acetate  
Concen: 71.173 ug/l  
RT: 3.68 min Scan# 229  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 43 Resp: 177763  
Ion Ratio Lower Upper  
43 100  
74 21.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 74.00 (73.70 to 74.70): VDC

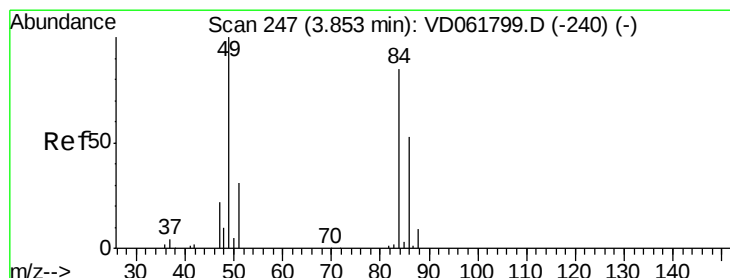
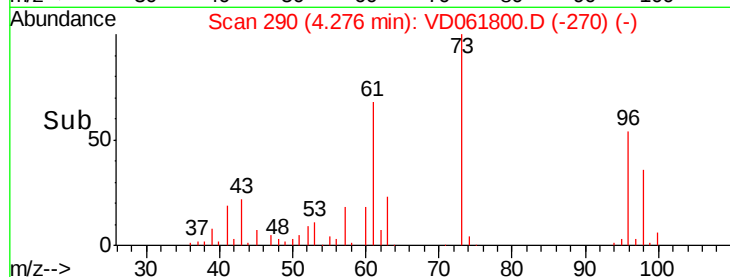
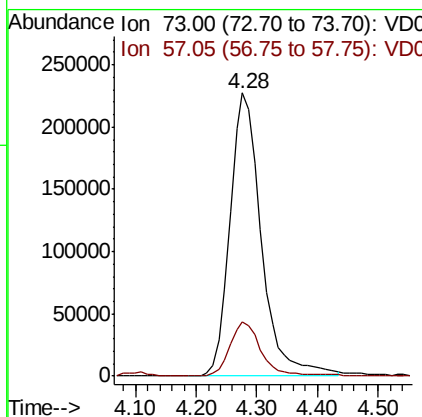
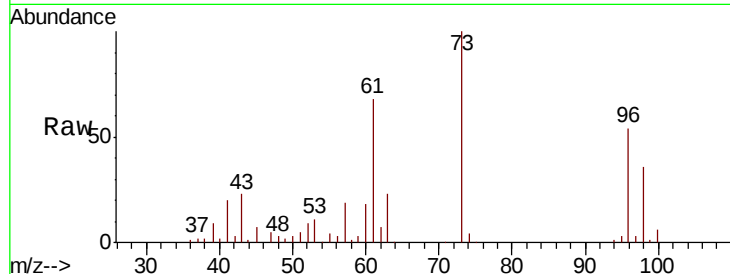




#19  
Methyl tert-butyl Ether  
Concen: 77.894 ug/l  
RT: 4.28 min Scan# 290  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

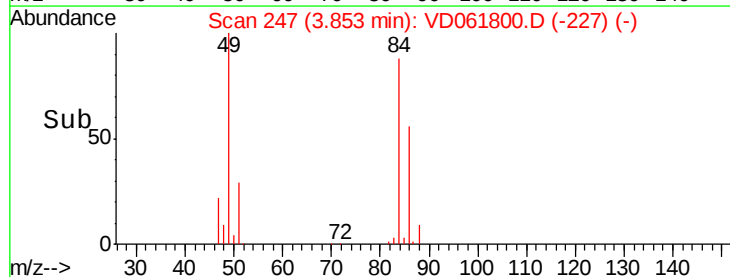
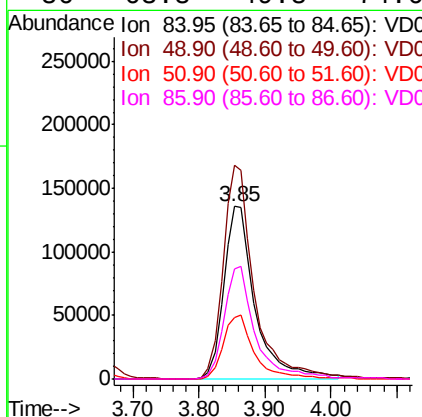
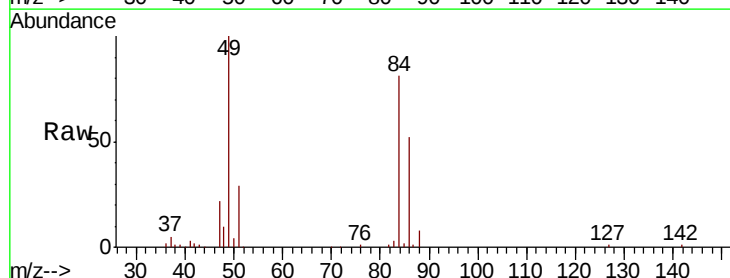
Instrument :  
MSVOA\_D  
ClientSampleID :

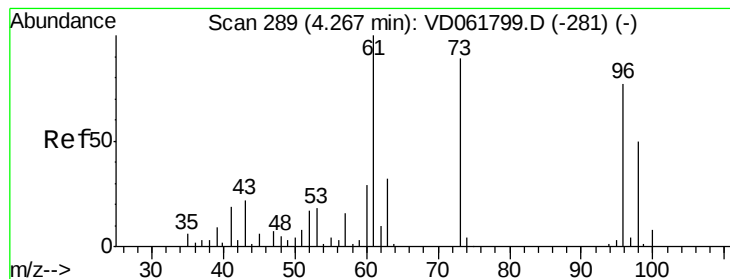
Tot Ion: 73 Resp: 820570  
Ion Ratio Lower Upper  
73 100  
57 19.4 16.3 24.5



#20  
Methylene Chloride  
Concen: 60.101 ug/l  
RT: 3.85 min Scan# 247  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 84 Resp: 451686  
Ion Ratio Lower Upper  
84 100  
49 123.6 94.0 141.0  
51 35.3 29.0 43.4  
86 63.8 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 78.486 ug/l

RT: 4.27 min Scan# 289

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

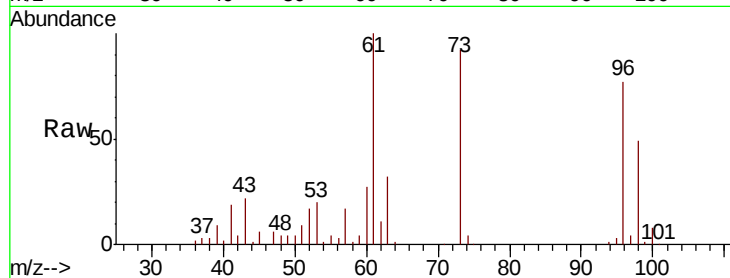
Tot Ion: 96 Resp: 487751

Ion Ratio Lower Upper

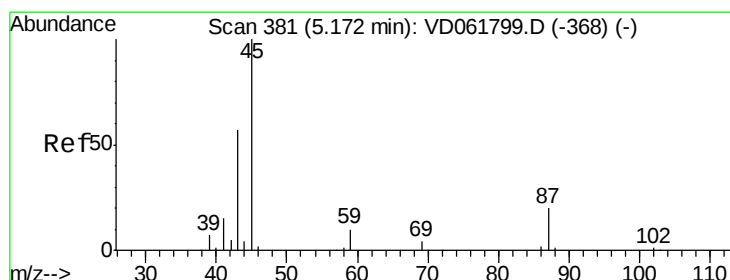
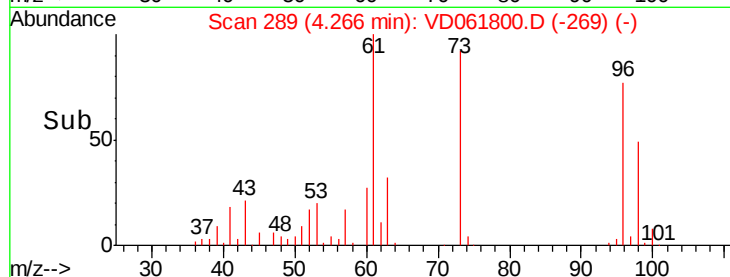
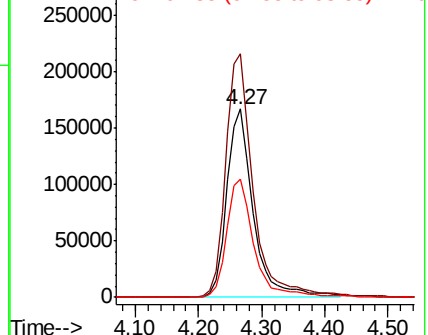
96 100

61 129.4 104.4 156.6

98 62.8 51.8 77.8



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



#22

Diisopropyl ether

Concen: 74.413 ug/l

RT: 5.17 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion: 45 Resp: 1224976

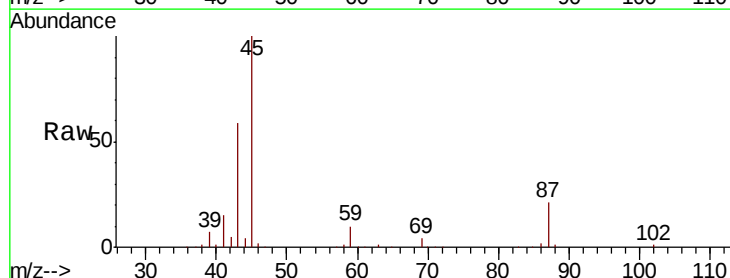
Ion Ratio Lower Upper

45 100

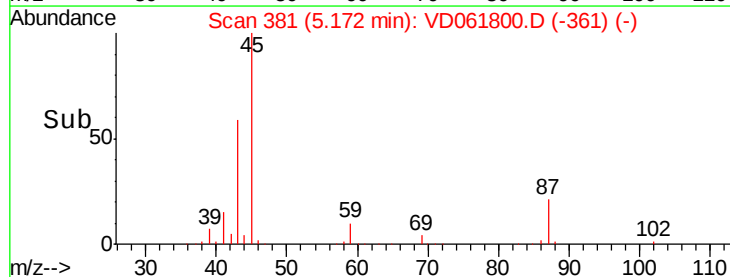
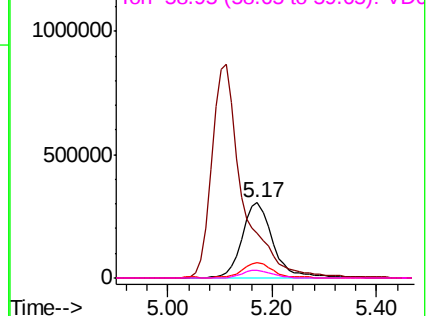
43 59.3 46.2 69.2

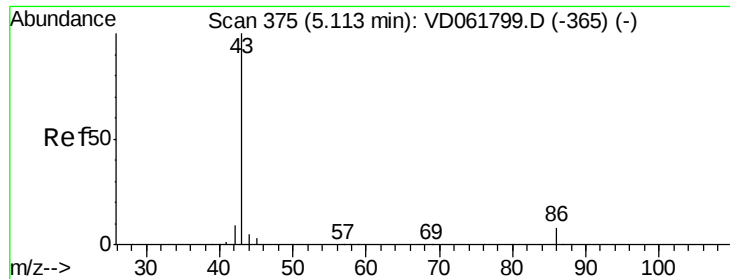
87 20.6 15.9 23.9

59 10.4 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 396.692 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

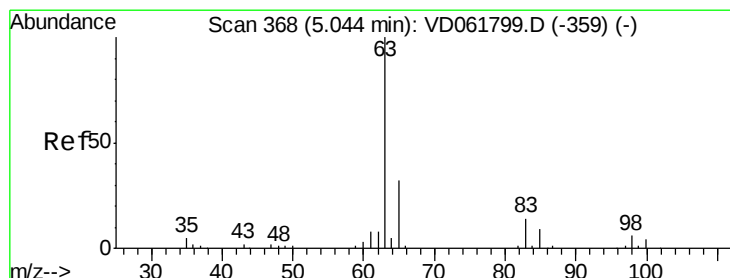
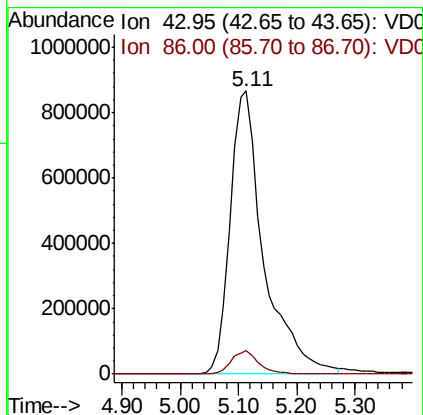
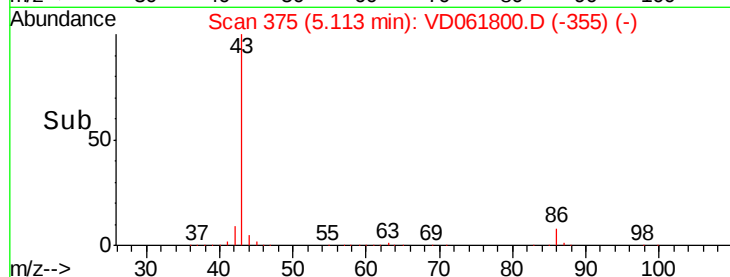
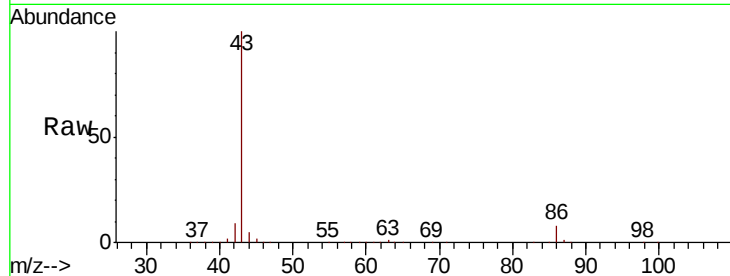
ClientSampleId :

Tot Ion: 43 Resp: 3485481

Ion Ratio Lower Upper

43 100

86 8.2 6.4 9.6



#24

1,1-Dichloroethane

Concen: 76.733 ug/l

RT: 5.03 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

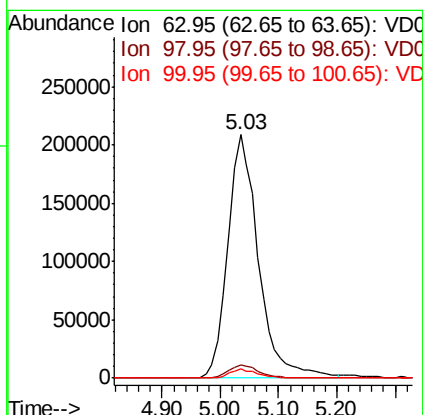
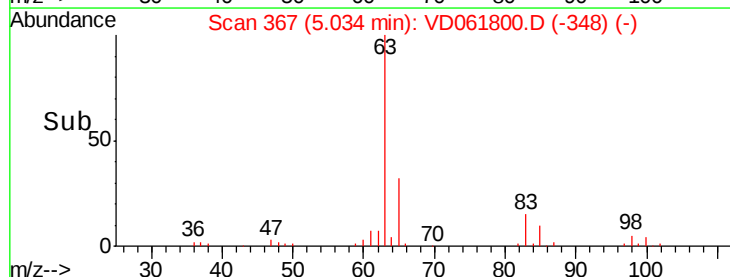
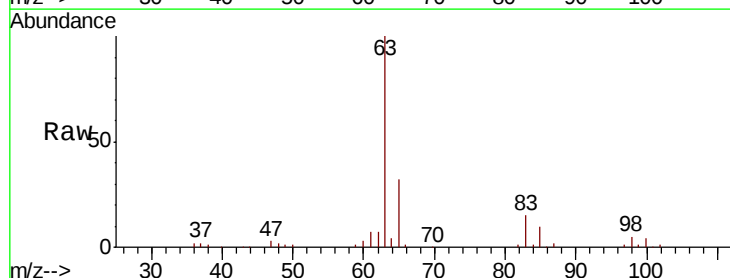
Tgt Ion: 63 Resp: 766672

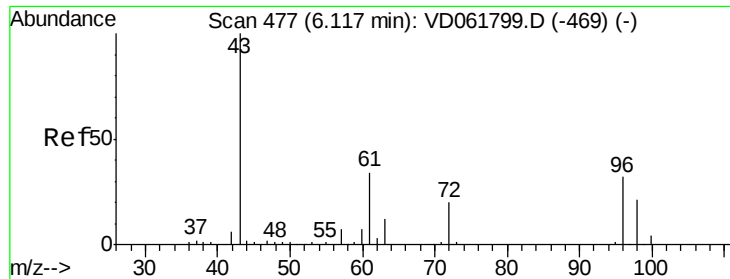
Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 393.340 ug/l

RT: 6.12 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

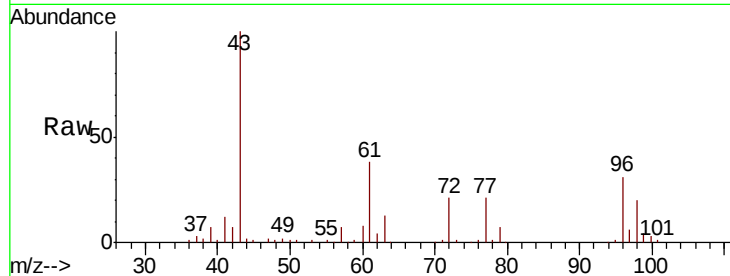
ClientSampleId :

Tot Ion: 43 Resp: 557804

Ion Ratio Lower Upper

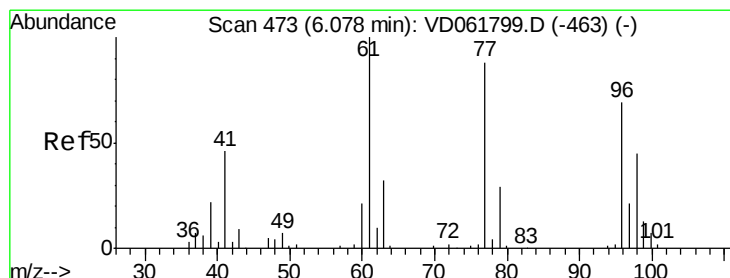
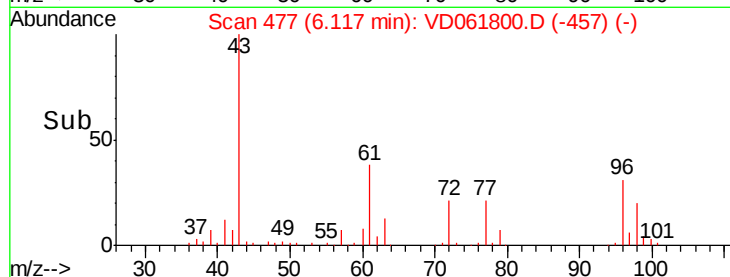
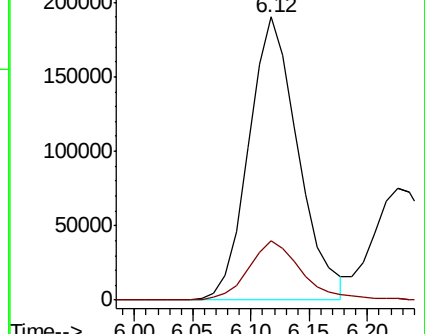
43 100

72 21.2 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 74.823 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD061800.D

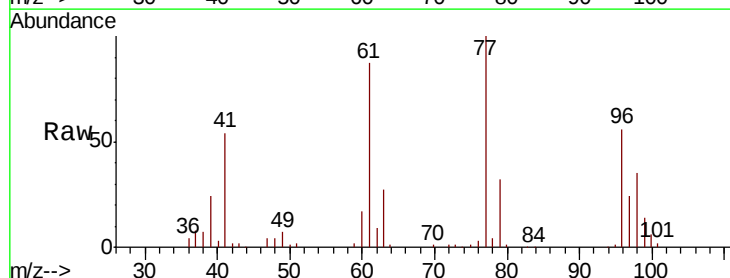
Acq: 15 Apr 2019 14:37

Tgt Ion: 77 Resp: 646844

Ion Ratio Lower Upper

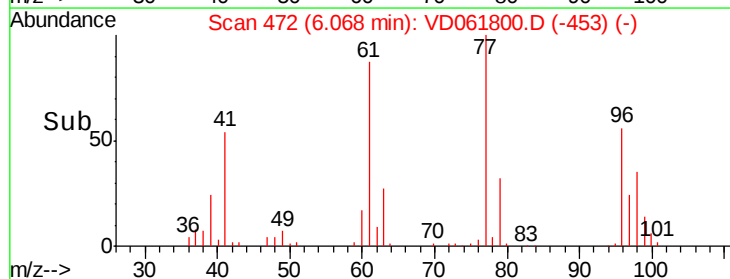
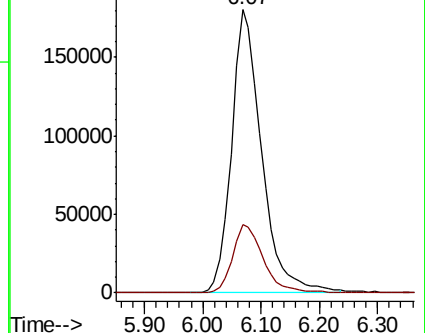
77 100

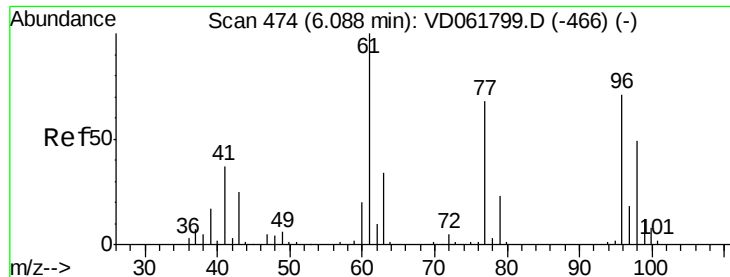
97 24.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



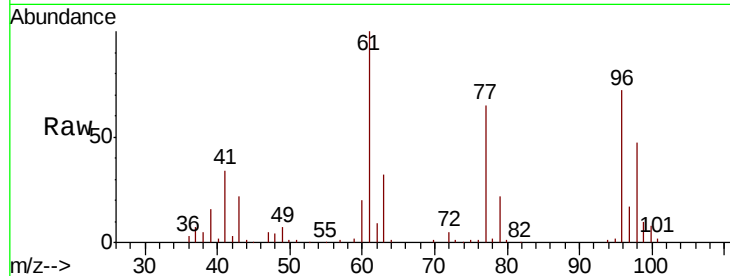


#27

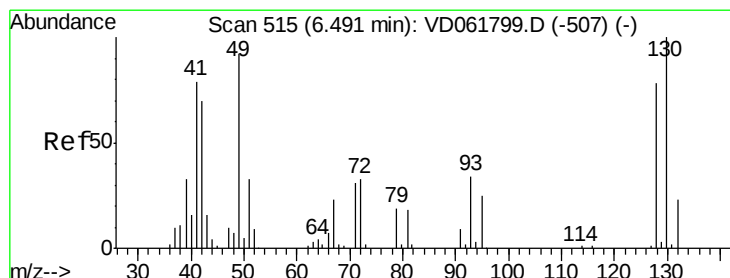
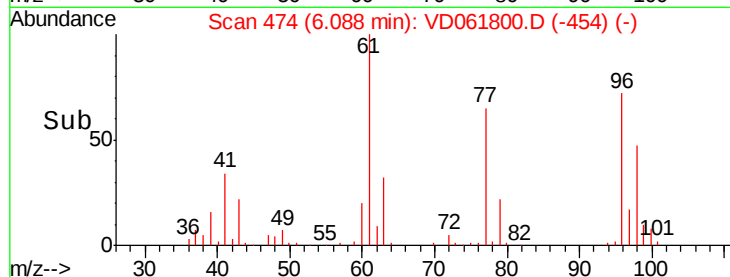
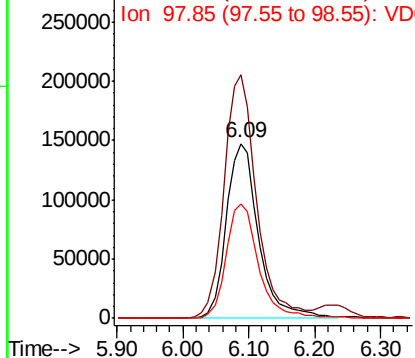
cis-1,2-Dichloroethene  
Concen: 74.864 ug/l  
RT: 6.09 min Scan# 474  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 139.2 | 0.0   | 279.8 |
| 98      | 65.5  | 0.0   | 136.0 |



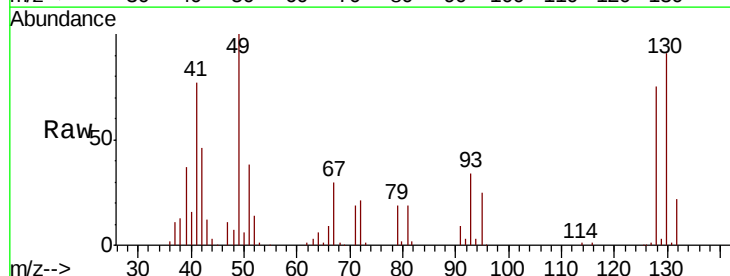
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



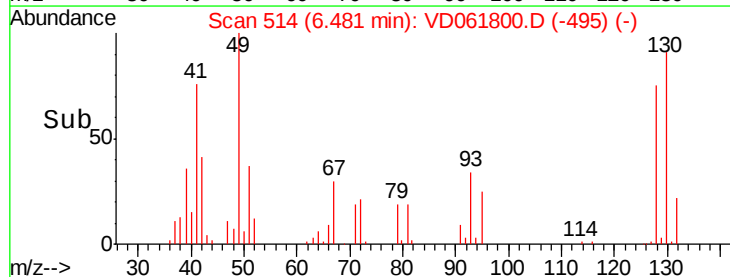
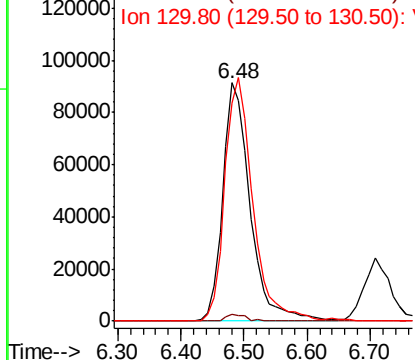
#28

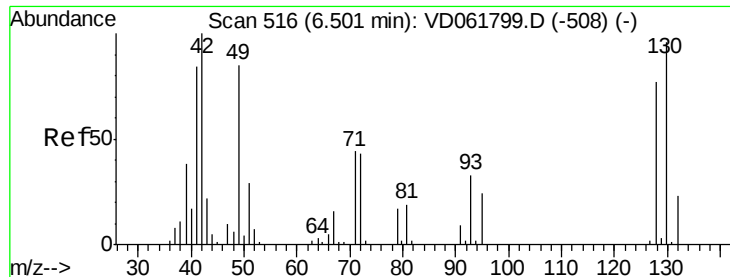
Bromochloromethane  
Concen: 72.343 ug/l  
RT: 6.48 min Scan# 514  
Delta R.T. -0.01 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.9   | 0.0   | 6.6   |
| 130     | 91.5  | 86.7  | 130.1 |



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

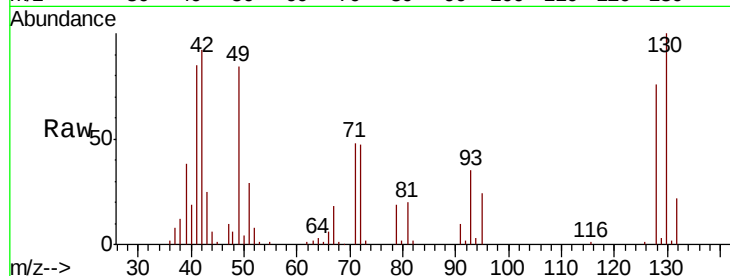




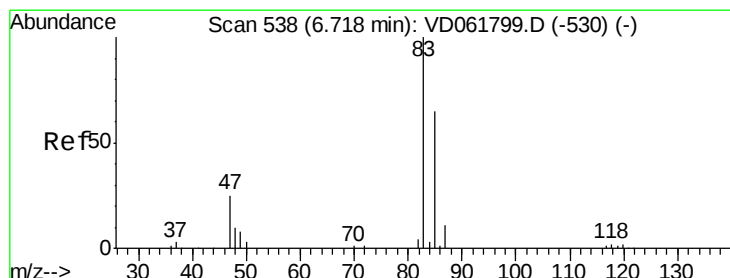
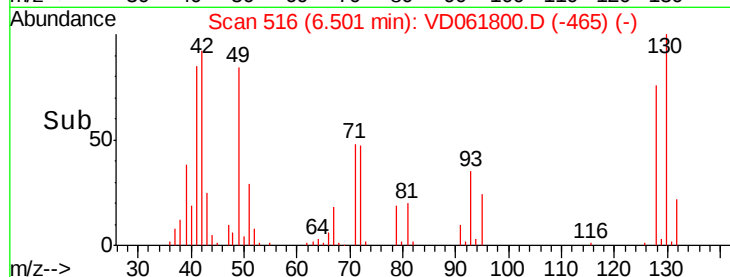
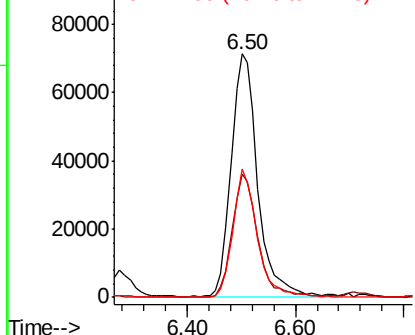
#29  
Tetrahydrofuran  
Concen: 356.556 ug/l  
RT: 6.50 min Scan# 516  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleID :

Tot Ion: 42 Resp: 246317  
Ion Ratio Lower Upper  
42 100  
72 48.5 37.8 56.6  
71 47.9 36.7 55.1

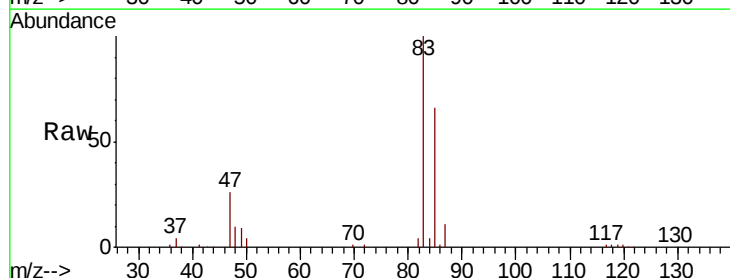


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

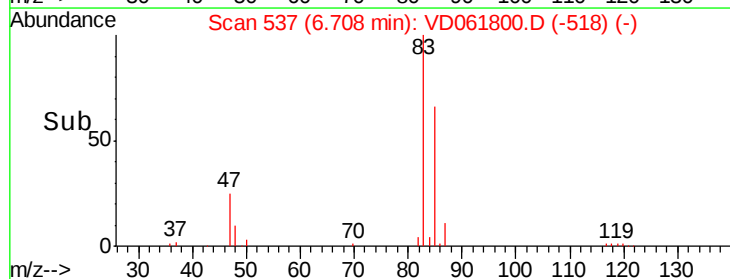
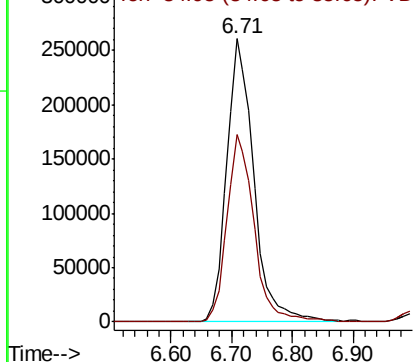


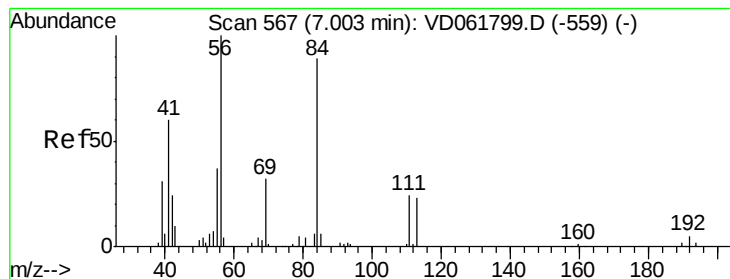
#30  
Chloroform  
Concen: 72.801 ug/l  
RT: 6.71 min Scan# 537  
Delta R.T. -0.01 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 83 Resp: 811953  
Ion Ratio Lower Upper  
83 100  
85 66.2 51.7 77.5



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





#31

Cyclohexane

Concen: 76.329 ug/l

RT: 7.00 min Scan# 567

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

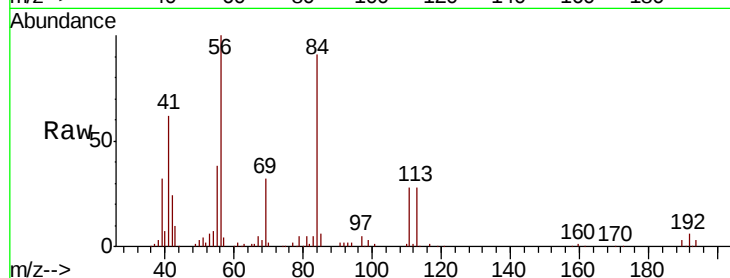
Tot Ion: 56 Resp: 584271

Ion Ratio Lower Upper

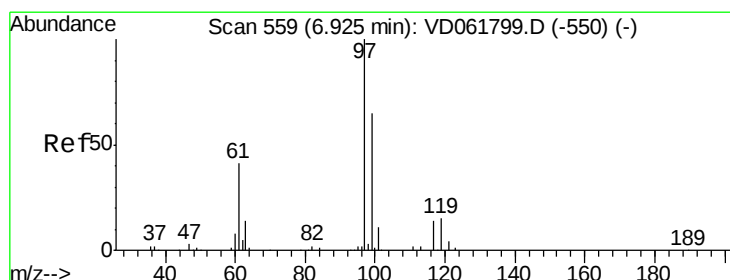
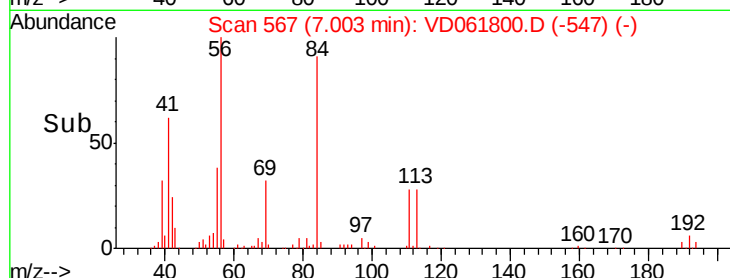
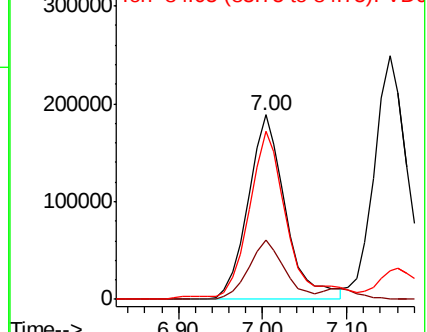
56 100

69 32.3 25.8 38.6

84 91.4 72.2 108.4



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: 77.336 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

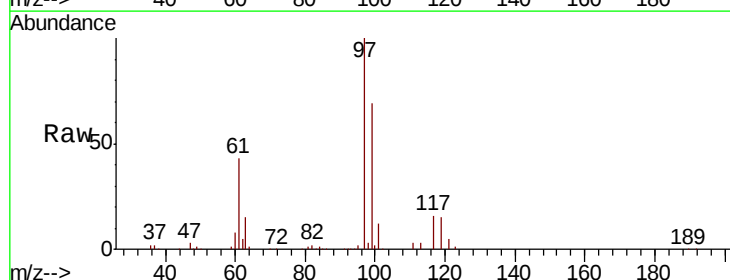
Tgt Ion: 97 Resp: 764570

Ion Ratio Lower Upper

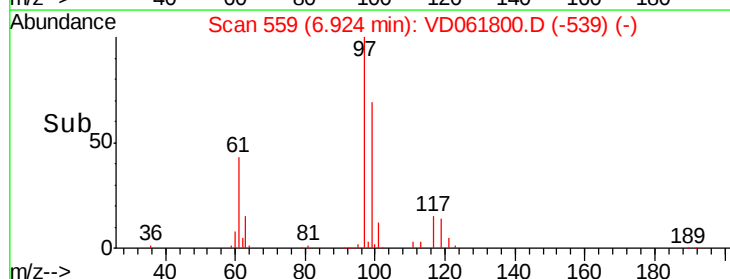
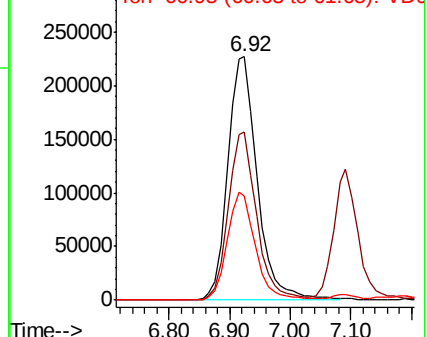
97 100

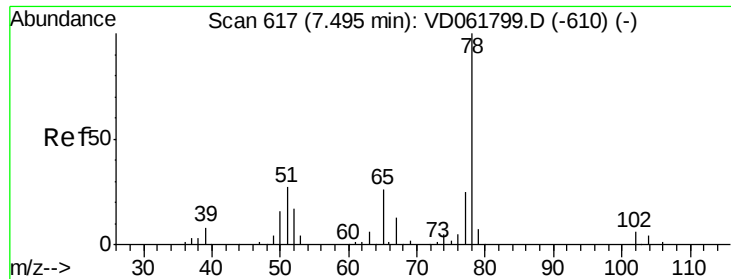
99 69.0 52.2 78.2

61 42.7 32.4 48.6



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: 77.336 ug/l

RT: 7.50 min Scan# 617

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

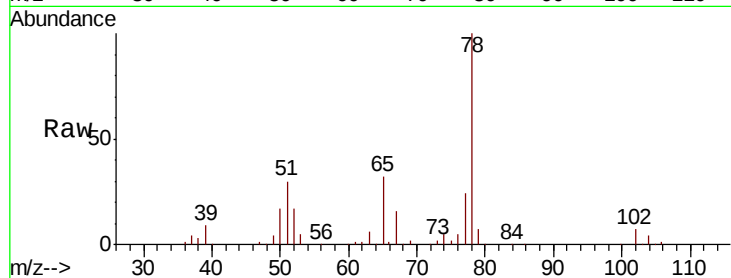
ClientSampleId :

Tot Ion: 65 Resp: 409080

Ion Ratio Lower Upper

65 100

67 49.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.50

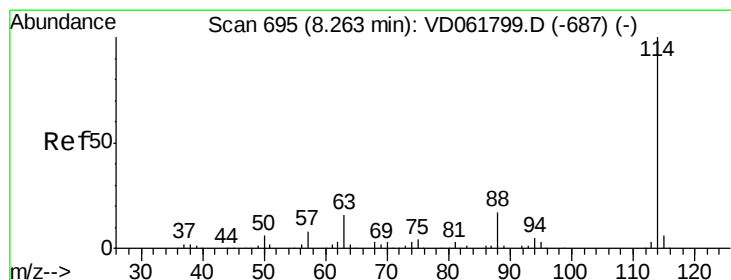
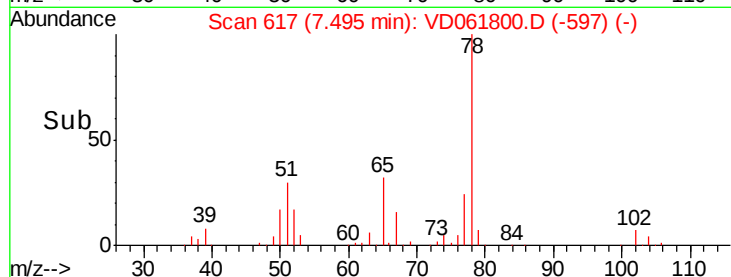
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.26 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

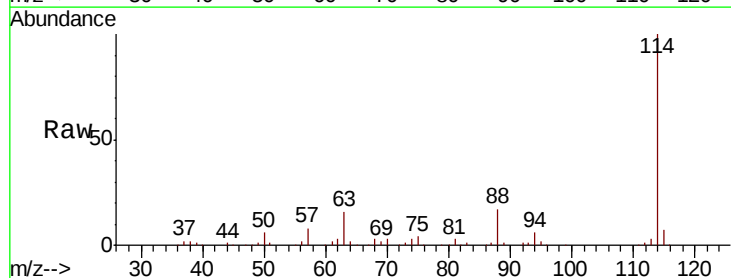
Tgt Ion: 114 Resp: 947840

Ion Ratio Lower Upper

114 100

63 15.8 0.0 32.4

88 16.9 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

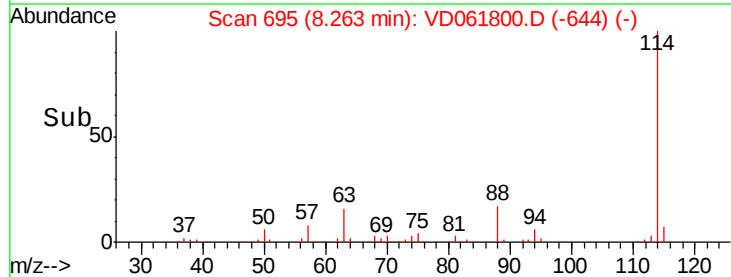
300000

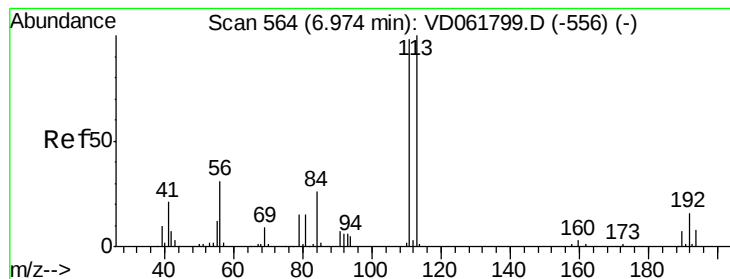
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.97 min Scan# 564

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

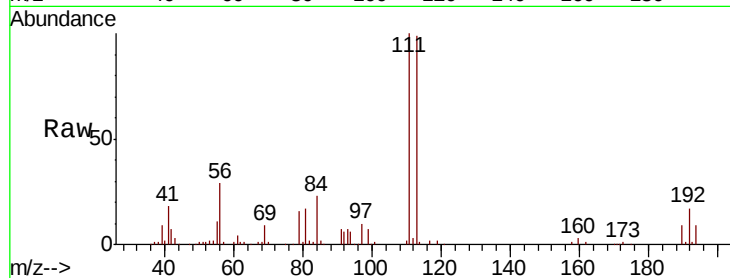
Tot Ion:113 Resp: 601814

Ion Ratio Lower Upper

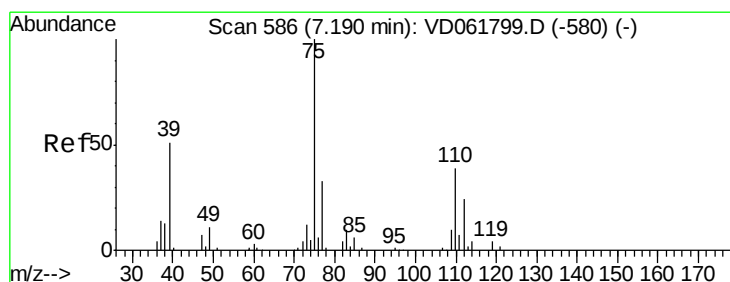
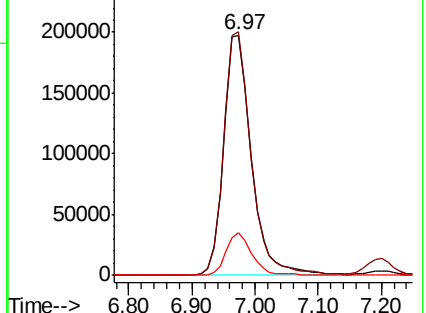
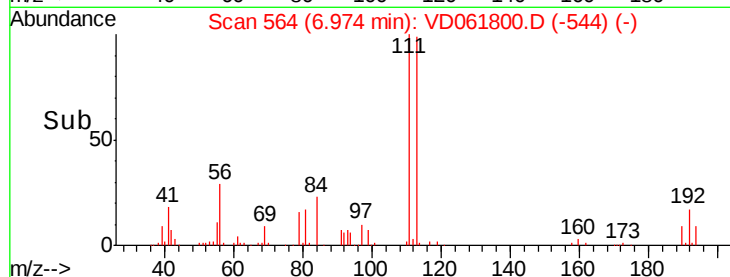
113 100

111 101.5 78.5 117.7

192 17.6 13.0 19.4



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: 76.185 ug/l

RT: 7.20 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

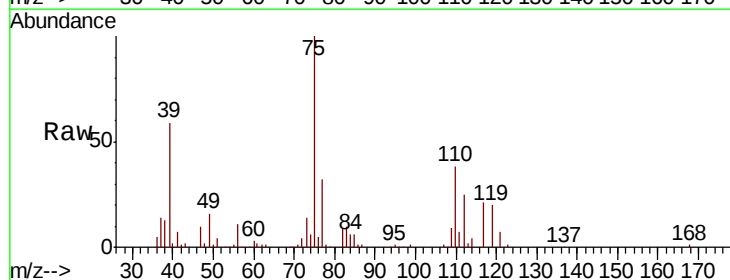
Tgt Ion: 75 Resp: 590199

Ion Ratio Lower Upper

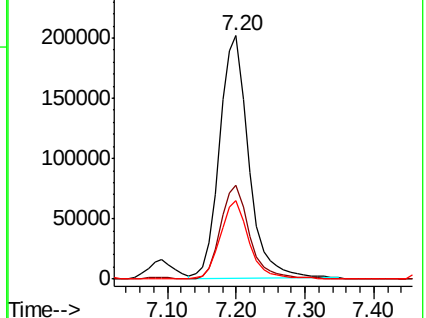
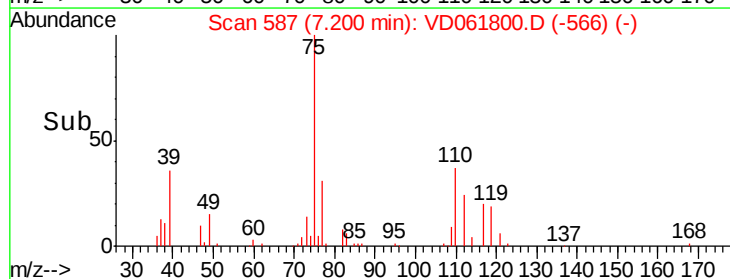
75 100

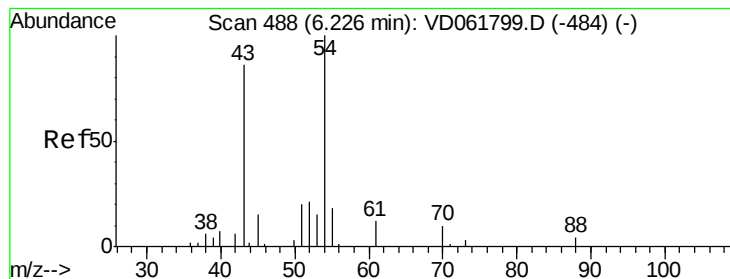
110 38.3 19.1 57.1

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 109.90 (109.60 to 110.60): V  
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 80.594 ug/l

RT: 6.23 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampled :

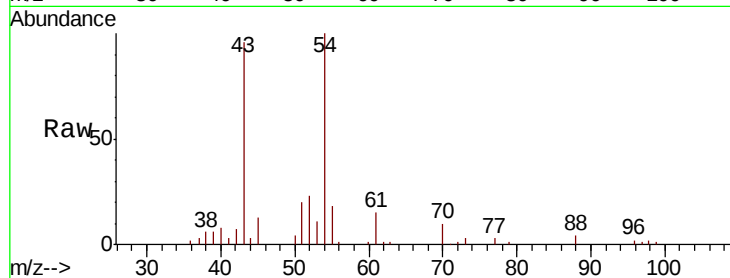
Tot Ion: 43 Resp: 267166

Ion Ratio Lower Upper

43 100

61 15.2 14.7 22.1

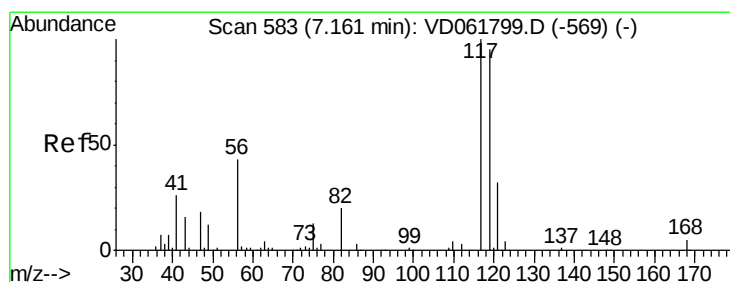
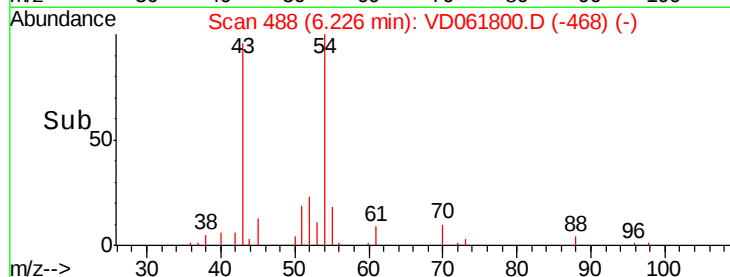
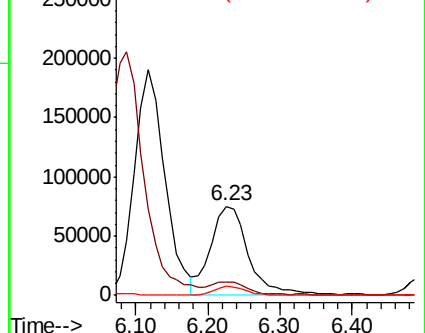
70 10.1 7.8 11.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 76.250 ug/l

RT: 7.16 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

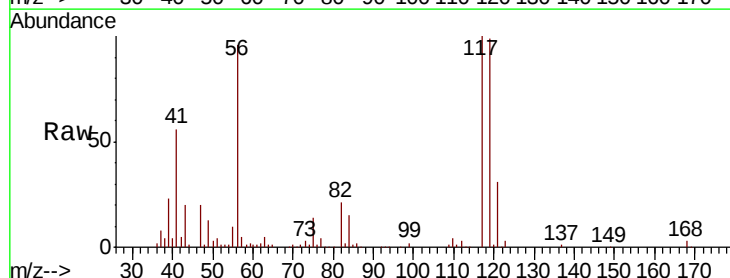
Tgt Ion: 117 Resp: 768871

Ion Ratio Lower Upper

117 100

119 99.5 75.8 113.8

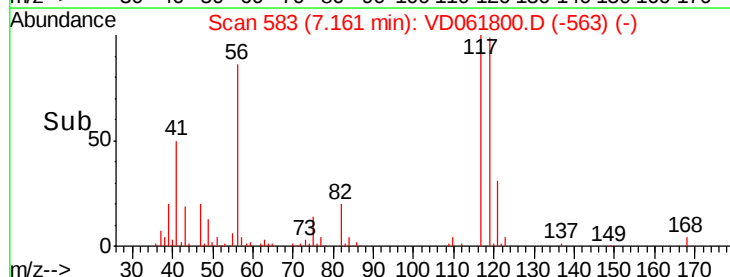
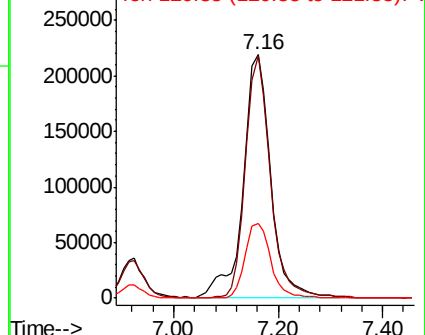
121 30.8 25.9 38.9

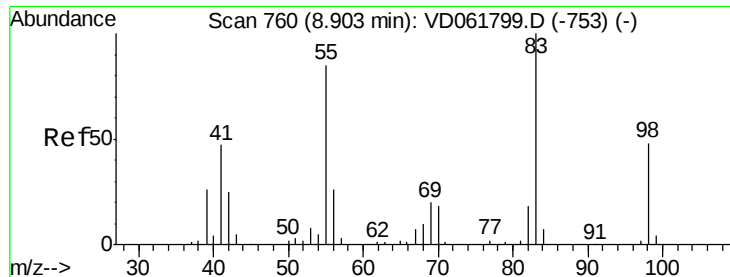


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

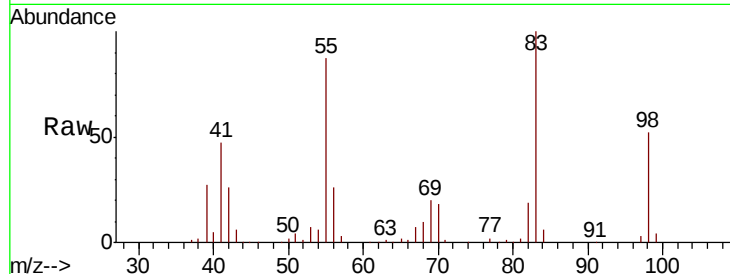




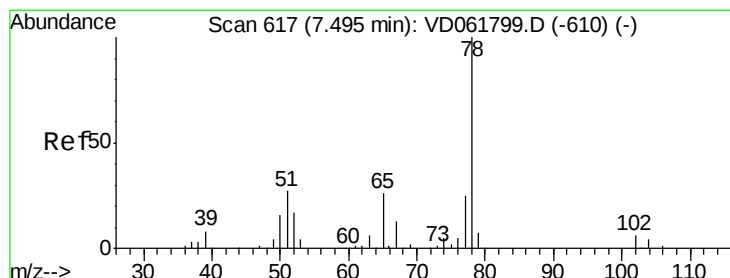
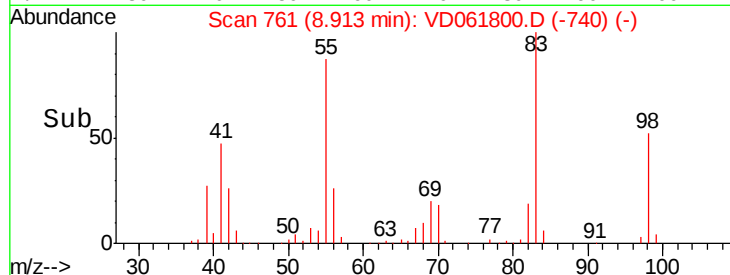
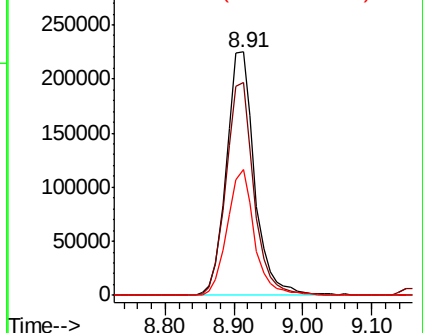
#39  
Methvlcvclohexane  
Concen: 79.366 ug/l  
RT: 8.91 min Scan# 761  
Delta R.T. 0.01 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 83 Resp: 638348  
Ion Ratio Lower Upper  
83 100  
55 87.3 68.2 102.4  
98 51.5 38.2 57.4

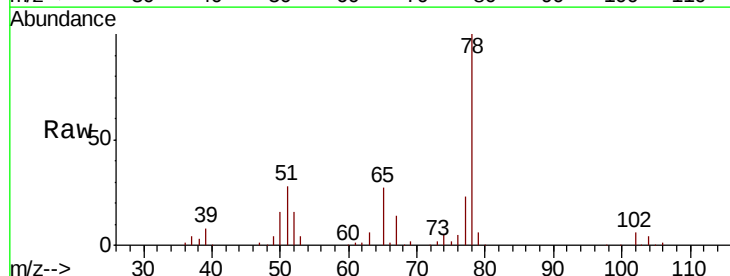


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

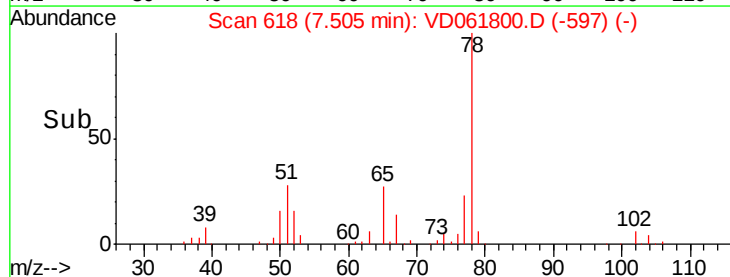
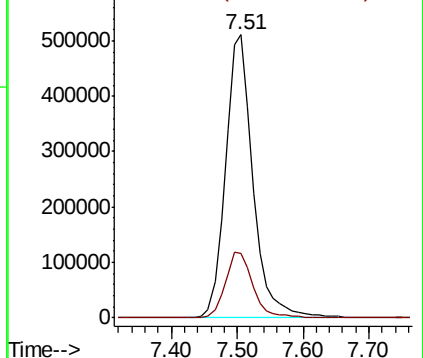


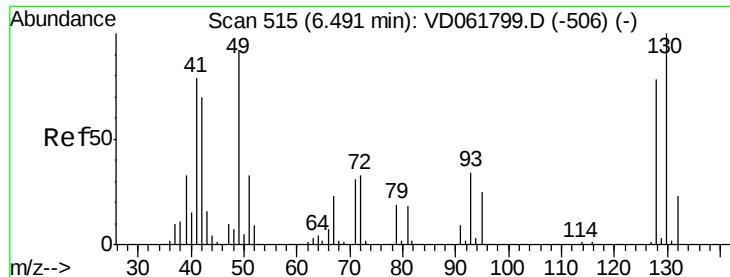
#40  
Benzene  
Concen: 79.699 ug/l  
RT: 7.51 min Scan# 618  
Delta R.T. 0.01 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 78 Resp: 1482203  
Ion Ratio Lower Upper  
78 100  
77 22.8 19.7 29.5



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

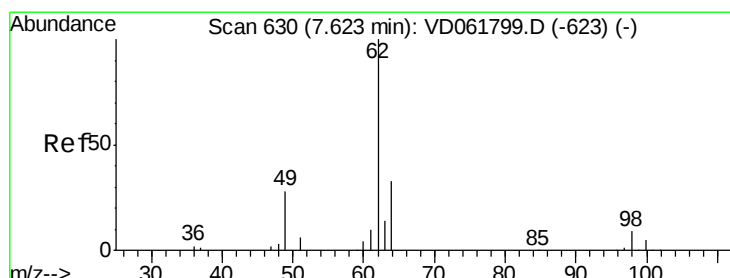
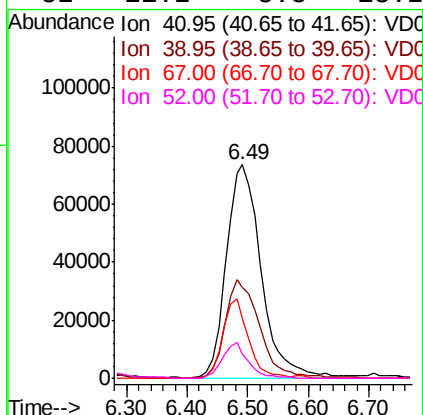
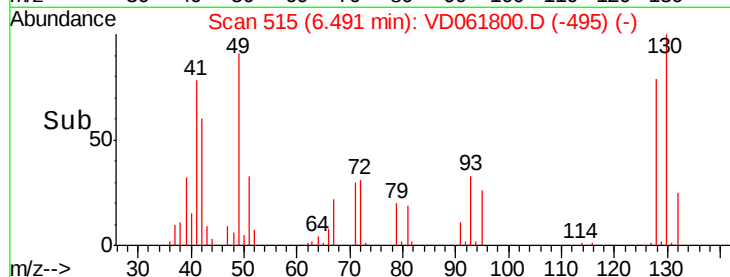
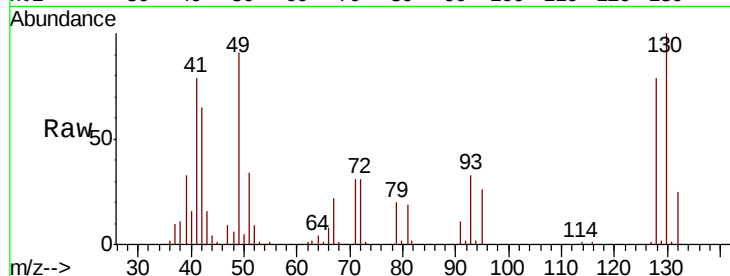




#41  
Methacrylonitrile  
Concen: 75.100 ug/l  
RT: 6.49 min Scan# 515  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

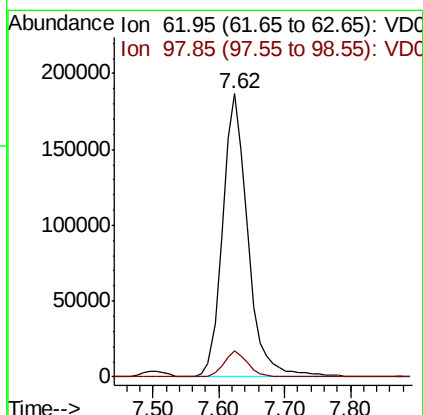
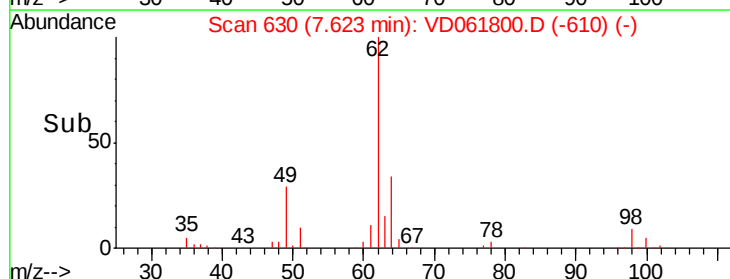
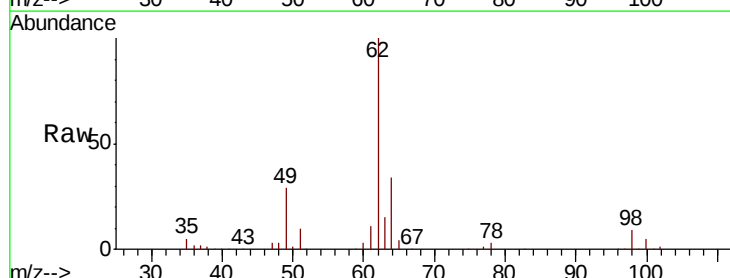
Instrument :  
MSVOA\_D  
ClientSampleID :

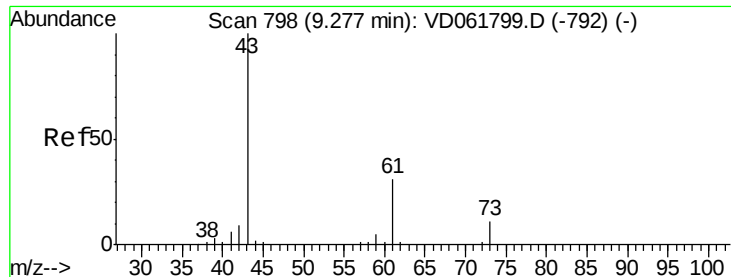
Tot Ion: 41 Resp: 294253  
Ion Ratio Lower Upper  
41 100  
39 42.4 34.1 51.1  
67 27.9 23.8 35.6  
52 11.2 8.8 13.2



#42  
1,2-Dichloroethane  
Concen: 76.719 ug/l  
RT: 7.62 min Scan# 630  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 62 Resp: 496846  
Ion Ratio Lower Upper  
62 100  
98 9.4 0.0 17.8



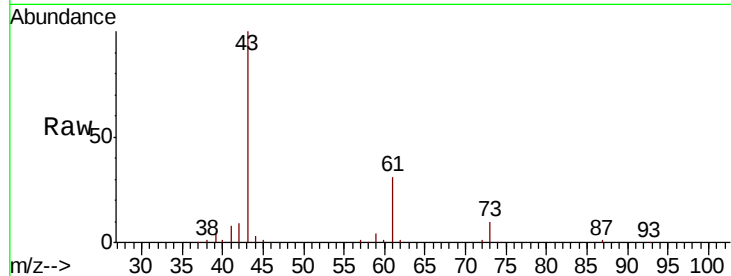


#43

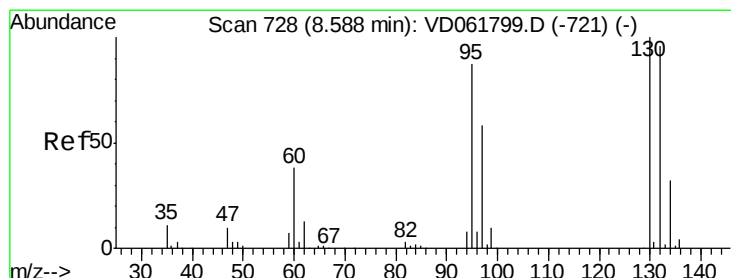
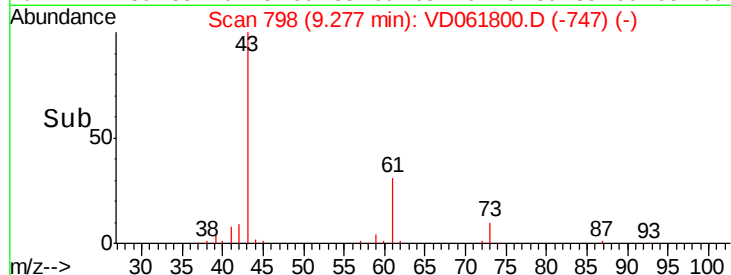
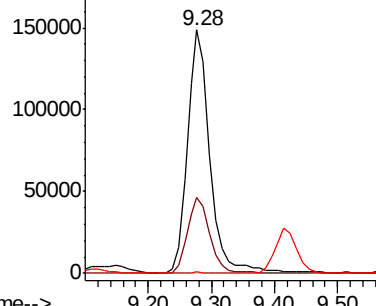
Isopropyl Acetate  
 Concen: 79.897 ug/l  
 RT: 9.28 min Scan# 798  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion: 43 Resp: 372713  
 Ion Ratio Lower Upper  
 43 100  
 61 31.4 25.1 37.7  
 87 0.5 0.0 0.0#



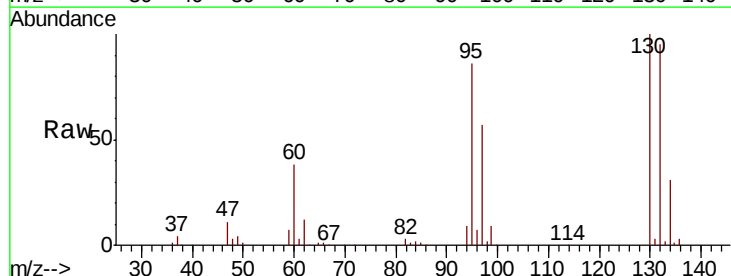
Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



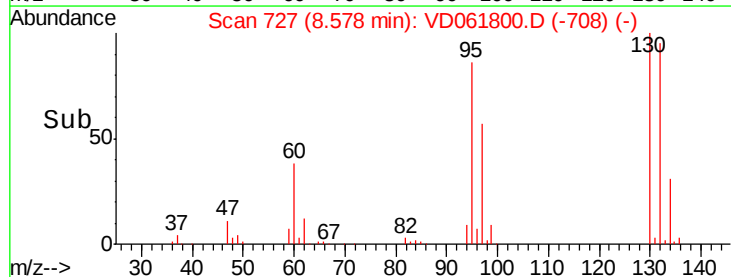
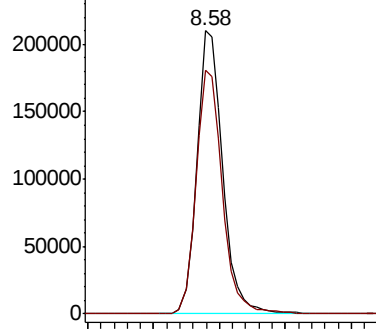
#44

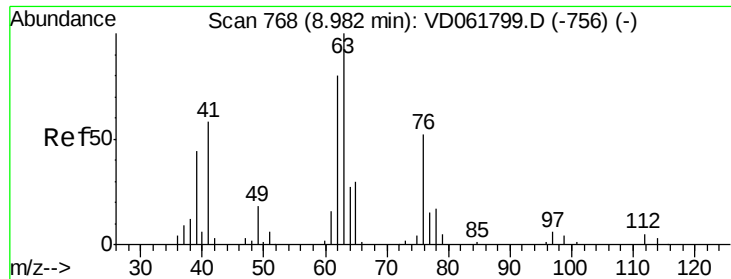
Trichloroethene  
 Concen: 80.238 ug/l  
 RT: 8.58 min Scan# 727  
 Delta R.T. -0.01 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Tgt Ion: 130 Resp: 574372  
 Ion Ratio Lower Upper  
 130 100  
 95 86.0 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 80.186 ug/l

RT: 8.98 min Scan# 768

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

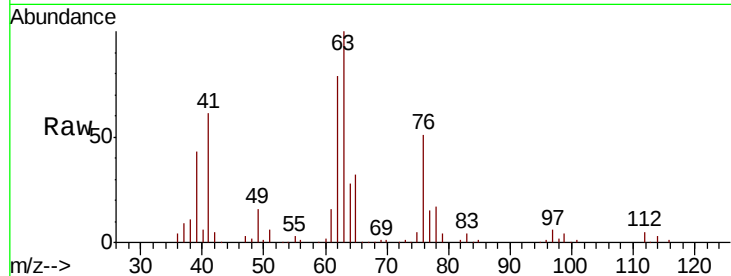
ClientSampleId :

Tot Ion: 63 Resp: 388384

Ion Ratio Lower Upper

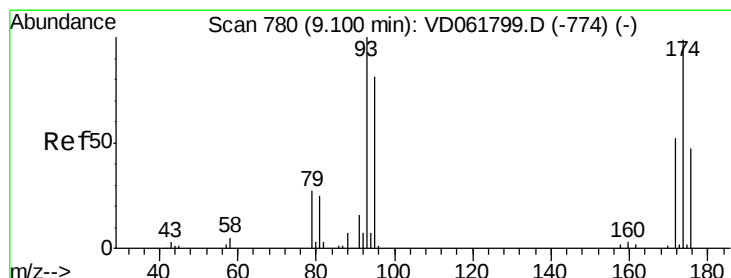
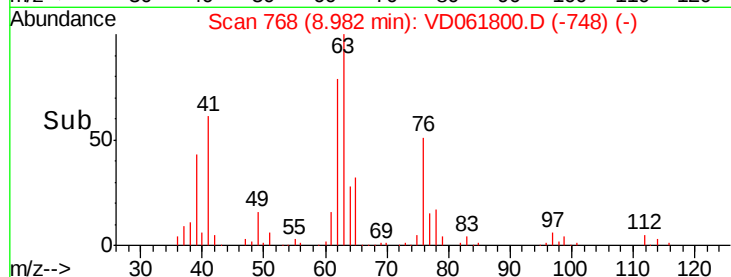
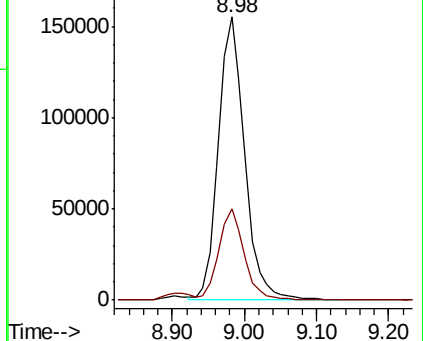
63 100

65 32.3 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 79.708 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

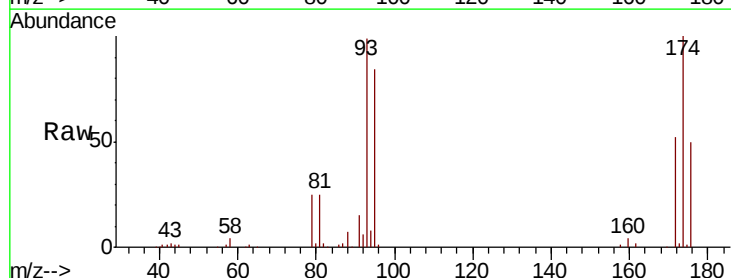
Tgt Ion: 93 Resp: 275089

Ion Ratio Lower Upper

93 100

95 84.7 64.8 97.2

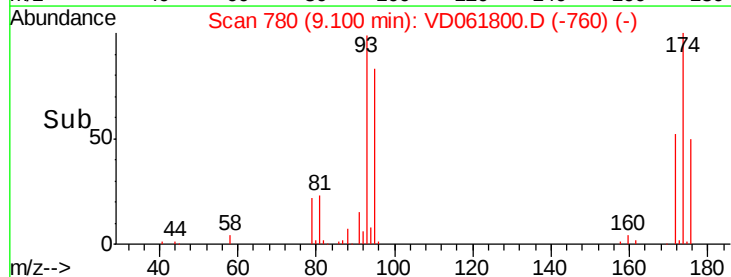
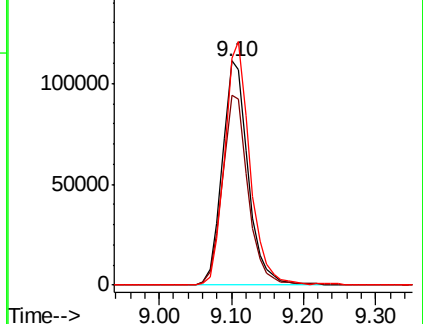
174 101.1 79.3 118.9

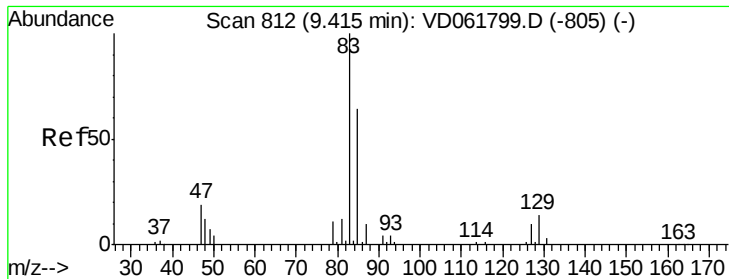


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 81.027 ug/l

RT: 9.42 min Scan# 812

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :

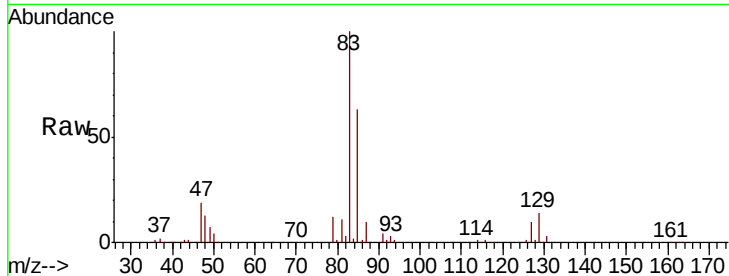
Tot Ion: 83 Resp: 645140

Ion Ratio Lower Upper

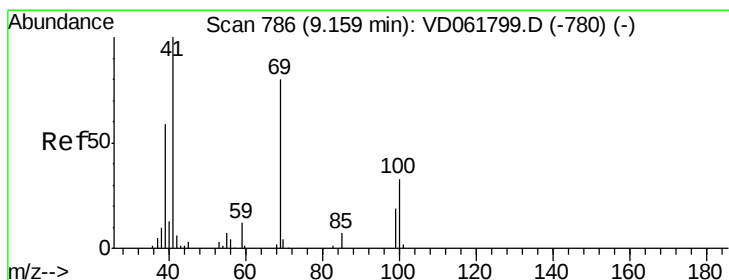
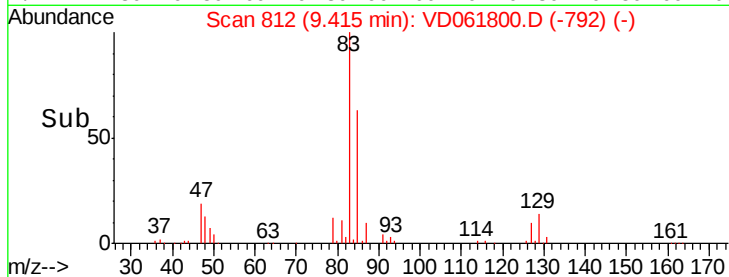
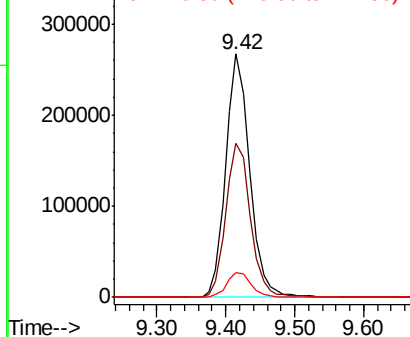
83 100

85 63.5 50.9 76.3

127 10.4 8.1 12.1



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: 78.096 ug/l

RT: 9.16 min Scan# 786

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

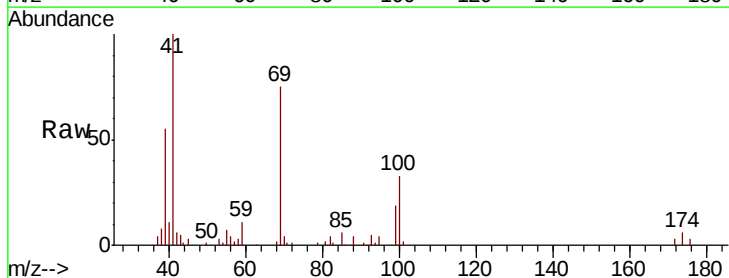
Tgt Ion: 41 Resp: 214149

Ion Ratio Lower Upper

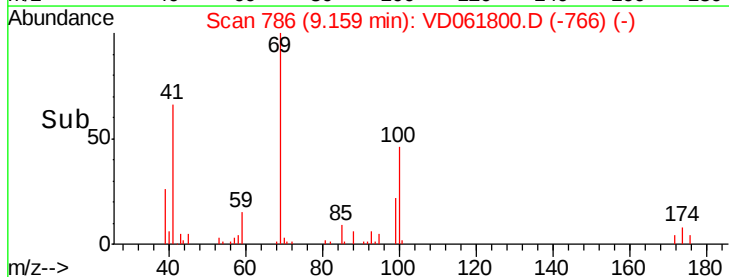
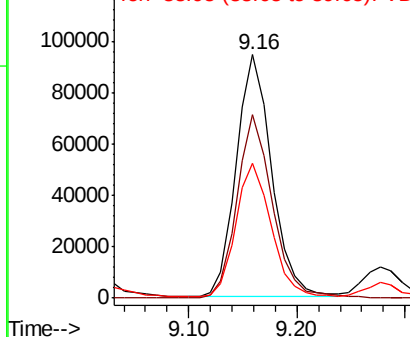
41 100

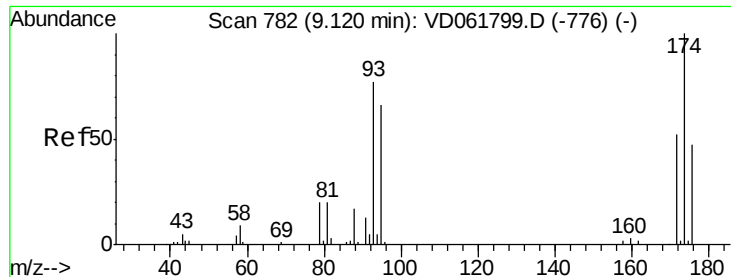
69 75.5 64.2 96.2

39 55.3 46.8 70.2



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

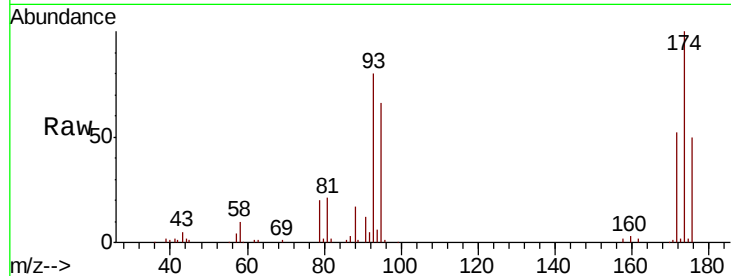




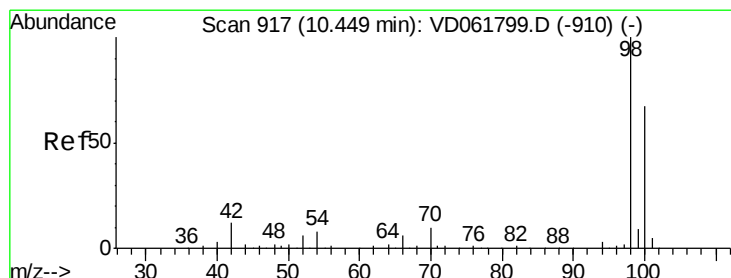
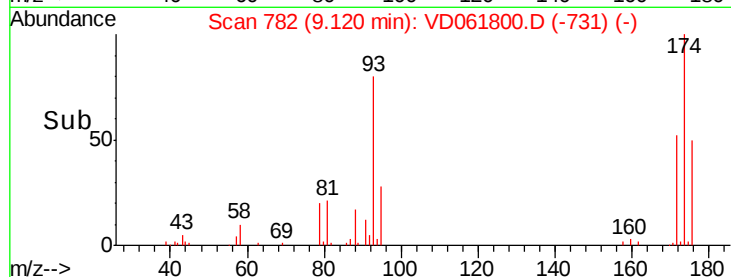
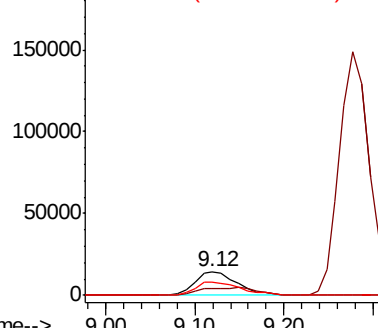
#49  
1,4-Dioxane  
Concen: 1616.197 ug/l  
RT: 9.12 min Scan# 782  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 88 Resp: 48440  
Ion Ratio Lower Upper  
88 100  
43 29.8 23.4 35.0  
58 56.4 44.0 66.0

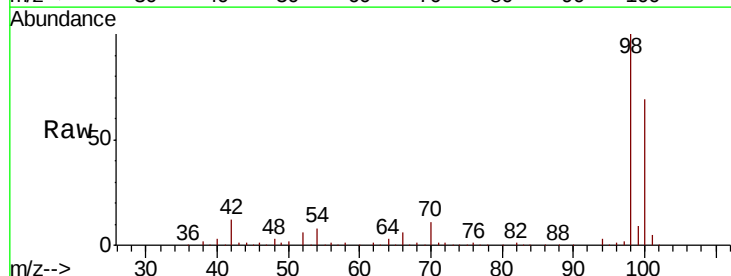


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

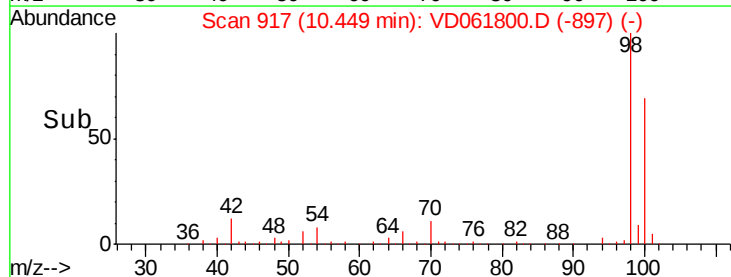
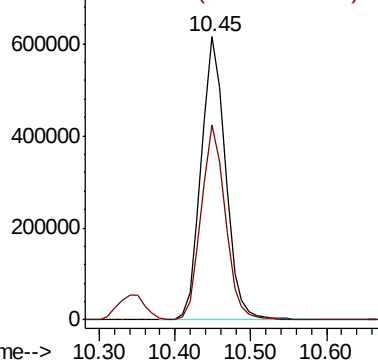


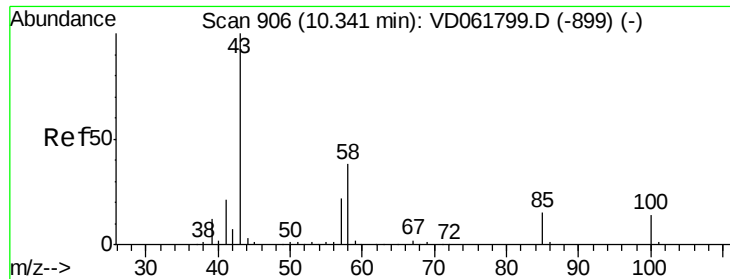
#50  
Toluene-d8  
Concen: 1616.197 ug/l  
RT: 10.45 min Scan# 917  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 98 Resp: 1371661  
Ion Ratio Lower Upper  
98 100  
100 68.7 53.8 80.8



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: 376.941 ug/l

RT: 10.34 min Scan# 906

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

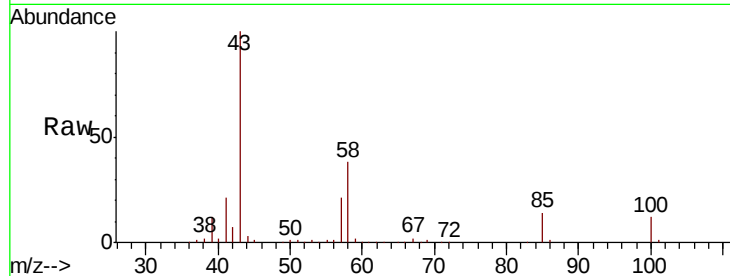
ClientSampled :

Tot Ion: 43 Resp: 1075328

Ion Ratio Lower Upper

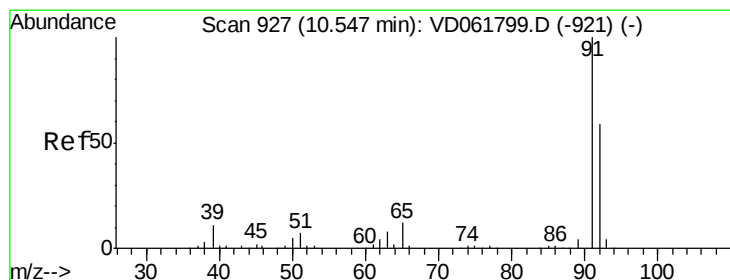
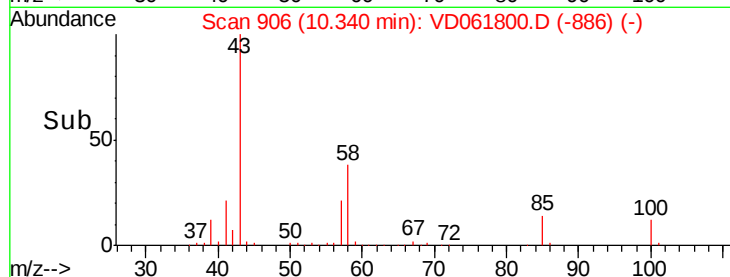
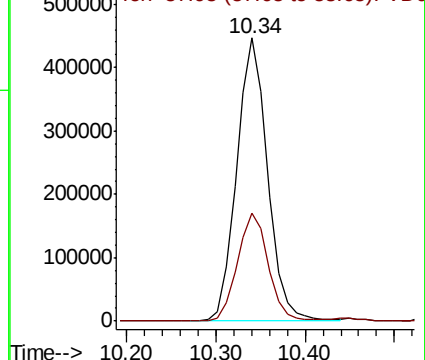
43 100

58 38.0 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 81.266 ug/l

RT: 10.55 min Scan# 927

Delta R.T. -0.00 min

Lab File: VD061800.D

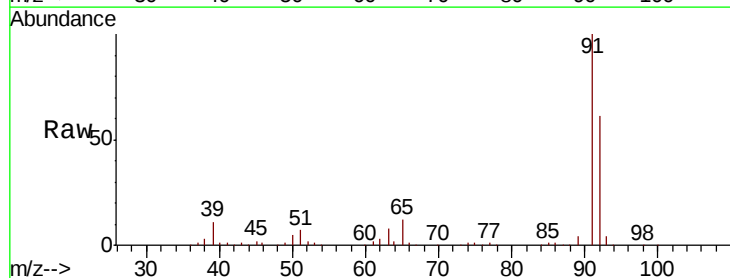
Acq: 15 Apr 2019 14:37

Tgt Ion: 92 Resp: 968387

Ion Ratio Lower Upper

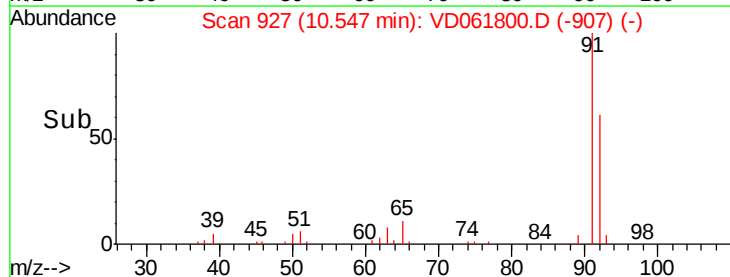
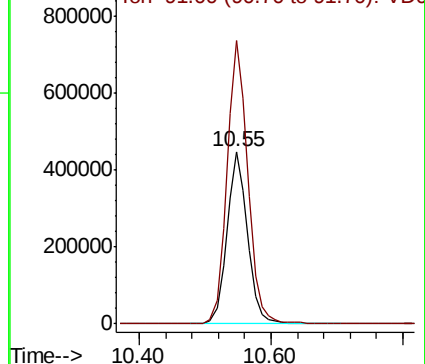
92 100

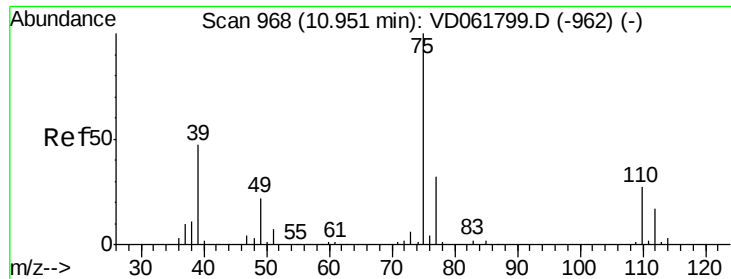
91 164.5 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

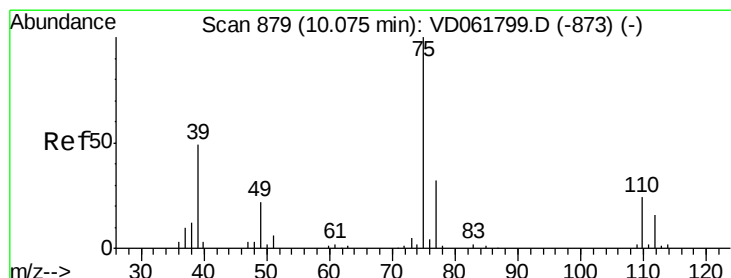
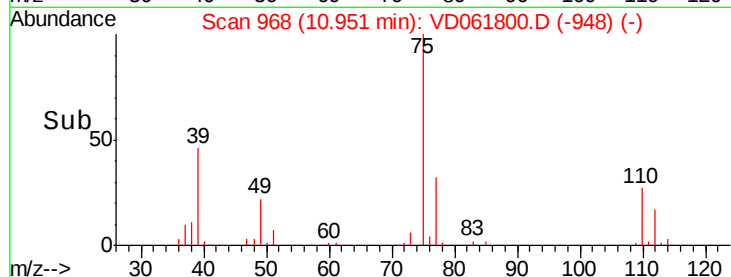
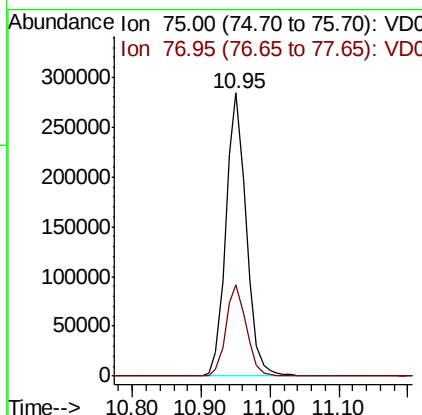
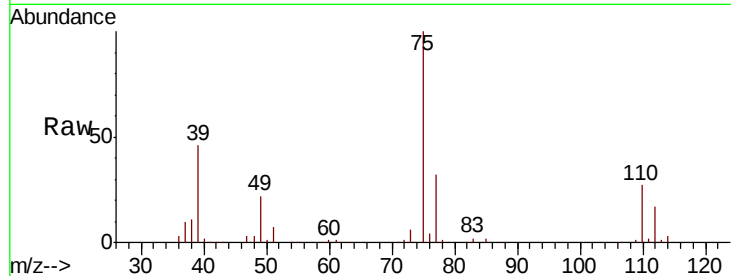




#53  
 t-1,3-Dichloropropene  
 Concen: 80.721 ug/l  
 RT: 10.95 min Scan# 968  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

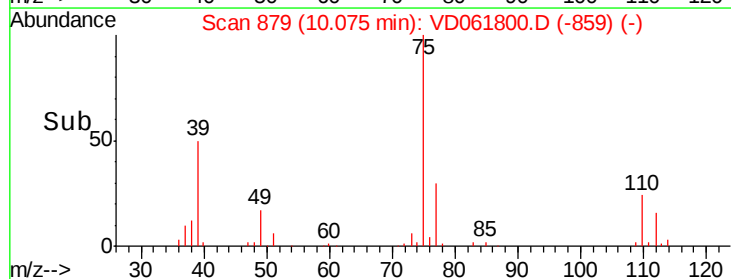
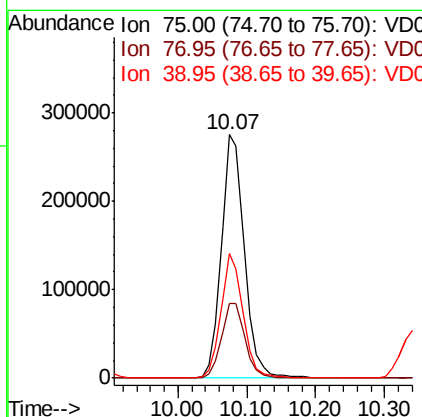
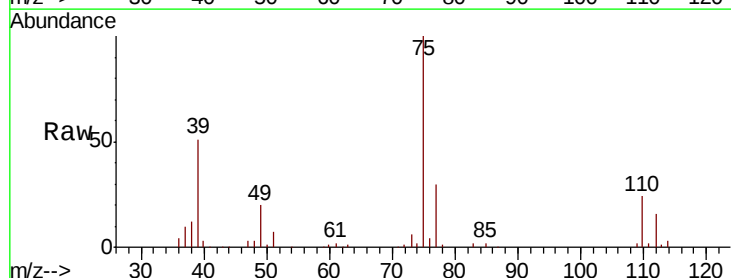
Instrument :  
 MSVOA\_D  
 ClientSampleId :

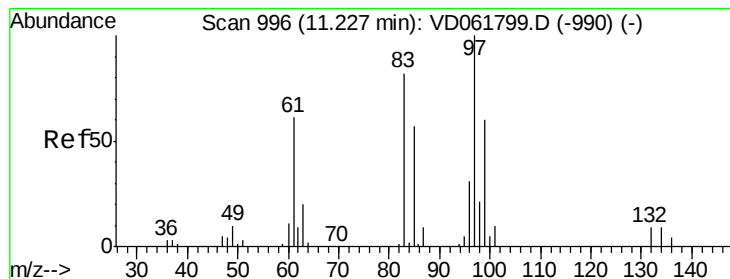
Tot Ion: 75 Resp: 579118  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 25.8 38.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 75.406 ug/l  
 RT: 10.07 min Scan# 879  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Tgt Ion: 75 Resp: 635027  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 25.5 38.3  
 39 51.0 39.4 59.2





#55

1,1,2-Trichloroethane

Concen: 74.391 ug/l

RT: 11.23 min Scan# 996

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 97 Resp: 298704

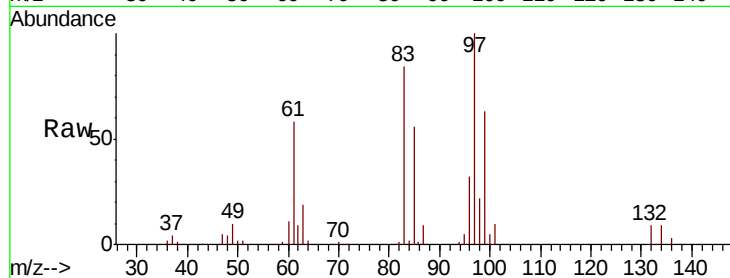
Ion Ratio Lower Upper

97 100

83 83.9 65.7 98.5

85 55.8 45.6 68.4

99 63.4 48.4 72.6

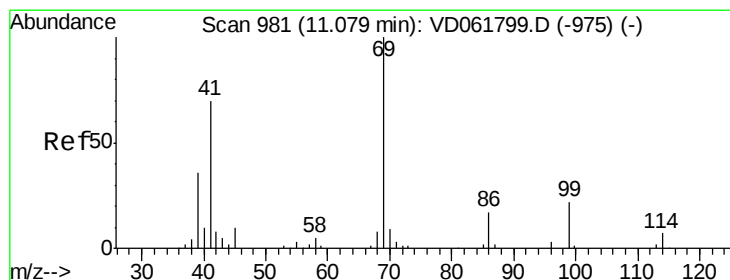
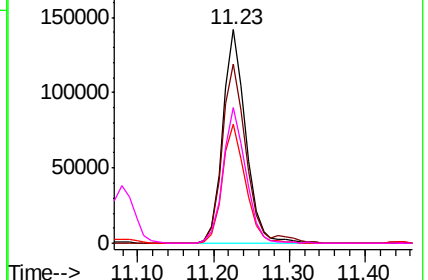
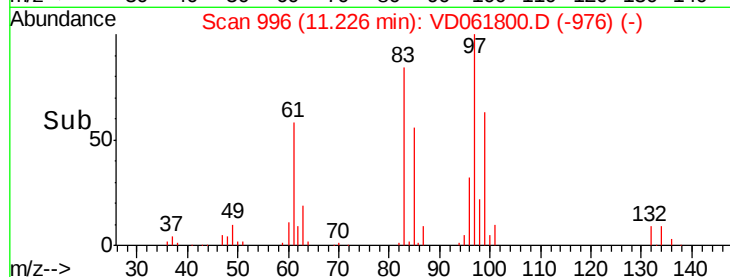


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 82.759 ug/l

RT: 11.08 min Scan# 981

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

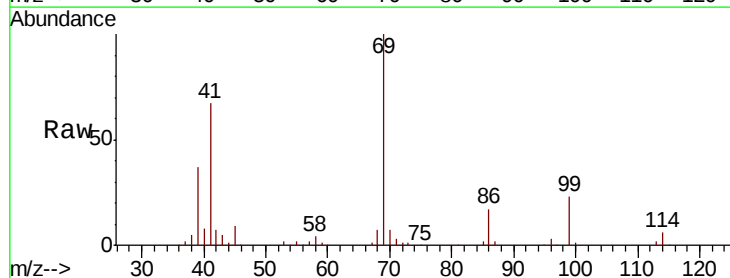
Tgt Ion: 69 Resp: 364716

Ion Ratio Lower Upper

69 100

41 67.0 56.3 84.5

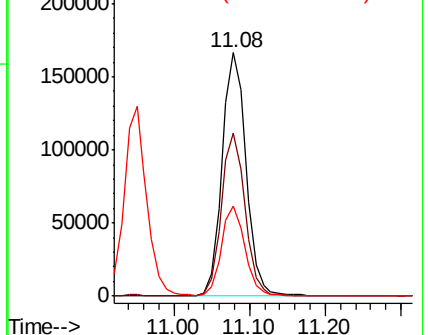
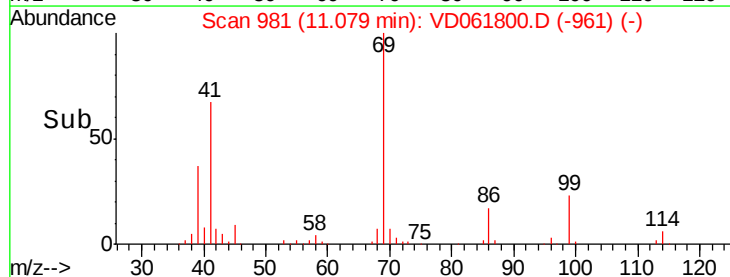
39 37.0 29.4 44.2

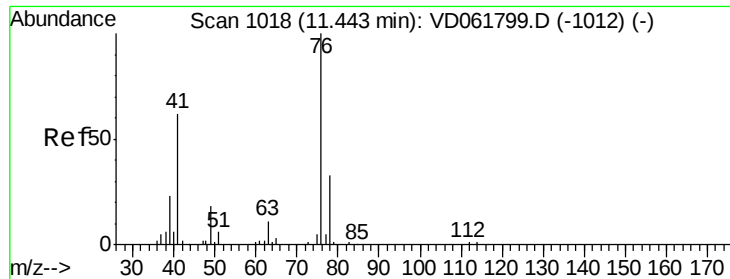


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

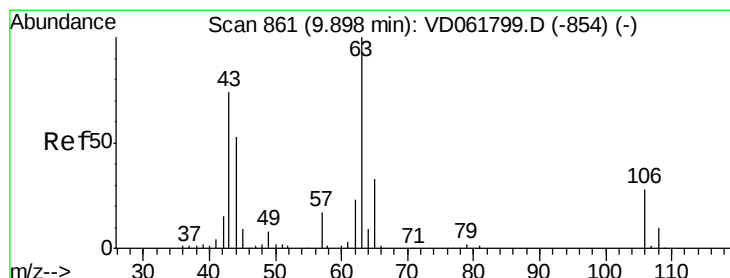
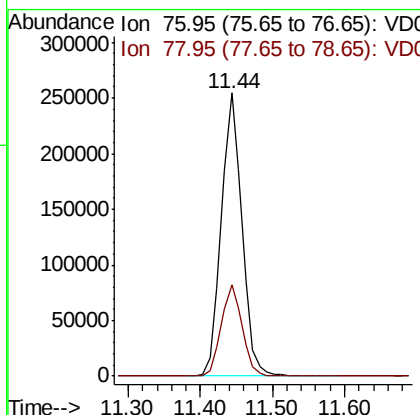
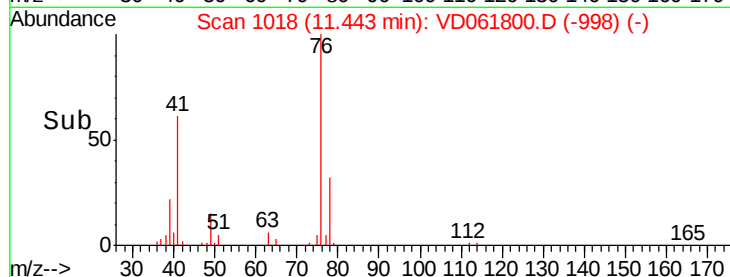
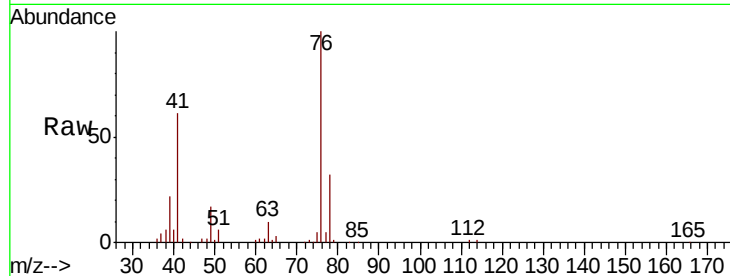




#57  
 1,3-Dichloropropane  
 Concen: 83.246 ug/l  
 RT: 11.44 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

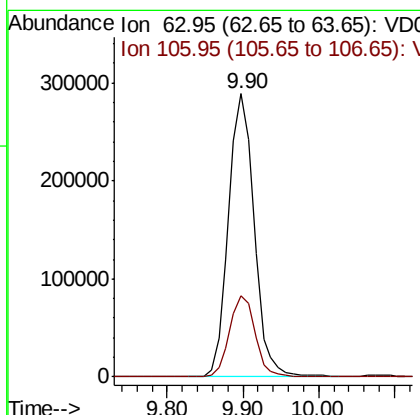
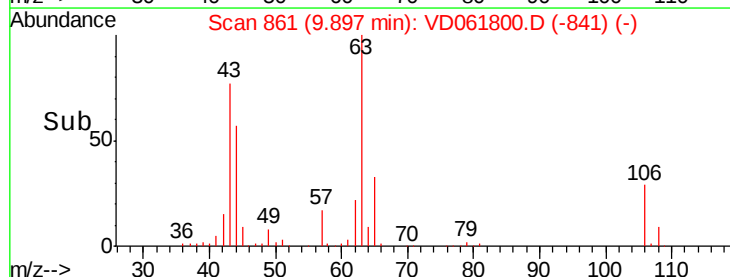
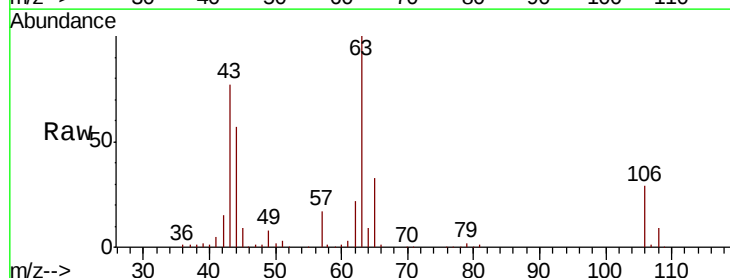
Instrument :  
 MSVOA\_D  
 ClientSampleId :

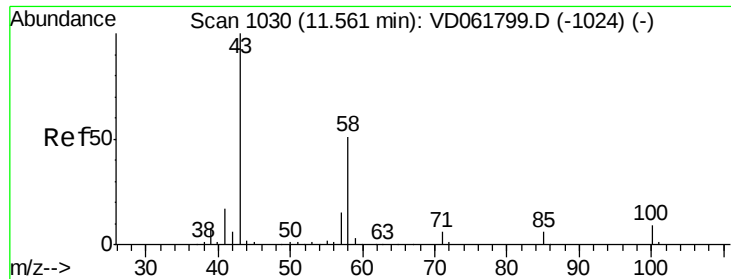
Tot Ion: 76 Resp: 502517  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 26.2 39.2



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 323.448 ug/l  
 RT: 9.90 min Scan# 861  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Tgt Ion: 63 Resp: 677994  
 Ion Ratio Lower Upper  
 63 100  
 106 28.8 22.6 34.0

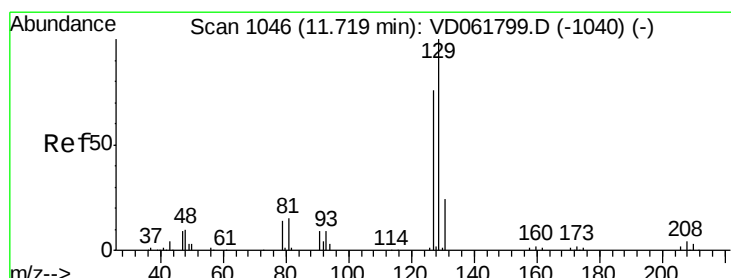
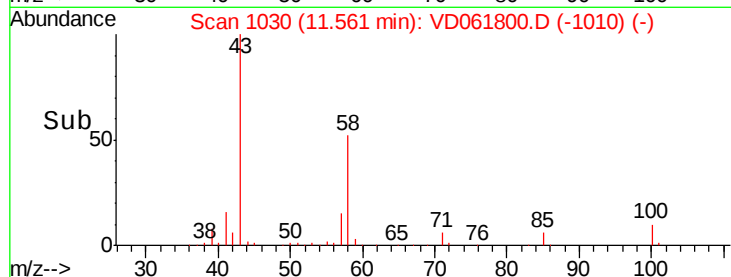
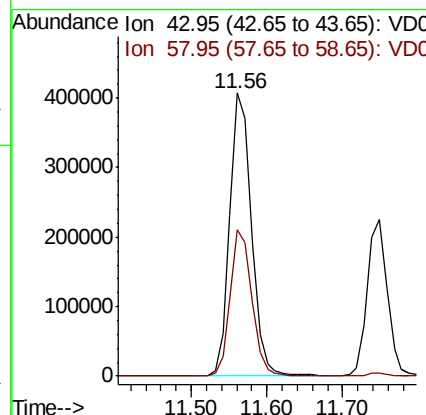
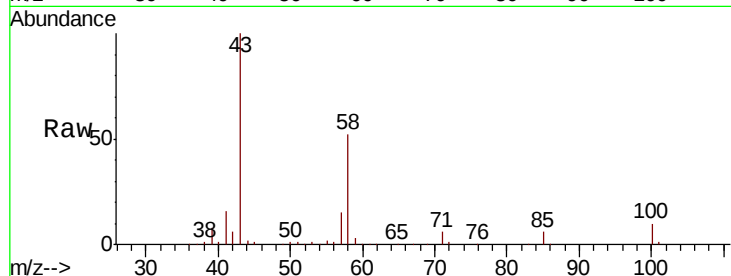




#59  
2-Hexanone  
Concen: 382.553 ug/l  
RT: 11.56 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

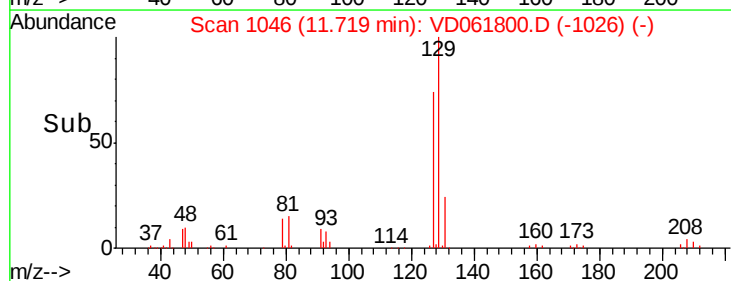
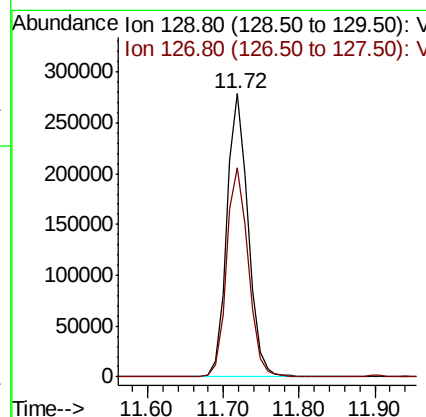
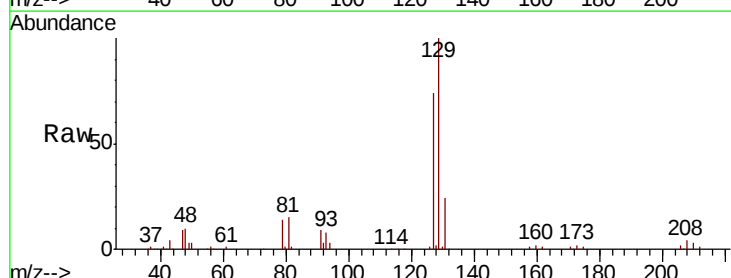
Instrument :  
MSVOA\_D  
ClientSampleId :

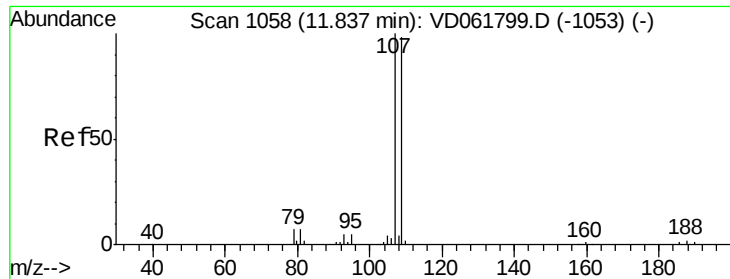
Tot Ion: 43 Resp: 810564  
Ion Ratio Lower Upper  
43 100  
58 51.6 25.4 76.4



#60  
Dibromochloromethane  
Concen: 82.371 ug/l  
RT: 11.72 min Scan# 1046  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 129 Resp: 541180  
Ion Ratio Lower Upper  
129 100  
127 74.0 38.0 113.9

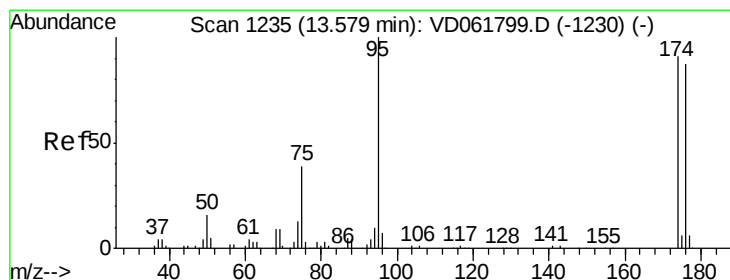
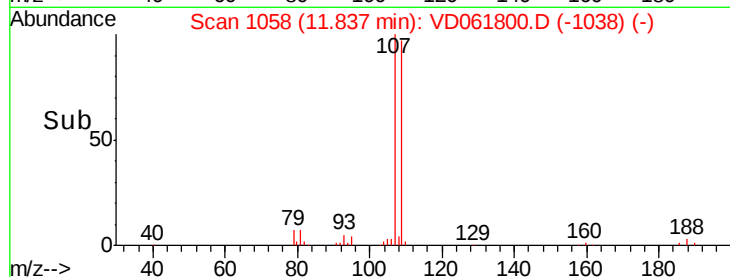
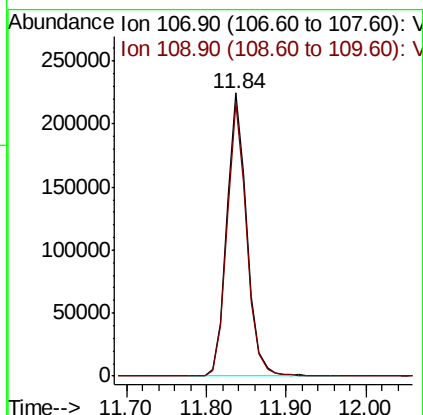
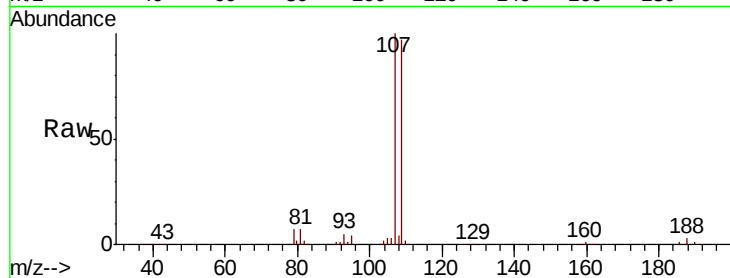




#61  
1,2-Dibromoethane  
Concen: 80.347 ug/l  
RT: 11.84 min Scan# 1058  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

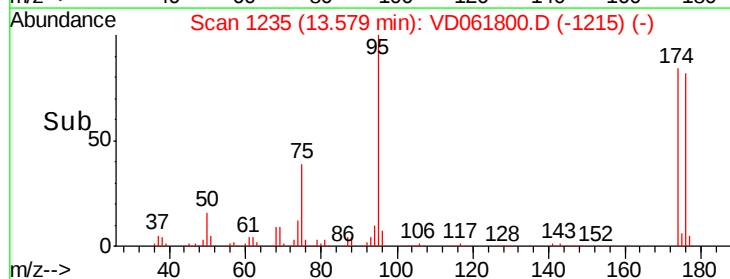
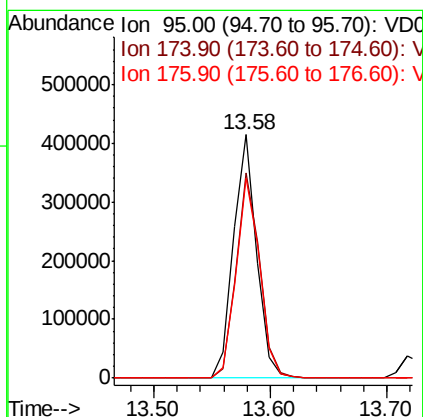
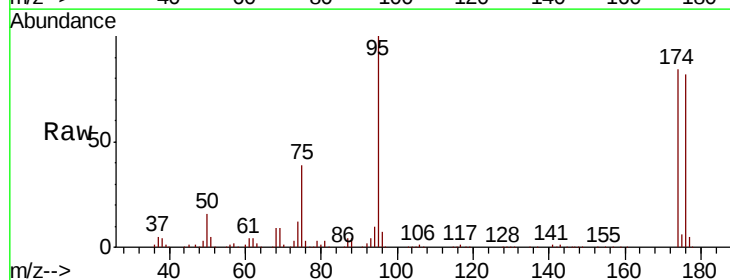
Instrument :  
MSVOA\_D  
ClientSampleId :

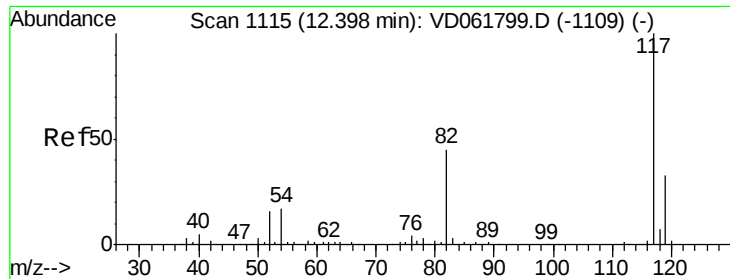
Tot Ion:107 Resp: 396694  
Ion Ratio Lower Upper  
107 100  
109 96.7 78.3 117.5



#62  
4-Bromofluorobenzene  
Concen: 80.347 ug/l  
RT: 13.58 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 95 Resp: 568673  
Ion Ratio Lower Upper  
95 100  
174 84.2 0.0 181.8  
176 82.4 0.0 174.4

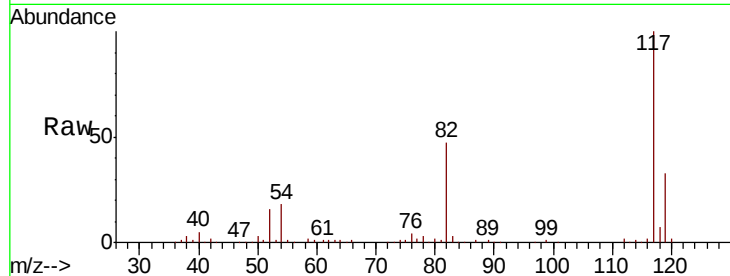




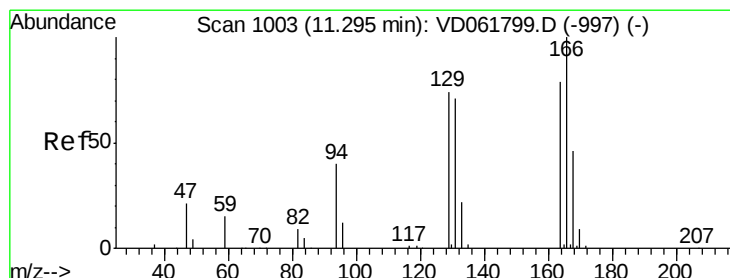
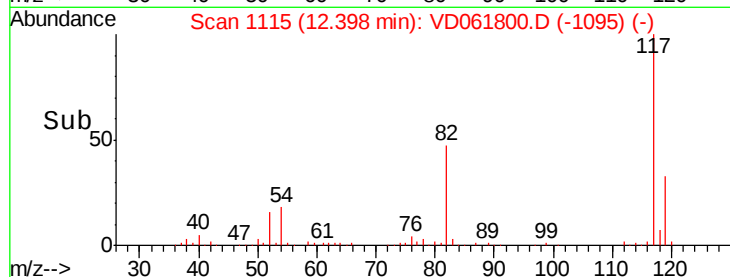
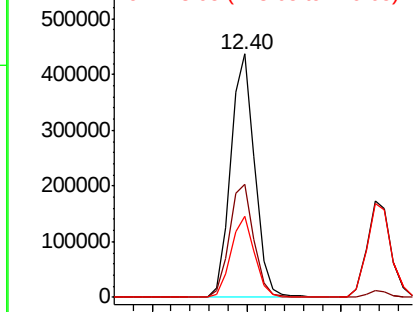
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.40 min Scan# 1115  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:117 Resp: 766911  
Ion Ratio Lower Upper  
117 100  
82 46.7 36.2 54.2  
119 33.1 26.2 39.4

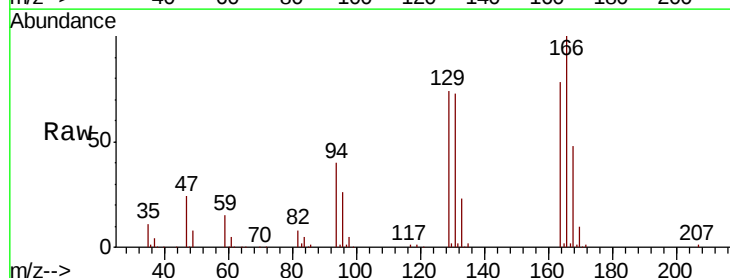


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

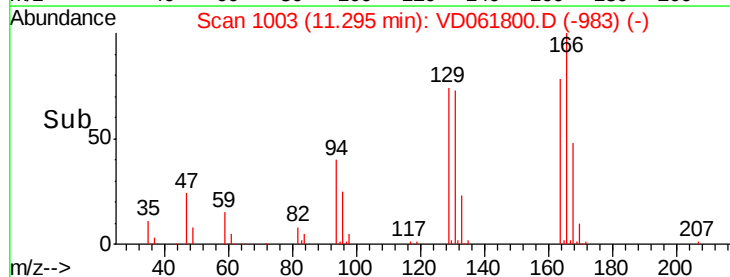
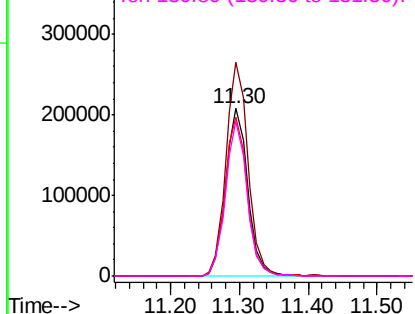


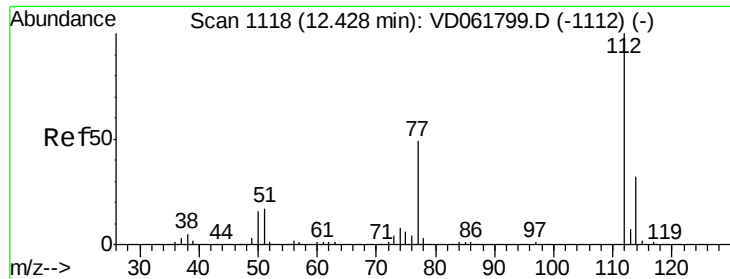
#64  
Tetrachloroethene  
Concen: 80.549 ug/l  
RT: 11.30 min Scan# 1003  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion:164 Resp: 463276  
Ion Ratio Lower Upper  
164 100  
166 127.7 101.5 152.3  
129 95.0 74.6 112.0  
131 92.7 72.6 108.8



Abundance Ion 163.85 (163.55 to 164.55): V  
Ion 165.85 (165.55 to 166.55): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

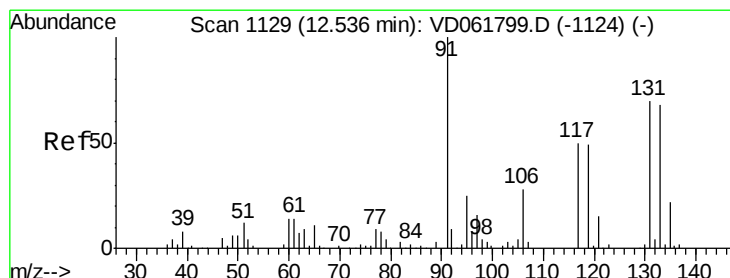
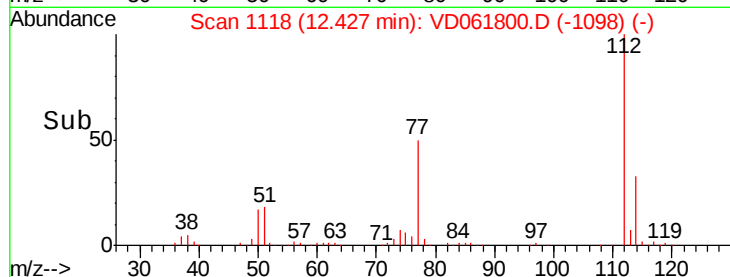
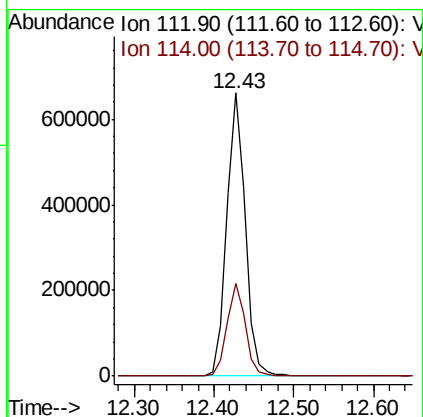
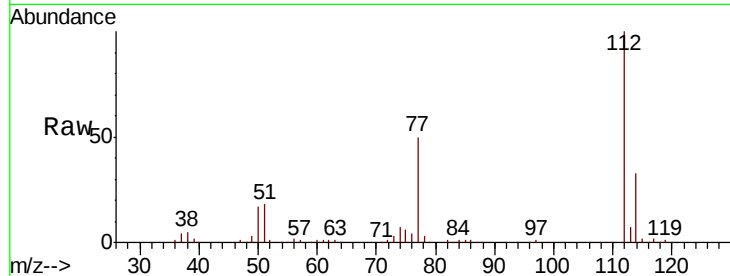




#65  
Chlorobenzene  
Concen: 76.027 ug/l  
RT: 12.43 min Scan# 1118  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

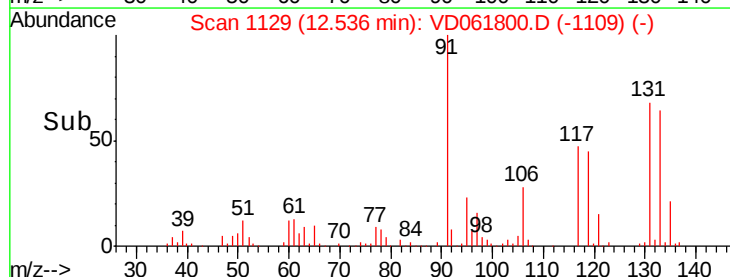
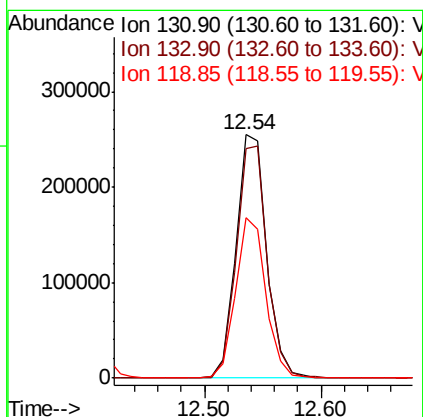
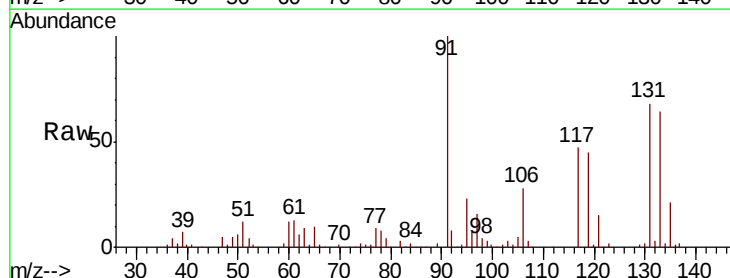
Instrument :  
MSVOA\_D  
ClientSampled :

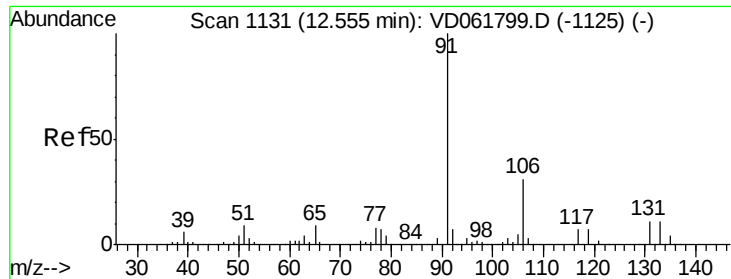
Tot Ion:112 Resp: 1085861  
Ion Ratio Lower Upper  
112 100  
114 32.8 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 77.115 ug/l  
RT: 12.54 min Scan# 1129  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion:131 Resp: 461561  
Ion Ratio Lower Upper  
131 100  
133 94.3 48.6 145.8  
119 66.0 34.7 104.1

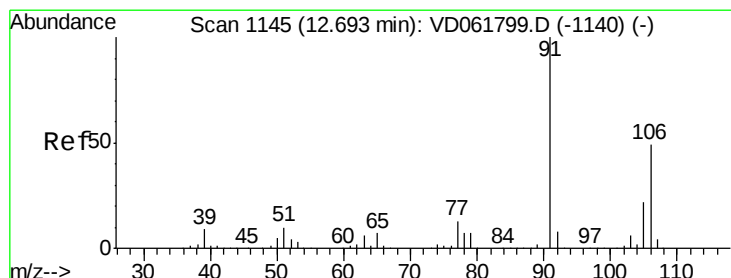
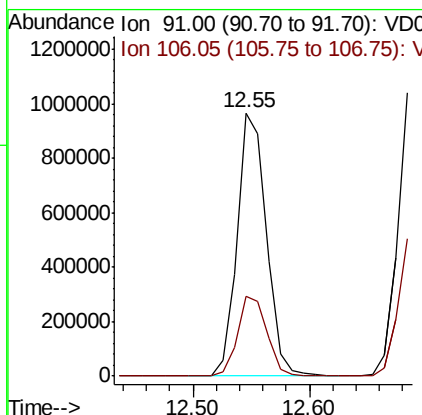
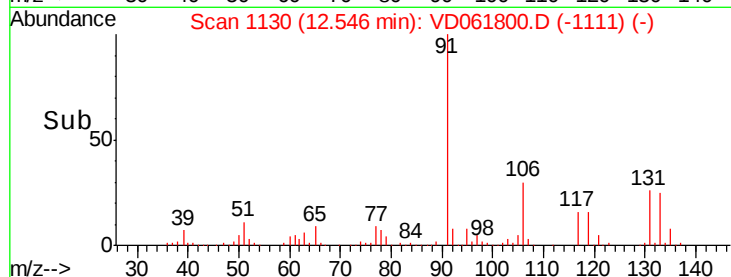
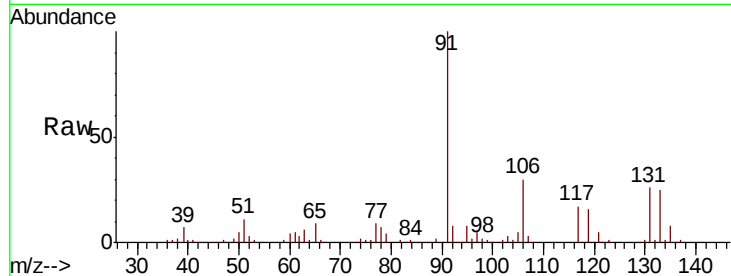




#67  
Ethyl Benzene  
Concen: 73.198 ug/l  
RT: 12.55 min Scan# 1130  
Delta R.T. -0.01 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

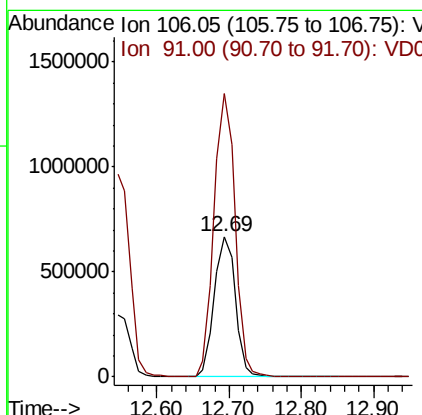
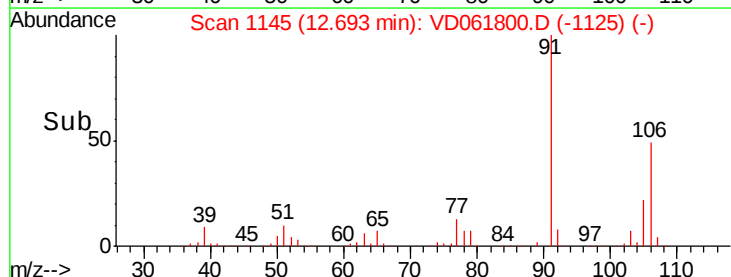
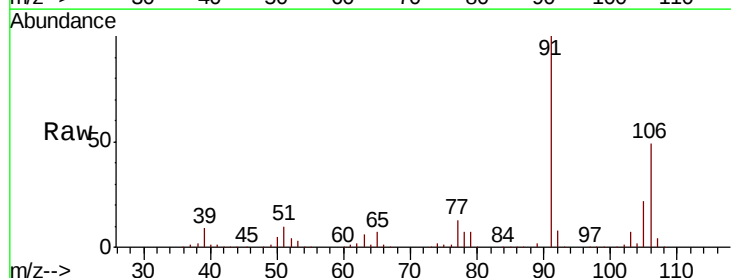
Instrument :  
MSVOA\_D  
ClientSampled :

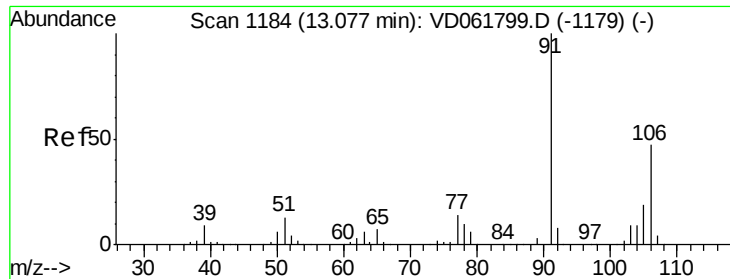
Tot Ion: 91 Resp: 1674228  
Ion Ratio Lower Upper  
91 100  
106 30.3 24.7 37.1



#68  
m/p-Xylenes  
Concen: 156.649 ug/l  
RT: 12.69 min Scan# 1145  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion:106 Resp: 1345863  
Ion Ratio Lower Upper  
106 100  
91 202.0 164.0 246.0

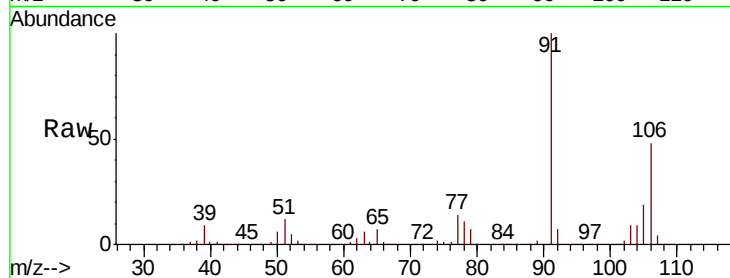




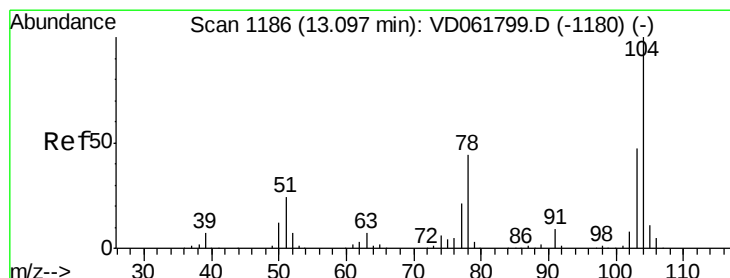
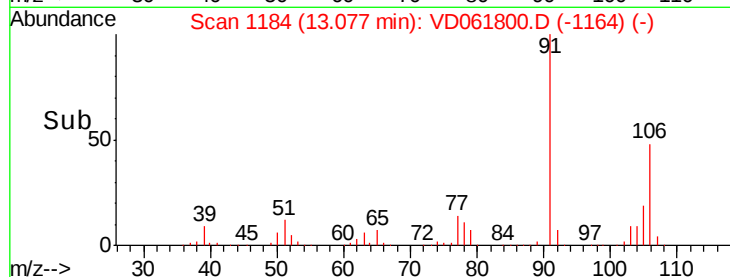
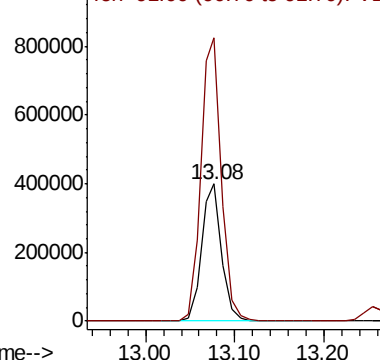
#69  
o-Xylene  
Concen: 78.242 ug/l  
RT: 13.08 min Scan# 1184  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:106 Resp: 631839  
Ion Ratio Lower Upper  
106 100  
91 206.6 106.7 319.9

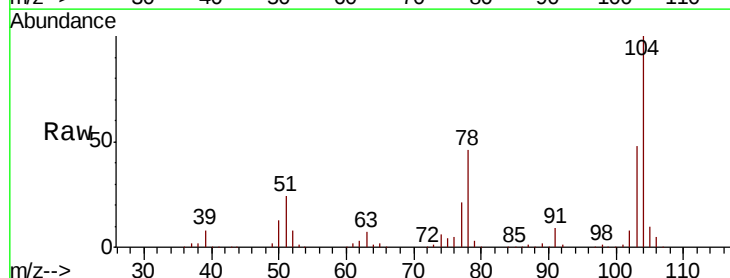


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

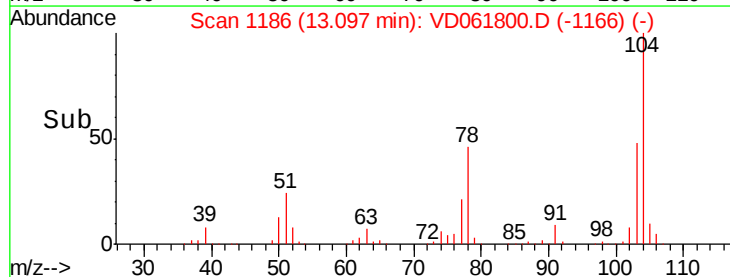
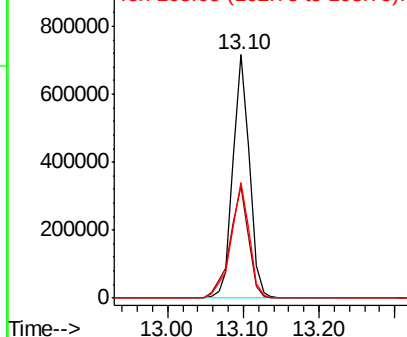


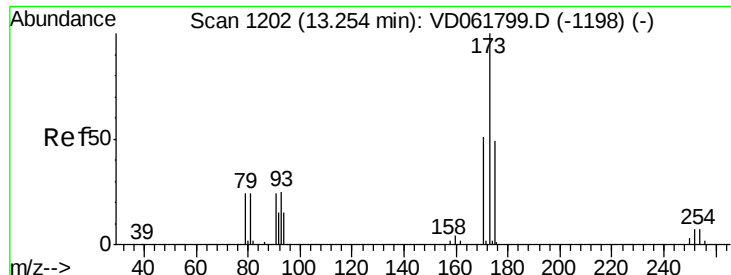
#70  
Styrene  
Concen: 76.567 ug/l  
RT: 13.10 min Scan# 1186  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion:104 Resp: 1064024  
Ion Ratio Lower Upper  
104 100  
78 45.9 35.4 53.2  
103 47.7 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V  
Ion 77.95 (77.65 to 78.65): V  
Ion 103.05 (102.75 to 103.75): V

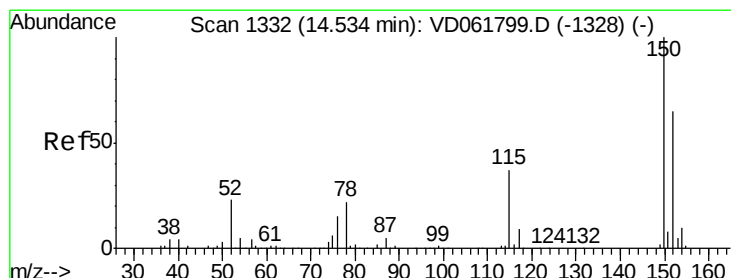
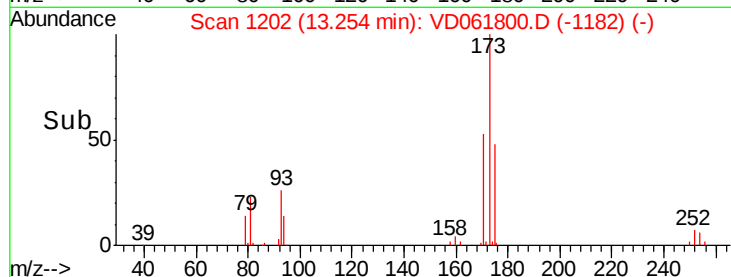
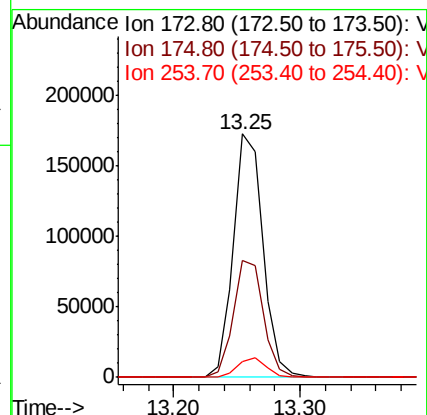
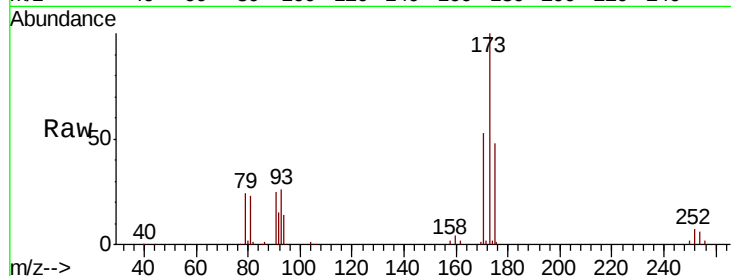




#71  
Bromoform  
Concen: 78.339 ug/l  
RT: 13.25 min Scan# 1202  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

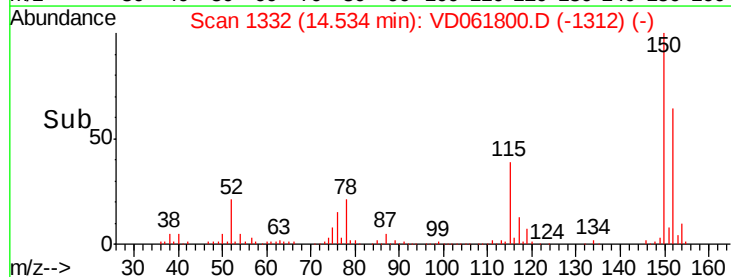
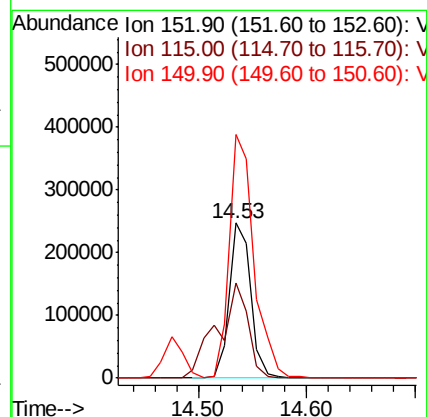
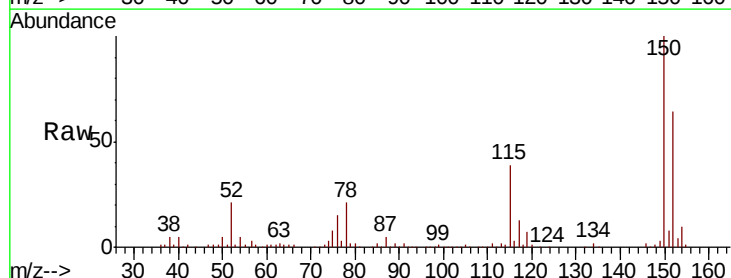
Instrument :  
MSVOA\_D  
ClientSampled :

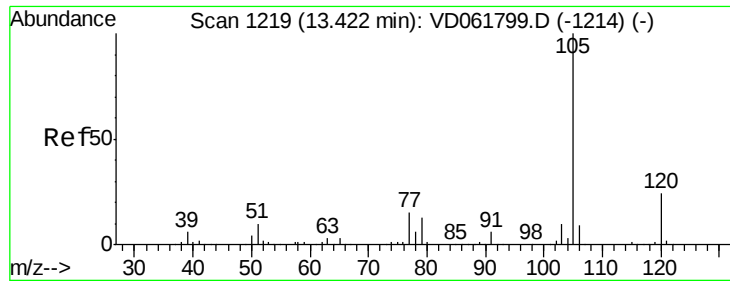
Tot Ion:173 Resp: 278319  
Ion Ratio Lower Upper  
173 100  
175 48.2 24.4 73.4  
254 6.4 5.4 8.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 14.53 min Scan# 1332  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion:152 Resp: 339043  
Ion Ratio Lower Upper  
152 100  
115 61.3 30.9 92.7  
150 157.1 0.0 314.8





#73

Isopropylbenzene

Concen: 78.036 ug/l

RT: 13.43 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

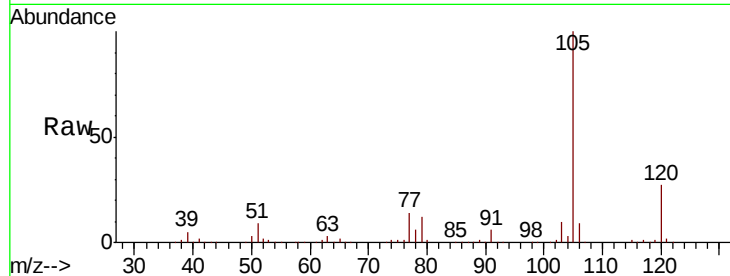
ClientSampled :

Tot Ion:105 Resp: 1715856

Ion Ratio Lower Upper

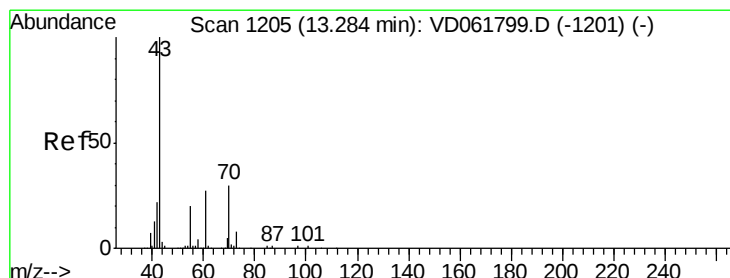
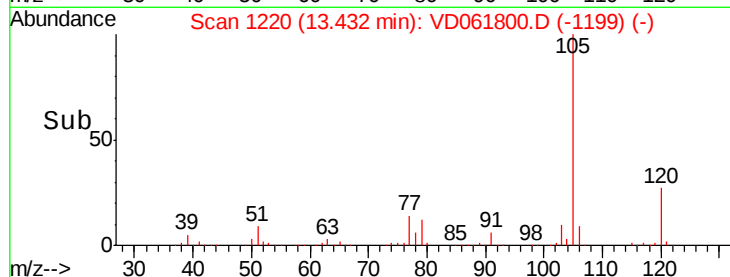
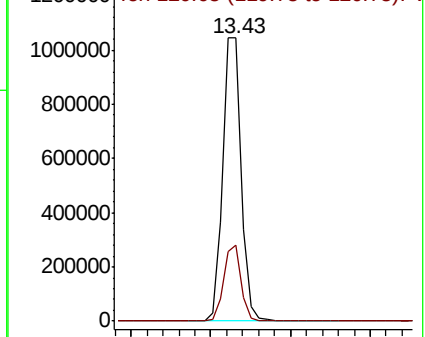
105 100

120 26.7 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 81.769 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Tgt Ion: 43 Resp: 483474

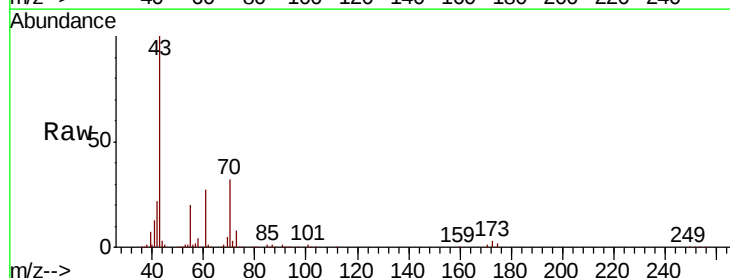
Ion Ratio Lower Upper

43 100

70 32.0 24.2 36.4

55 19.9 16.0 24.0

61 26.6 21.6 32.4

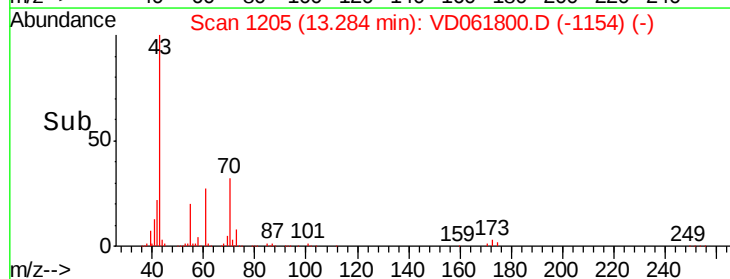
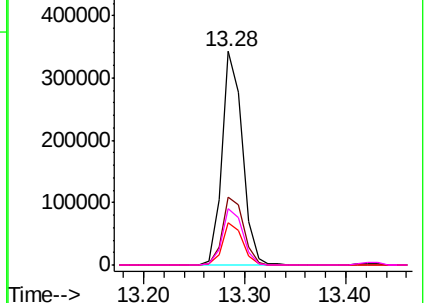


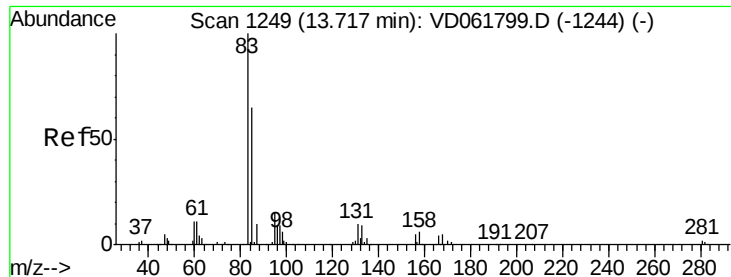
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 80.464 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

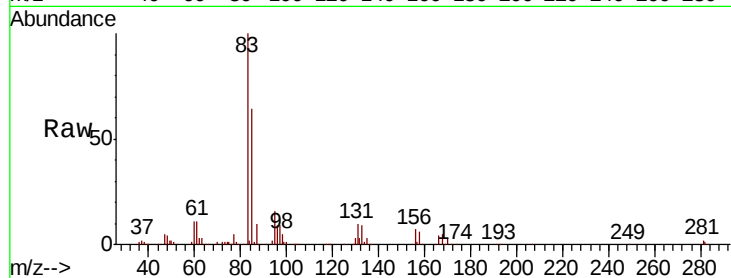
Tot Ion: 83 Resp: 349721

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 9.8   | 5.0   | 14.9  |
| 85  | 63.9  | 32.6  | 97.7  |

83 100

131 9.8 5.0 14.9

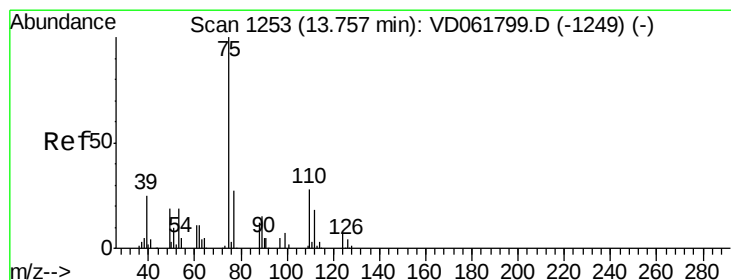
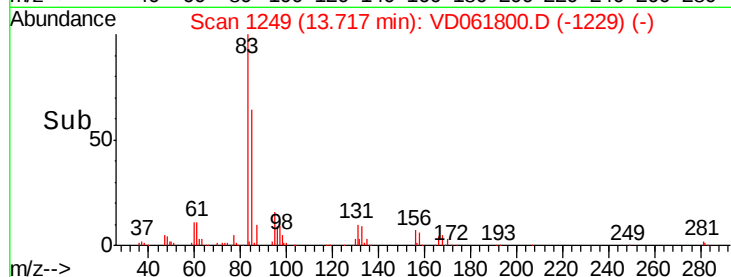
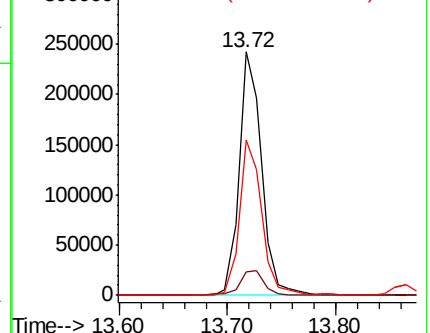
85 63.9 32.6 97.7



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: 82.195 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061800.D

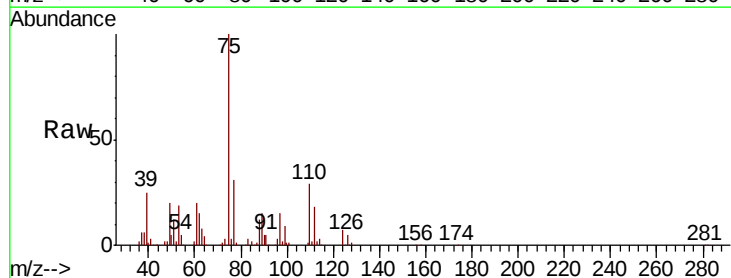
Acq: 15 Apr 2019 14:37

Tgt Ion: 75 Resp: 365976

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 31.1  | 16.4  | 49.4  |

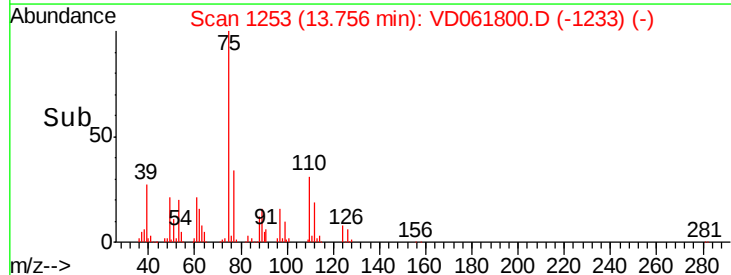
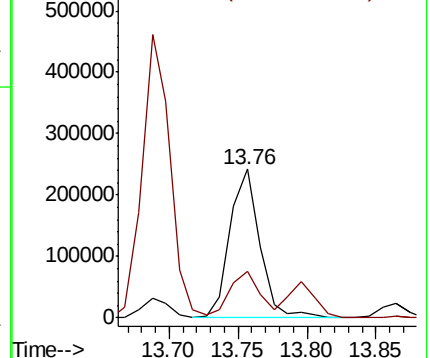
75 100

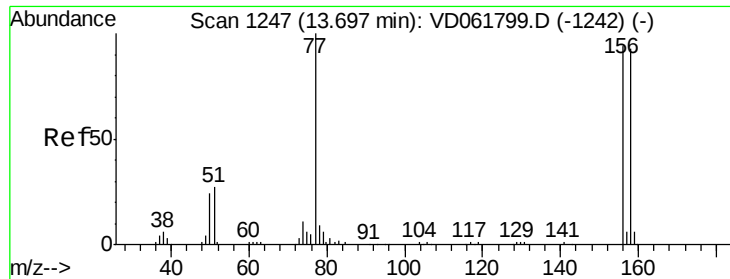
77 31.1 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 85.019 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampleId :

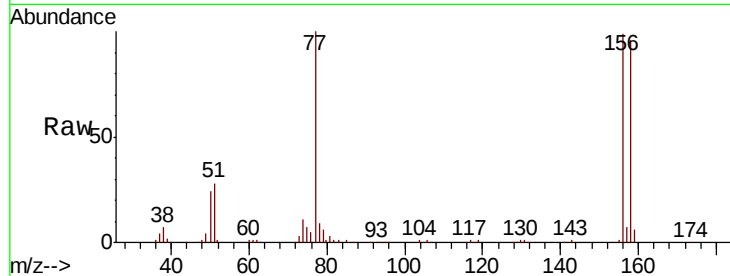
Tot Ion:156 Resp: 531029

Ion Ratio Lower Upper

156 100

77 101.0 53.1 159.4

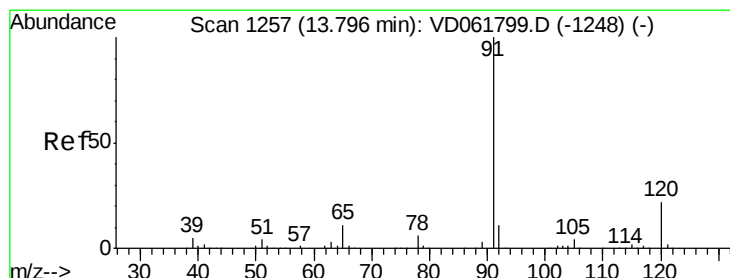
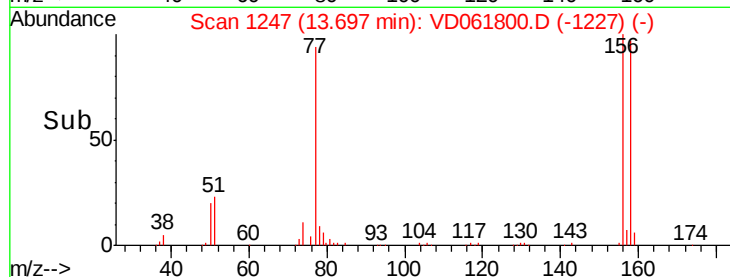
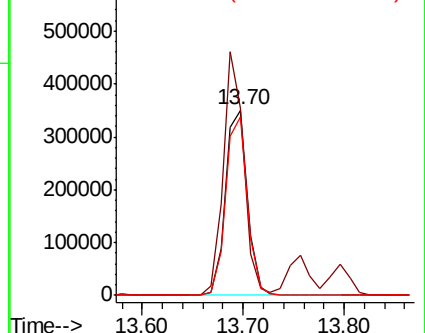
158 96.7 49.4 148.0



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: 82.962 ug/l

RT: 13.80 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VD061800.D

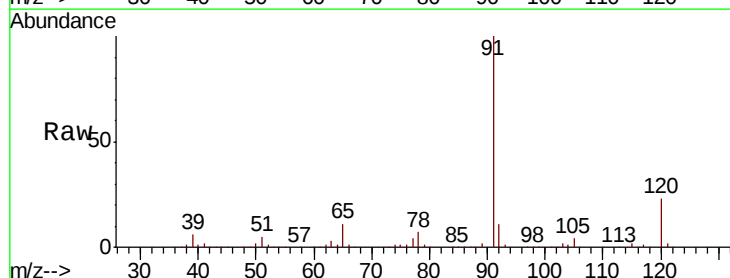
Acq: 15 Apr 2019 14:37

Tgt Ion: 91 Resp: 2107561

Ion Ratio Lower Upper

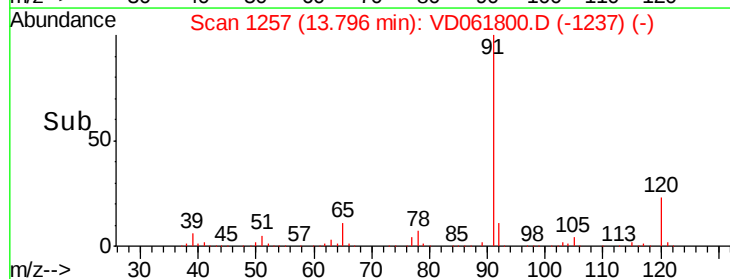
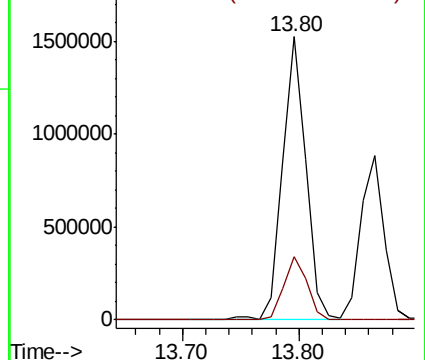
91 100

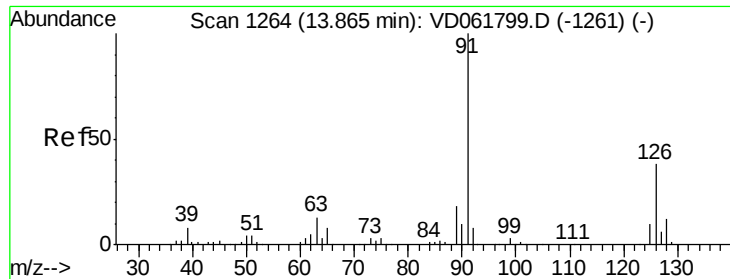
120 22.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

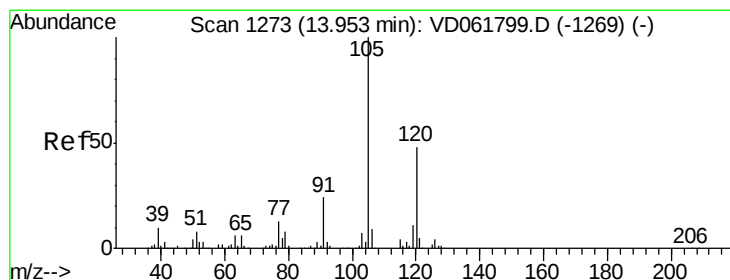
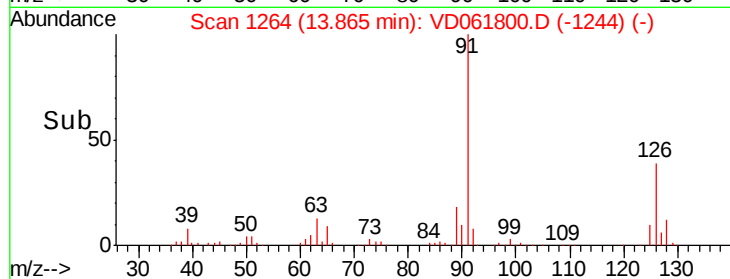
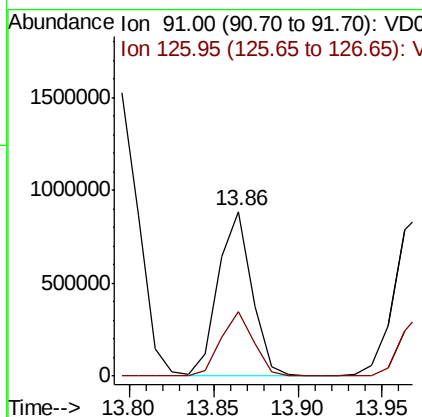
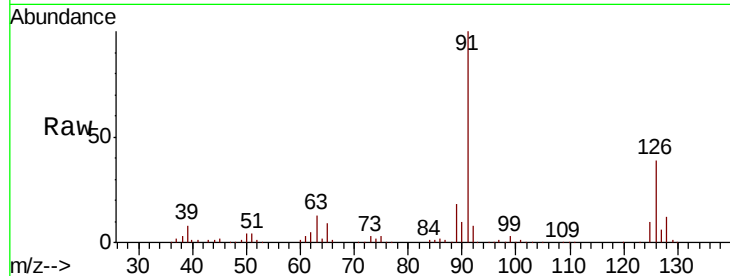




#79  
 2-Chlorotoluene  
 Concen: 83.668 ug/l  
 RT: 13.86 min Scan# 1264  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

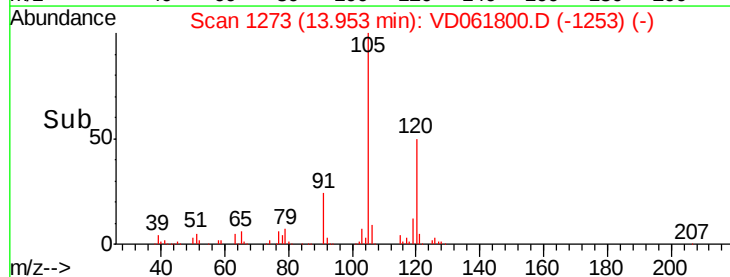
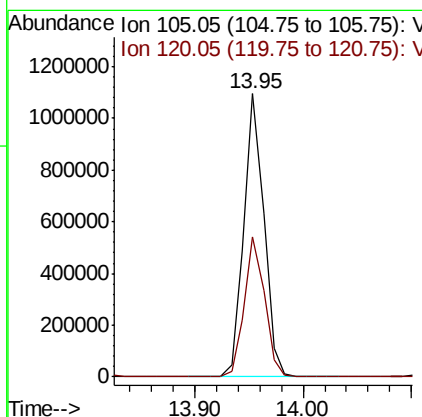
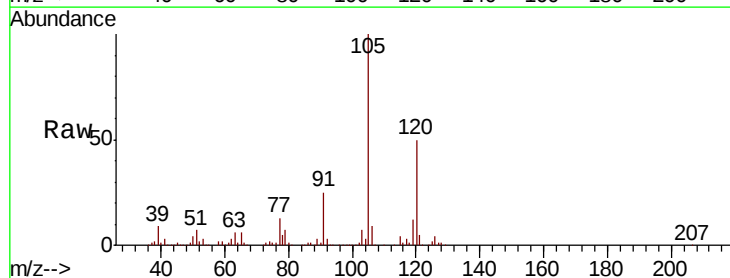
Instrument :  
 MSVOA\_D  
 ClientSampleId :

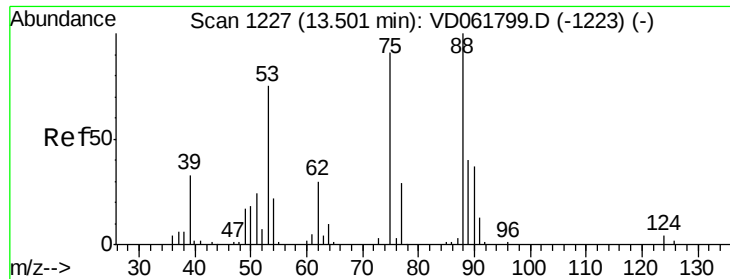
Tot Ion: 91 Resp: 1234338  
 Ion Ratio Lower Upper  
 91 100  
 126 39.0 18.6 55.8



#80  
 1,3,5-Trimethylbenzene  
 Concen: 81.047 ug/l  
 RT: 13.95 min Scan# 1273  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Tgt Ion:105 Resp: 1413995  
 Ion Ratio Lower Upper  
 105 100  
 120 49.6 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 91.862 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

ClientSampled :

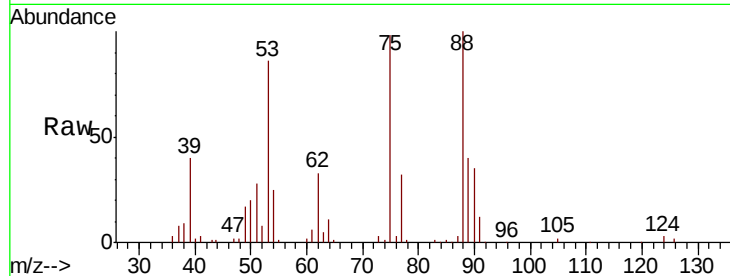
Tot Ion: 75 Resp: 116516

Ion Ratio Lower Upper

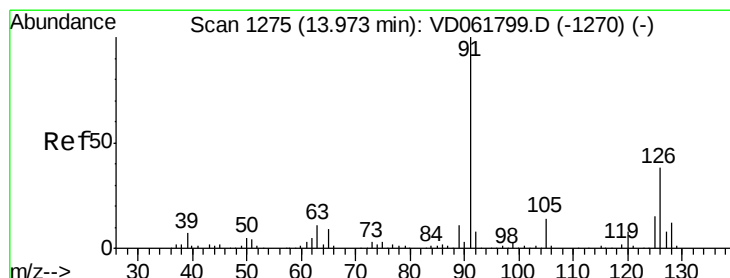
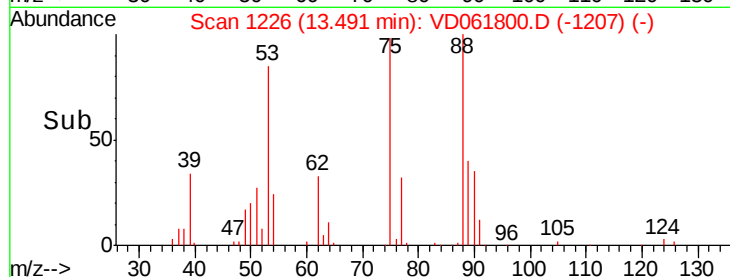
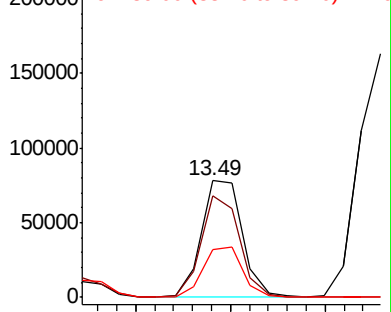
75 100

53 87.6 65.8 98.8

89 40.9 35.0 52.6



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: 80.529 ug/l

RT: 13.97 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VD061800.D

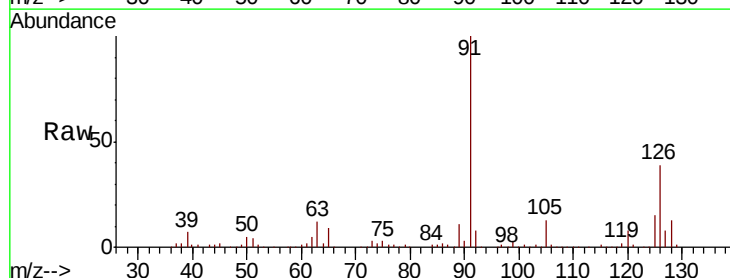
Acq: 15 Apr 2019 14:37

Tgt Ion: 91 Resp: 1367899

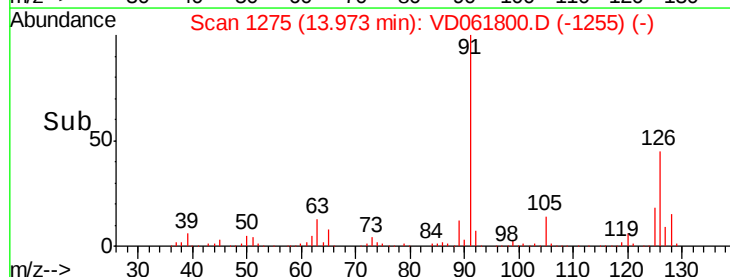
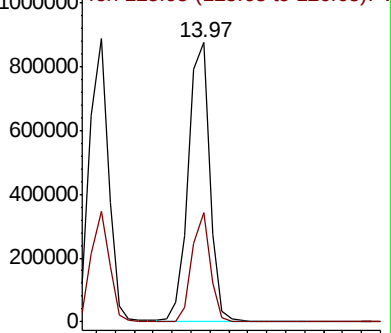
Ion Ratio Lower Upper

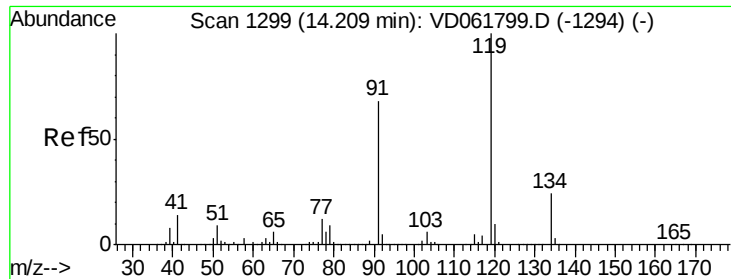
91 100

126 38.9 19.1 57.5



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

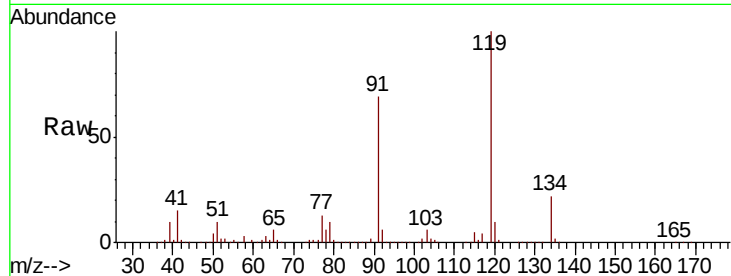




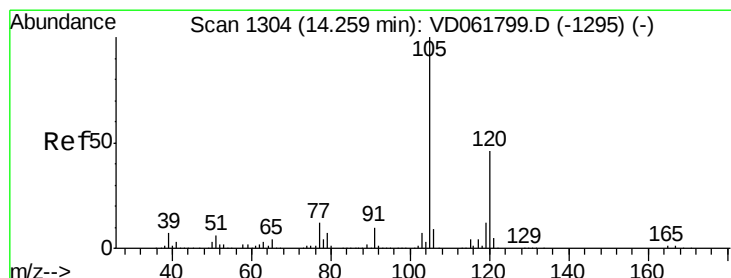
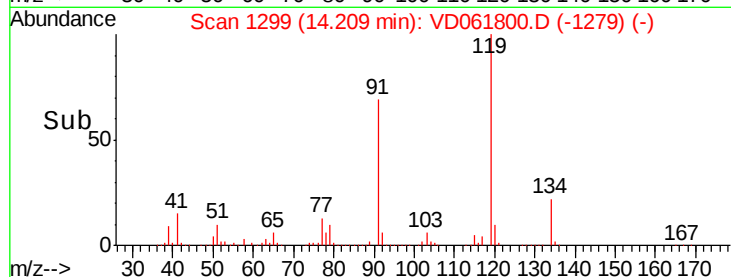
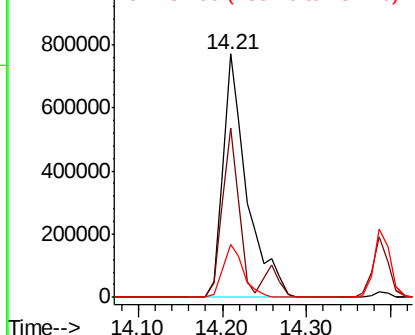
#83  
tert-Butylbenzene  
Concen: 74.351 ug/l  
RT: 14.21 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:119 Resp: 1523128  
Ion Ratio Lower Upper  
119 100  
91 69.3 34.2 102.6  
134 21.9 12.0 36.0

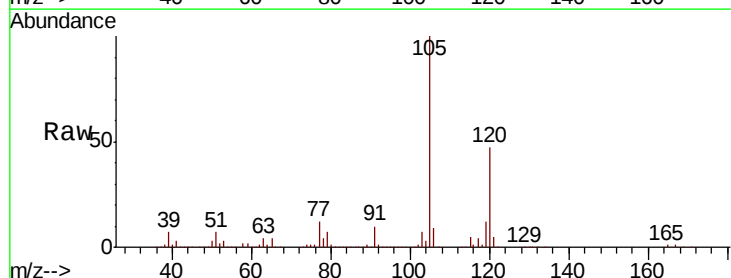


Abundance Ion 119.05 (118.75 to 119.75): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

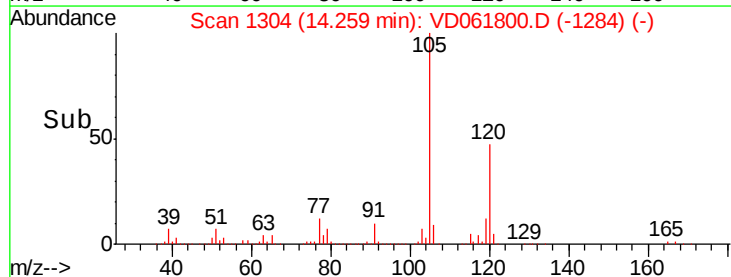
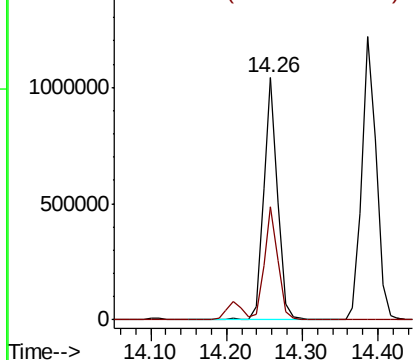


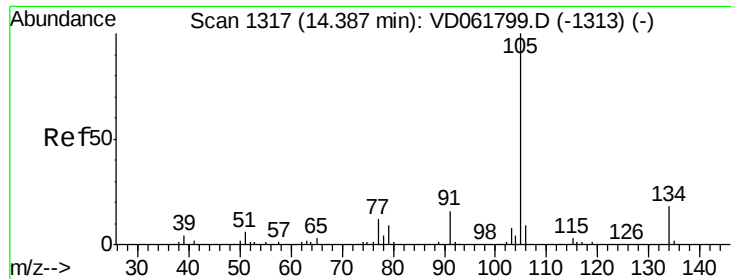
#84  
1,2,4-Trimethylbenzene  
Concen: 76.266 ug/l  
RT: 14.26 min Scan# 1304  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion:105 Resp: 1337501  
Ion Ratio Lower Upper  
105 100  
120 46.5 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V  
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 74.875 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

Instrument :

MSVOA\_D

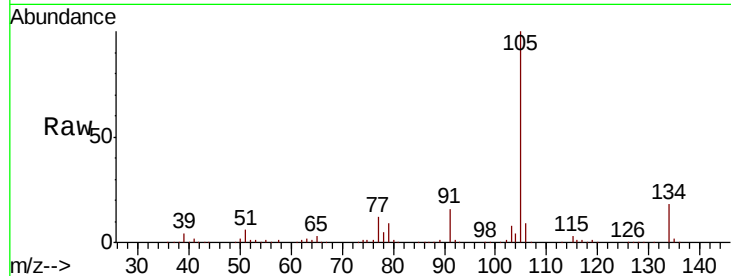
ClientSampleId :

Tot Ion:105 Resp: 1585661

Ion Ratio Lower Upper

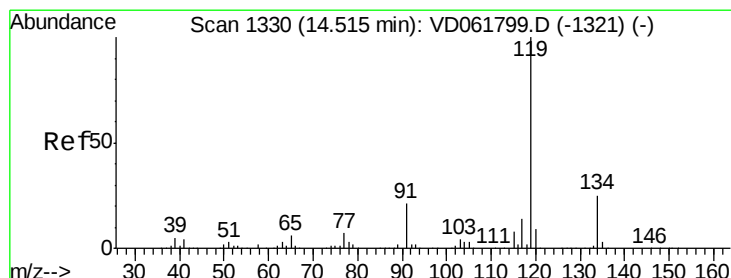
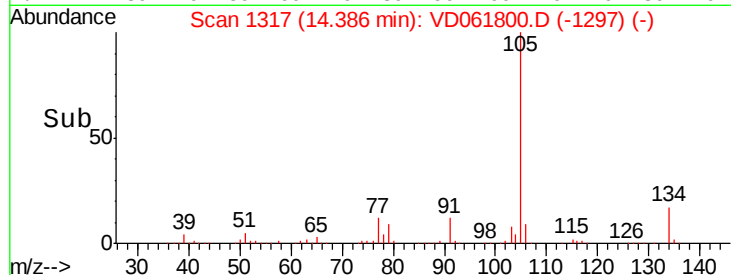
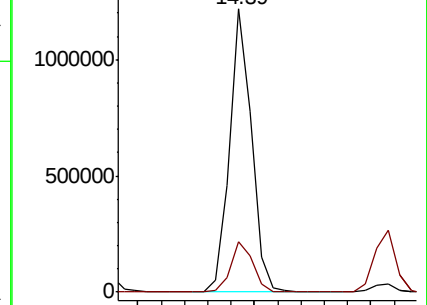
105 100

134 17.7 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 70.821 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061800.D

Acq: 15 Apr 2019 14:37

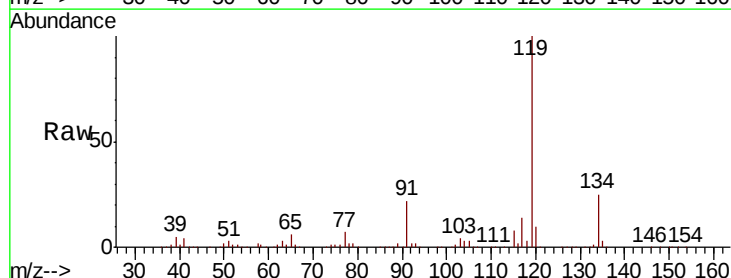
Tgt Ion:119 Resp: 1403285

Ion Ratio Lower Upper

119 100

134 25.1 12.8 38.3

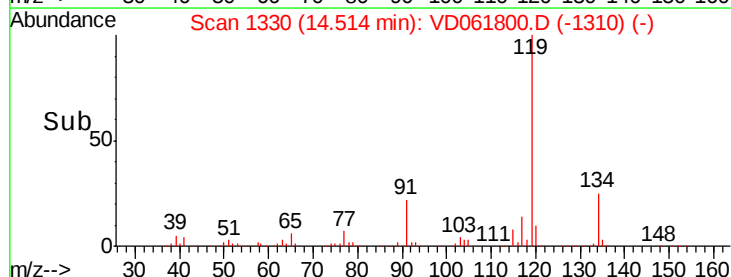
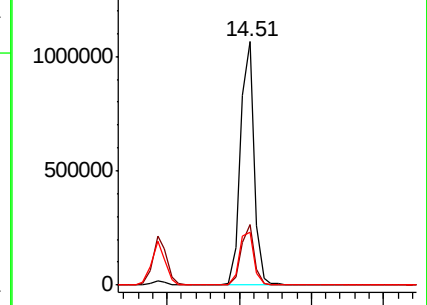
91 21.9 10.7 32.1

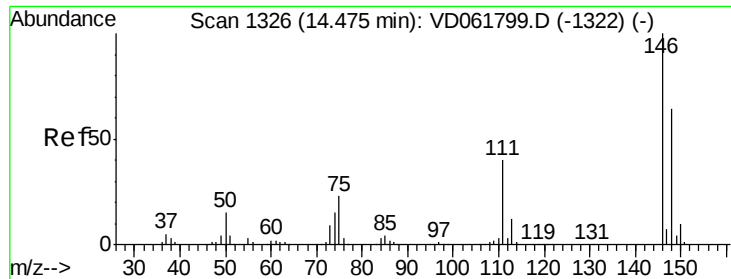


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

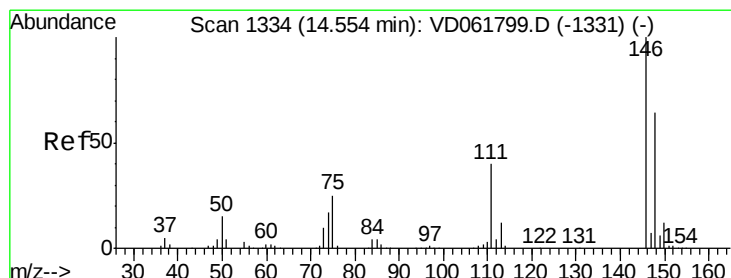
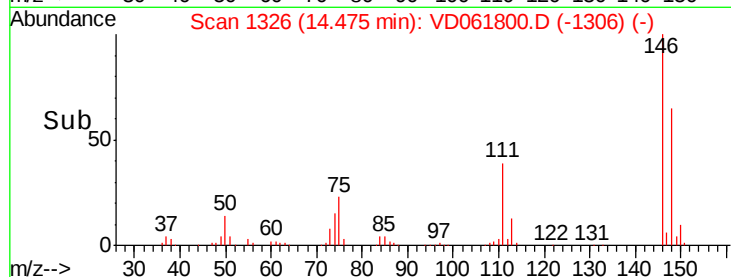
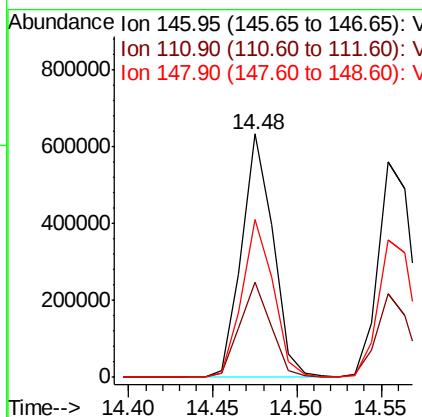
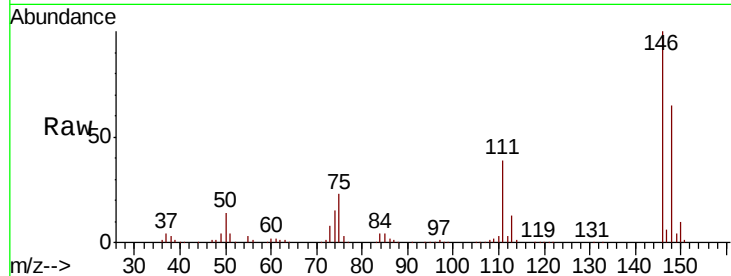




#87  
 1,3-Dichlorobenzene  
 Concen: 75.405 ug/l  
 RT: 14.48 min Scan# 1326  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

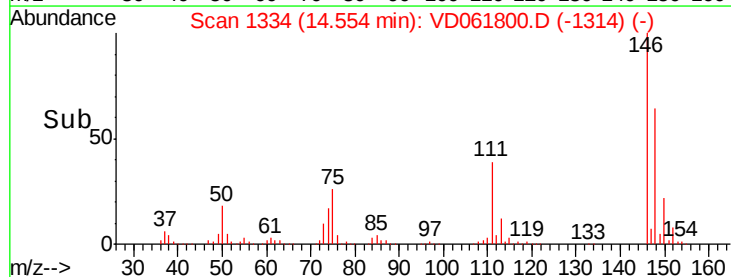
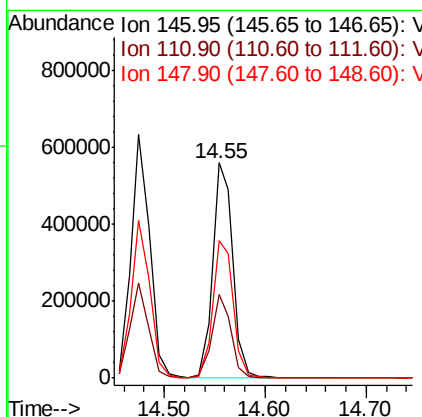
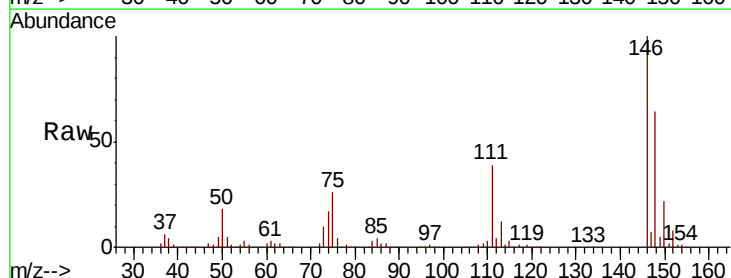
Instrument :  
 MSVOA\_D  
 ClientSampleId :

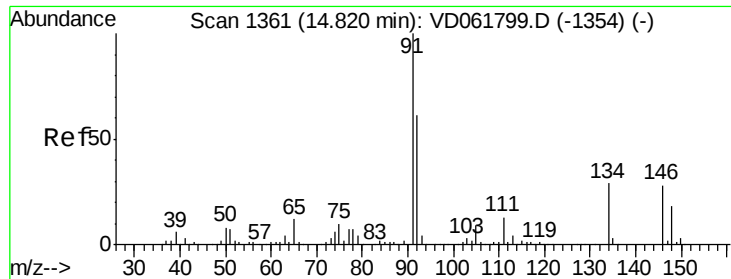
Tot Ion:146 Resp: 822216  
 Ion Ratio Lower Upper  
 146 100  
 111 38.9 20.0 60.0  
 148 64.6 31.8 95.4



#88  
 1,4-Dichlorobenzene  
 Concen: 72.759 ug/l  
 RT: 14.55 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Tgt Ion:146 Resp: 784255  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 20.2 60.5  
 148 64.2 32.0 96.2

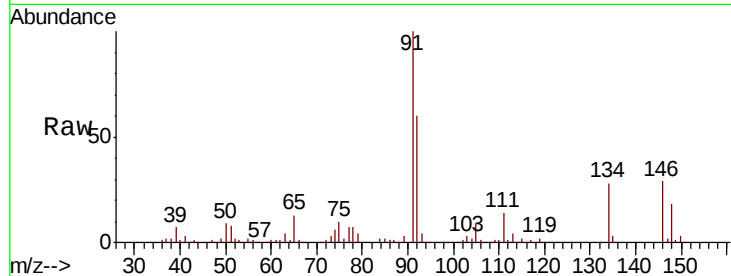




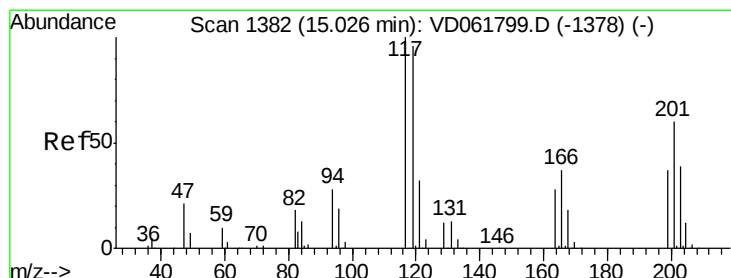
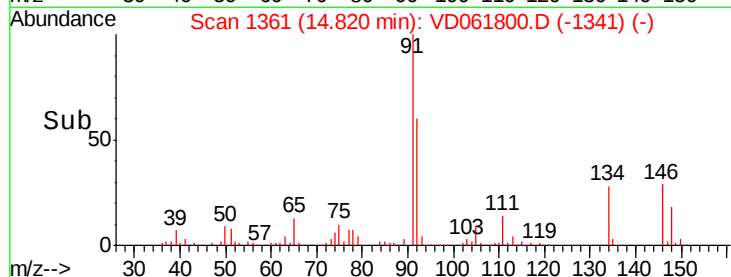
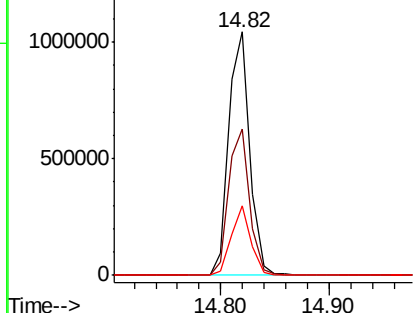
#89  
n-Butylbenzene  
Concen: 80.522 ug/l  
RT: 14.82 min Scan# 1361  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 91 Resp: 1412320  
Ion Ratio Lower Upper  
91 100  
92 60.0 30.3 91.0  
134 28.3 14.5 43.6

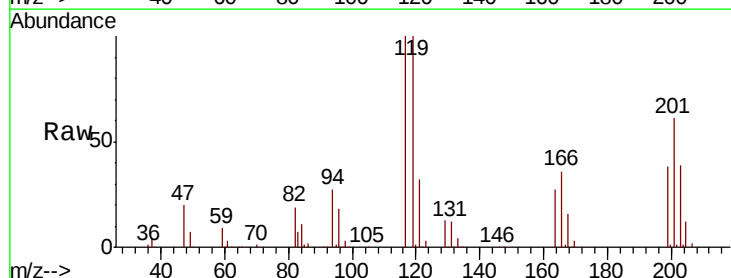


Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 92.00 (91.70 to 92.70): V  
Ion 134.10 (133.80 to 134.80): V

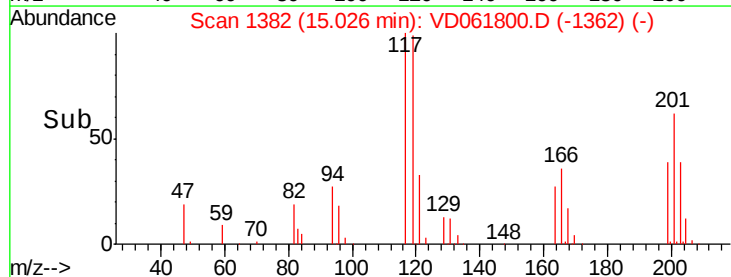
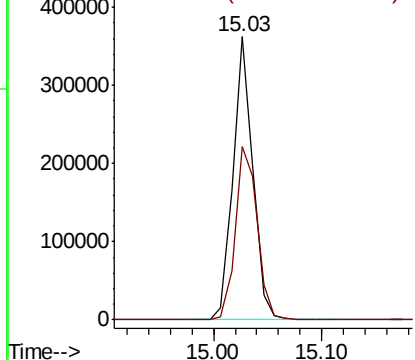


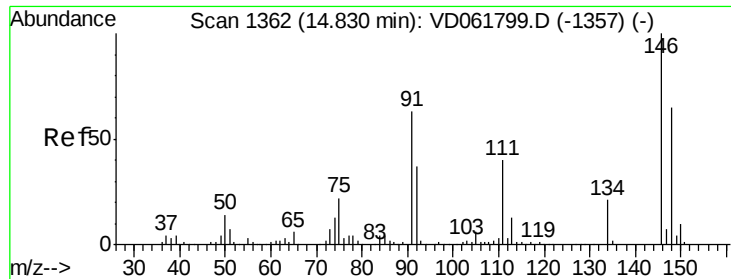
#90  
Hexachloroethane  
Concen: 85.665 ug/l  
RT: 15.03 min Scan# 1382  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion: 117 Resp: 462646  
Ion Ratio Lower Upper  
117 100  
201 61.4 30.2 90.6



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

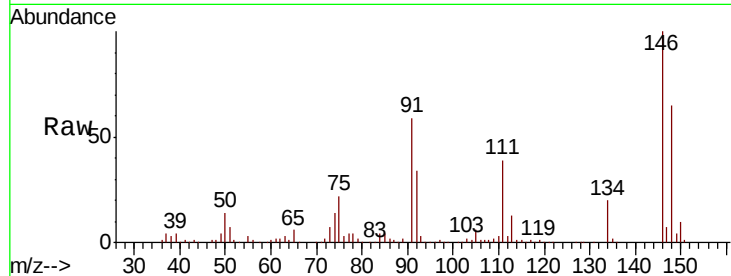




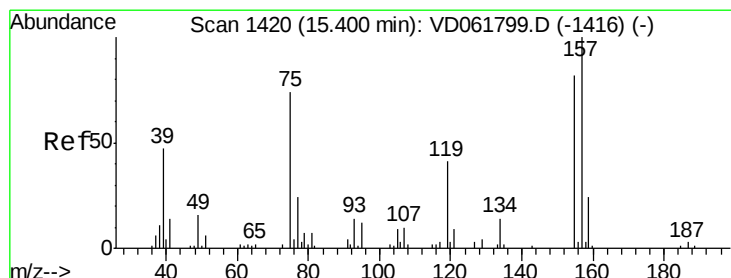
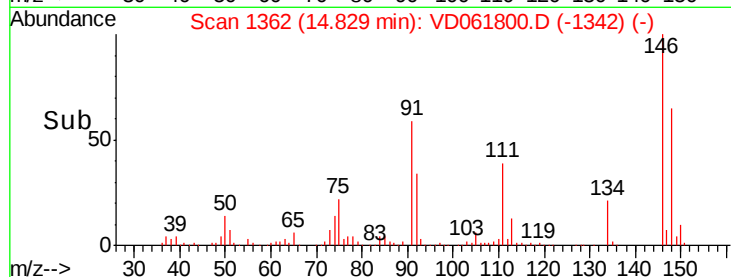
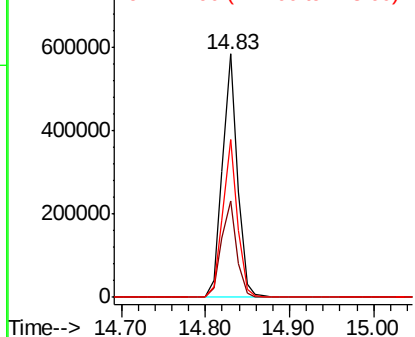
#91  
 1,2-Dichlorobenzene  
 Concen: 79.420 ug/l  
 RT: 14.83 min Scan# 1362  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:146 Resp: 725393  
 Ion Ratio Lower Upper  
 146 100  
 111 39.5 20.0 59.9  
 148 64.9 32.3 96.8

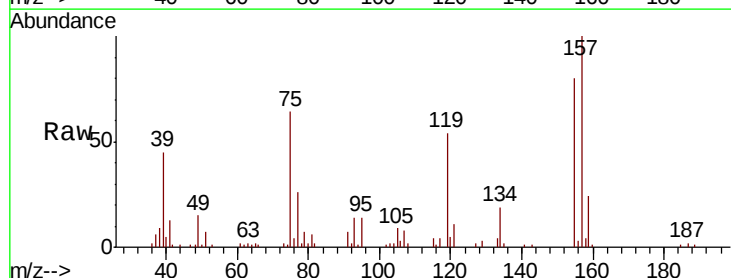


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

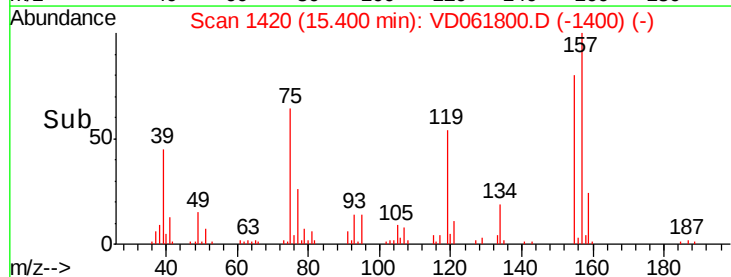
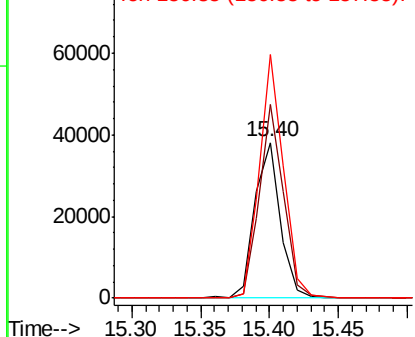


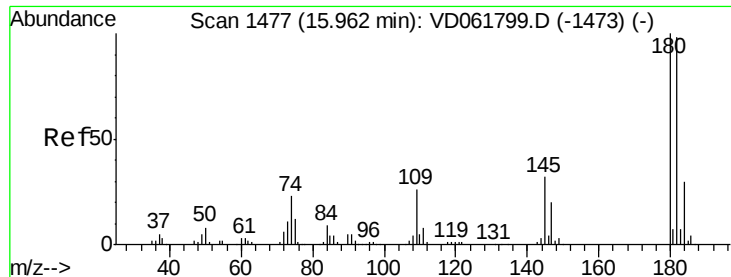
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 81.840 ug/l  
 RT: 15.40 min Scan# 1420  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Tgt Ion: 75 Resp: 49253  
 Ion Ratio Lower Upper  
 75 100  
 155 125.0 55.3 165.8  
 157 156.7 67.8 203.2



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

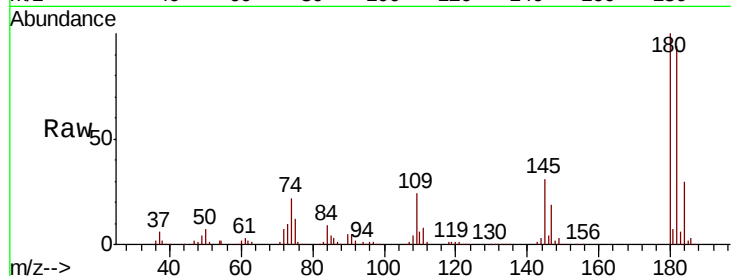




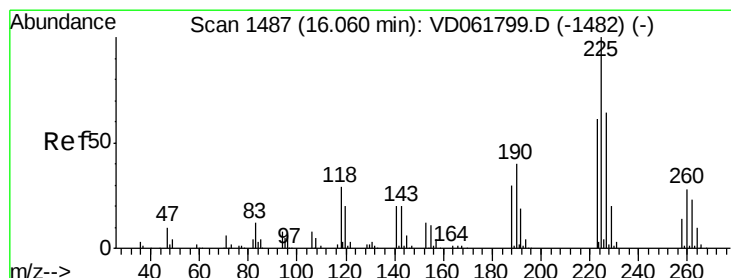
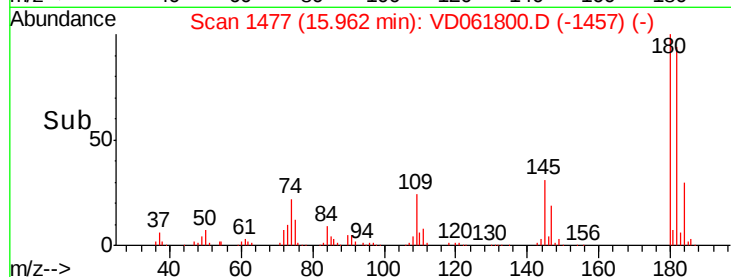
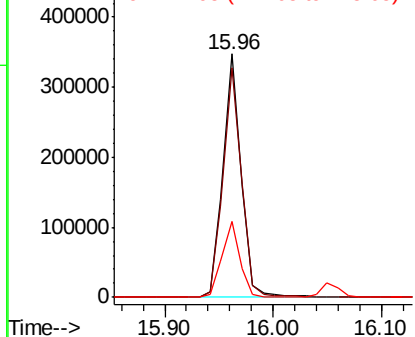
#93  
 1,2,4-Trichlorobenzene  
 Concen: 81.105 ug/l  
 RT: 15.96 min Scan# 1477  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.3  | 49.3  | 147.8 |
| 145     | 31.2  | 16.2  | 48.6  |

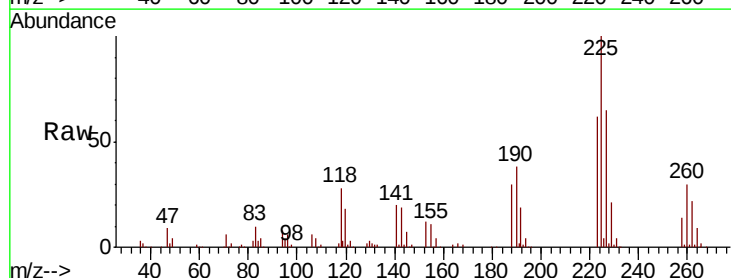


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

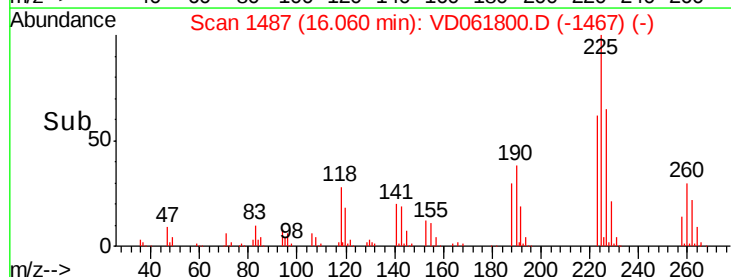
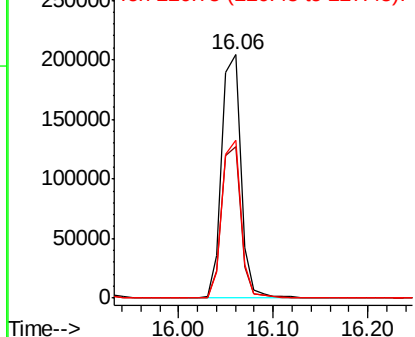


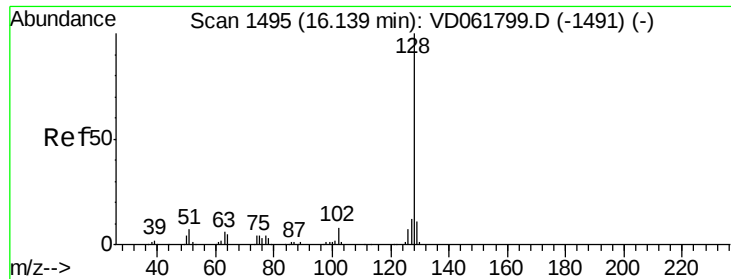
#94  
 Hexachlorobutadiene  
 Concen: 79.475 ug/l  
 RT: 16.06 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VD061800.D  
 Acq: 15 Apr 2019 14:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.3  | 30.6  | 92.0  |
| 227     | 64.7  | 32.0  | 96.2  |



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

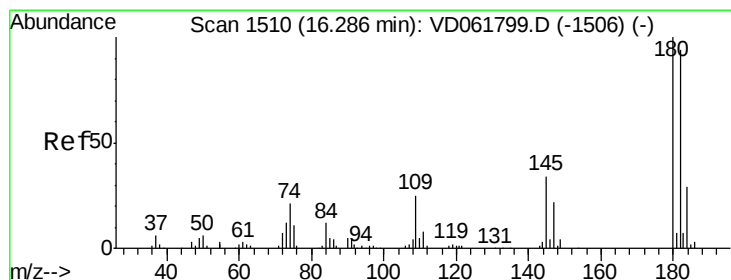
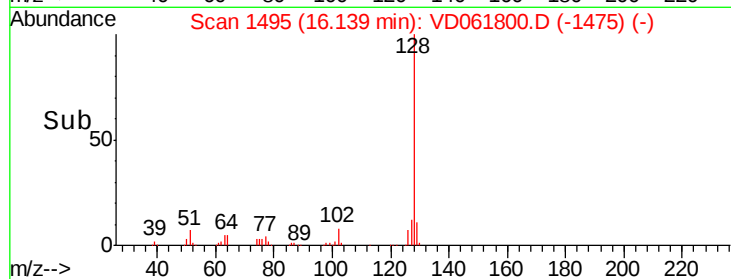
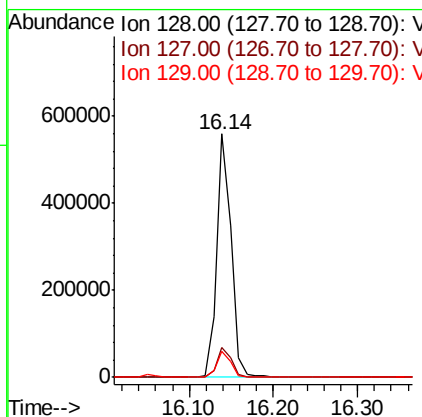
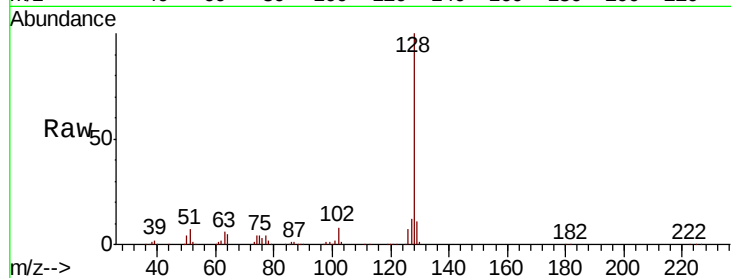




#95  
Naphthalene  
Concen: 86.513 ug/l  
RT: 16.14 min Scan# 1495  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:128 Resp: 665200  
Ion Ratio Lower Upper  
128 100  
127 12.5 9.8 14.8  
129 10.9 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 74.143 ug/l  
RT: 16.29 min Scan# 1510  
Delta R.T. -0.00 min  
Lab File: VD061800.D  
Acq: 15 Apr 2019 14:37

Tgt Ion:180 Resp: 211955  
Ion Ratio Lower Upper  
180 100  
182 97.2 47.0 141.0  
145 34.0 17.0 51.0

