

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030819\  
 Data File : VD060976.D  
 Acq On : 8 Mar 2019 10:33  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 08 22:03:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 792755   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.20  | 114  | 1363660  | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 1001459  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 462917   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 292484   | 44.32  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 88.64% |          |
| 35) Dibromofluoromethane    | 6.91  | 113  | 481474   | 47.58  | ug/l   | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 95.16% |          |
| 50) Toluene-d8              | 10.40 | 98   | 1161252  | 45.69  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 91.38% |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 466643   | 47.32  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 94.64% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85   | 351206   | 44.724  | ug/l  | 99     |
| 3) Chloromethane              | 1.77 | 50   | 292577   | 44.726  | ug/l  | 99     |
| 4) Vinyl Chloride             | 1.86 | 62   | 290049   | 47.985  | ug/l  | 95     |
| 5) Bromomethane               | 2.16 | 94   | 60453    | 58.341  | ug/l  | 93     |
| 6) Chloroethane               | 2.28 | 64   | 94610    | 52.292  | ug/l  | 95     |
| 7) Trichlorofluoromethane     | 2.54 | 101  | 415563   | 47.857  | ug/l  | 97     |
| 8) Diethyl Ether              | 2.88 | 74   | 132723   | 46.332  | ug/l  | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.15 | 101  | 450328   | 46.387  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.31 | 142  | 543920   | 41.231  | ug/l  | 98     |
| 11) Tert butyl alcohol        | 4.05 | 59   | 103548   | 246.490 | ug/l  | 97     |
| 12) 1,1-Dichloroethene        | 3.13 | 96   | 375108   | 47.138  | ug/l  | 95     |
| 13) Acrolein                  | 3.04 | 56   | 145787   | 239.847 | ug/l  | 93     |
| 14) Allyl chloride            | 3.63 | 41   | 602974   | 47.358  | ug/l  | 97     |
| 15) Acrylonitrile             | 4.19 | 53   | 329903   | 222.197 | ug/l  | 97     |
| 16) Acetone                   | 3.22 | 43   | 530852   | 281.324 | ug/l  | 99     |
| 17) Carbon Disulfide          | 3.38 | 76   | 1268942  | 47.272  | ug/l  | 99     |
| 18) Methyl Acetate            | 3.64 | 43   | 175075   | 47.145  | ug/l  | 94     |
| 19) Methyl tert-butyl Ether   | 4.24 | 73   | 648571   | 46.506  | ug/l  | 96     |
| 20) Methylene Chloride        | 3.82 | 84   | 406137   | 46.916  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 4.22 | 96   | 416194   | 48.321  | ug/l  | 97     |
| 22) Diisopropyl ether         | 5.11 | 45   | 1222288  | 46.245  | ug/l  | 98     |
| 23) Vinyl Acetate             | 5.05 | 43   | 3125079  | 230.325 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 4.98 | 63   | 694447   | 47.954  | ug/l  | 99     |
| 25) 2-Butanone                | 6.06 | 43   | 568030   | 265.286 | ug/l  | 99     |
| 26) 2,2-Dichloropropane       | 6.02 | 77   | 567599   | 50.208  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 6.03 | 96   | 455338   | 49.827  | ug/l  | 99     |
| 28) Bromochloromethane        | 6.43 | 49   | 283306   | 46.211  | ug/l  | 99     |
| 29) Tetrahydrofuran           | 6.44 | 42   | 245012   | 210.732 | ug/l  | 99     |
| 30) Chloroform                | 6.66 | 83   | 708418   | 47.200  | ug/l  | 99     |
| 31) Cyclohexane               | 6.94 | 56   | 608716   | 52.130  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 6.86 | 97   | 633474   | 48.819  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 7.14 | 75   | 529769   | 45.069  | ug/l  | 99     |
| 37) Ethyl Acetate             | 6.17 | 43   | 238500   | 43.238  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 7.10 | 117  | 673872   | 52.045  | ug/l  | 98     |

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 Data File : VD060976.D  
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 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 08 22:03:24 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.85  | 83   | 563820   | 46.258  | ug/l   | 98       |
| 40) Benzene                    | 7.45  | 78   | 1307442  | 44.514  | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.44  | 41   | 269844   | 42.531  | ug/l # | 92       |
| 42) 1,2-Dichloroethane         | 7.56  | 62   | 390848   | 45.855  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 9.23  | 43   | 352620   | 46.155  | ug/l # | 98       |
| 44) Trichloroethene            | 8.53  | 130  | 492636   | 48.617  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 8.92  | 63   | 351995   | 45.615  | ug/l   | 98       |
| 46) Dibromomethane             | 9.05  | 93   | 224267   | 45.817  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.37  | 83   | 552346   | 50.006  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.11  | 41   | 194471   | 45.210  | ug/l   | 100      |
| 49) 1,4-Dioxane                | 9.07  | 88   | 39573    | 909.806 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.28 | 43   | 982527   | 209.925 | ug/l   | 100      |
| 52) Toluene                    | 10.50 | 92   | 861356   | 47.160  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.90 | 75   | 475928   | 47.121  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.02 | 75   | 585924   | 48.282  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 11.18 | 97   | 267520   | 43.982  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 11.03 | 69   | 299366   | 47.022  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 11.39 | 76   | 416307   | 45.801  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 9.85  | 63   | 726421   | 215.557 | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.52 | 43   | 755198   | 220.581 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.68 | 129  | 448012   | 50.048  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.80 | 107  | 304091   | 42.977  | ug/l   | 97       |
| 64) Tetrachloroethene          | 11.25 | 164  | 353476   | 52.287  | ug/l   | 100      |
| 65) Chlorobenzene              | 12.39 | 112  | 921042   | 46.913  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 377249   | 53.907  | ug/l   | 100      |
| 67) Ethyl Benzene              | 12.52 | 91   | 1565043  | 53.545  | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.66 | 106  | 1285117  | 112.022 | ug/l   | 100      |
| 69) o-Xylene                   | 13.04 | 106  | 560500   | 49.705  | ug/l   | 98       |
| 70) Styrene                    | 13.07 | 104  | 868729   | 47.179  | ug/l   | 98       |
| 71) Bromoform                  | 13.22 | 173  | 225358   | 49.918  | ug/l   | 97       |
| 73) Isopropylbenzene           | 13.39 | 105  | 1578038  | 47.301  | ug/l   | 98       |
| 74) N-amyl acetate             | 13.25 | 43   | 440049   | 46.845  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.69 | 83   | 315821   | 48.521  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 304102   | 45.662  | ug/l   | 99       |
| 77) Bromobenzene               | 13.66 | 156  | 416751   | 48.936  | ug/l   | 84       |
| 78) n-propylbenzene            | 13.77 | 91   | 1802270  | 46.146  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 13.83 | 91   | 1061739  | 49.379  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 14.23 | 105  | 1270982  | 50.183  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 13.46 | 75   | 99973    | 50.916  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.94 | 91   | 1151450  | 45.298  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 14.18 | 119  | 1514701  | 54.648  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 1270982  | 50.183  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 14.36 | 105  | 1750437  | 51.731  | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 14.48 | 119  | 1337699  | 48.365  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.44 | 146  | 774846   | 50.953  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 14.53 | 146  | 704855   | 47.168  | ug/l   | 98       |
| 89) n-Butylbenzene             | 14.79 | 91   | 1204550  | 45.350  | ug/l   | 98       |
| 90) Hexachloroethane           | 15.00 | 117  | 394330   | 50.490  | ug/l   | 74       |
| 91) 1,2-Dichlorobenzene        | 14.80 | 146  | 607766   | 47.941  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.37 | 75   | 36039    | 45.947  | ug/l   | 78       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030819\  
Data File : VD060976.D  
Acq On : 8 Mar 2019 10:33  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

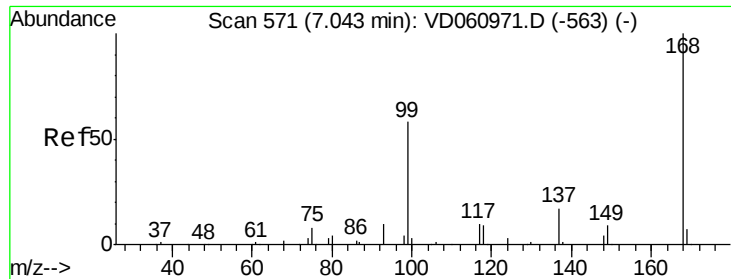
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Quant Time: Mar 08 22:03:24 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.94 | 180  | 314313   | 53.445 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 16.03 | 225  | 220747   | 49.625 | ug/l  | 97       |
| 95) Naphthalene            | 16.12 | 128  | 442837   | 49.551 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 140389   | 48.332 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

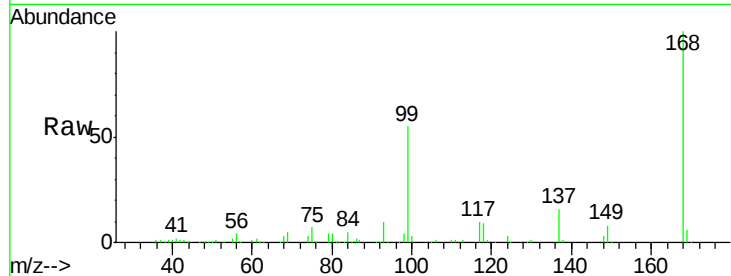
VSTDCCC050

Tot Ion:168 Resp: 792755

Ion Ratio Lower Upper

168 100

99 55.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

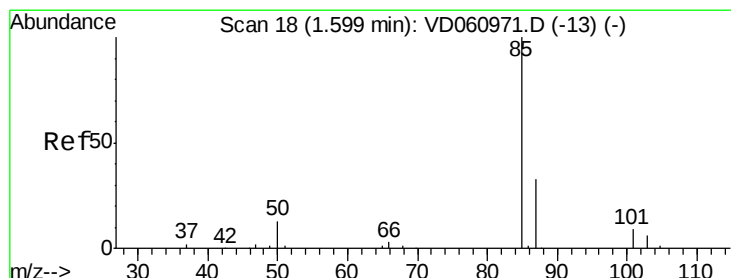
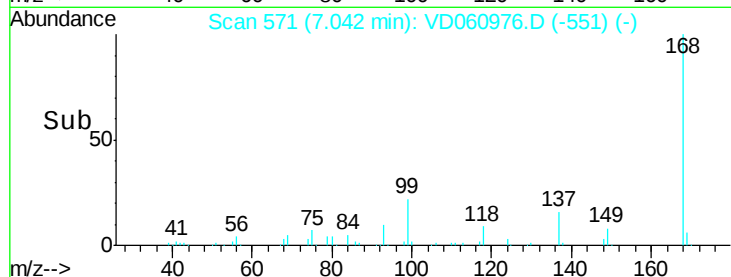
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.724 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD060976.D

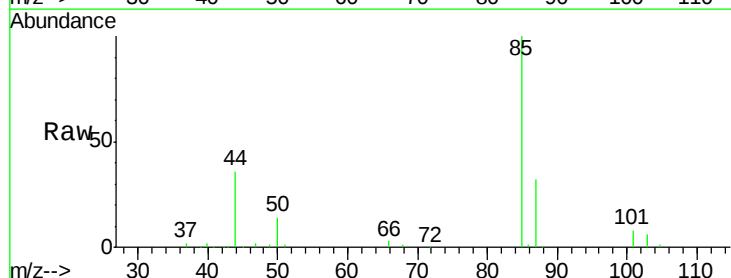
Acq: 8 Mar 2019 10:33

Tgt Ion: 85 Resp: 351206

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

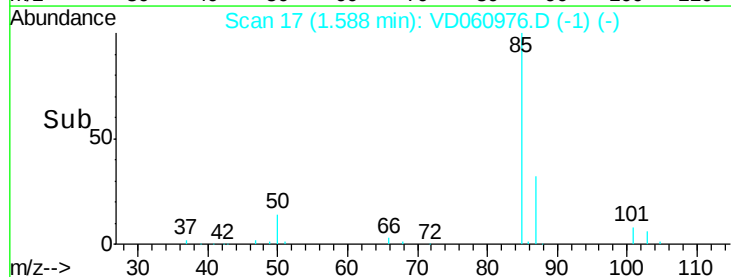
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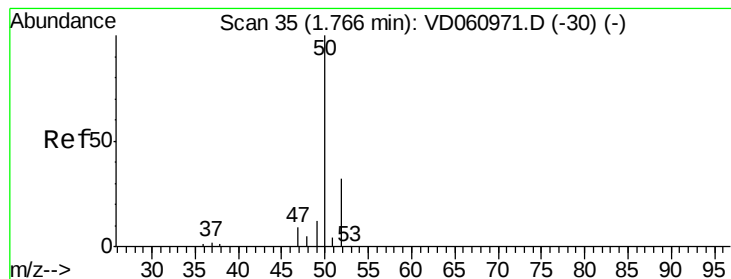
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.726 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

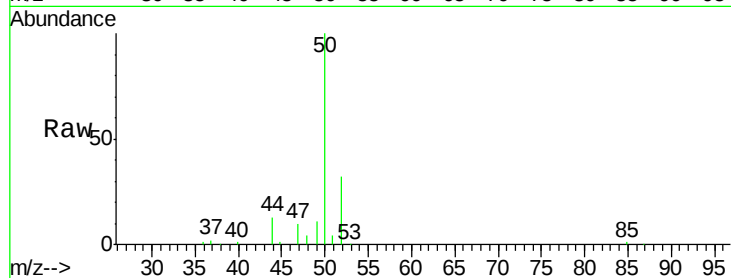
VSTDCCC050

Tot Ion: 50 Resp: 292577

Ion Ratio Lower Upper

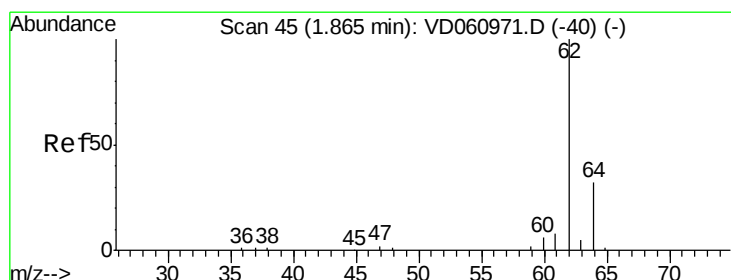
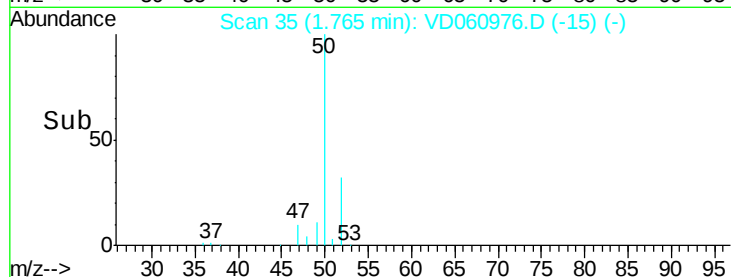
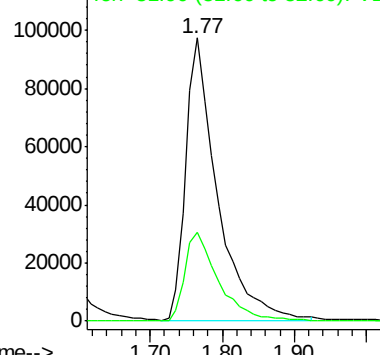
50 100

52 31.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.985 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD060976.D

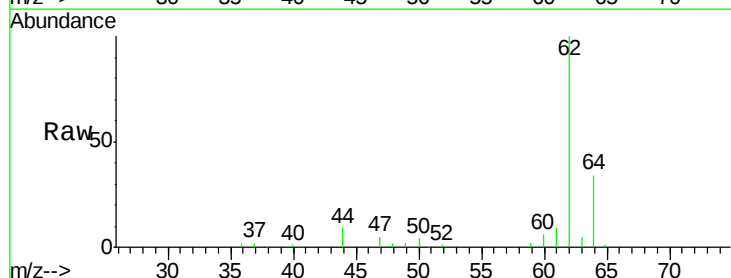
Acq: 8 Mar 2019 10:33

Tgt Ion: 62 Resp: 290049

Ion Ratio Lower Upper

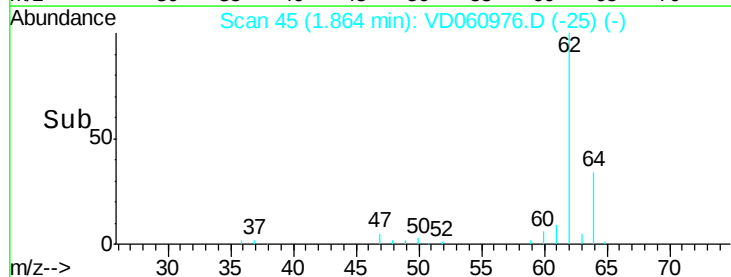
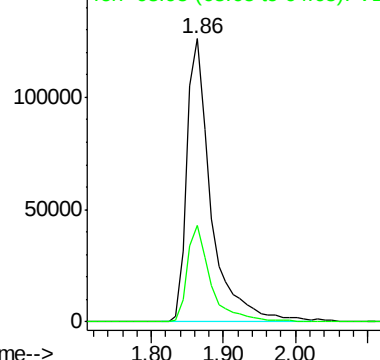
62 100

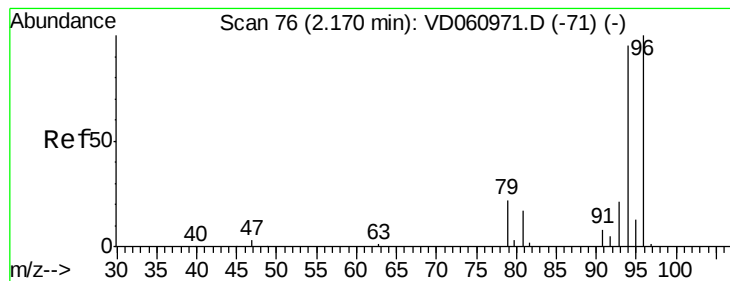
64 34.1 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 58.341 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

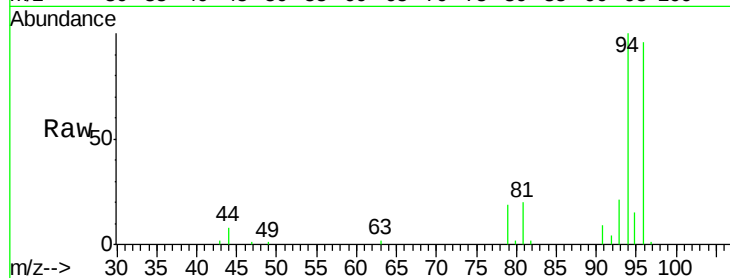
Tot Ion: 94 Resp: 60453

Ion Ratio Lower Upper

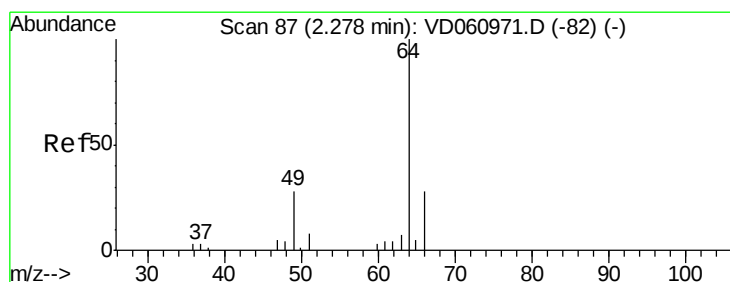
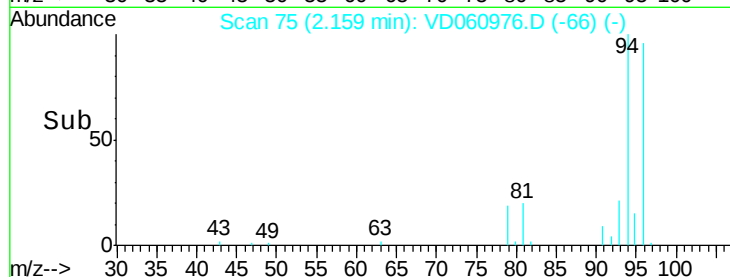
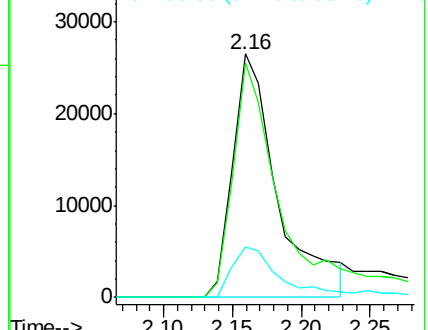
94 100

96 96.3 84.0 126.0

93 20.9 17.3 25.9



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: 52.292 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD060976.D

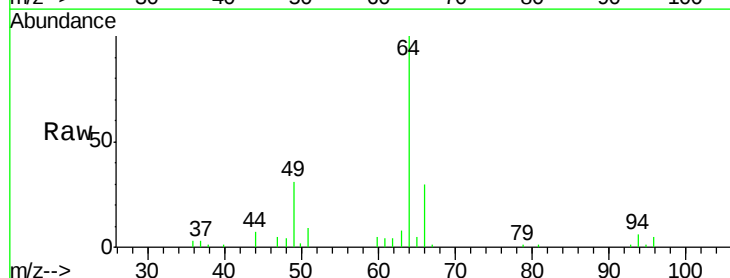
Acq: 8 Mar 2019 10:33

Tgt Ion: 64 Resp: 94610

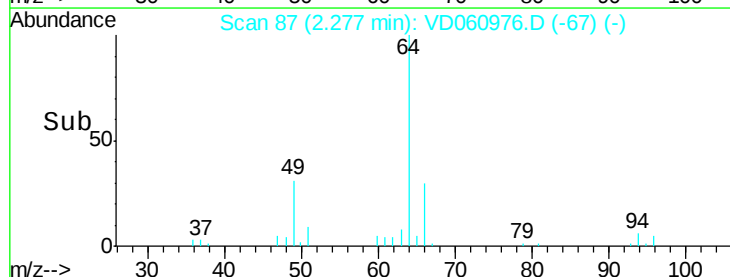
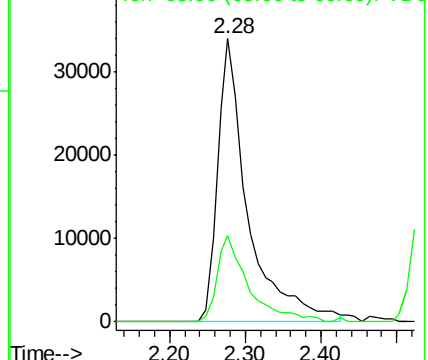
Ion Ratio Lower Upper

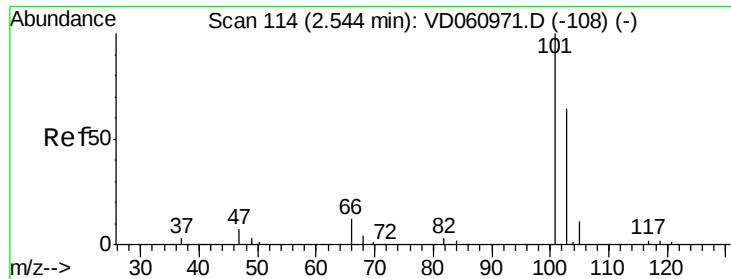
64 100

66 30.4 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC  
Ion 65.90 (65.60 to 66.60): VDC



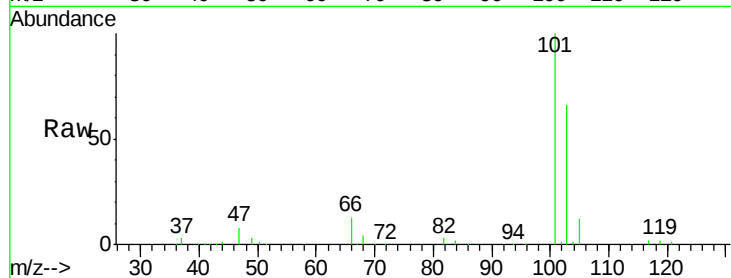


#7

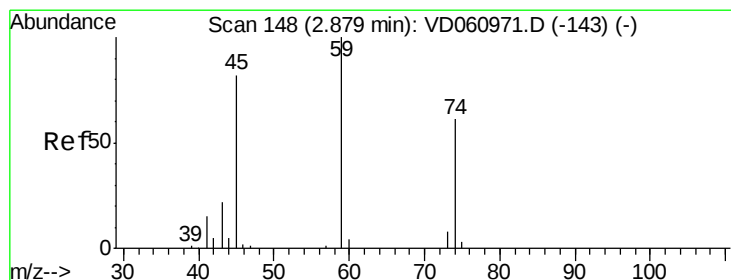
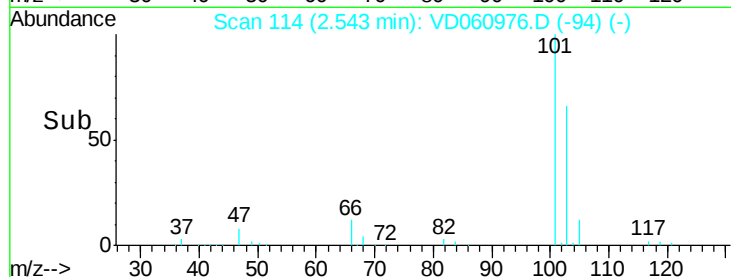
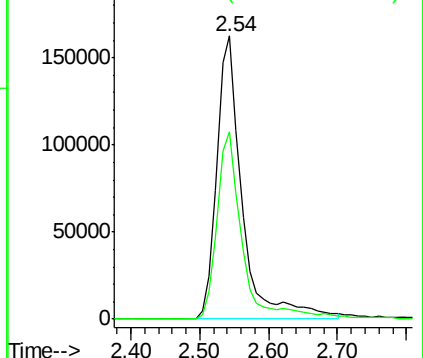
Trichlorofluoromethane  
 Concen: 47.857 ug/l  
 RT: 2.54 min Scan# 114  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:101 Resp: 415563  
 Ion Ratio Lower Upper  
 101 100  
 103 66.3 51.2 76.8



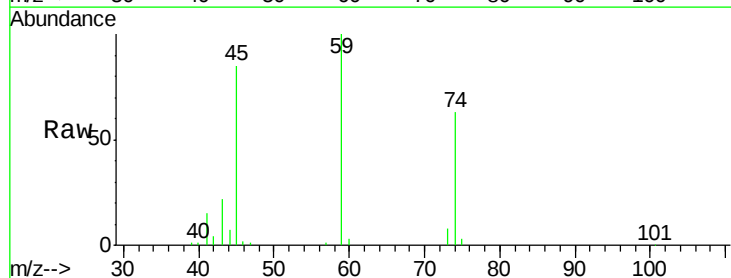
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



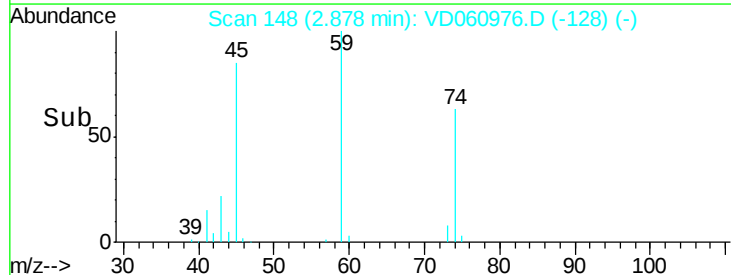
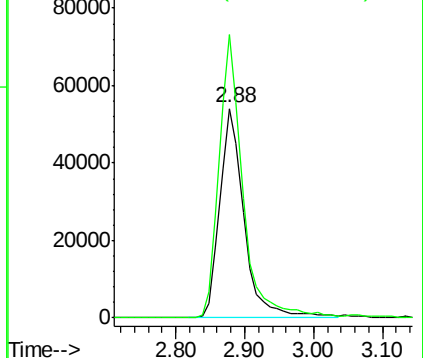
#8

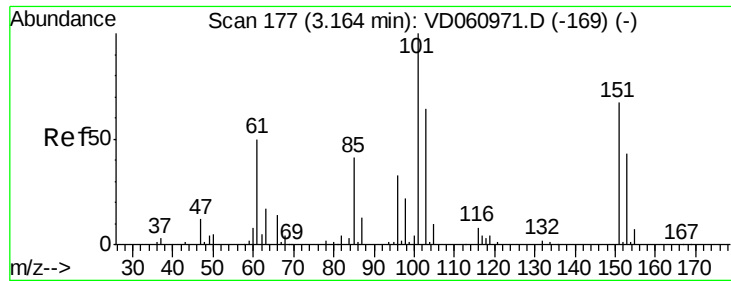
Diethyl Ether  
 Concen: 46.332 ug/l  
 RT: 2.88 min Scan# 148  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion: 74 Resp: 132723  
 Ion Ratio Lower Upper  
 74 100  
 45 135.3 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.387 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

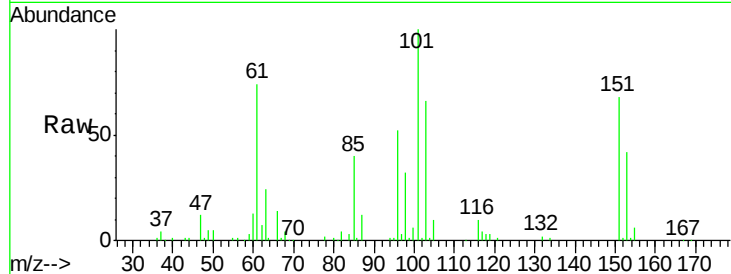
Tot Ion:101 Resp: 450328

Ion Ratio Lower Upper

101 100

85 39.6 32.5 48.7

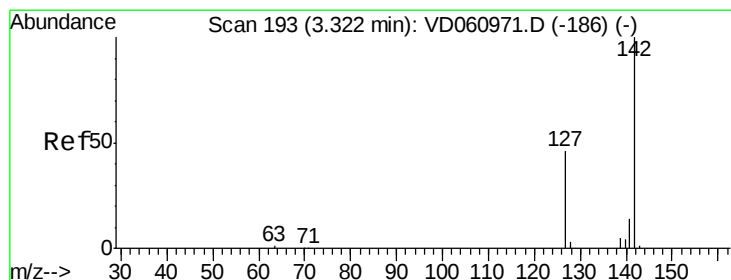
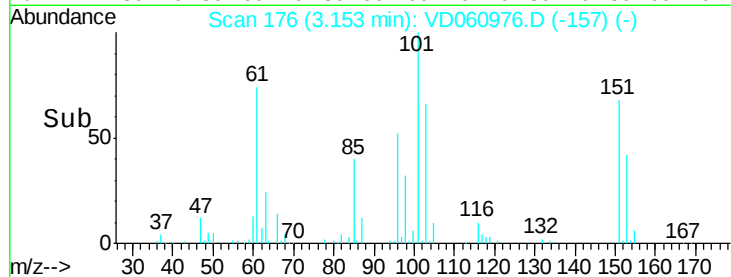
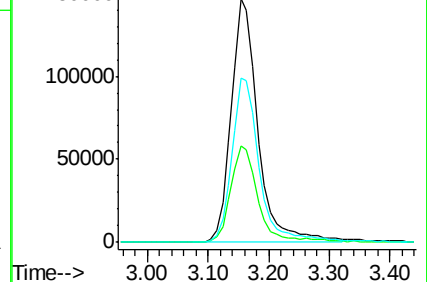
151 67.6 53.3 79.9



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: 41.231 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

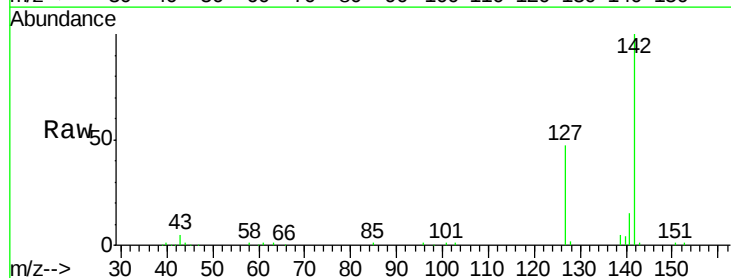
Tgt Ion:142 Resp: 543920

Ion Ratio Lower Upper

142 100

127 47.0 36.8 55.2

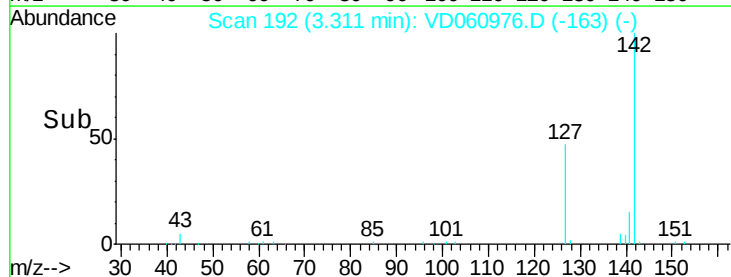
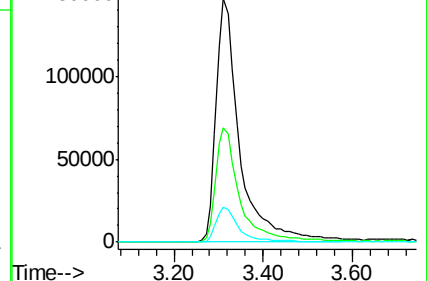
141 14.6 11.2 16.8

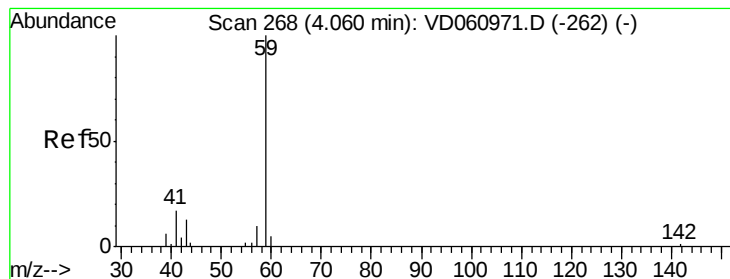


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



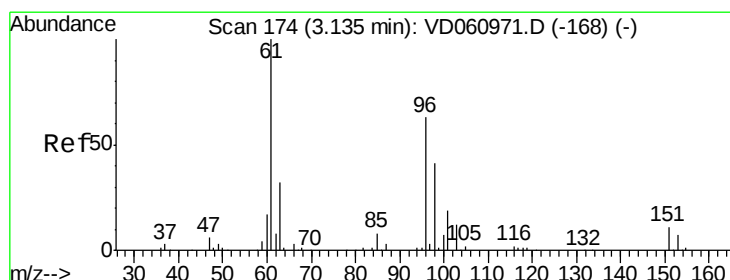
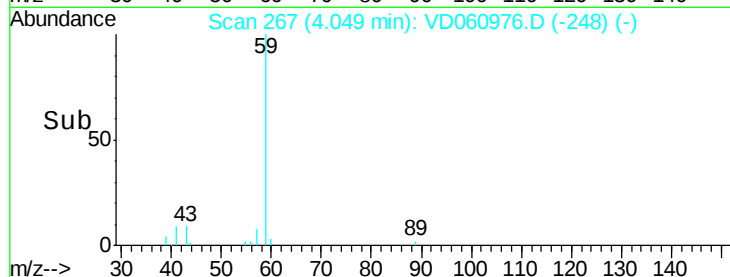
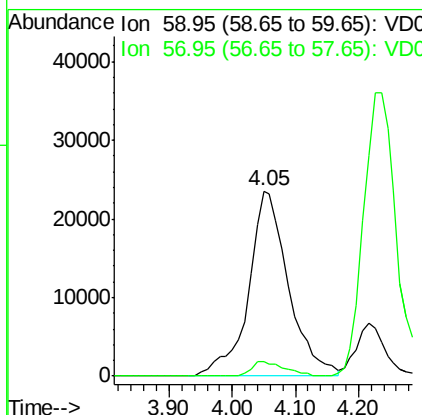
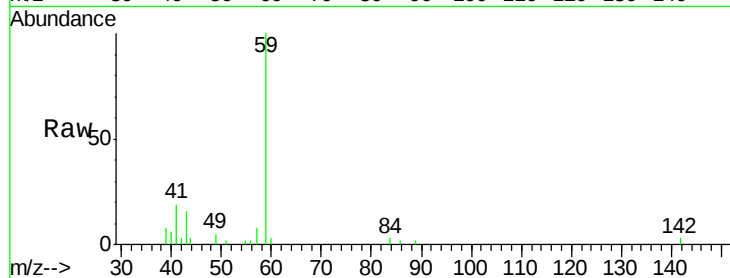


#11

Tert butyl alcohol  
Concen: 246.490 ug/l  
RT: 4.05 min Scan# 267  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

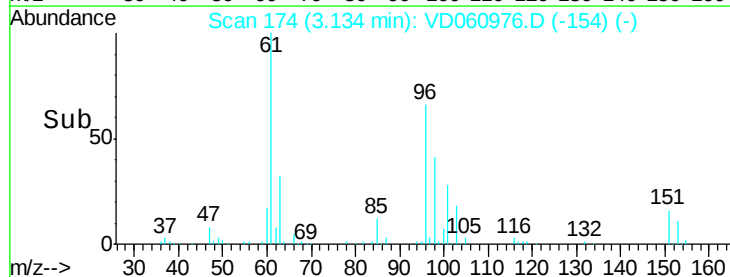
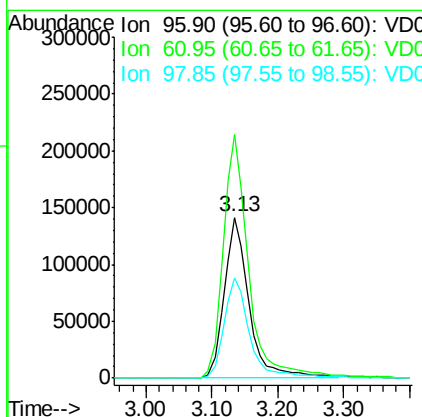
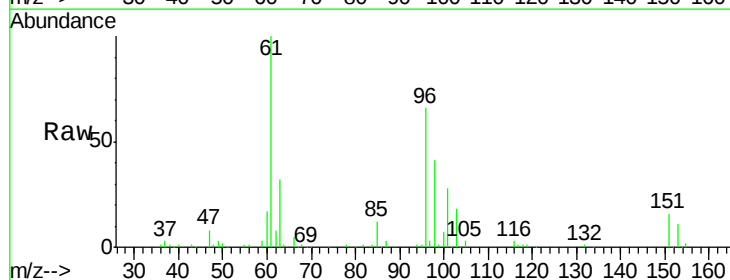
Tot Ion: 59 Resp: 103548  
Ion Ratio Lower Upper  
59 100  
57 7.8 7.1 10.7

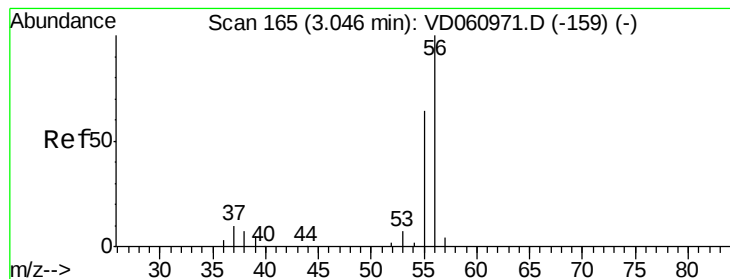


#12

1,1-Dichloroethene  
Concen: 47.138 ug/l  
RT: 3.13 min Scan# 174  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion: 96 Resp: 375108  
Ion Ratio Lower Upper  
96 100  
61 151.3 127.1 190.7  
98 62.1 51.5 77.3





#13

Acrolein

Concen: 239.847 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

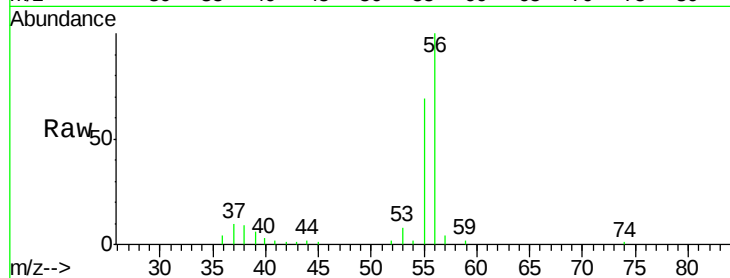
VSTDCCC050

Tot Ion: 56 Resp: 145787

Ion Ratio Lower Upper

56 100

55 69.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

60000

50000

40000

30000

20000

10000

0

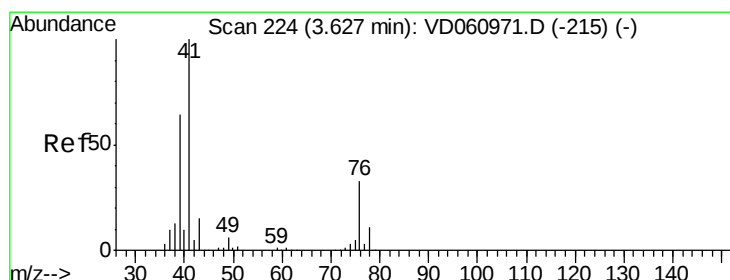
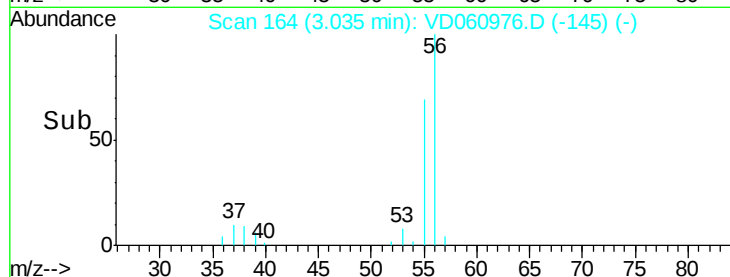
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 47.358 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

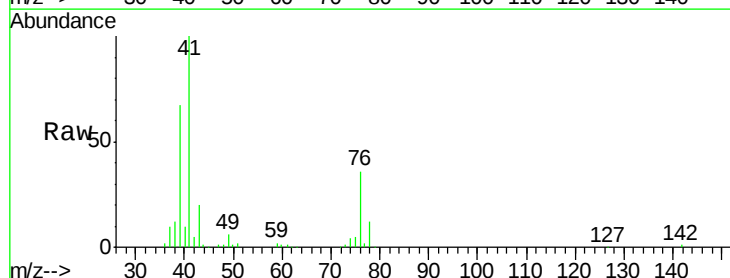
Tgt Ion: 41 Resp: 602974

Ion Ratio Lower Upper

41 100

39 66.5 51.1 76.7

76 35.8 29.1 43.7



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

3.63

250000

200000

150000

100000

50000

0

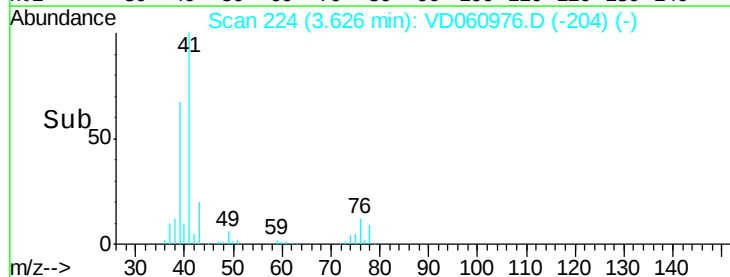
Time-->

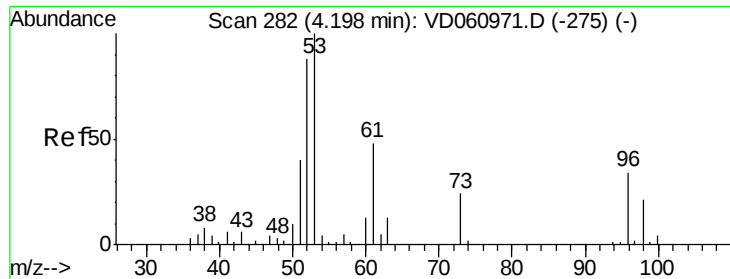
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 222.197 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

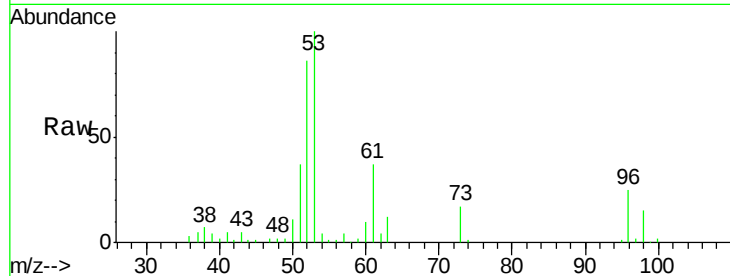
Tot Ion: 53 Resp: 329903

Ion Ratio Lower Upper

53 100

52 85.9 70.2 105.4

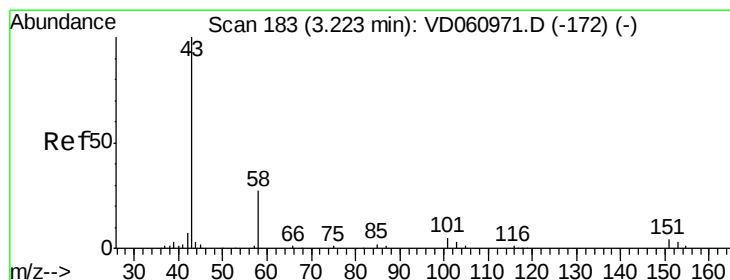
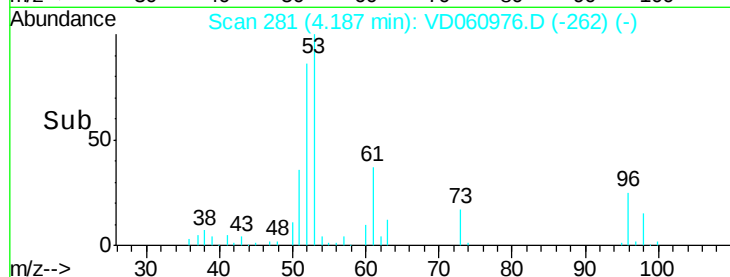
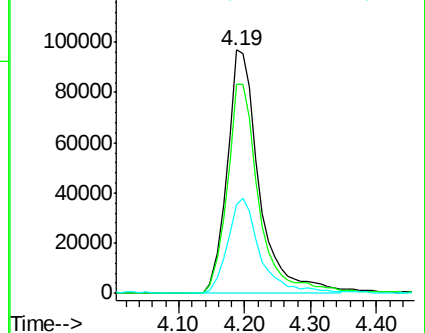
51 36.7 31.7 47.5



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: 281.324 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060976.D

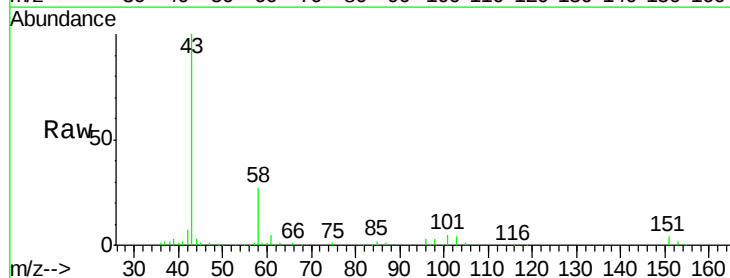
Acq: 8 Mar 2019 10:33

Tgt Ion: 43 Resp: 530852

Ion Ratio Lower Upper

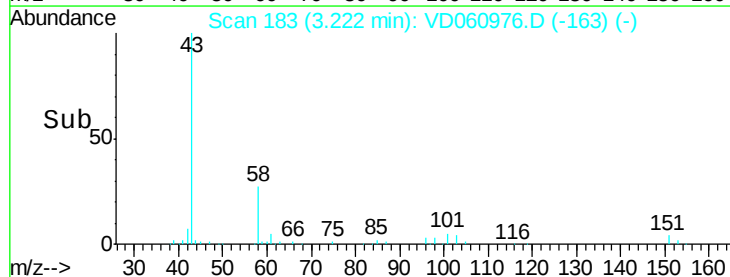
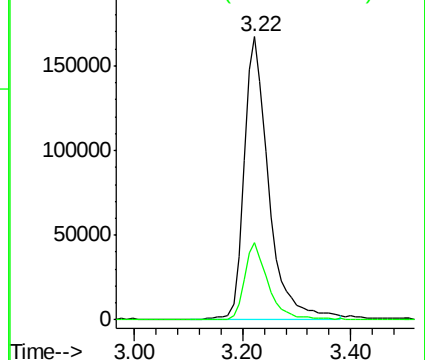
43 100

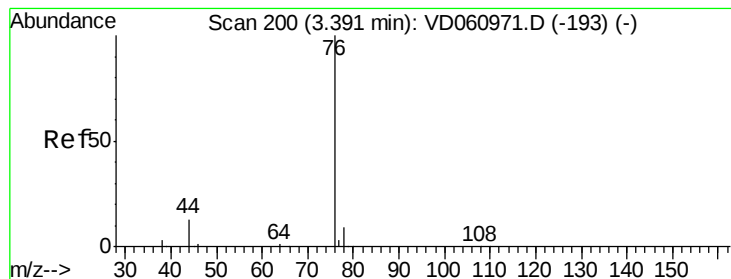
58 27.3 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 47.272 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

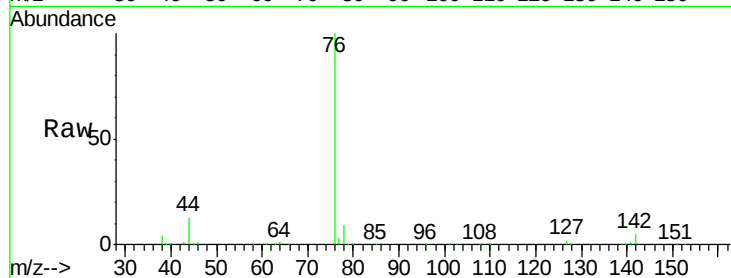
VSTDCCC050

Tot Ion: 76 Resp: 1268942

Ion Ratio Lower Upper

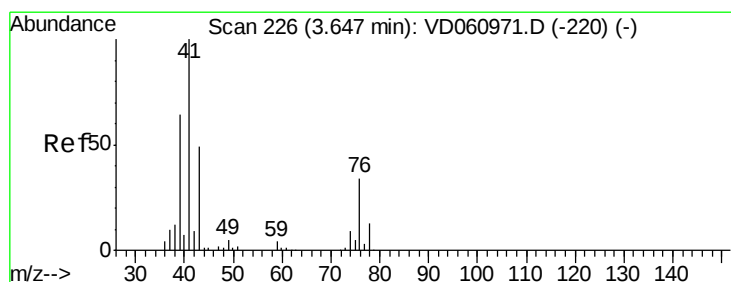
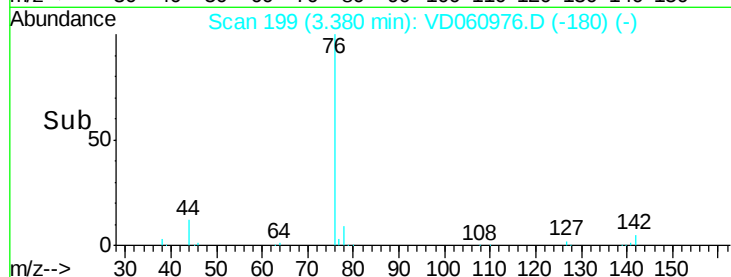
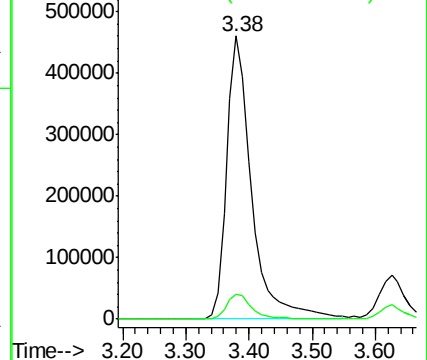
76 100

78 8.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.145 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD060976.D

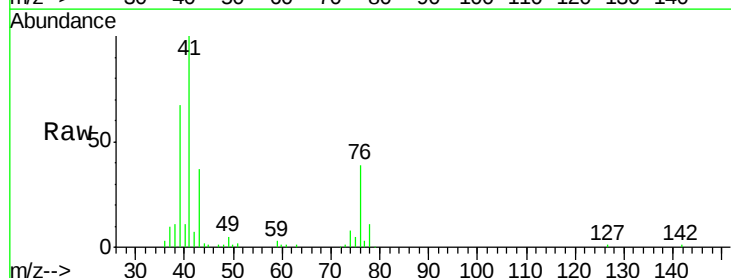
Acq: 8 Mar 2019 10:33

Tgt Ion: 43 Resp: 175075

Ion Ratio Lower Upper

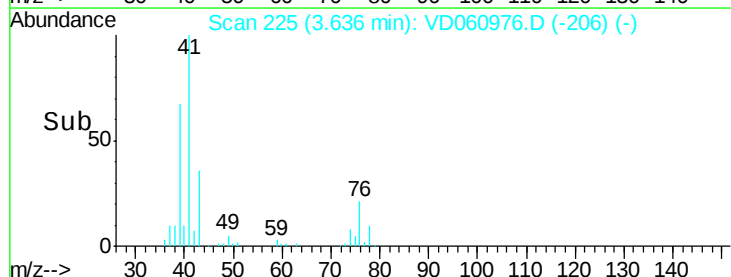
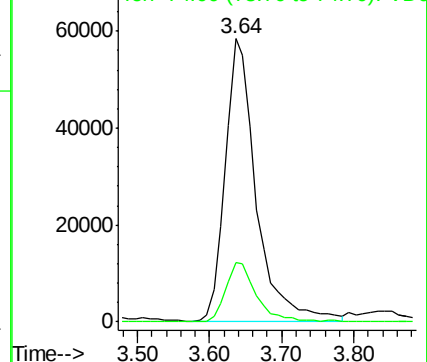
43 100

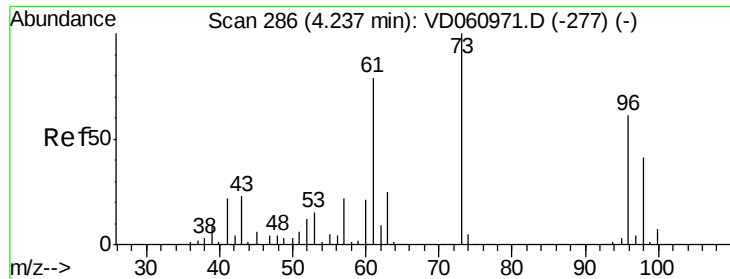
74 21.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



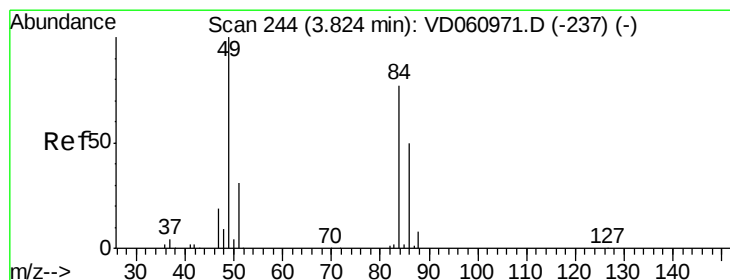
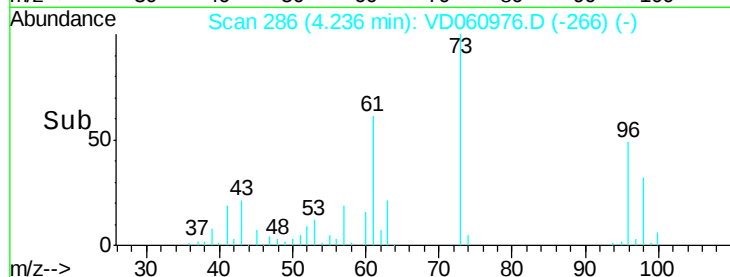
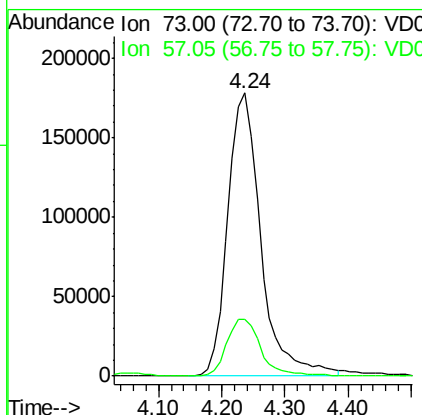
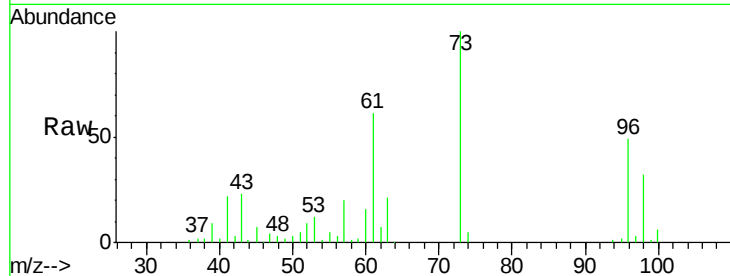


#19

Methyl tert-butyl Ether  
 Concen: 46.506 ug/l  
 RT: 4.24 min Scan# 286  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

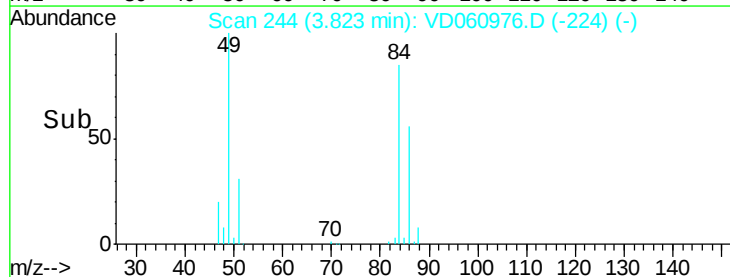
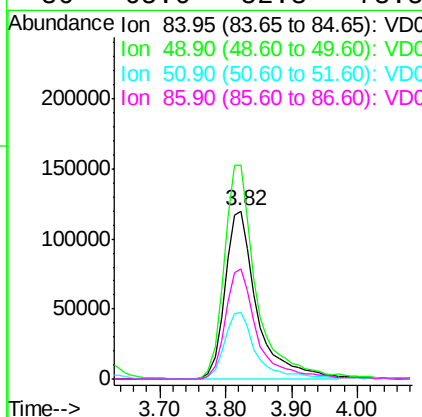
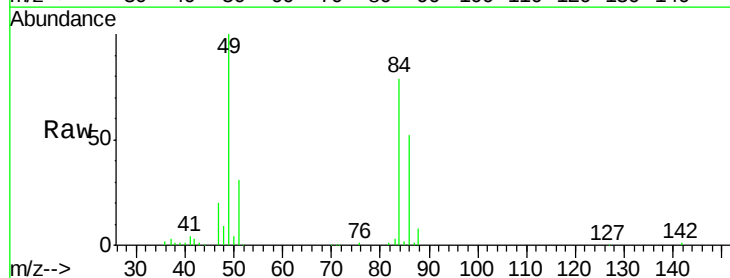
Tot Ion: 73 Resp: 648571  
 Ion Ratio Lower Upper  
 73 100  
 57 20.2 17.7 26.5

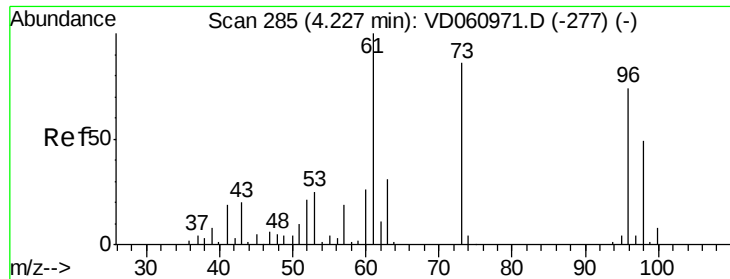


#20

Methylene Chloride  
 Concen: 46.916 ug/l  
 RT: 3.82 min Scan# 244  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion: 84 Resp: 406137  
 Ion Ratio Lower Upper  
 84 100  
 49 127.3 104.2 156.2  
 51 39.6 32.3 48.5  
 86 65.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.321 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

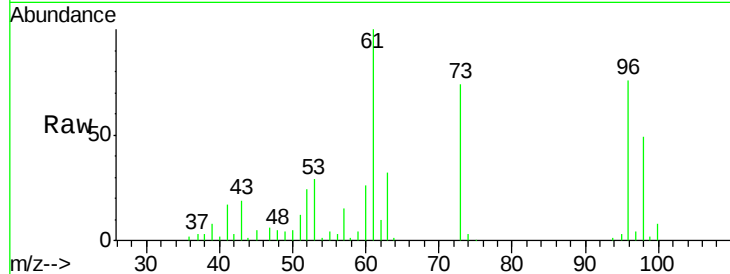
Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 96 Resp: 416194

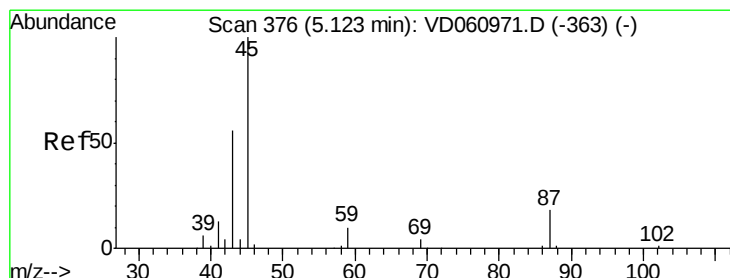
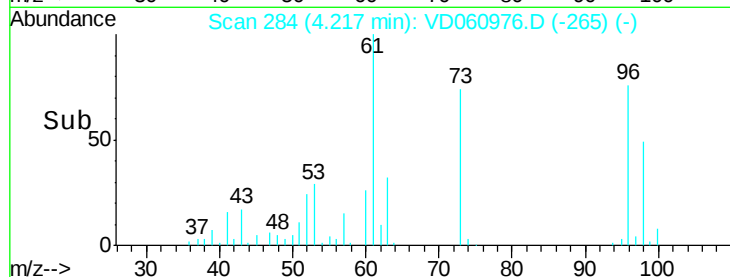
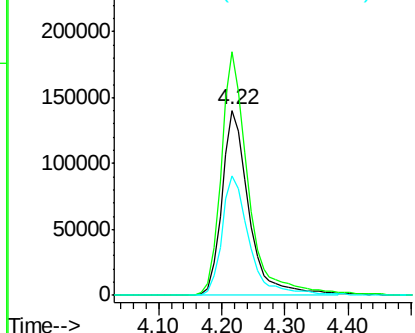
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.7 | 108.4 | 162.6 |
| 98  | 64.8  | 53.0  | 79.4  |



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: 46.245 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Tgt Ion: 45 Resp: 1222288

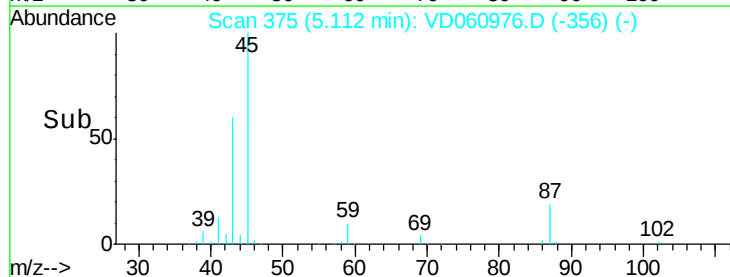
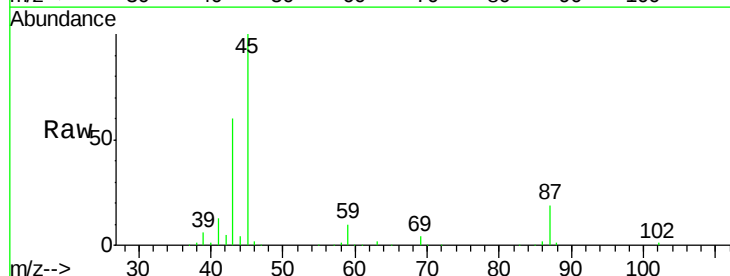
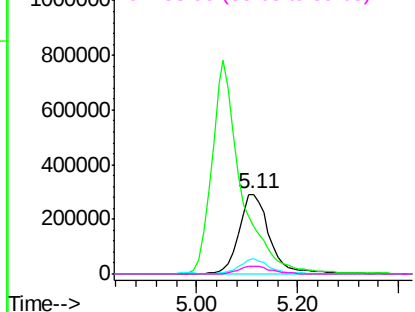
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 59.6  | 45.8  | 68.8  |
| 87  | 19.2  | 14.9  | 22.3  |
| 59  | 10.0  | 8.0   | 12.0  |

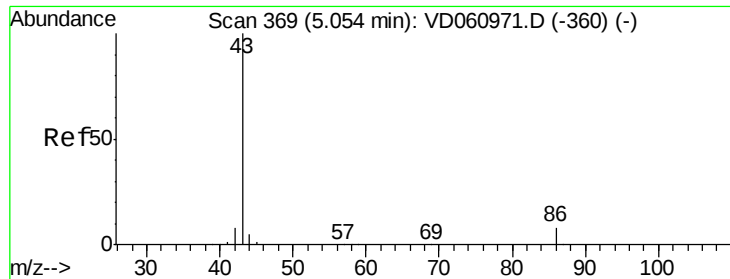
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 230.325 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

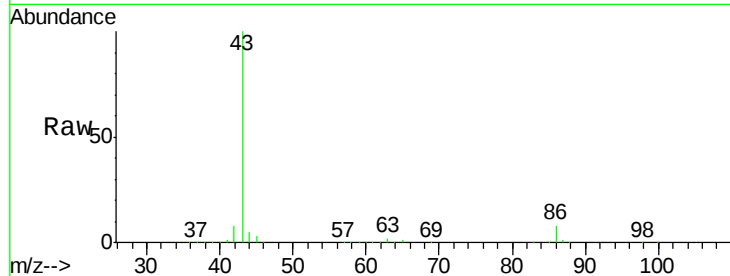
VSTDCCC050

Tot Ion: 43 Resp: 3125079

Ion Ratio Lower Upper

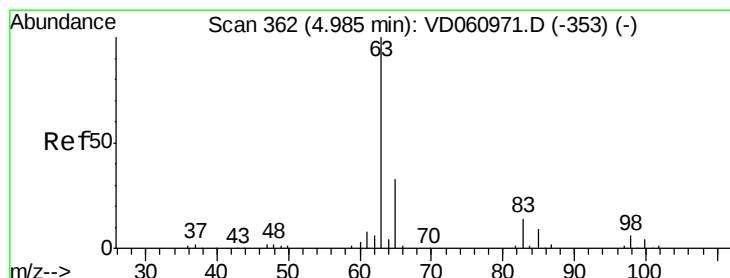
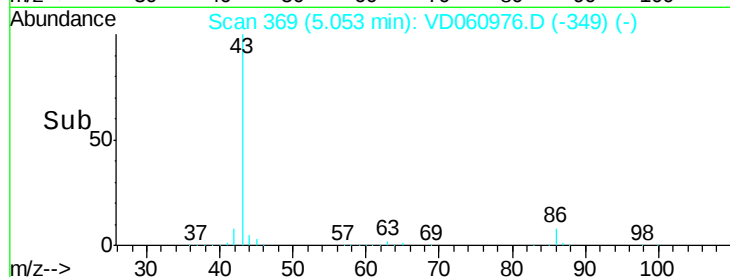
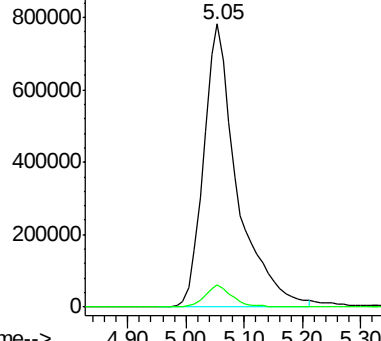
43 100

86 8.0 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.954 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

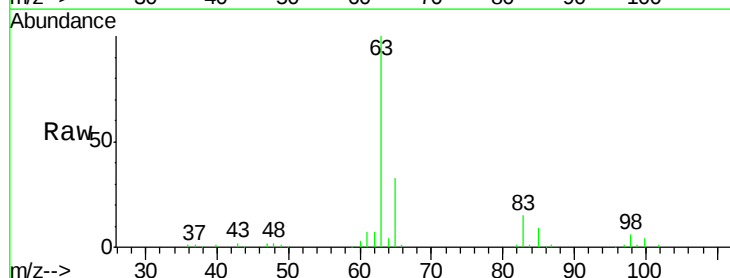
Tgt Ion: 63 Resp: 694447

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

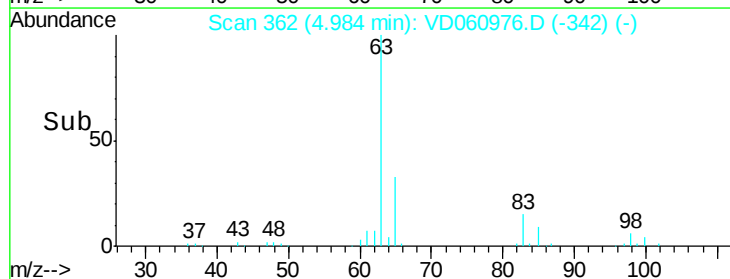
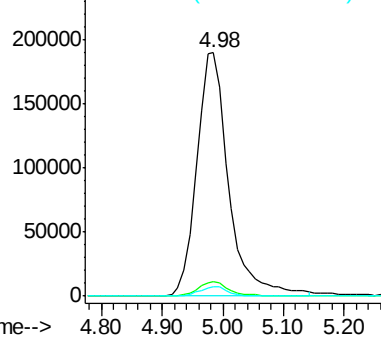
100 3.9 2.0 5.8

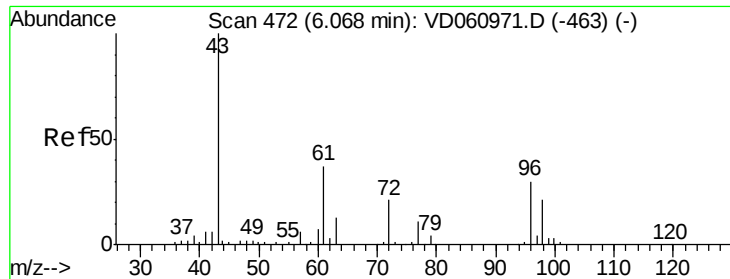


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 265.286 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

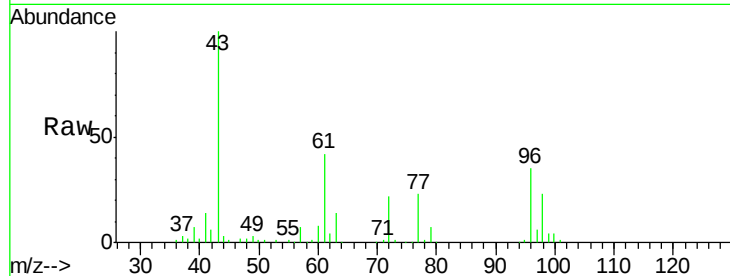
VSTDCCC050

Tot Ion: 43 Resp: 568030

Ion Ratio Lower Upper

43 100

72 21.5 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

200000

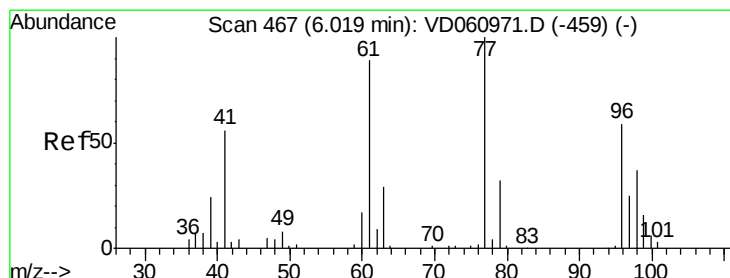
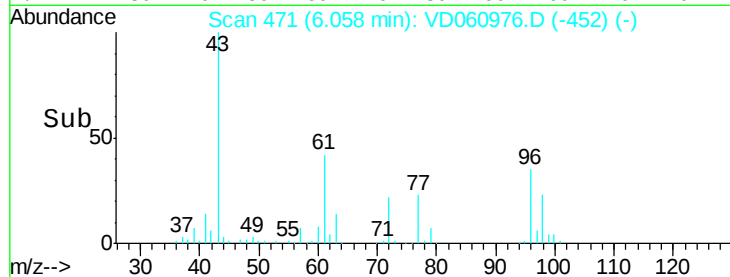
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 50.208 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060976.D

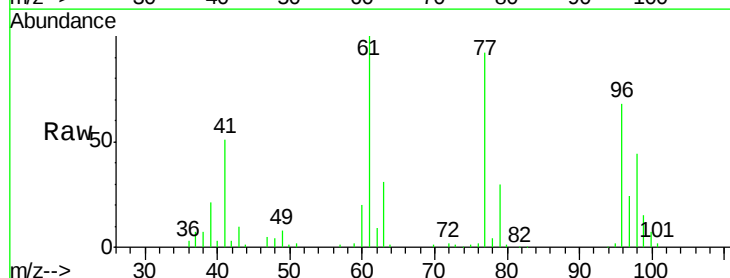
Acq: 8 Mar 2019 10:33

Tgt Ion: 77 Resp: 567599

Ion Ratio Lower Upper

77 100

97 26.0 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

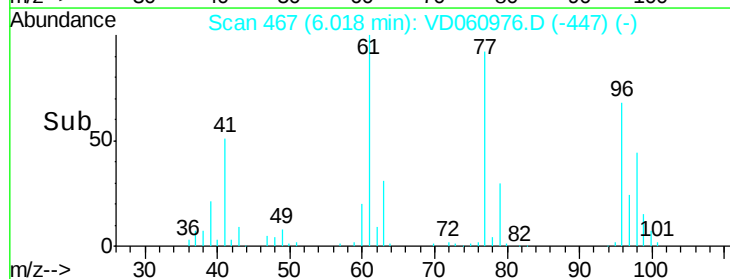
150000

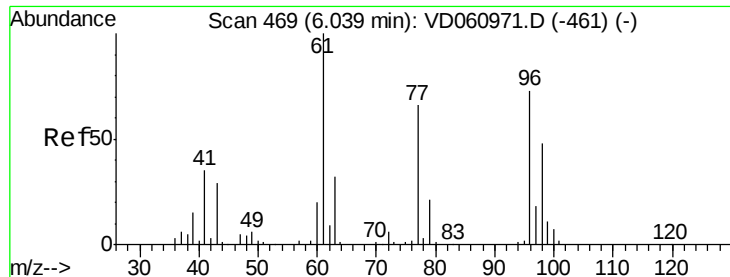
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.827 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

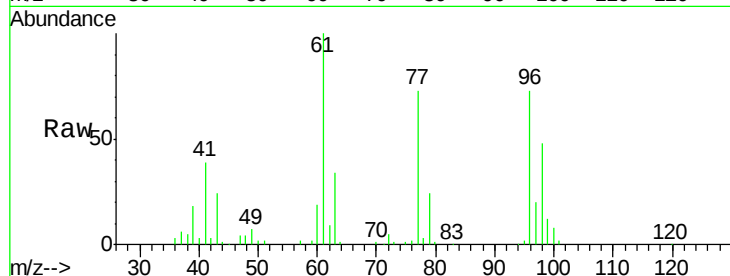
Tot Ion: 96 Resp: 455338

Ion Ratio Lower Upper

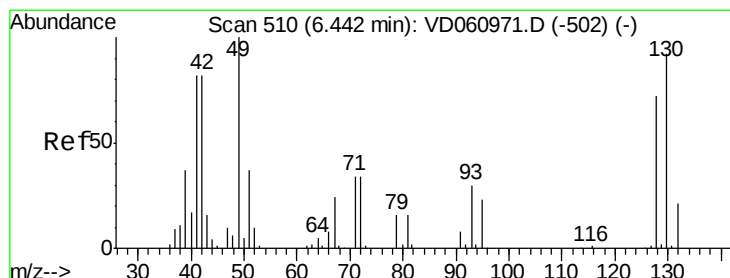
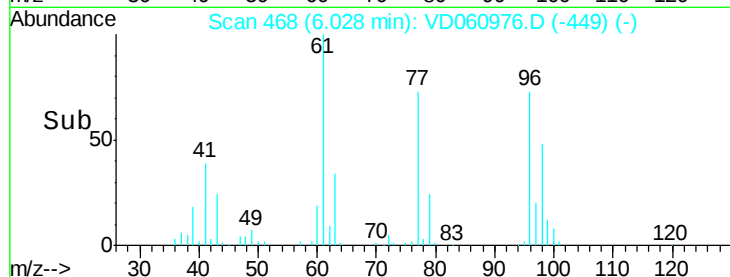
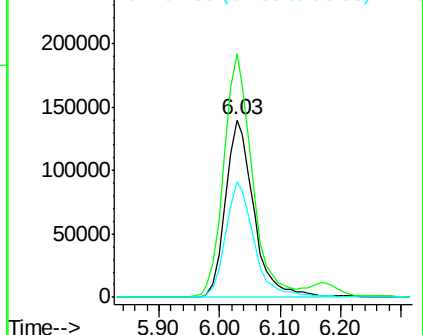
96 100

61 137.4 0.0 273.6

98 65.3 0.0 132.6



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: 46.211 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

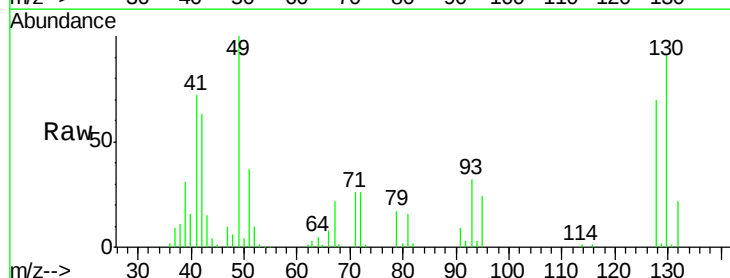
Tgt Ion: 49 Resp: 283306

Ion Ratio Lower Upper

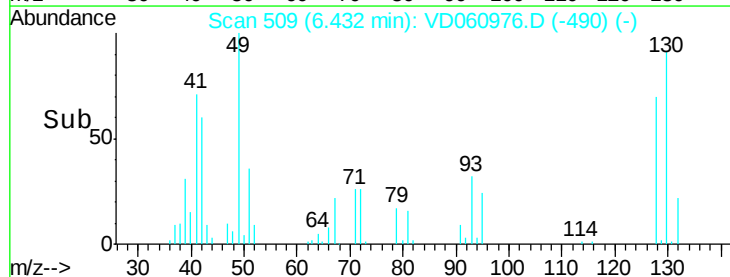
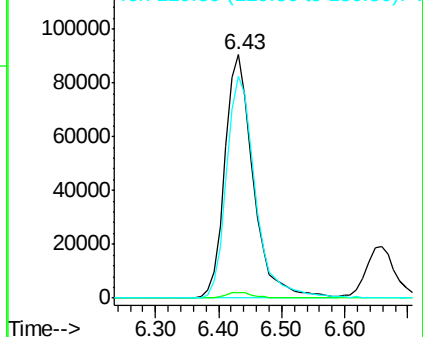
49 100

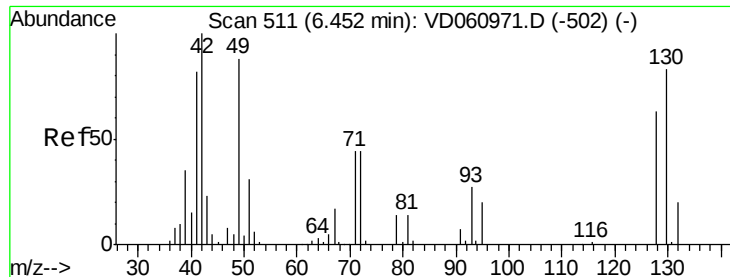
129 2.1 0.0 4.0

130 90.9 73.8 110.8



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

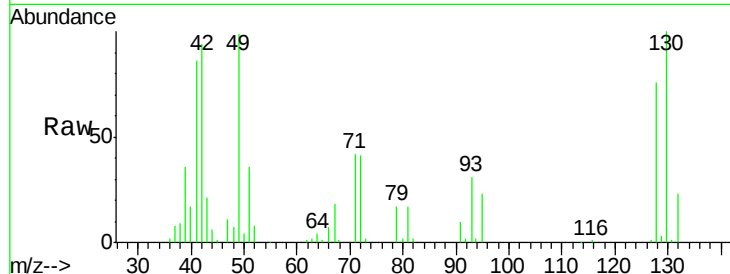




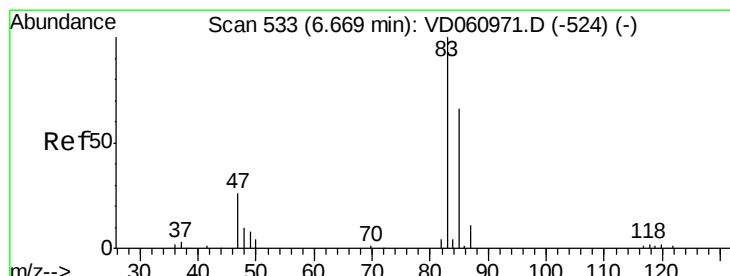
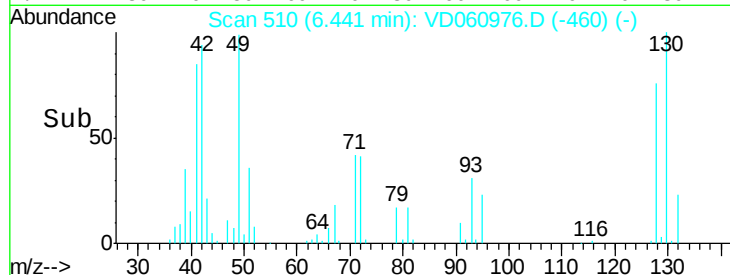
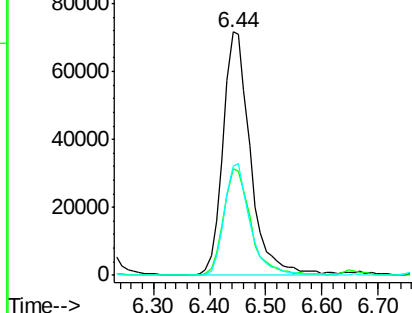
#29  
Tetrahydrofuran  
Concen: 210.732 ug/l  
RT: 6.44 min Scan# 510  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 42 Resp: 245012  
Ion Ratio Lower Upper  
42 100  
72 43.4 34.5 51.7  
71 43.0 33.8 50.6

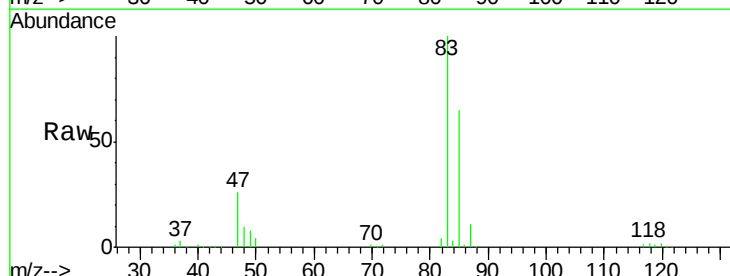


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

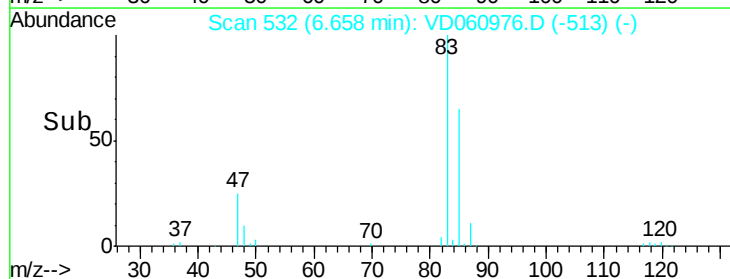
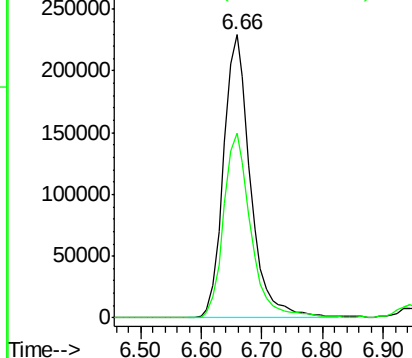


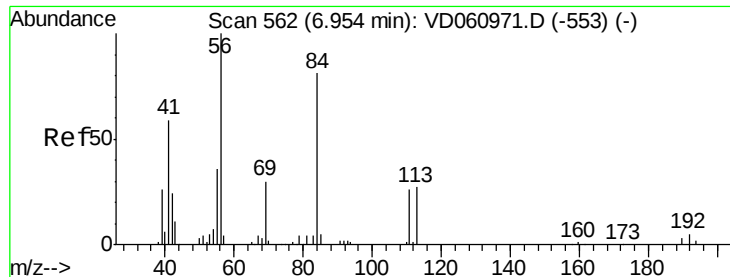
#30  
Chloroform  
Concen: 47.200 ug/l  
RT: 6.66 min Scan# 532  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion: 83 Resp: 708418  
Ion Ratio Lower Upper  
83 100  
85 65.2 53.0 79.4



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

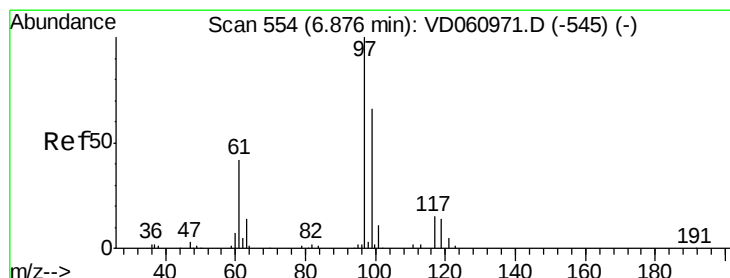
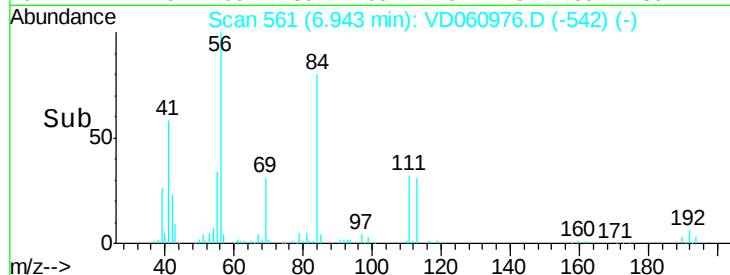
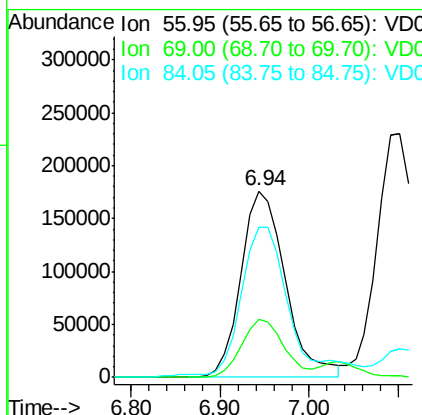
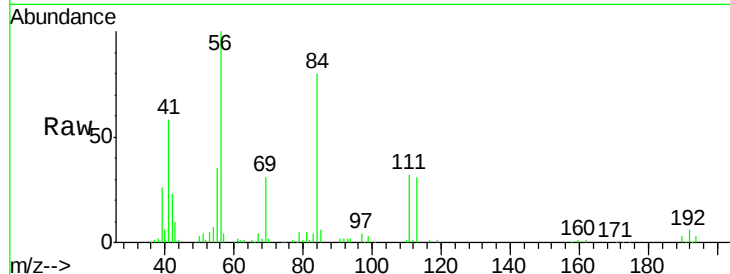




#31  
Cyclohexane  
Concen: 52.130 ug/l  
RT: 6.94 min Scan# 561  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

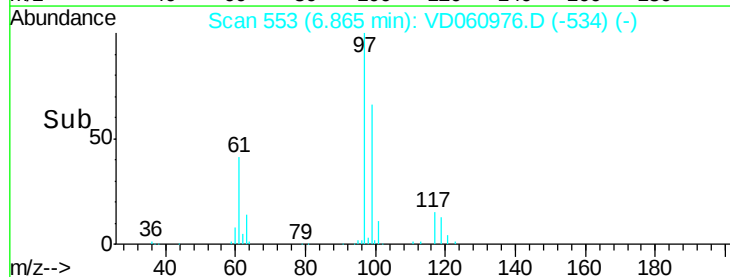
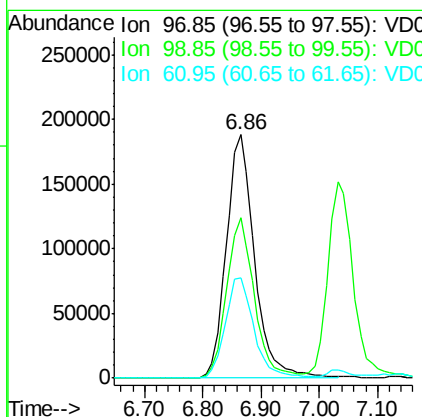
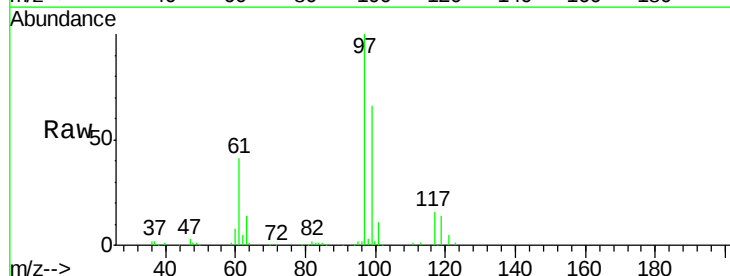
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

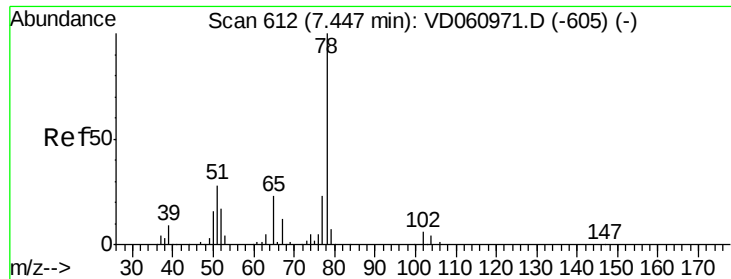
Tot Ion: 56 Resp: 608716  
Ion Ratio Lower Upper  
56 100  
69 31.1 24.0 36.0  
84 80.5 65.8 98.6



#32  
1,1,1-Trichloroethane  
Concen: 48.819 ug/l  
RT: 6.86 min Scan# 553  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion: 97 Resp: 633474  
Ion Ratio Lower Upper  
97 100  
99 65.9 53.2 79.8  
61 41.1 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.819 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

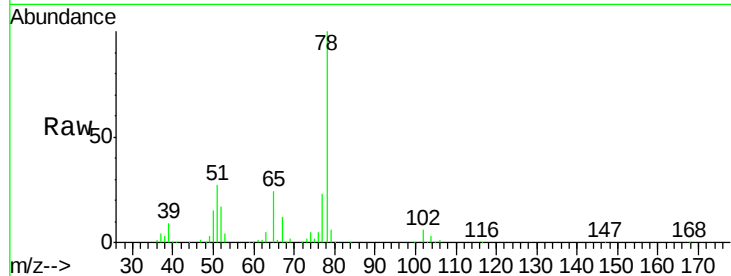
VSTDCCC050

Tot Ion: 65 Resp: 292484

Ion Ratio Lower Upper

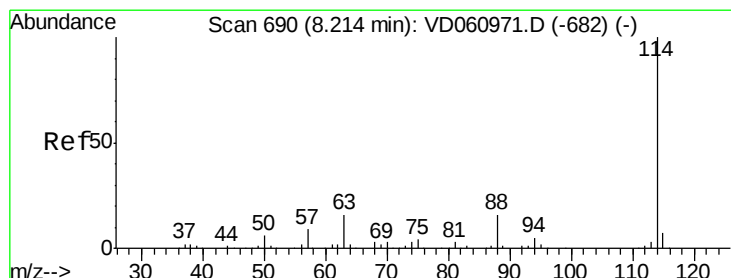
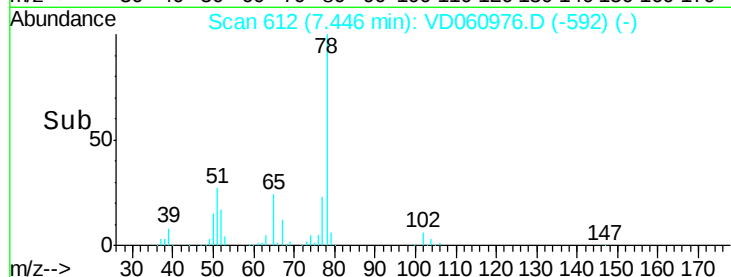
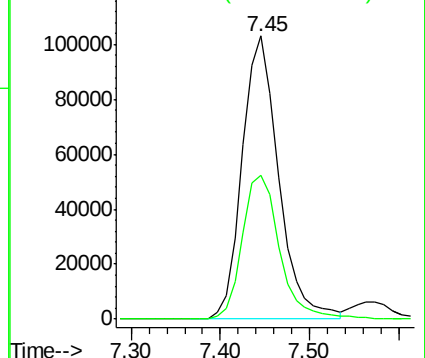
65 100

67 50.8 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

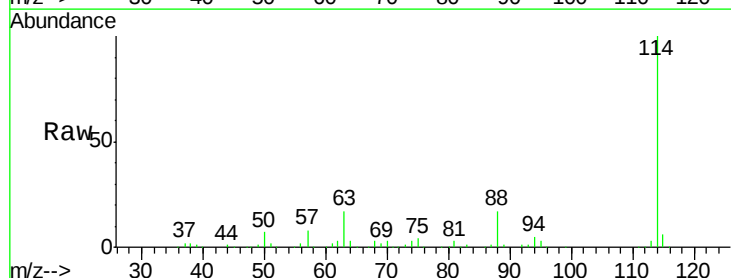
Tgt Ion: 114 Resp: 1363660

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.4

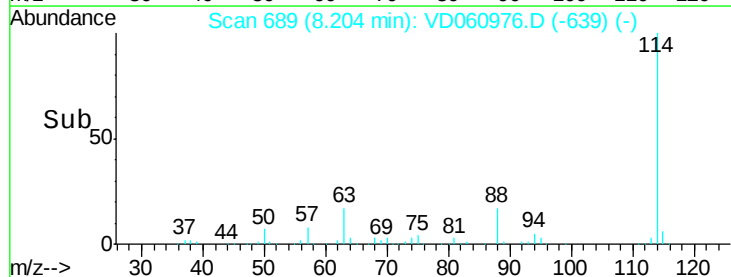
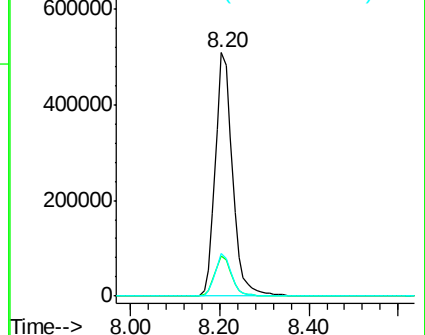
88 17.3 0.0 33.0

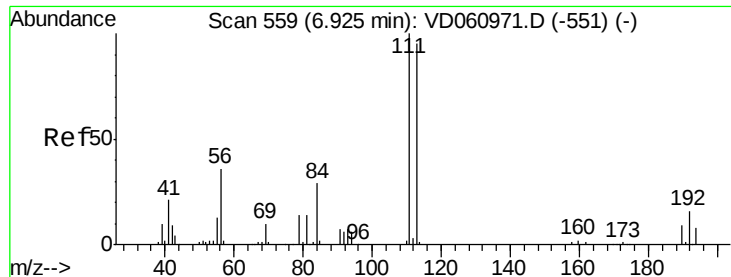


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

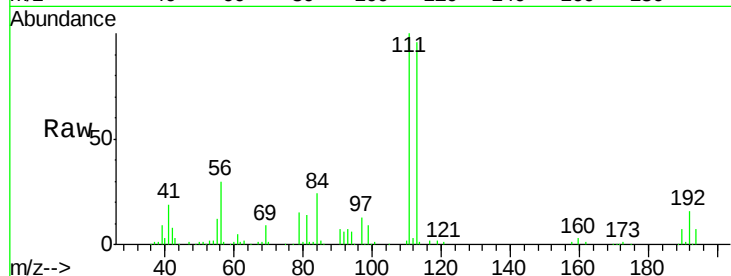
Tot Ion:113 Resp: 481474

Ion Ratio Lower Upper

113 100

111 104.0 84.2 126.4

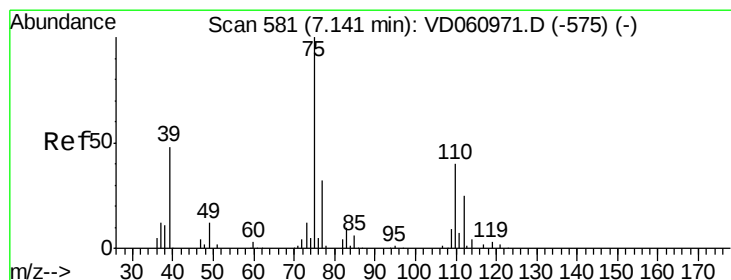
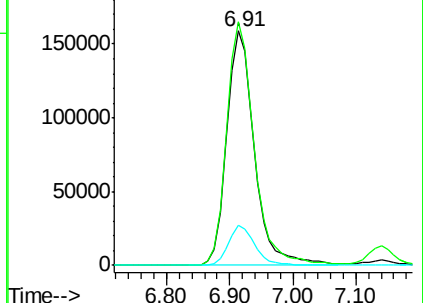
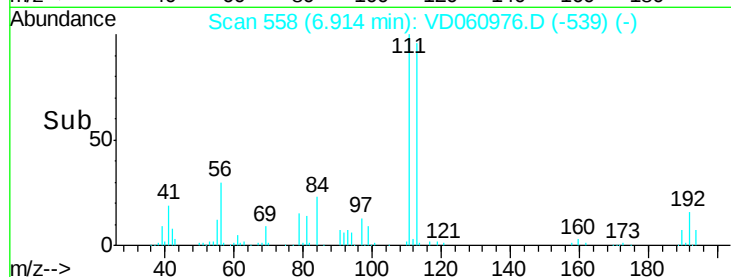
192 17.1 13.1 19.7



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: 45.069 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

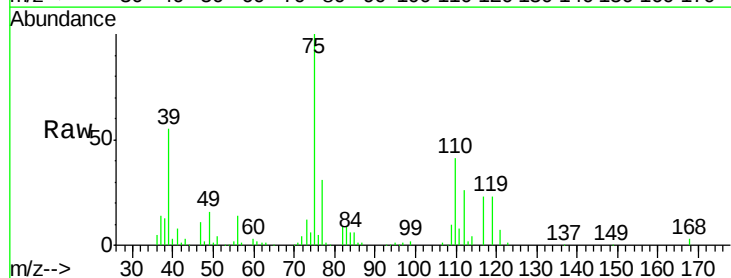
Tgt Ion: 75 Resp: 529769

Ion Ratio Lower Upper

75 100

110 40.9 19.7 59.1

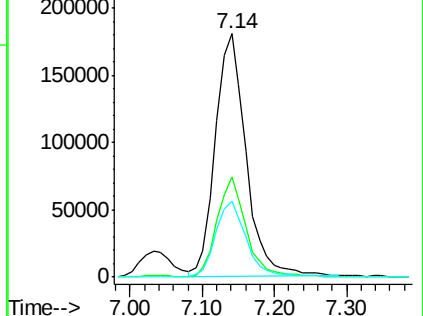
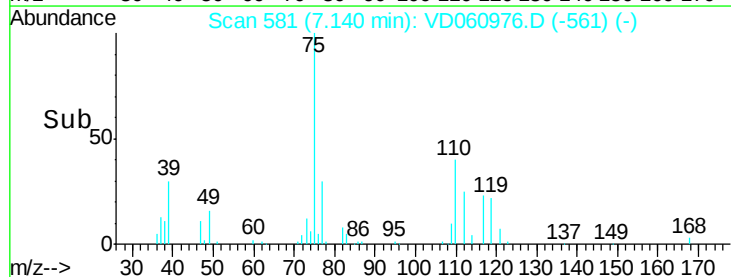
77 31.0 24.7 37.1

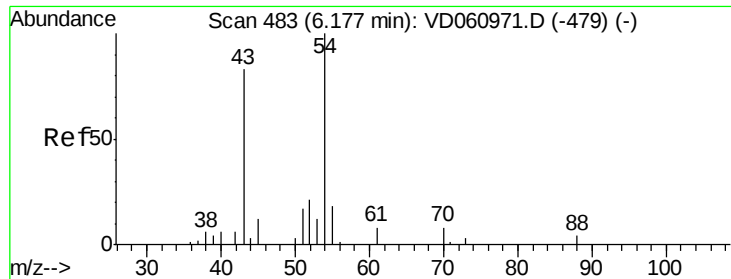


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

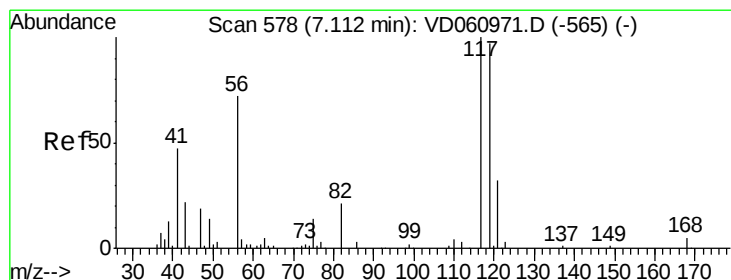
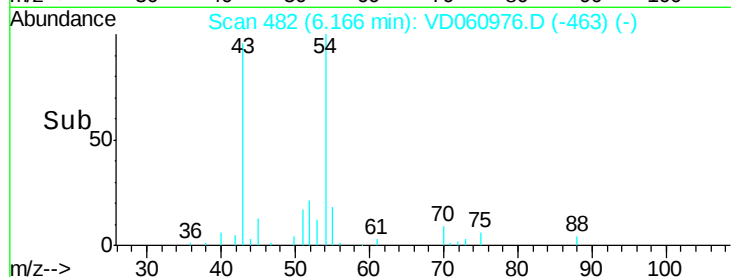
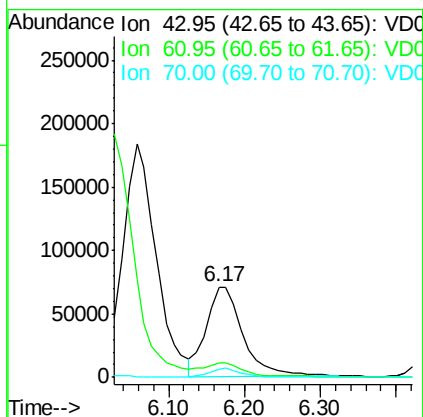
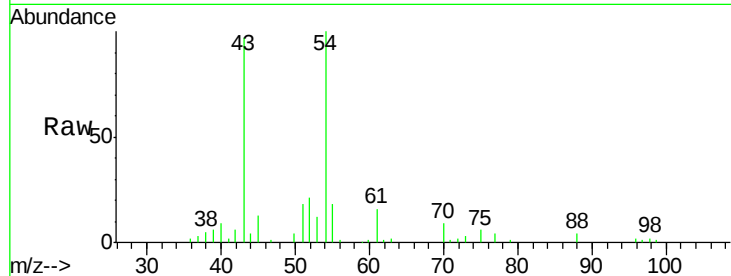




#37  
Ethyl Acetate  
Concen: 43.238 ug/l  
RT: 6.17 min Scan# 482  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

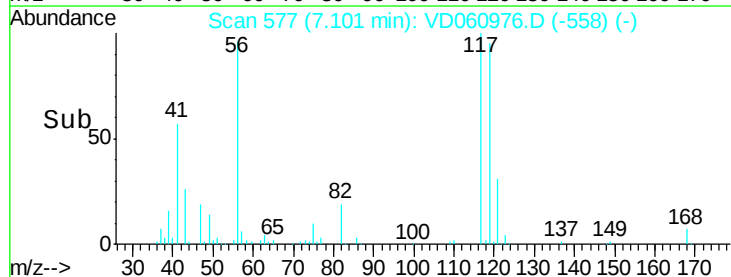
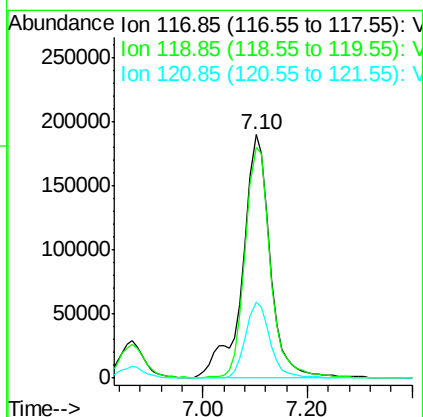
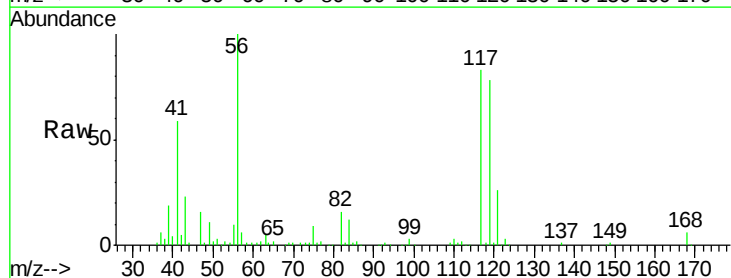
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

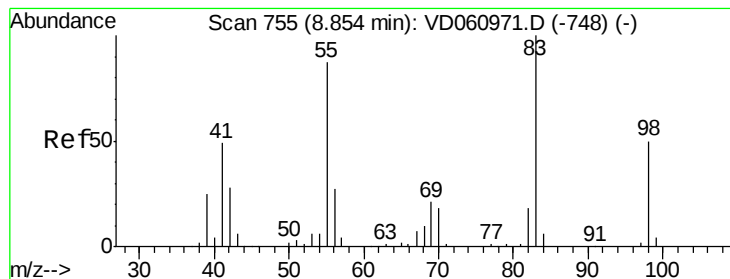
Tot Ion: 43 Resp: 238500  
Ion Ratio Lower Upper  
43 100  
61 16.5 13.7 20.5  
70 9.5 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 52.045 ug/l  
RT: 7.10 min Scan# 577  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion: 117 Resp: 673872  
Ion Ratio Lower Upper  
117 100  
119 94.7 77.8 116.8  
121 31.0 25.3 37.9





#39

Methvlcvclohexane

Concen: 46.258 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

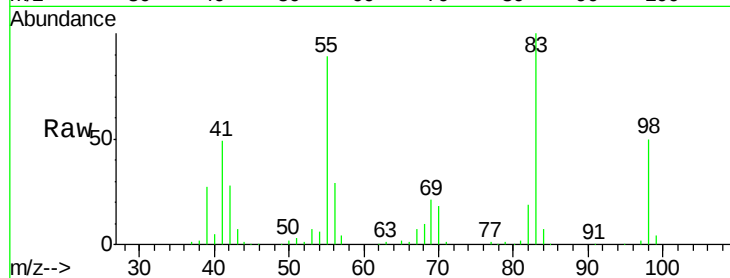
Tot Ion: 83 Resp: 563820

Ion Ratio Lower Upper

83 100

55 89.1 69.6 104.4

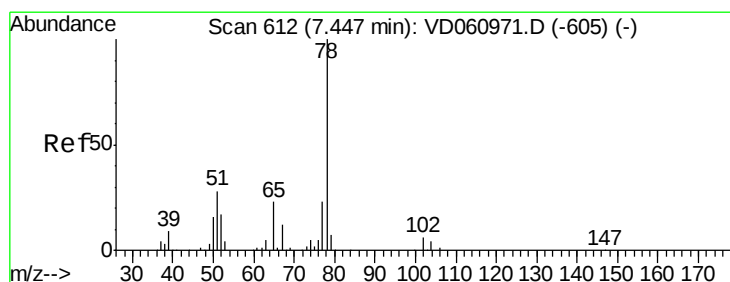
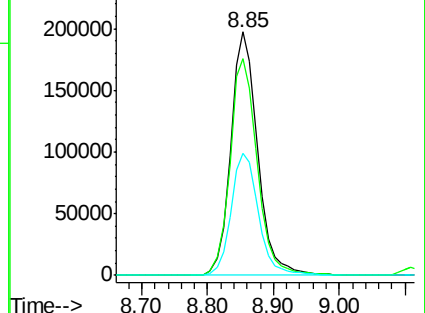
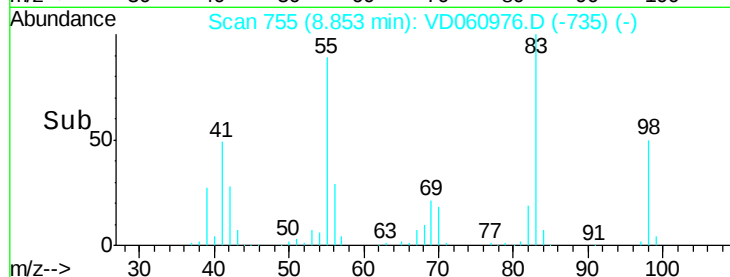
98 50.4 40.0 60.0



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: 44.514 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD060976.D

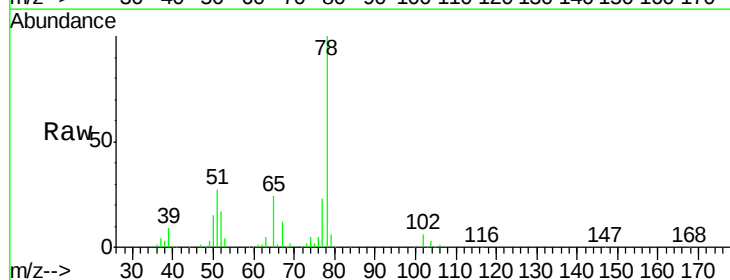
Acq: 8 Mar 2019 10:33

Tgt Ion: 78 Resp: 1307442

Ion Ratio Lower Upper

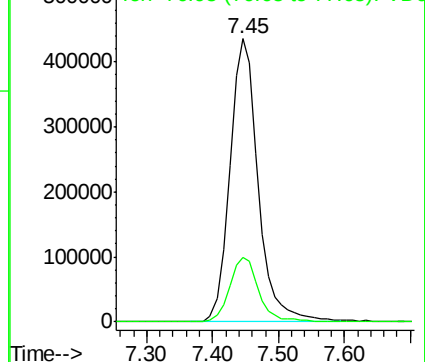
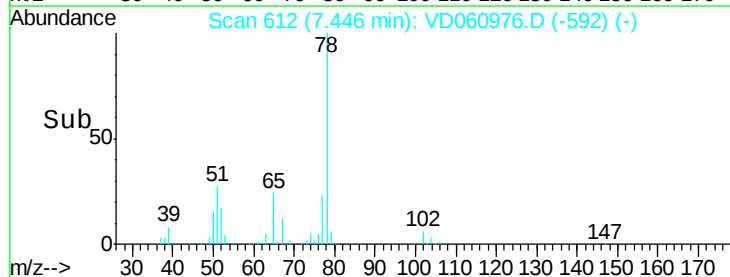
78 100

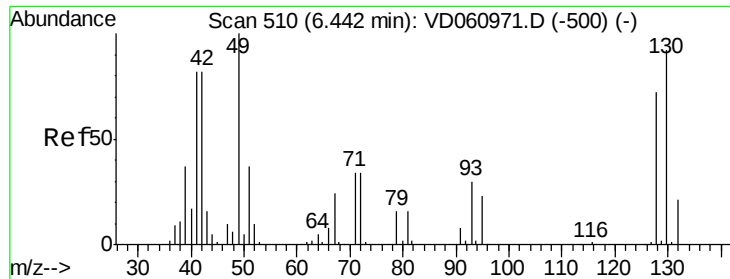
77 23.0 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

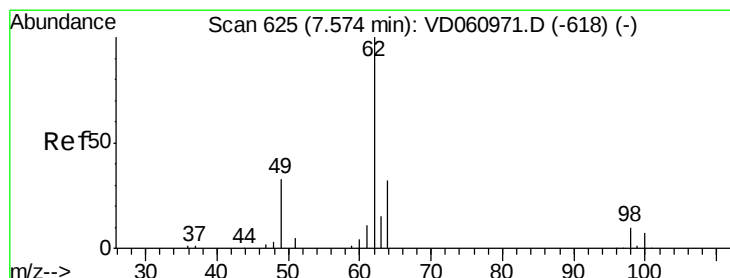
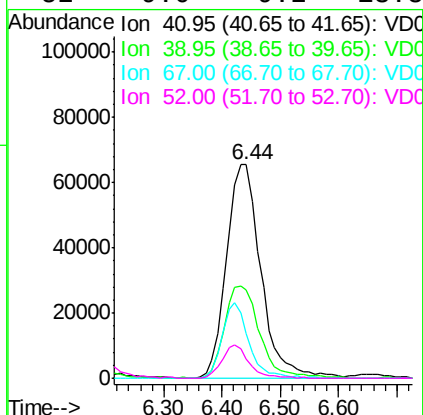
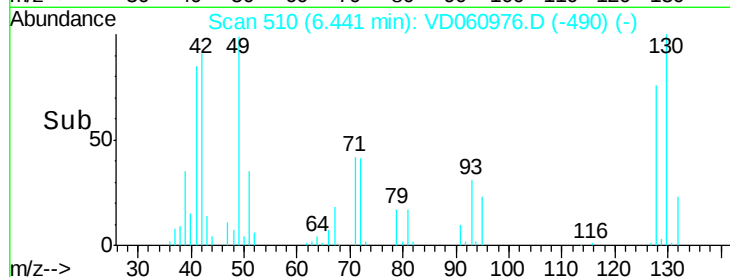
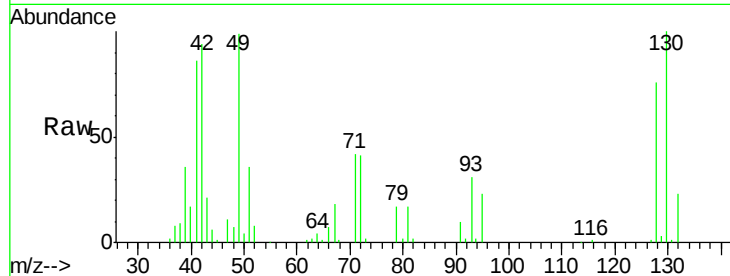




#41  
Methacrylonitrile  
Concen: 42.531 ug/l  
RT: 6.44 min Scan# 510  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

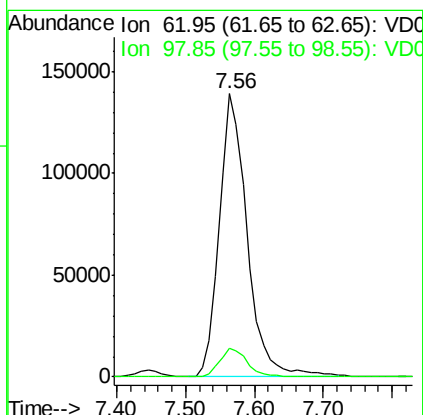
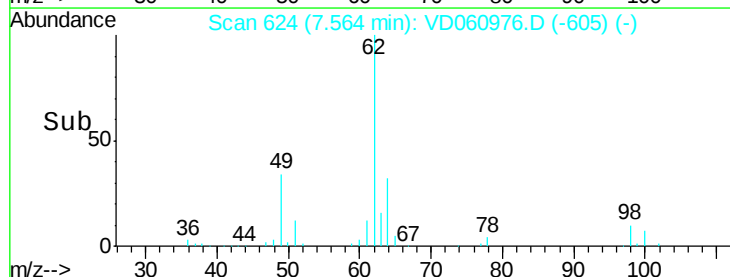
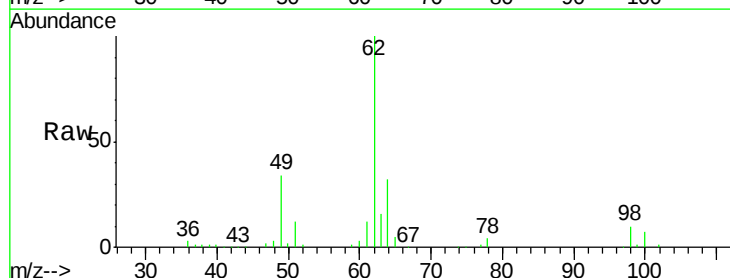
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

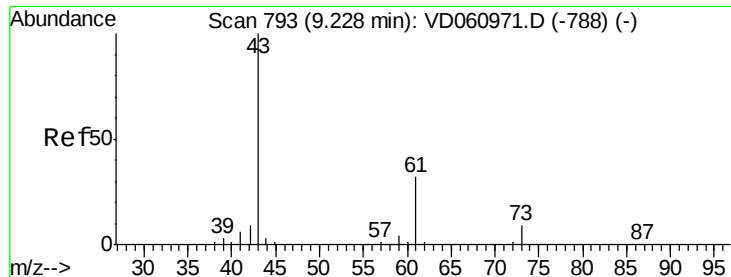
Tot Ion: 41 Resp: 269844  
Ion Ratio Lower Upper  
41 100  
39 41.5 35.7 53.5  
67 20.8 23.0 34.6#  
52 9.0 9.2 13.8#



#42  
1,2-Dichloroethane  
Concen: 45.855 ug/l  
RT: 7.56 min Scan# 624  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion: 62 Resp: 390848  
Ion Ratio Lower Upper  
62 100  
98 10.1 0.0 20.4



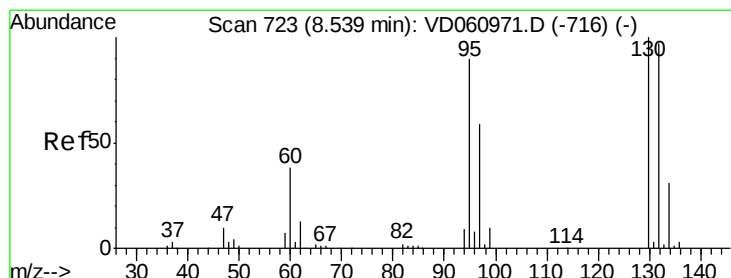
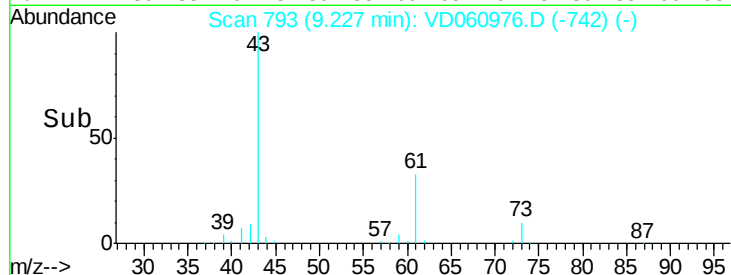
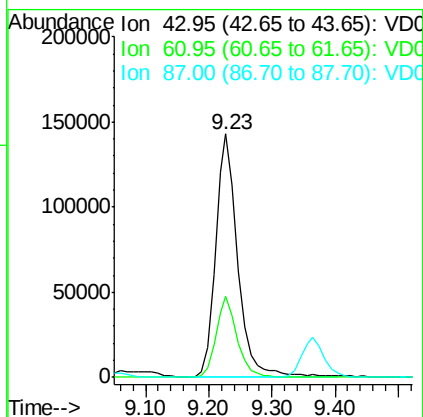
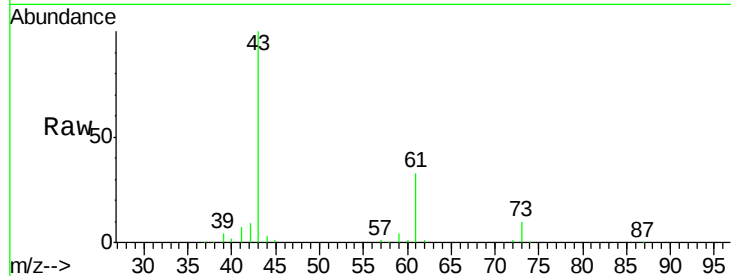


#43

Isopropyl Acetate  
 Concen: 46.155 ug/l  
 RT: 9.23 min Scan# 793  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

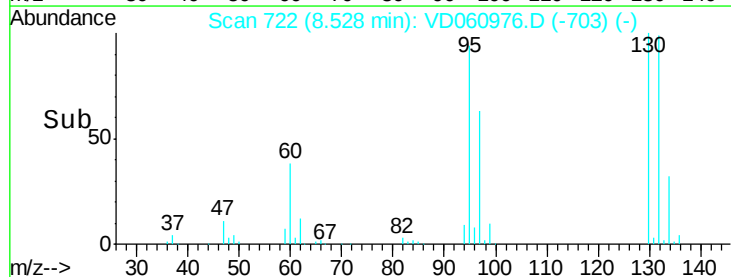
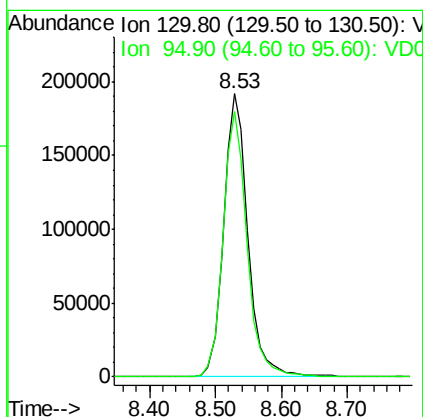
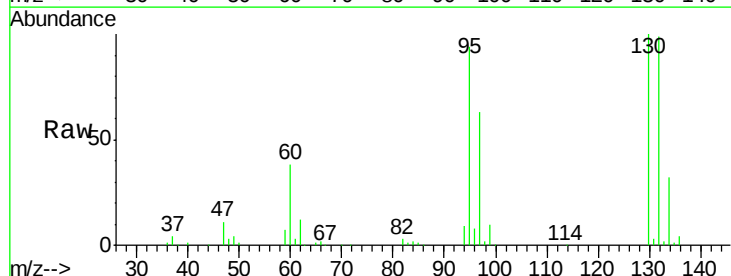
Tot Ion: 43 Resp: 352620  
 Ion Ratio Lower Upper  
 43 100  
 61 33.2 25.6 38.4  
 87 0.4 0.2 0.4#

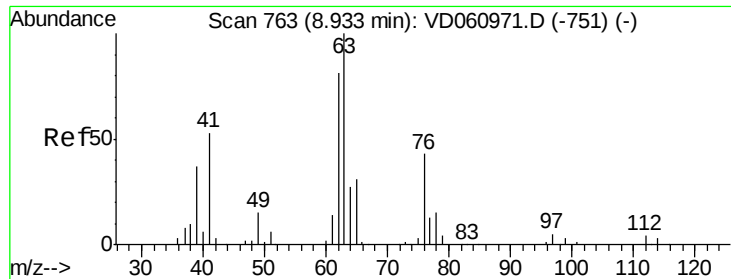


#44

Trichloroethene  
 Concen: 48.617 ug/l  
 RT: 8.53 min Scan# 722  
 Delta R.T. -0.01 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion: 130 Resp: 492636  
 Ion Ratio Lower Upper  
 130 100  
 95 93.6 0.0 179.4





#45

1,2-Dichloropropane

Concen: 45.615 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

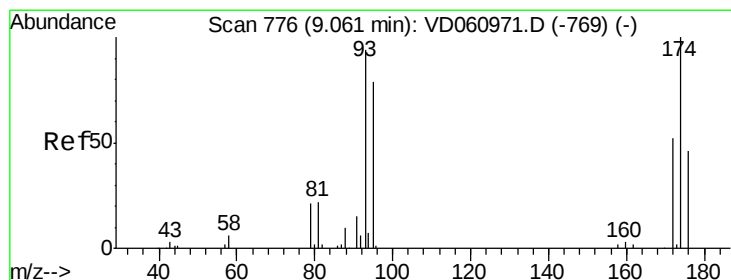
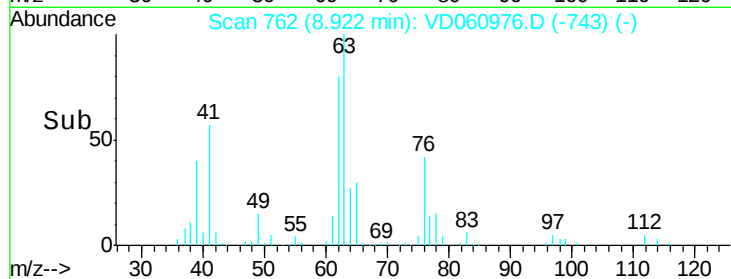
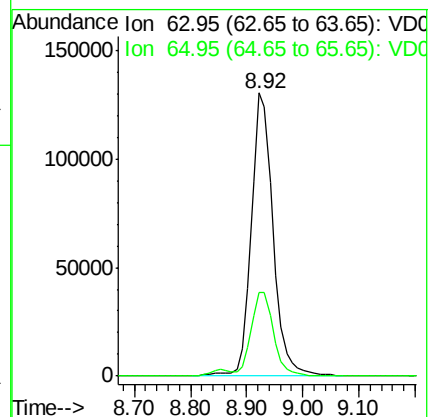
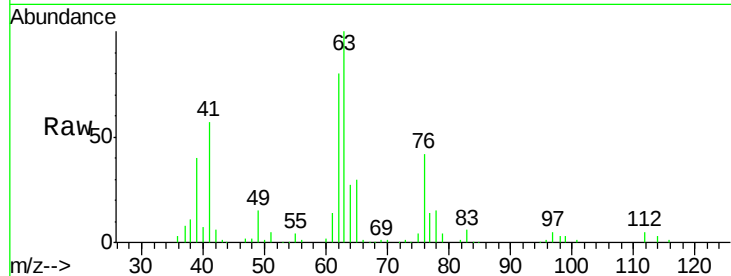
VSTDCCC050

Tot Ion: 63 Resp: 351995

Ion Ratio Lower Upper

63 100

65 29.6 24.8 37.2



#46

Dibromomethane

Concen: 45.817 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

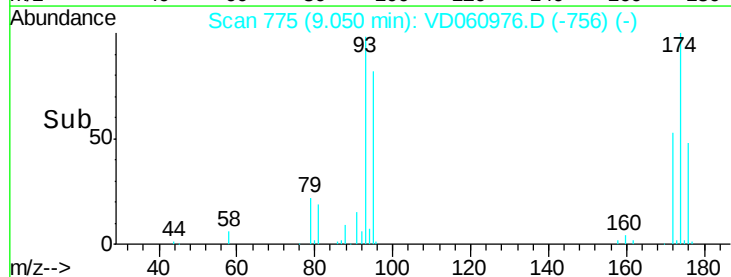
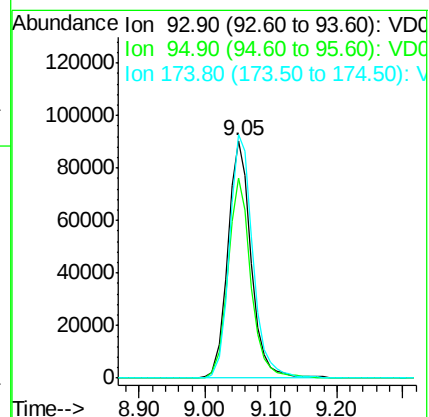
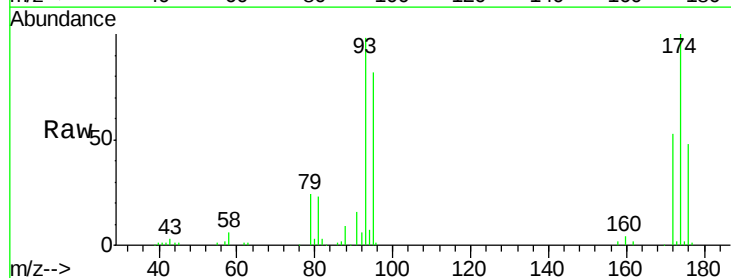
Tgt Ion: 93 Resp: 224267

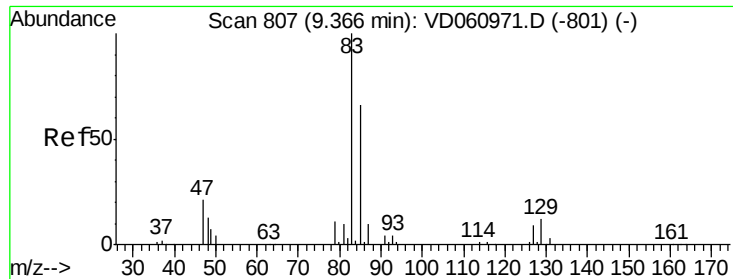
Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.0

174 102.4 85.4 128.0





#47

Bromodichloromethane

Concen: 50.006 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

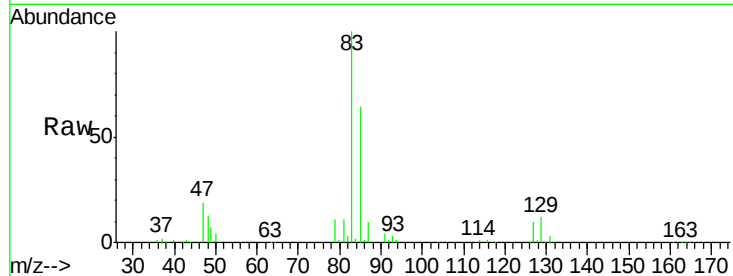
Tot Ion: 83 Resp: 552346

Ion Ratio Lower Upper

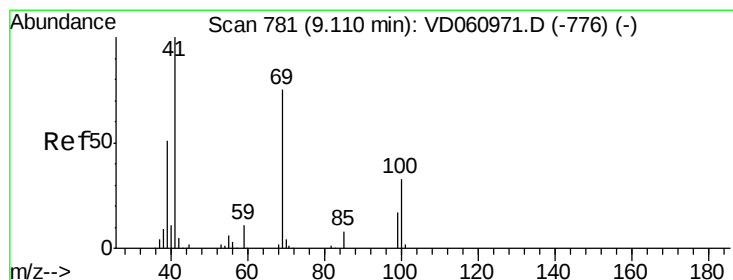
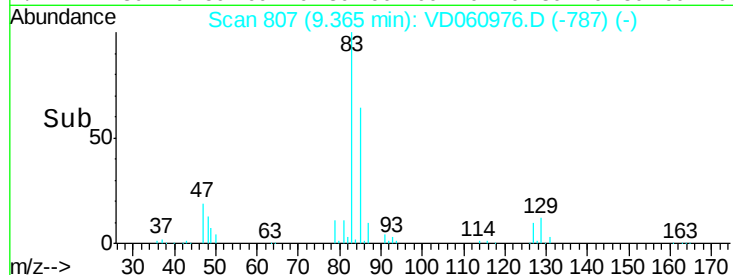
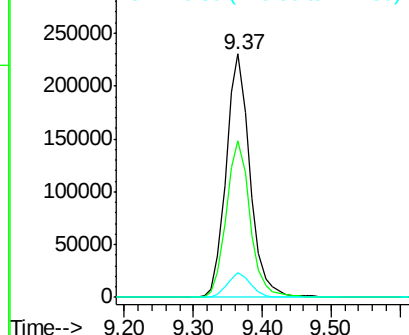
83 100

85 64.1 52.5 78.7

127 10.3 7.5 11.3



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): V



#48

Methyl methacrylate

Concen: 45.210 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

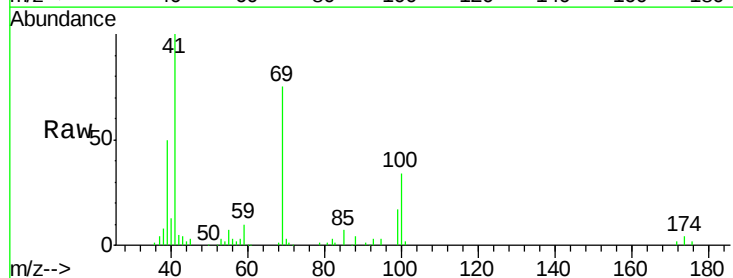
Tgt Ion: 41 Resp: 194471

Ion Ratio Lower Upper

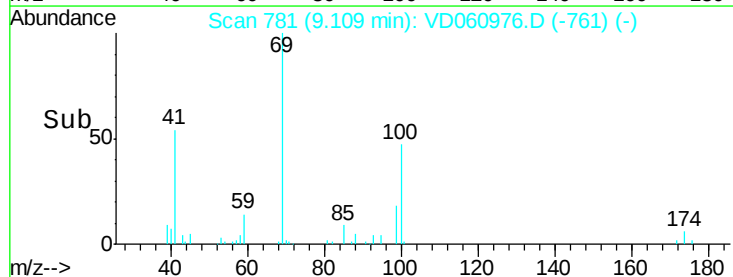
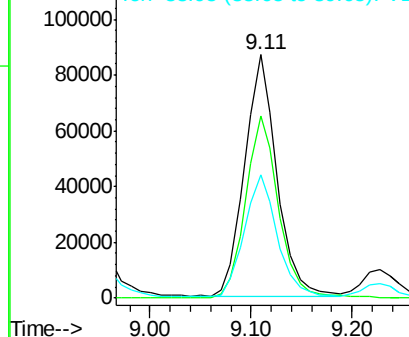
41 100

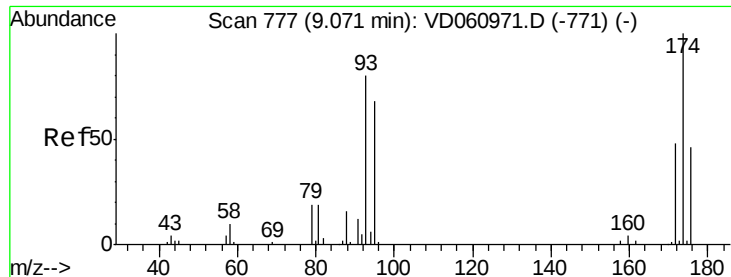
69 74.9 59.9 89.9

39 50.4 40.9 61.3



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

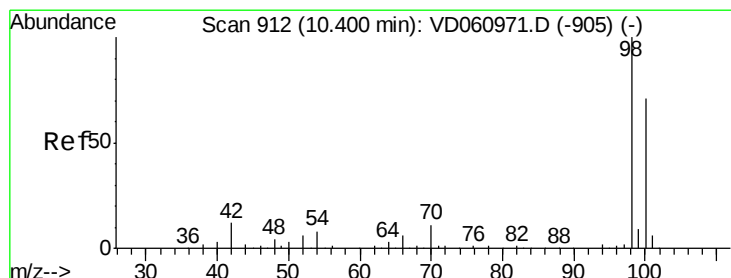
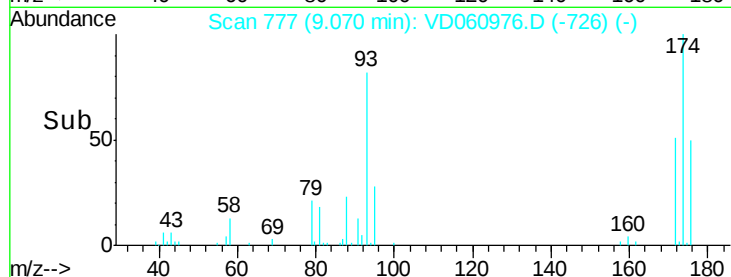
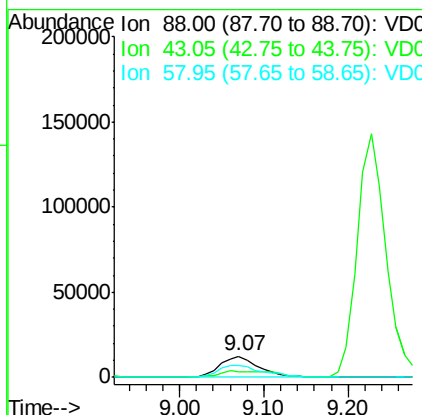
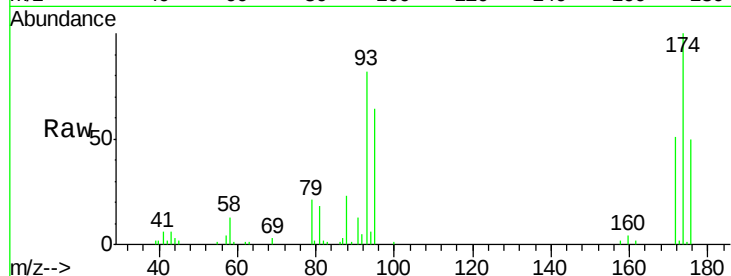




#49  
 1,4-Dioxane  
 Concen: 909.806 ug/l  
 RT: 9.07 min Scan# 777  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

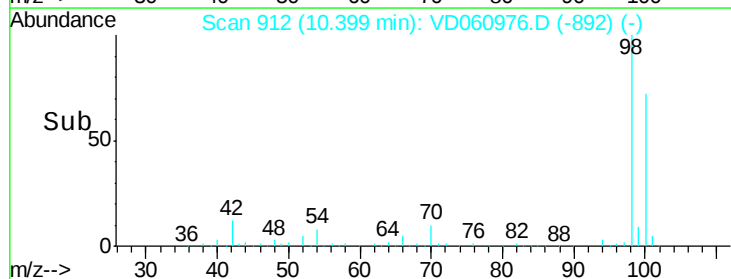
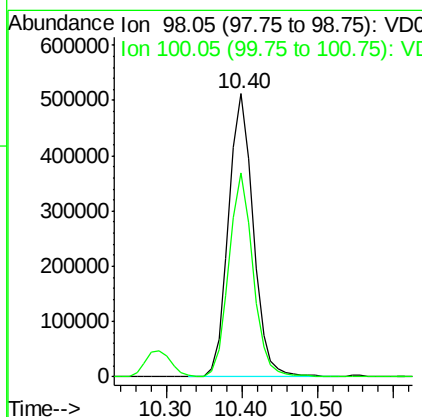
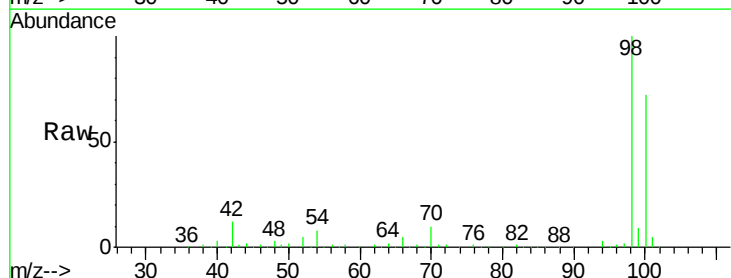
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

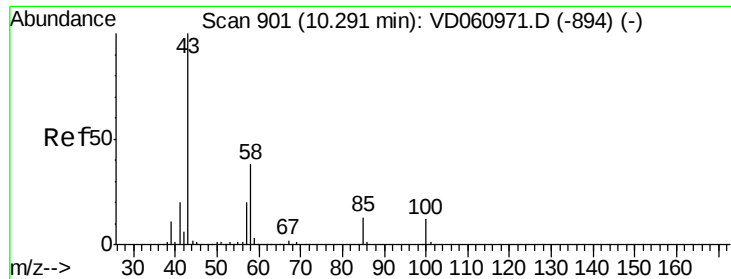
Tot Ion: 88 Resp: 39573  
 Ion Ratio Lower Upper  
 88 100  
 43 28.0 21.0 31.6  
 58 58.0 48.6 72.8



#50  
 Toluene-d8  
 Concen: 909.806 ug/l  
 RT: 10.40 min Scan# 912  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion: 98 Resp: 1161252  
 Ion Ratio Lower Upper  
 98 100  
 100 72.2 57.4 86.2

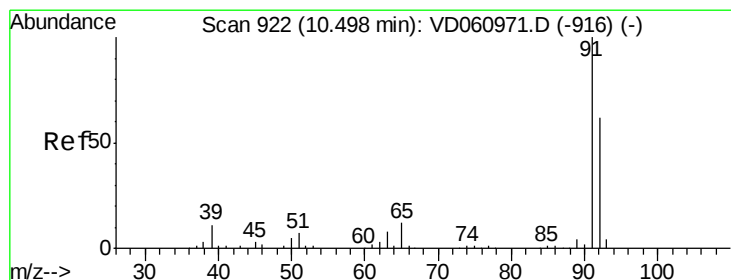
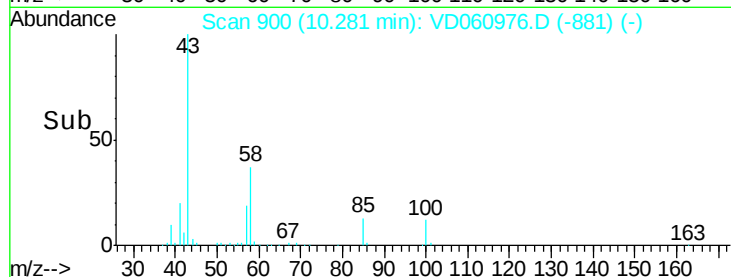
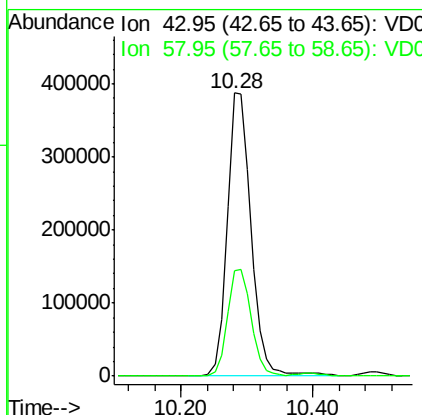
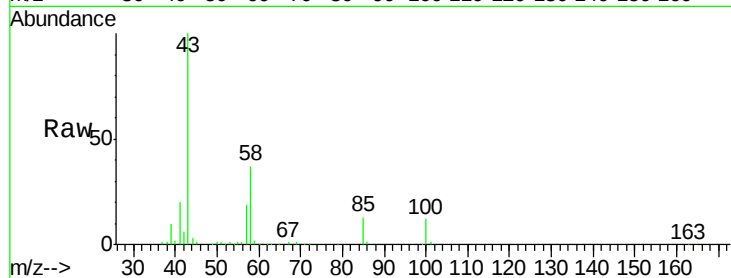




#51  
4-Methyl-2-Pentanone  
Concen: 209.925 ug/l  
RT: 10.28 min Scan# 900  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

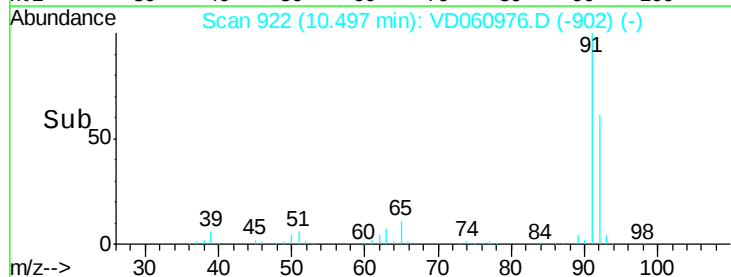
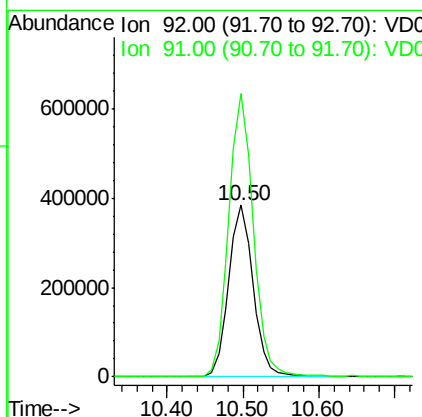
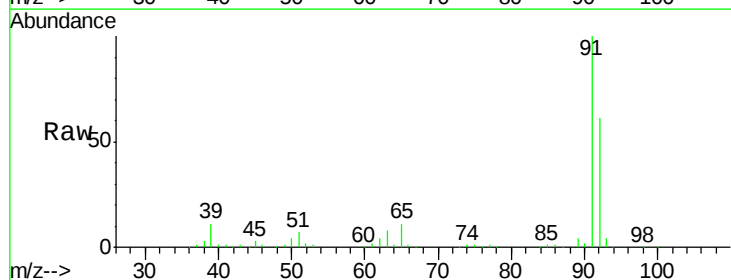
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

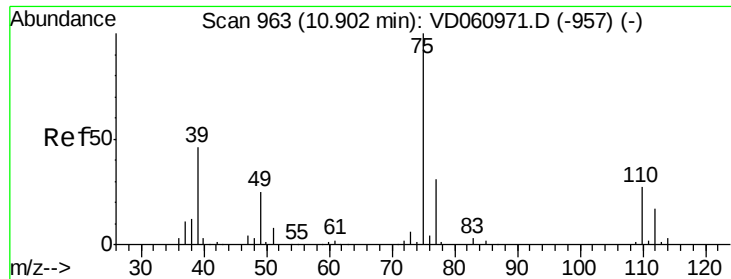
Tot Ion: 43 Resp: 982527  
Ion Ratio Lower Upper  
43 100  
58 37.4 30.2 45.2



#52  
Toluene  
Concen: 47.160 ug/l  
RT: 10.50 min Scan# 922  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion: 92 Resp: 861356  
Ion Ratio Lower Upper  
92 100  
91 165.0 129.8 194.8

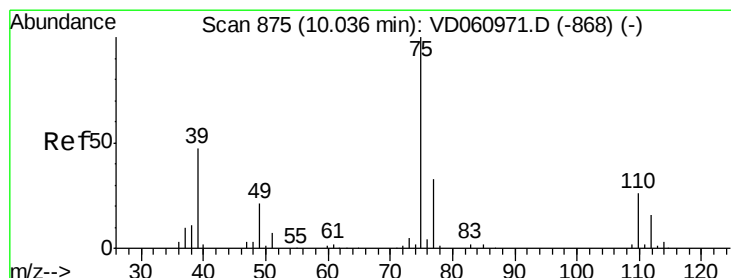
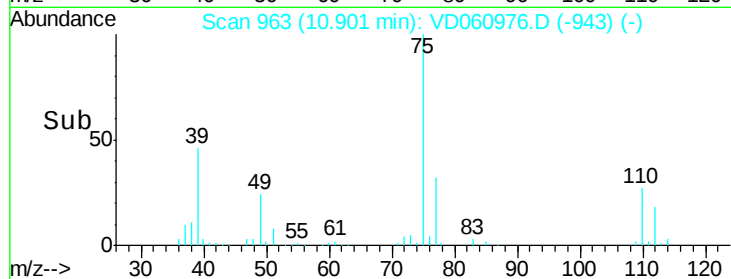
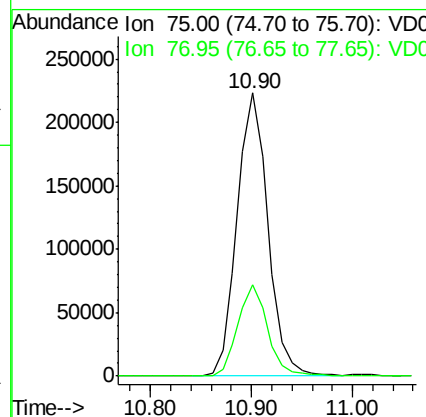
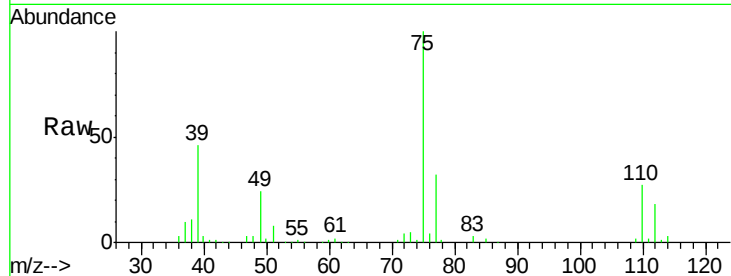




#53  
 t-1,3-Dichloropropene  
 Concen: 47.121 ug/l  
 RT: 10.90 min Scan# 963  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

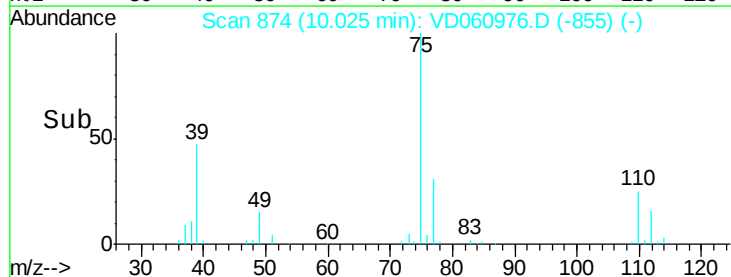
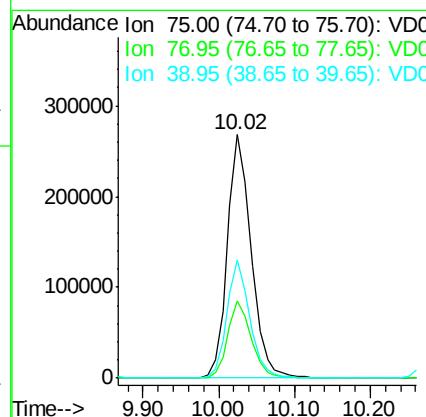
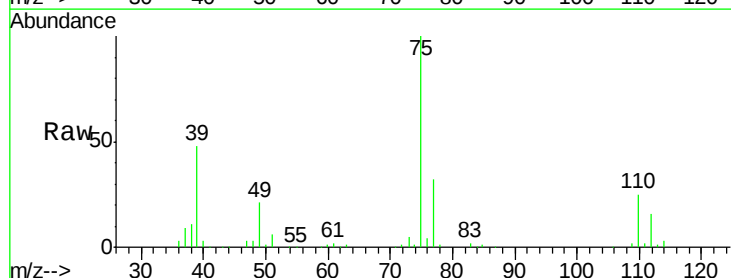
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

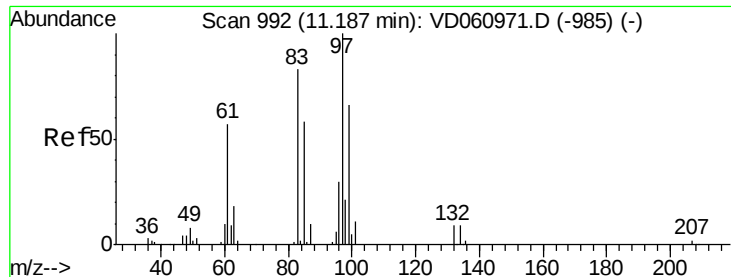
Tot Ion: 75 Resp: 475928  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 24.7 37.1



#54  
 cis-1,3-Dichloropropene  
 Concen: 48.282 ug/l  
 RT: 10.02 min Scan# 874  
 Delta R.T. -0.01 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion: 75 Resp: 585924  
 Ion Ratio Lower Upper  
 75 100  
 77 31.6 26.2 39.4  
 39 48.4 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 43.982 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 267520

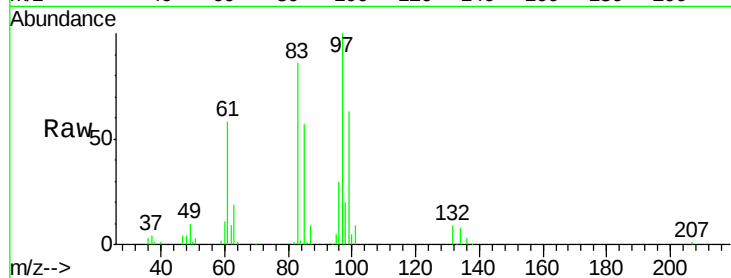
Ion Ratio Lower Upper

97 100

83 85.6 66.6 100.0

85 56.9 46.4 69.6

99 63.0 52.4 78.6

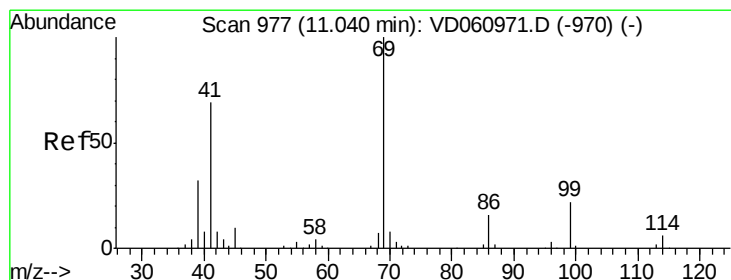
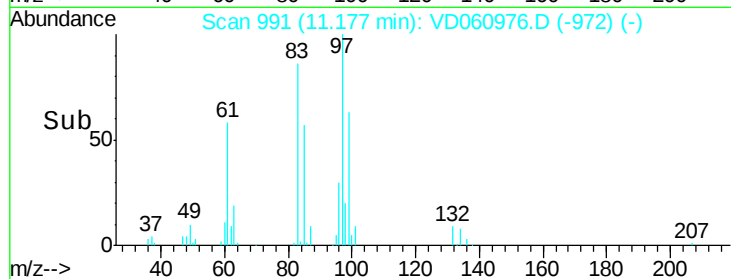
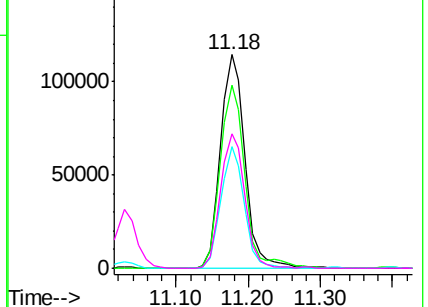


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 47.022 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

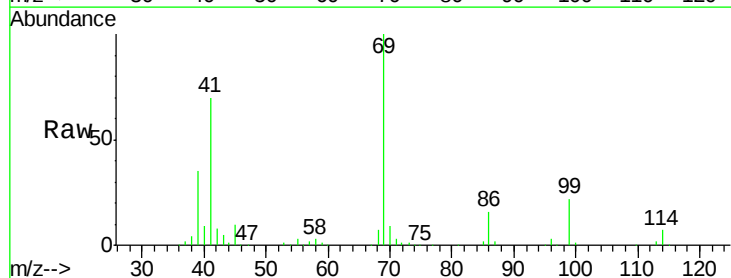
Tgt Ion: 69 Resp: 299366

Ion Ratio Lower Upper

69 100

41 69.7 55.5 83.3

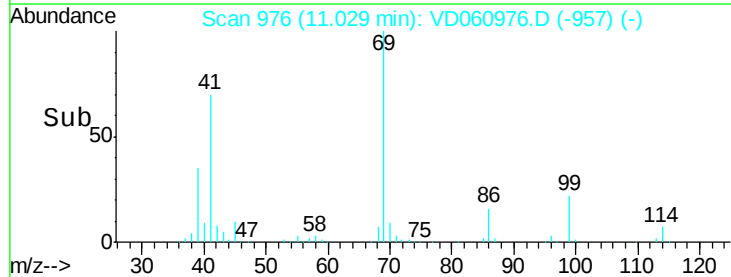
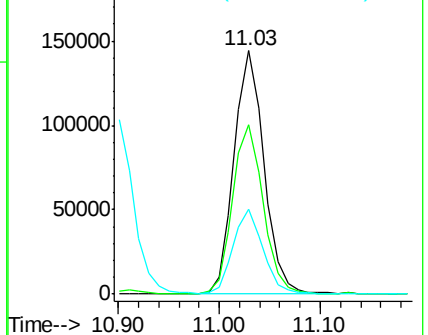
39 34.8 26.2 39.2

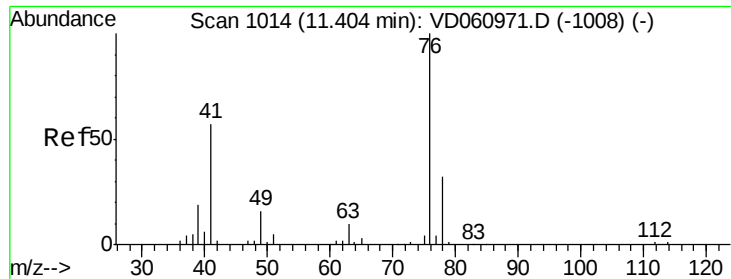


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

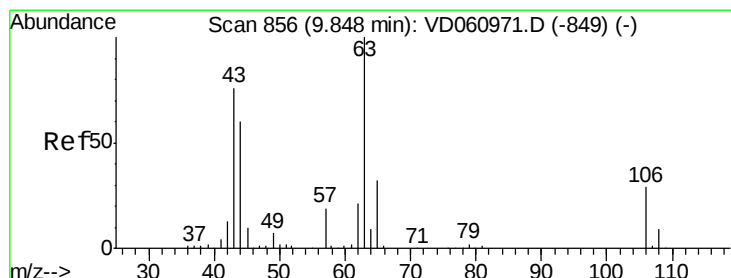
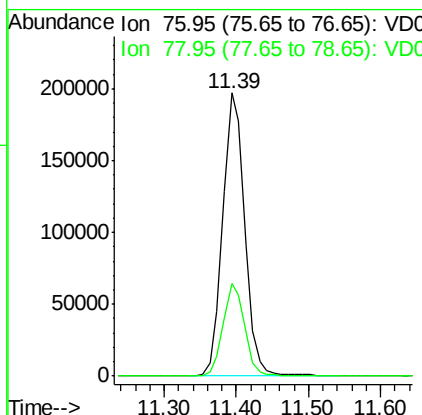
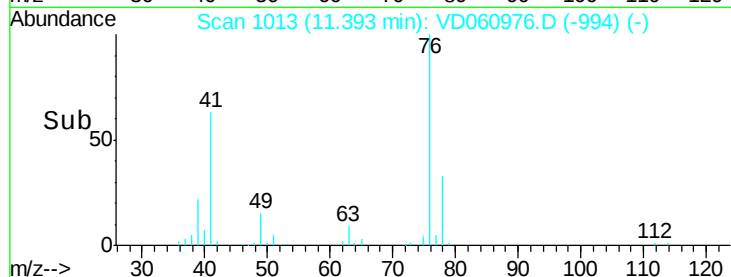
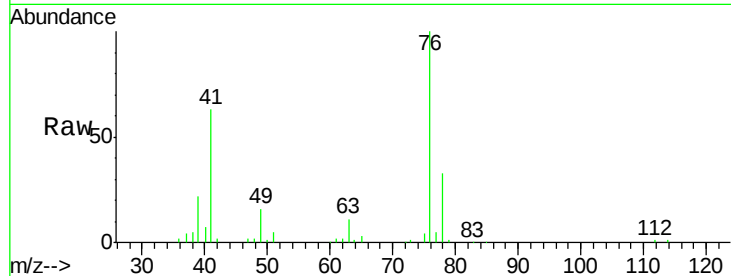




#57  
 1,3-Dichloropropane  
 Concen: 45.801 ug/l  
 RT: 11.39 min Scan# 1013  
 Delta R.T. -0.01 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

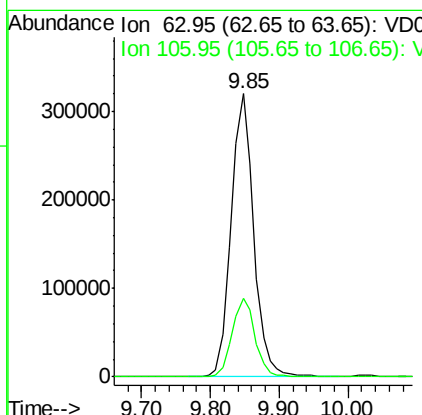
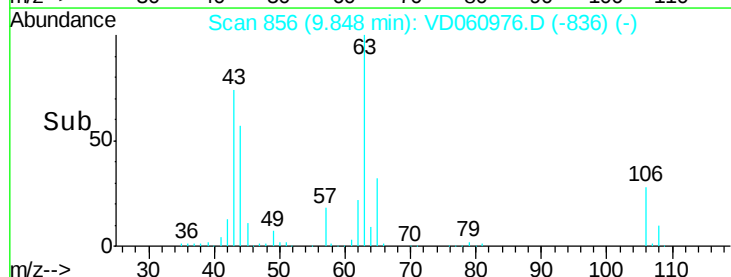
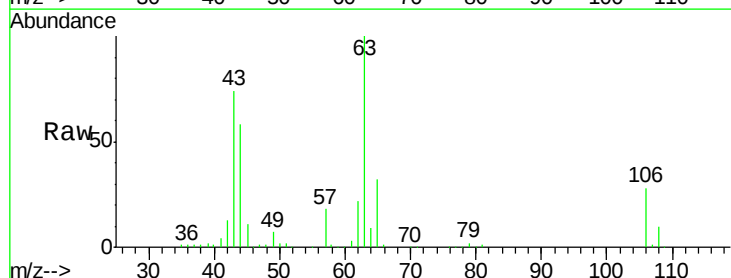
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

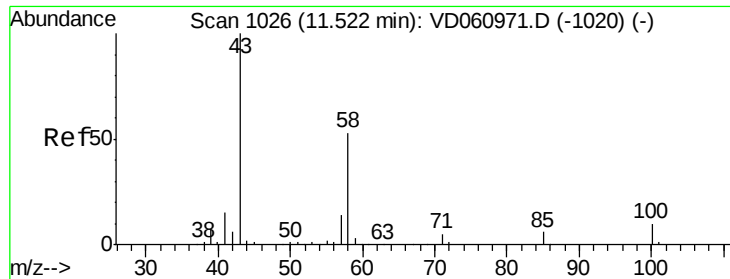
Tot Ion: 76 Resp: 416307  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 25.4 38.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 215.557 ug/l  
 RT: 9.85 min Scan# 856  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion: 63 Resp: 726421  
 Ion Ratio Lower Upper  
 63 100  
 106 27.8 22.8 34.2

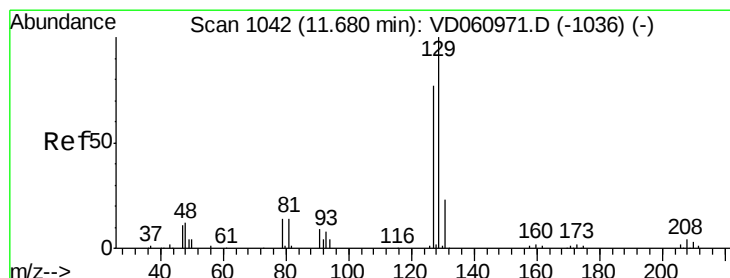
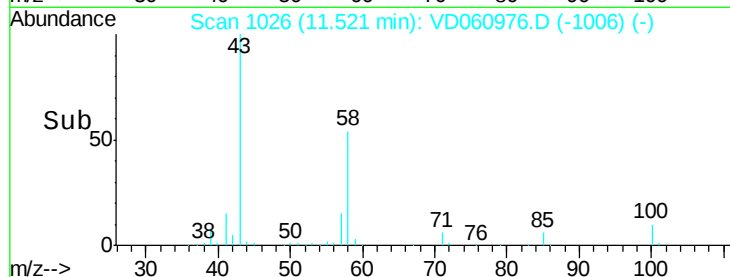
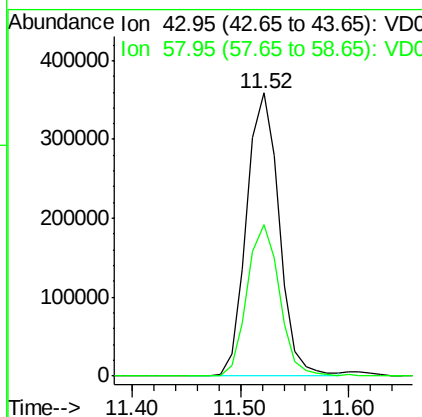
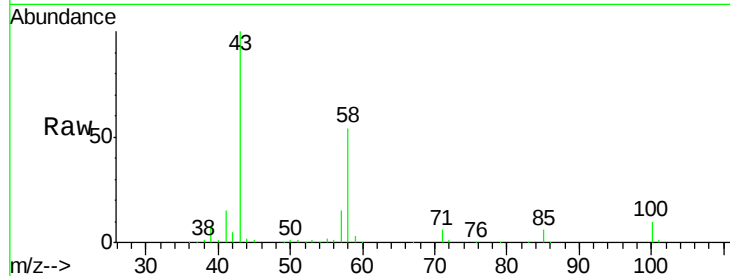




#59  
2-Hexanone  
Concen: 220.581 ug/l  
RT: 11.52 min Scan# 1026  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

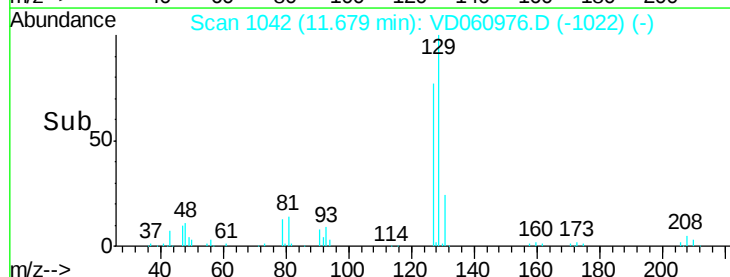
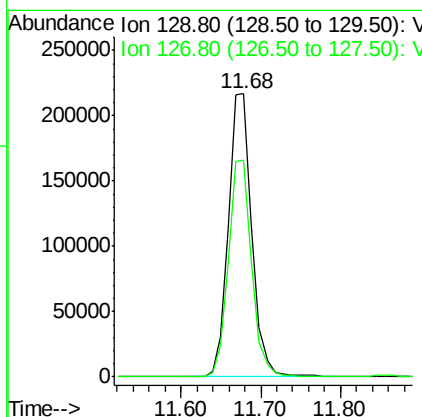
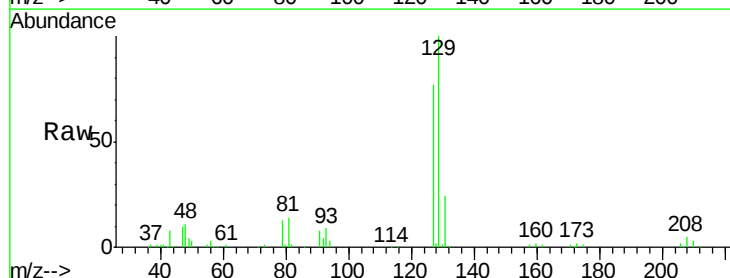
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

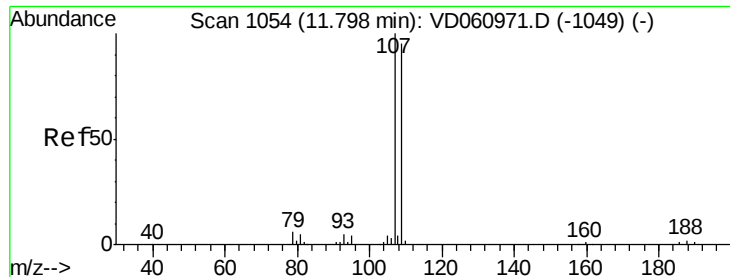
Tot Ion: 43 Resp: 755198  
Ion Ratio Lower Upper  
43 100  
58 53.6 26.5 79.5



#60  
Dibromochloromethane  
Concen: 50.048 ug/l  
RT: 11.68 min Scan# 1042  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion: 129 Resp: 448012  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.3 114.9

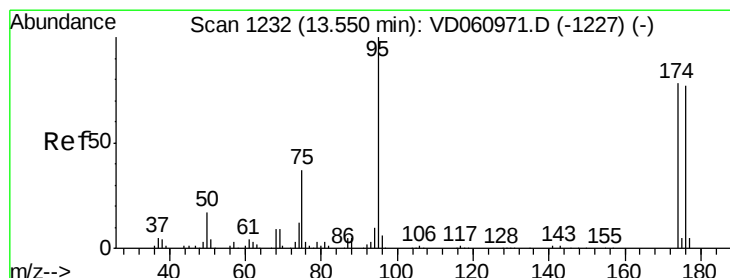
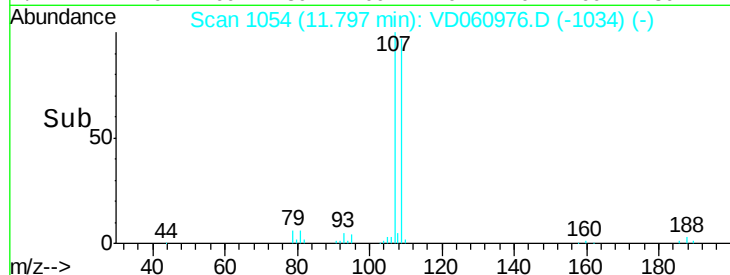
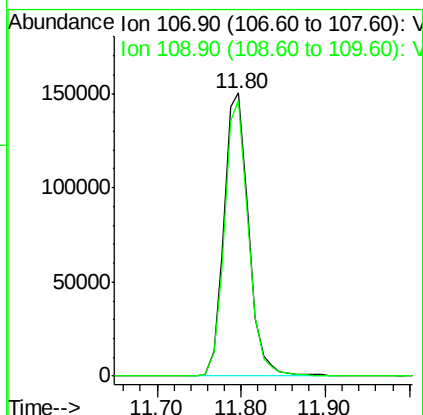
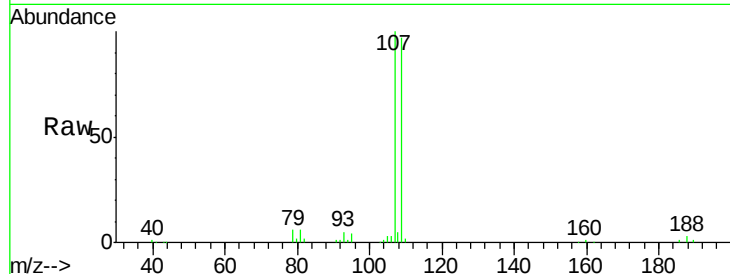




#61  
 1,2-Dibromoethane  
 Concen: 42.977 ug/l  
 RT: 11.80 min Scan# 1054  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

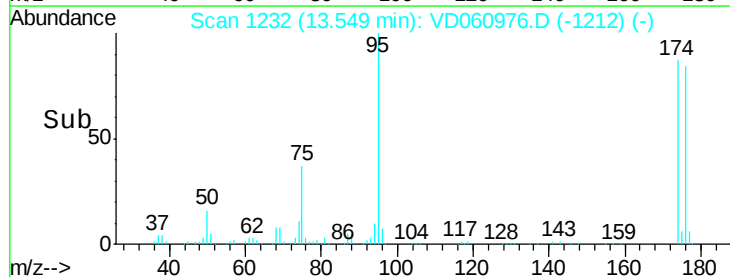
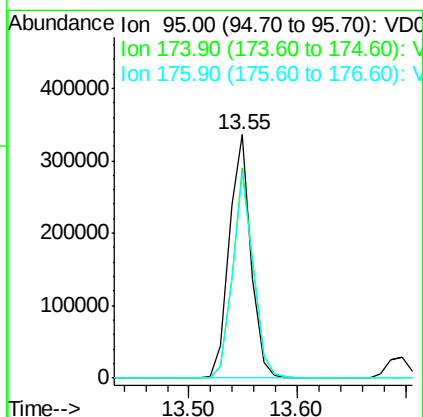
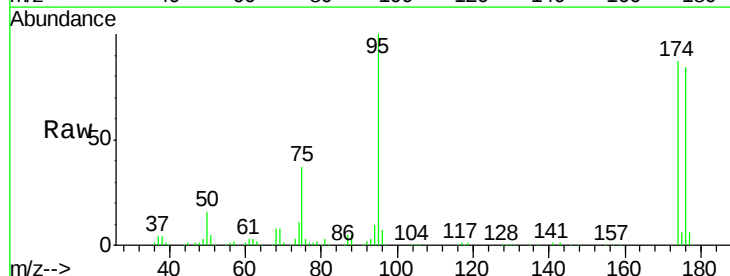
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

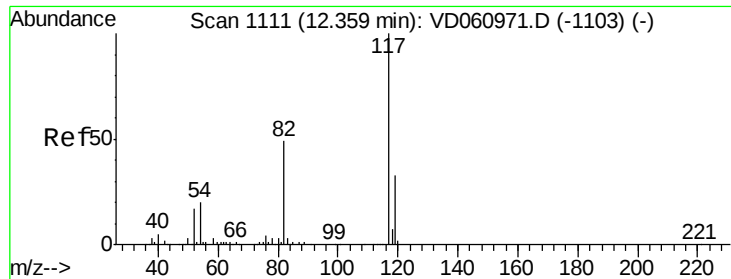
Tot Ion:107 Resp: 304091  
 Ion Ratio Lower Upper  
 107 100  
 109 97.4 75.6 113.4



#62  
 4-Bromofluorobenzene  
 Concen: 42.977 ug/l  
 RT: 13.55 min Scan# 1232  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion: 95 Resp: 466643  
 Ion Ratio Lower Upper  
 95 100  
 174 86.6 0.0 155.6  
 176 84.3 0.0 153.8

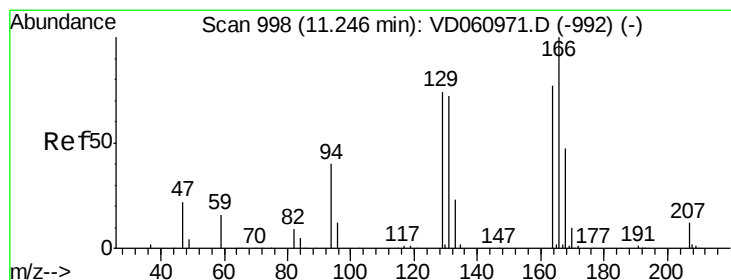
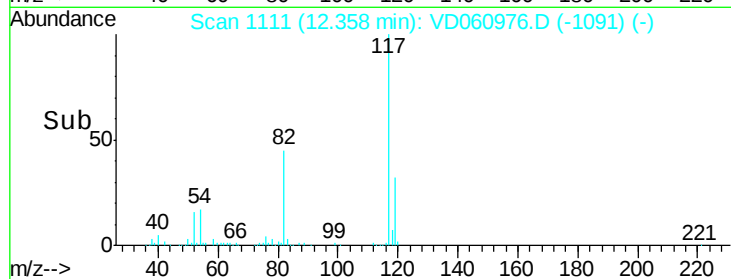
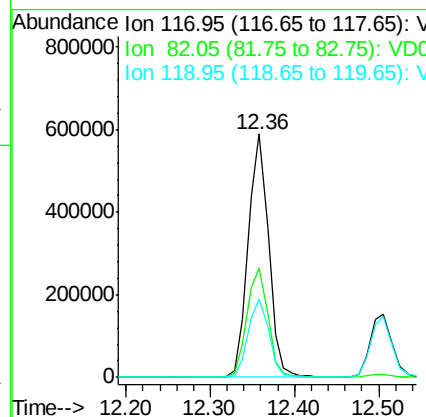
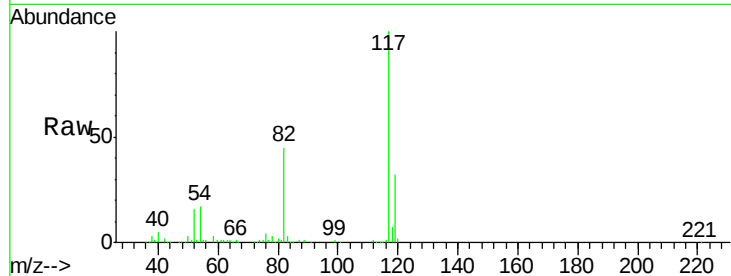




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

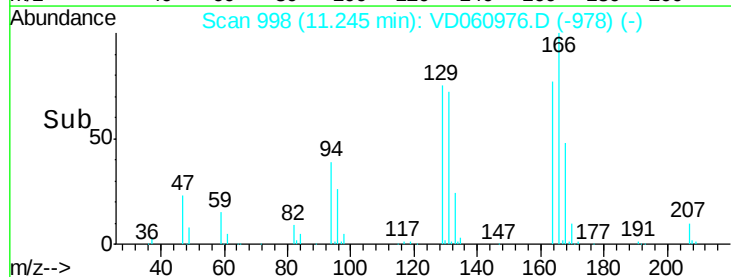
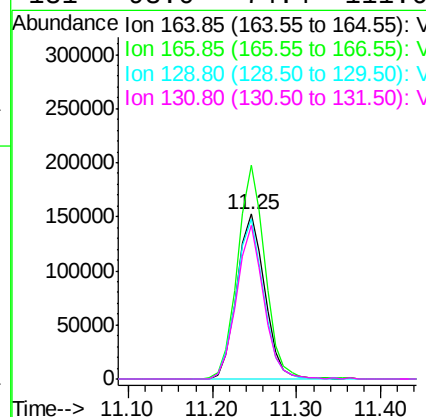
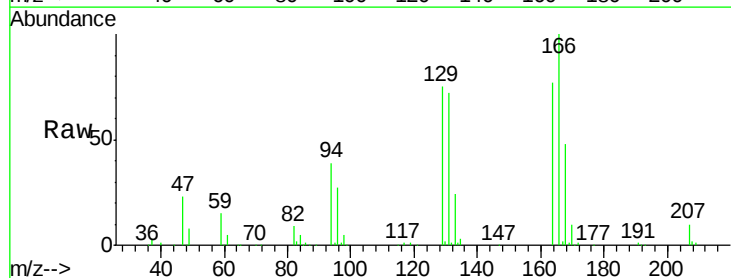
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

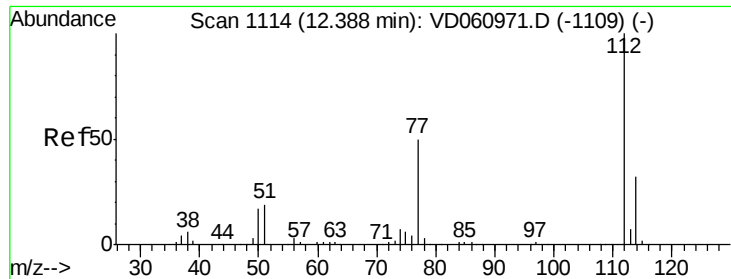
Tot Ion:117 Resp: 1001459  
Ion Ratio Lower Upper  
117 100  
82 44.8 38.9 58.3  
119 32.1 26.6 39.8



#64  
Tetrachloroethene  
Concen: 52.287 ug/l  
RT: 11.25 min Scan# 998  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion:164 Resp: 353476  
Ion Ratio Lower Upper  
164 100  
166 129.4 103.4 155.0  
129 96.6 76.9 115.3  
131 93.0 74.4 111.6

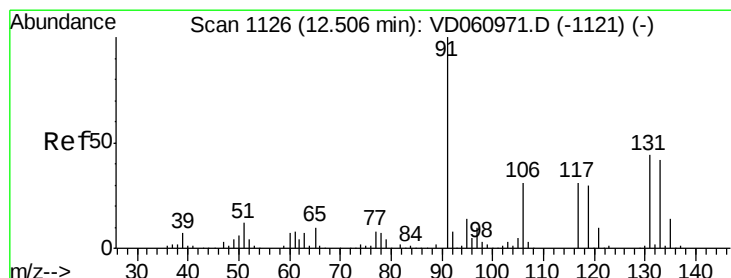
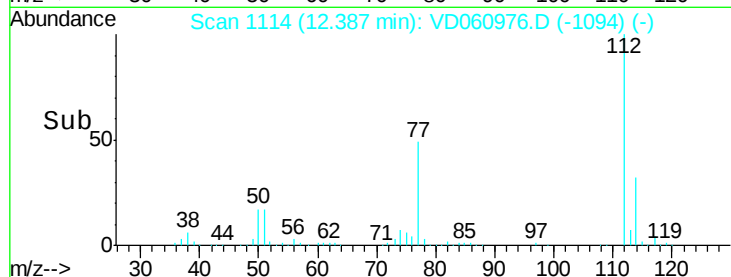
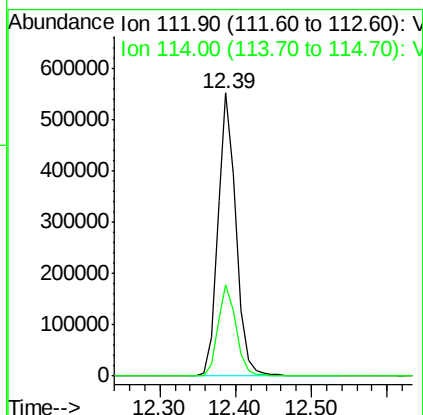
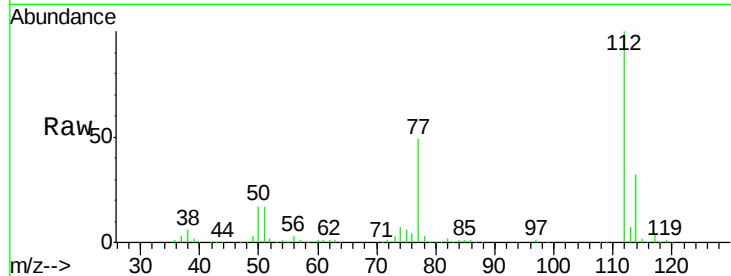




#65  
Chlorobenzene  
Concen: 46.913 ug/l  
RT: 12.39 min Scan# 1114  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

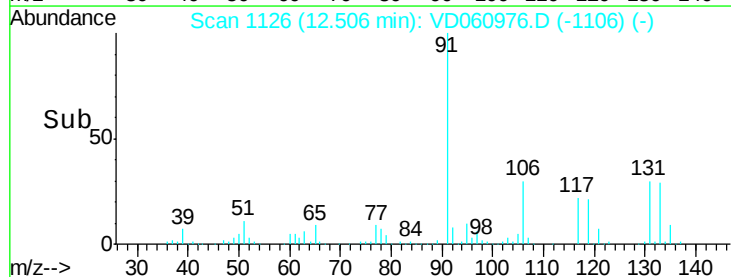
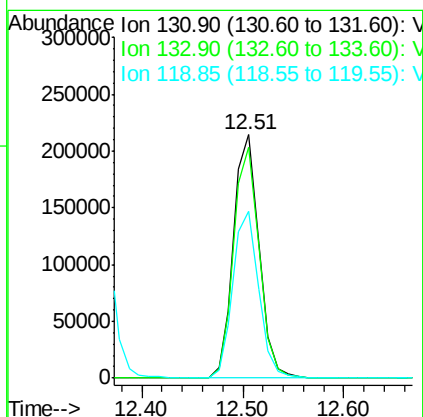
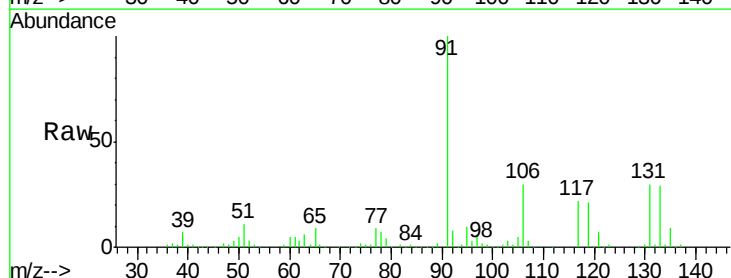
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

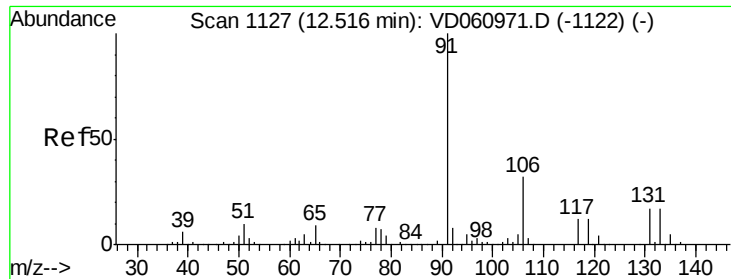
Tot Ion:112 Resp: 921042  
Ion Ratio Lower Upper  
112 100  
114 32.5 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 53.907 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion:131 Resp: 377249  
Ion Ratio Lower Upper  
131 100  
133 95.0 47.8 143.3  
119 68.3 34.3 102.9

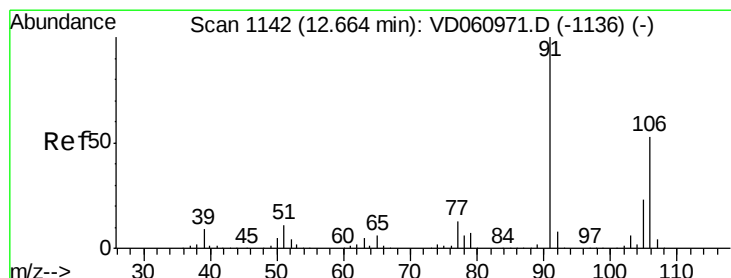
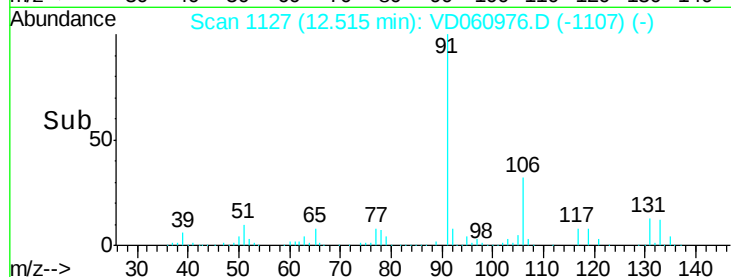
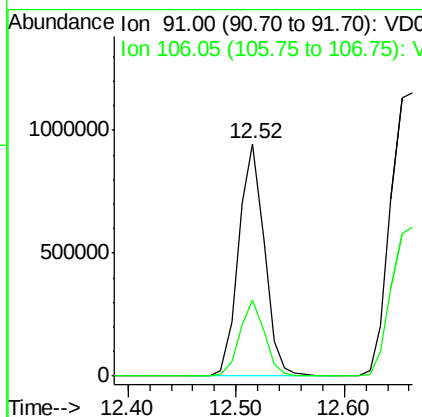
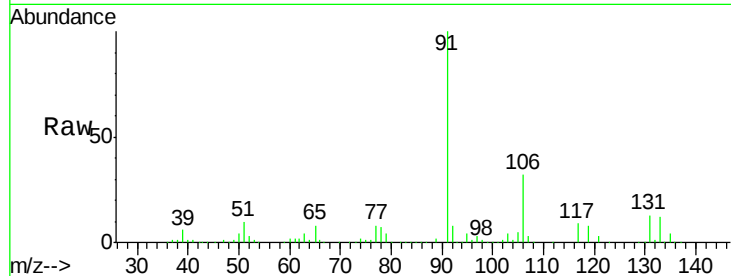




#67  
Ethyl Benzene  
Concen: 53.545 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

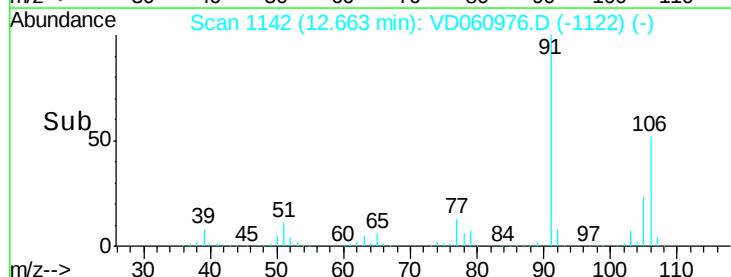
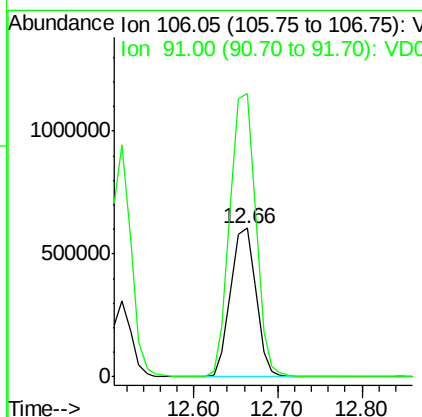
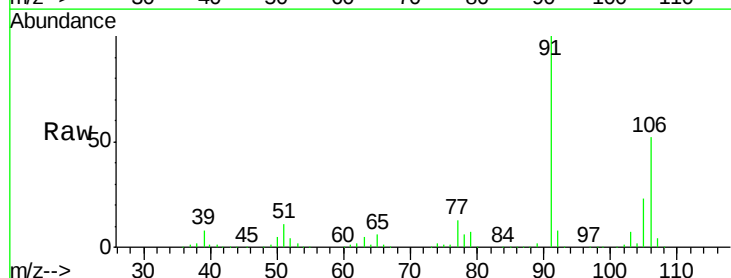
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

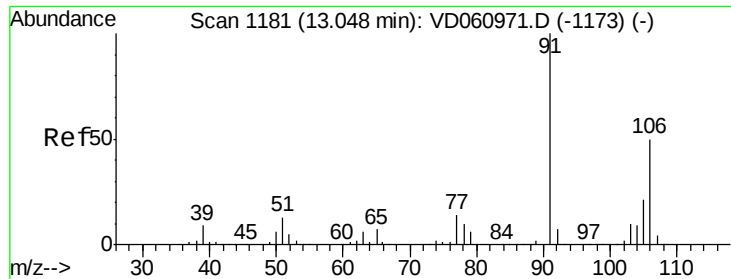
Tot Ion: 91 Resp: 1565043  
Ion Ratio Lower Upper  
91 100  
106 32.5 25.7 38.5



#68  
m/p-Xylenes  
Concen: 112.022 ug/l  
RT: 12.66 min Scan# 1142  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion:106 Resp: 1285117  
Ion Ratio Lower Upper  
106 100  
91 190.6 152.0 228.0

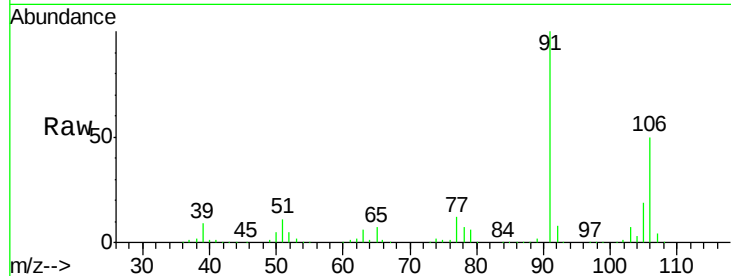




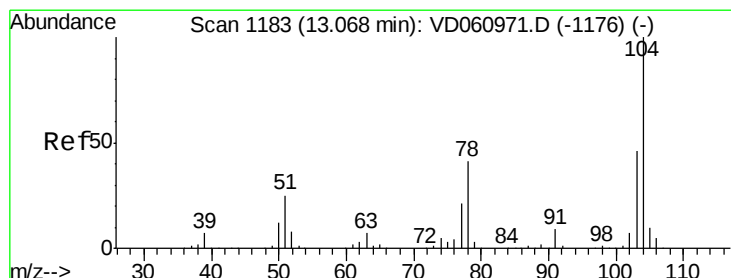
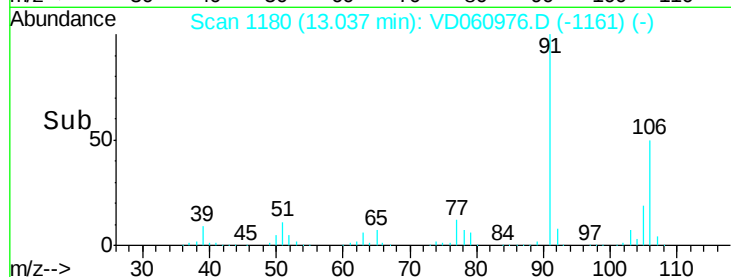
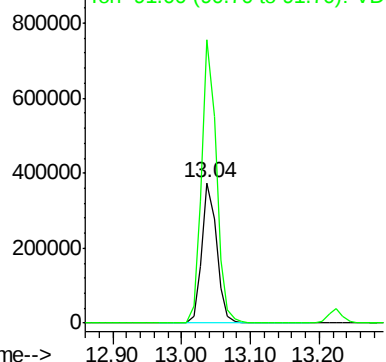
#69  
o-Xylene  
Concen: 49.705 ug/l  
RT: 13.04 min Scan# 1180  
Delta R.T. -0.01 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:106 Resp: 560500  
Ion Ratio Lower Upper  
106 100  
91 201.8 99.8 299.3

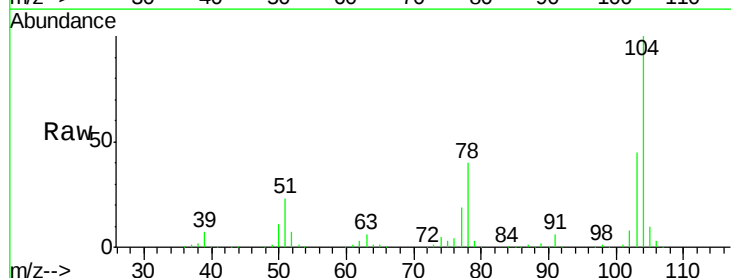


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

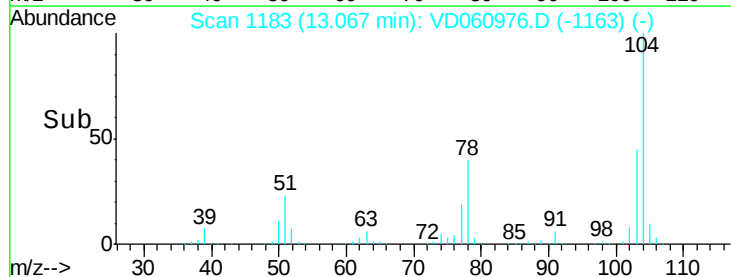
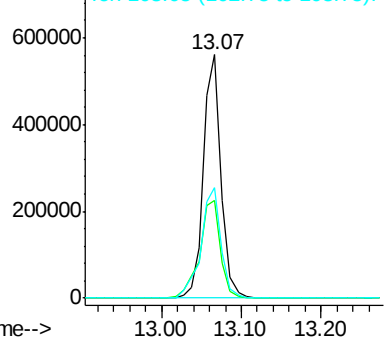


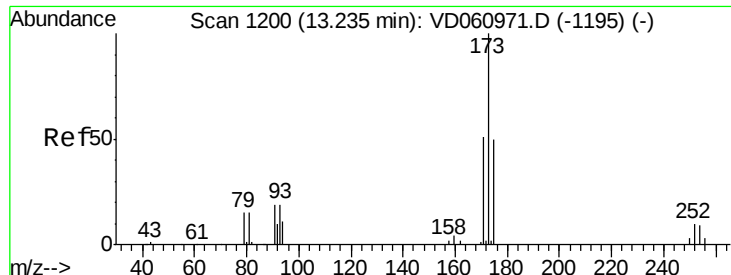
#70  
Styrene  
Concen: 47.179 ug/l  
RT: 13.07 min Scan# 1183  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion:104 Resp: 868729  
Ion Ratio Lower Upper  
104 100  
78 40.3 33.0 49.4  
103 45.3 37.1 55.7



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





#71

Bromoform

Concen: 49.918 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

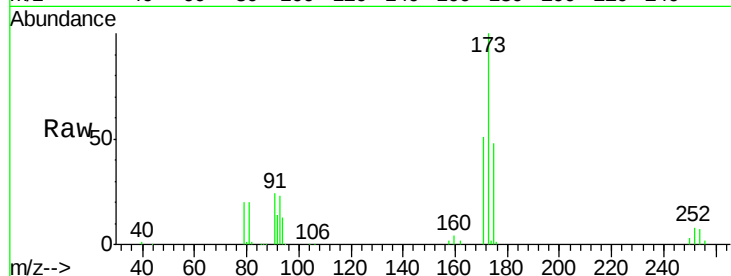
Tot Ion:173 Resp: 225358

Ion Ratio Lower Upper

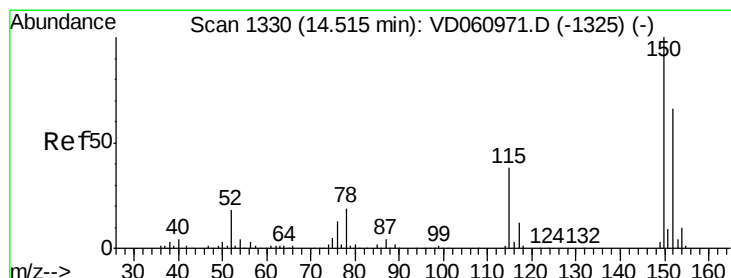
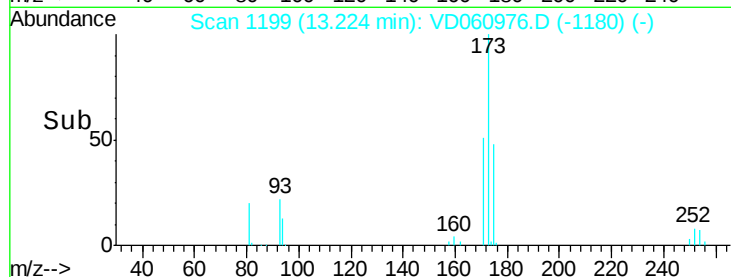
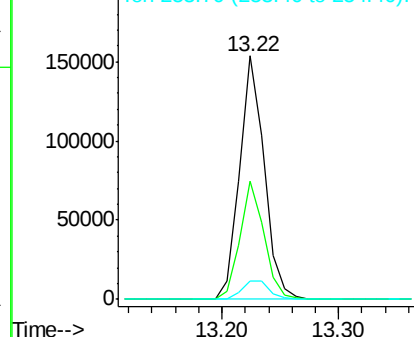
173 100

175 48.3 24.9 74.8

254 7.3 7.3 10.9



Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

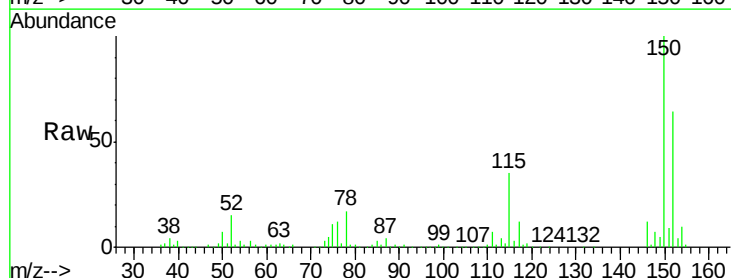
Tgt Ion:152 Resp: 462917

Ion Ratio Lower Upper

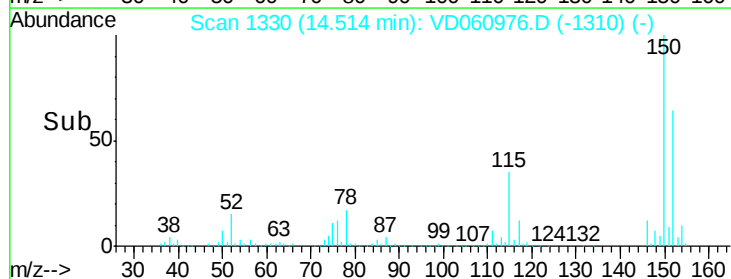
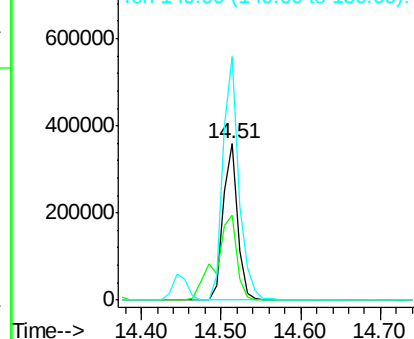
152 100

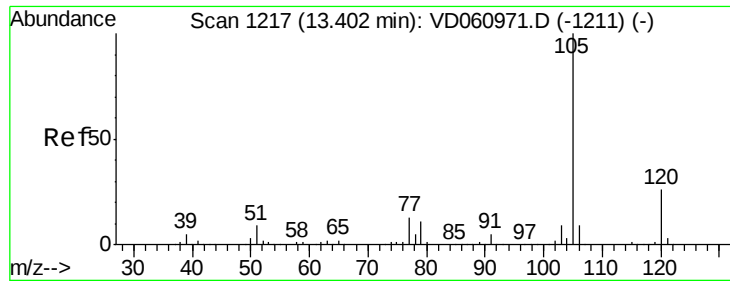
115 54.6 28.6 85.9

150 156.0 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.301 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

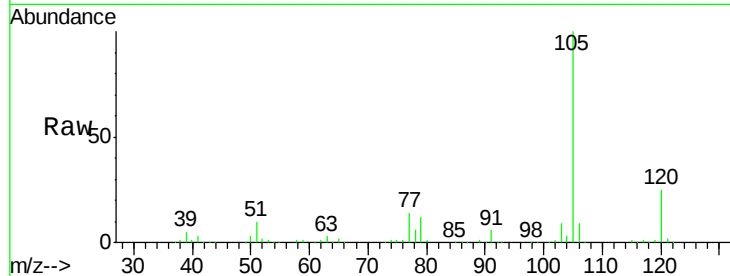
VSTDCCC050

Tot Ion:105 Resp: 1578038

Ion Ratio Lower Upper

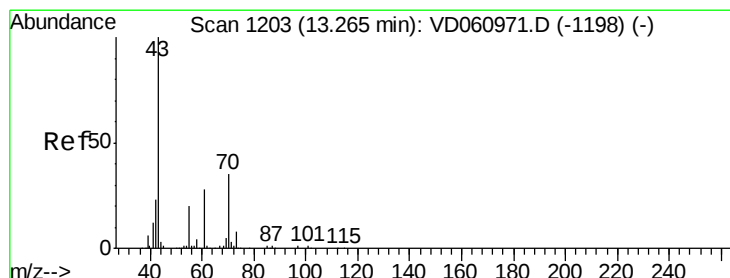
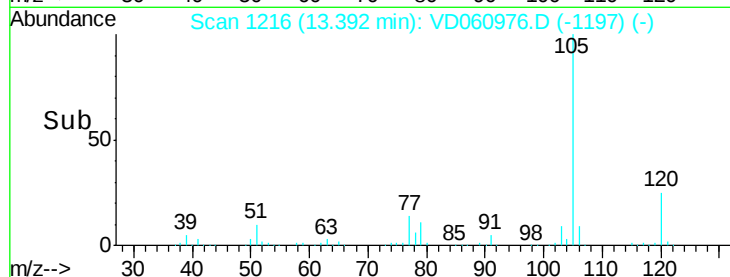
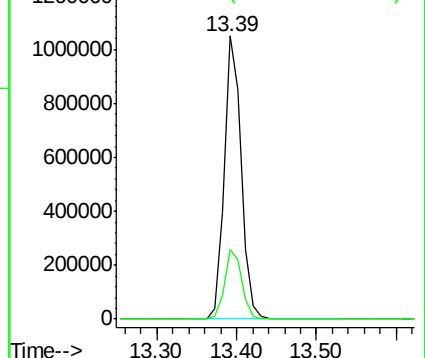
105 100

120 24.6 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.845 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Tgt Ion: 43 Resp: 440049

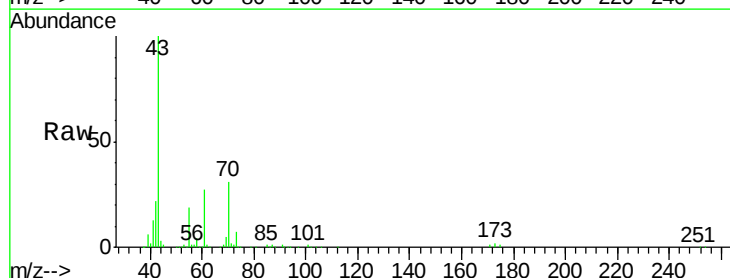
Ion Ratio Lower Upper

43 100

70 31.2 27.7 41.5

55 18.6 16.2 24.2

61 26.8 22.3 33.5

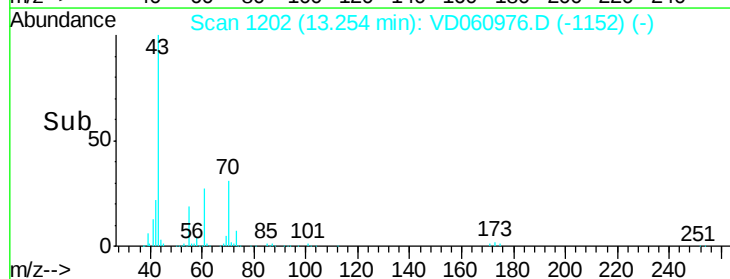
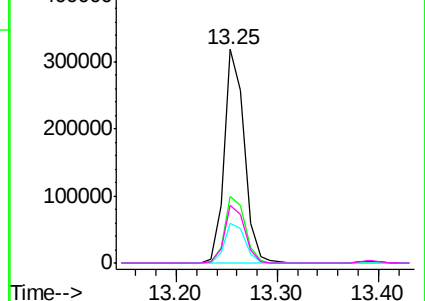


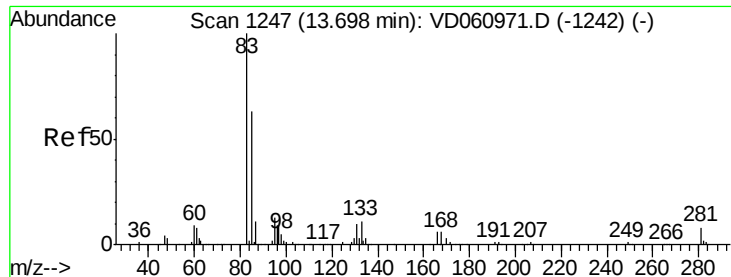
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.521 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

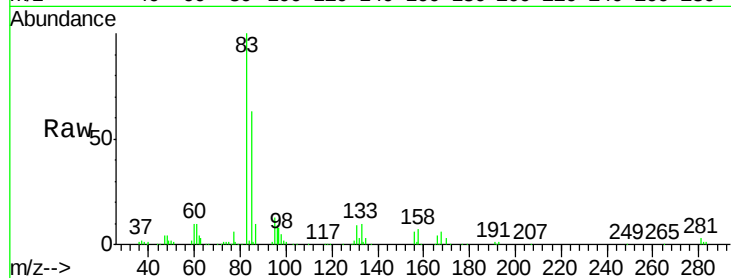
Tot Ion: 83 Resp: 315821

Ion Ratio Lower Upper

83 100

131 9.3 5.1 15.3

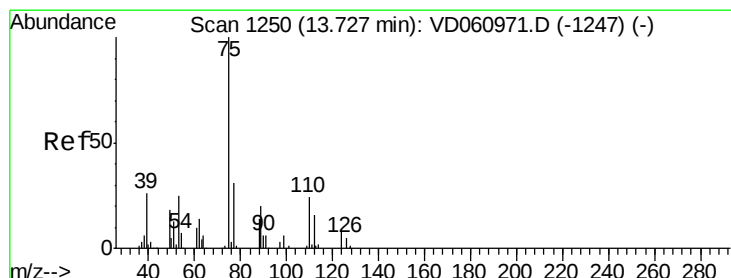
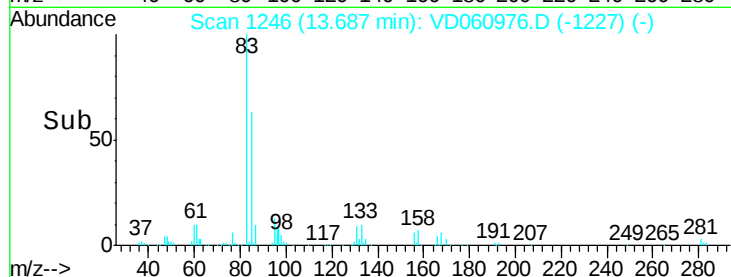
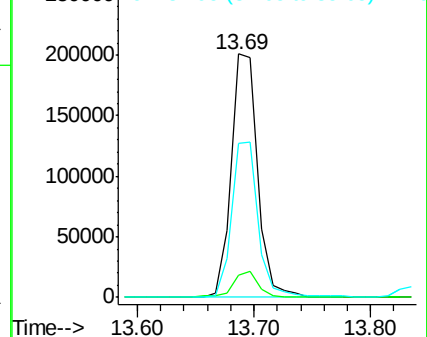
85 63.1 31.5 94.5



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: 45.662 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD060976.D

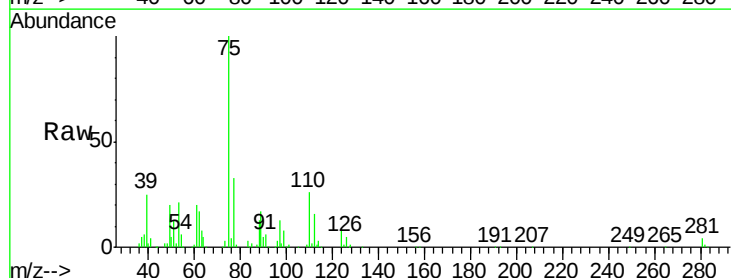
Acq: 8 Mar 2019 10:33

Tgt Ion: 75 Resp: 304102

Ion Ratio Lower Upper

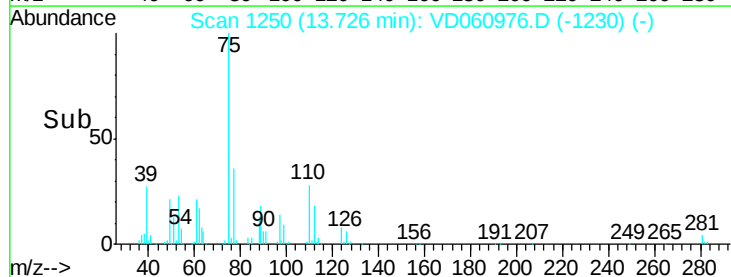
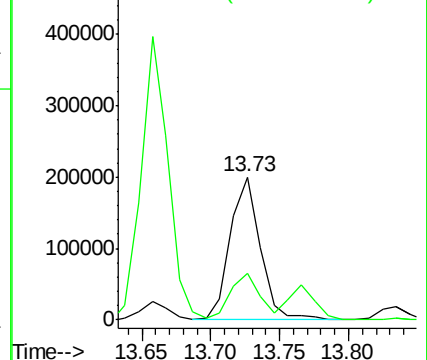
75 100

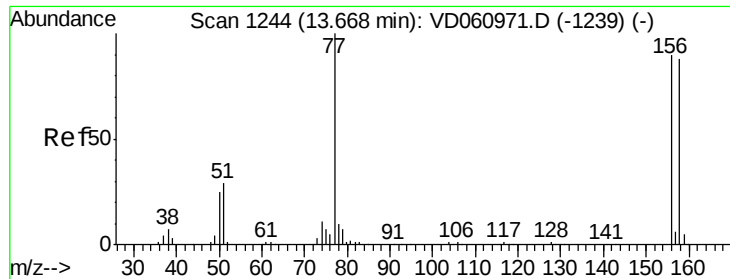
77 32.6 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.936 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

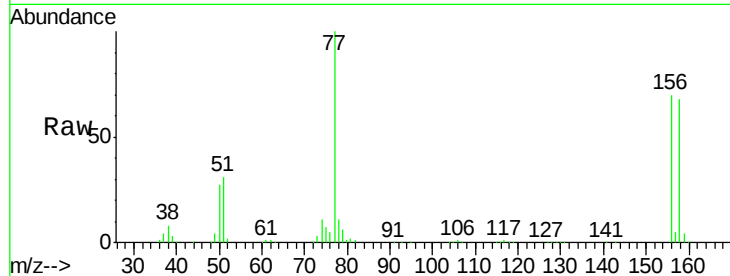
Tot Ion:156 Resp: 416751

Ion Ratio Lower Upper

156 100

77 141.9 55.5 166.7

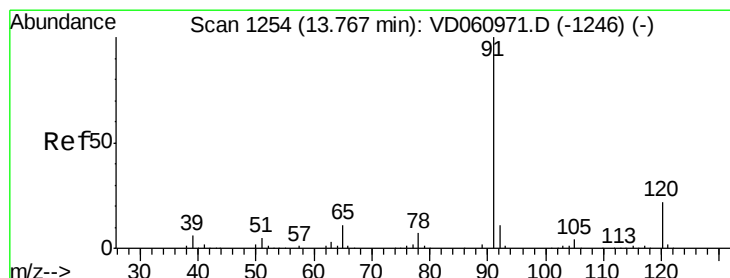
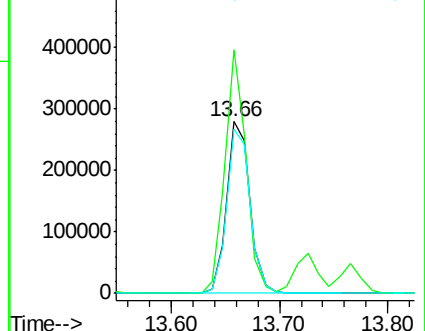
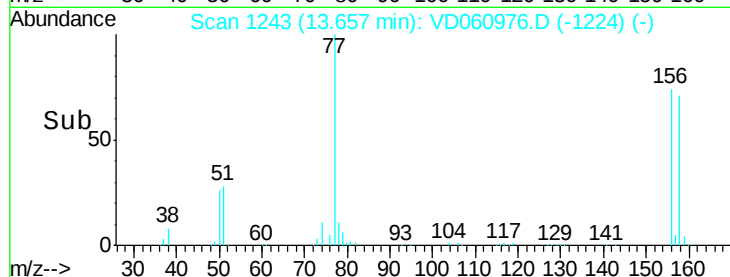
158 96.1 49.0 147.0



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: 46.146 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060976.D

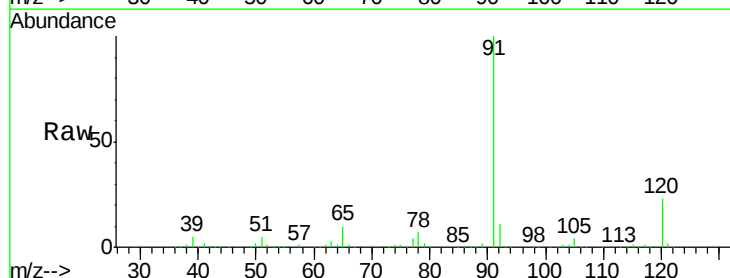
Acq: 8 Mar 2019 10:33

Tgt Ion: 91 Resp: 1802270

Ion Ratio Lower Upper

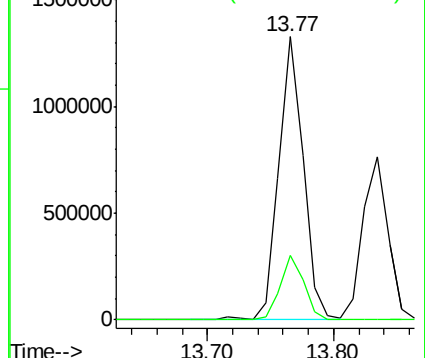
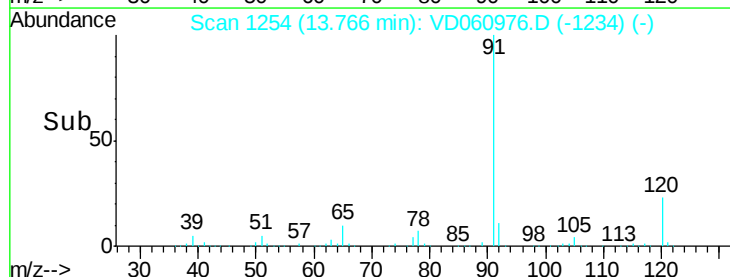
91 100

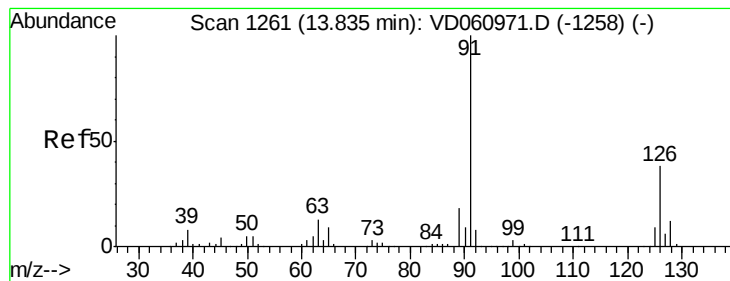
120 22.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.379 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

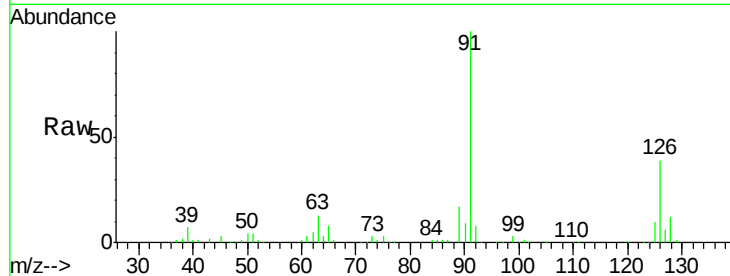
VSTDCCC050

Tot Ion: 91 Resp: 1061739

Ion Ratio Lower Upper

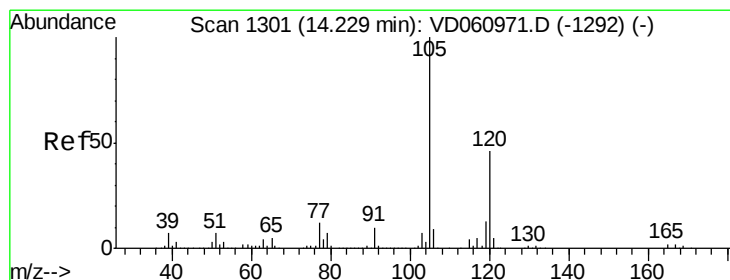
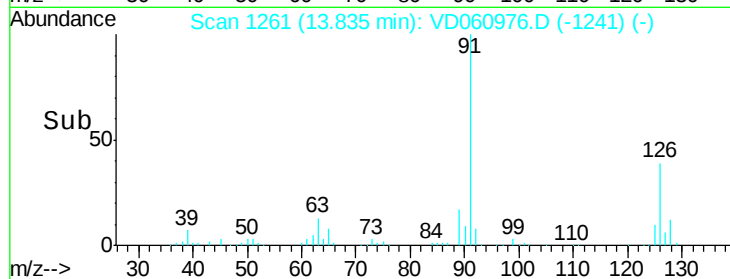
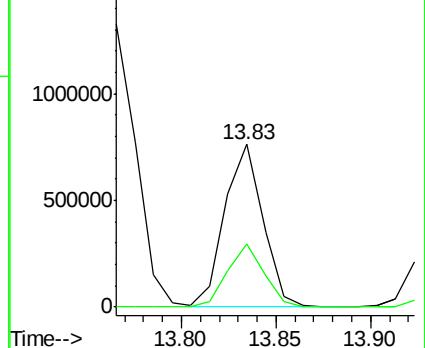
91 100

126 38.7 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.183 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD060976.D

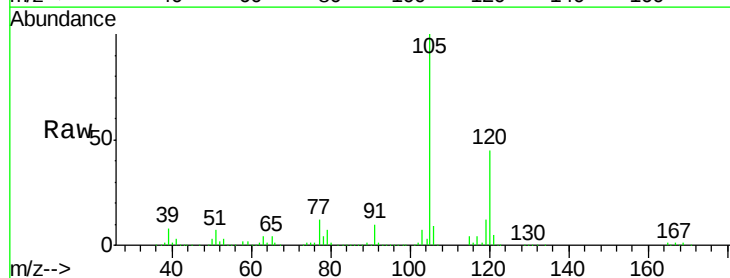
Acq: 8 Mar 2019 10:33

Tgt Ion:105 Resp: 1270982

Ion Ratio Lower Upper

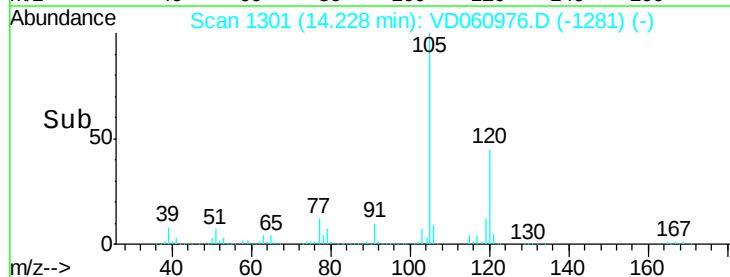
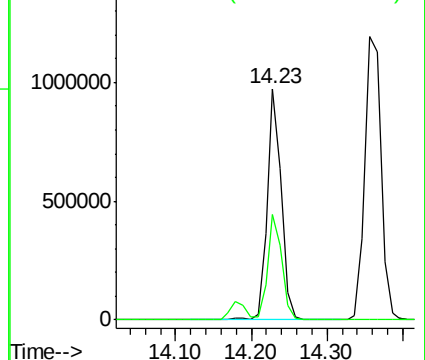
105 100

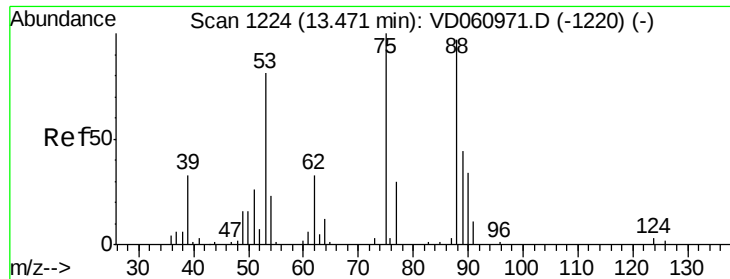
120 45.4 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.916 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

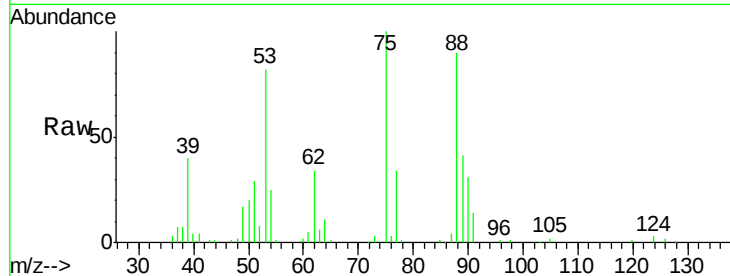
Tot Ion: 75 Resp: 99973

Ion Ratio Lower Upper

75 100

53 81.7 64.4 96.6

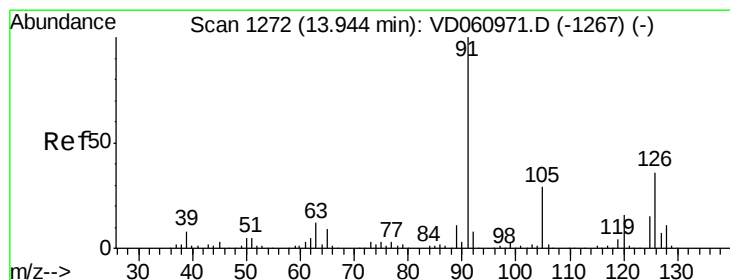
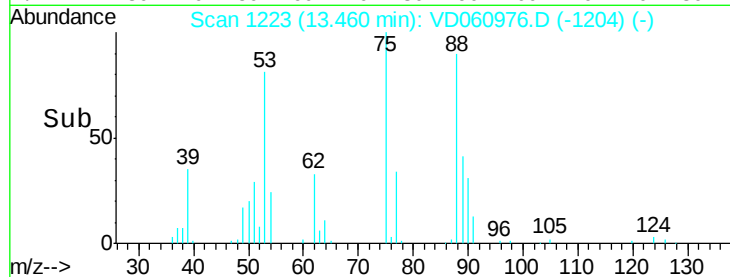
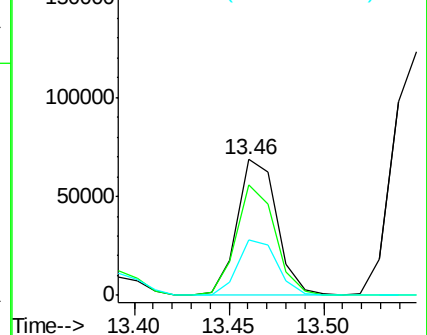
89 40.7 34.8 52.2



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: 45.298 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD060976.D

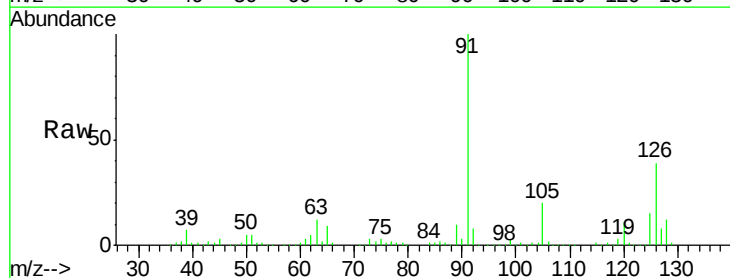
Acq: 8 Mar 2019 10:33

Tgt Ion: 91 Resp: 1151450

Ion Ratio Lower Upper

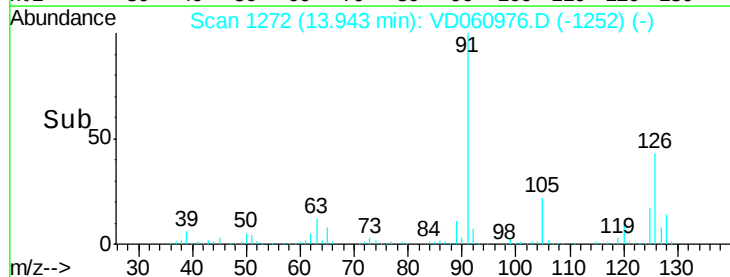
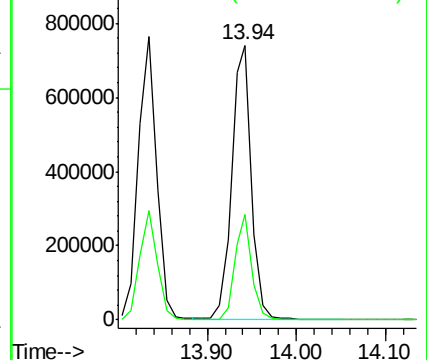
91 100

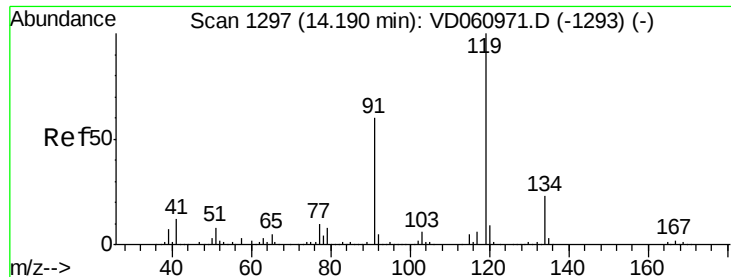
126 38.6 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 54.648 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

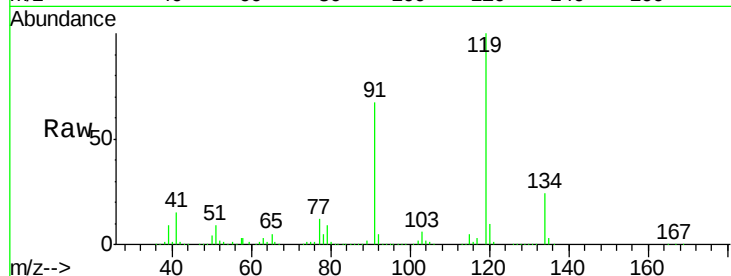
Tot Ion:119 Resp: 1514701

Ion Ratio Lower Upper

119 100

91 66.5 30.1 90.3

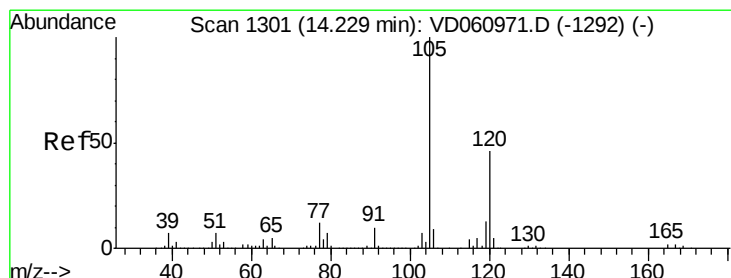
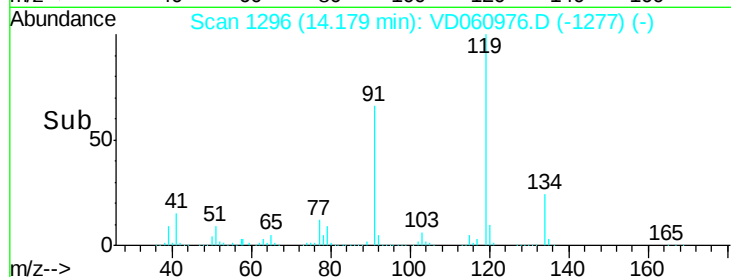
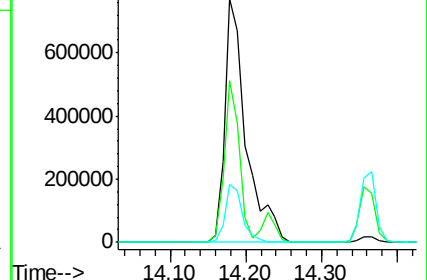
134 24.0 11.6 34.7



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: 50.183 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD060976.D

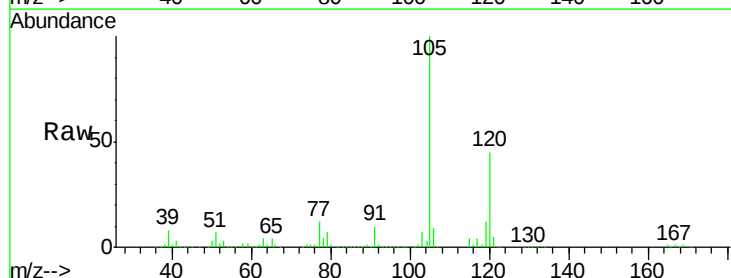
Acq: 8 Mar 2019 10:33

Tgt Ion:105 Resp: 1270982

Ion Ratio Lower Upper

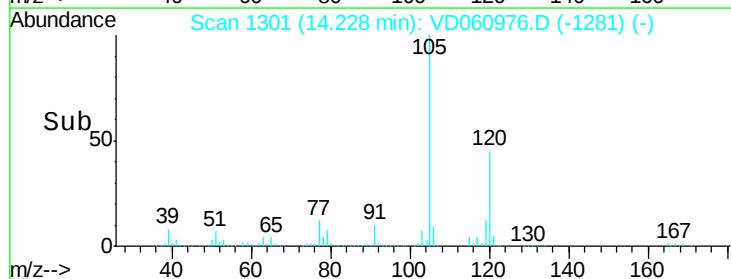
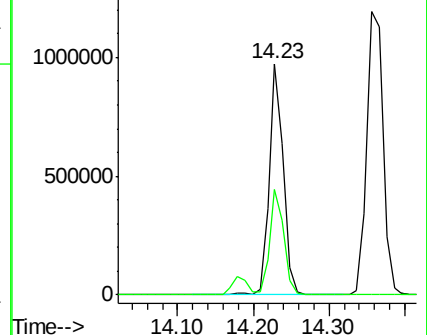
105 100

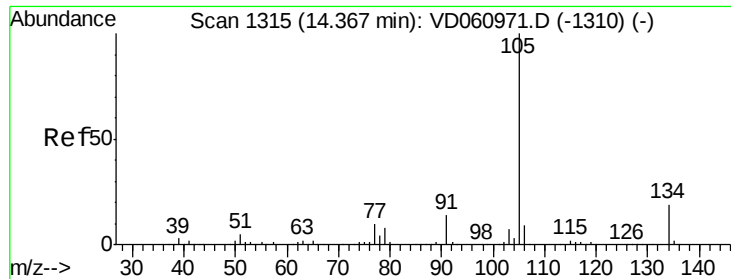
120 45.4 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

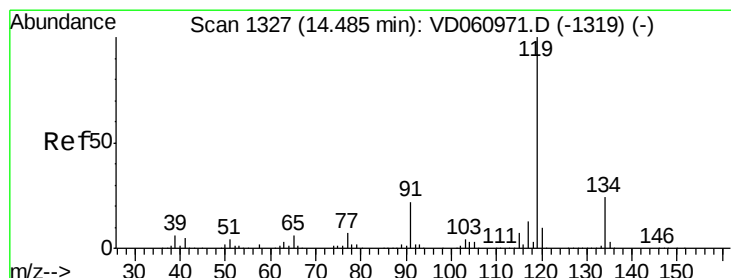
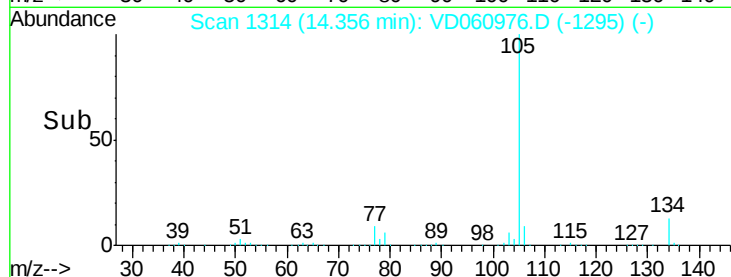
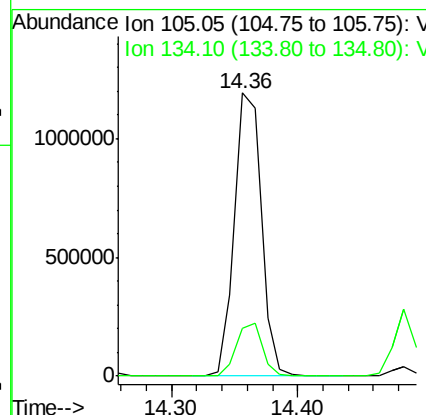
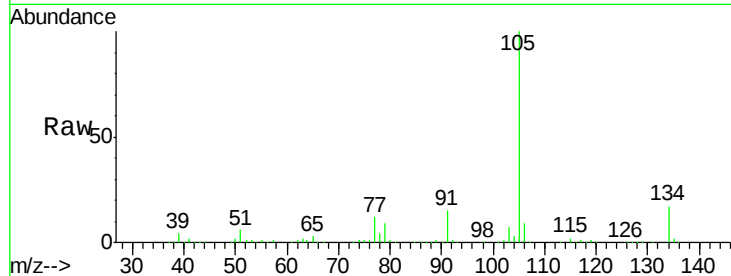




#85  
 sec-Butylbenzene  
 Concen: 51.731 ug/l  
 RT: 14.36 min Scan# 1314  
 Delta R.T. -0.01 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

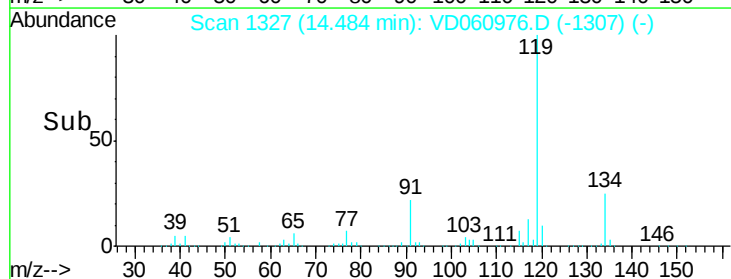
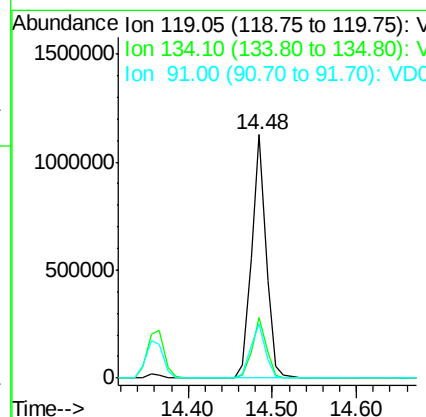
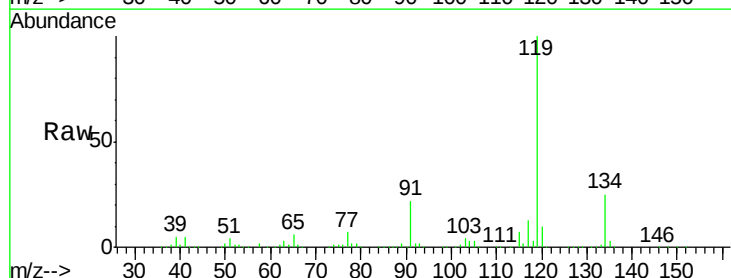
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDCCC050

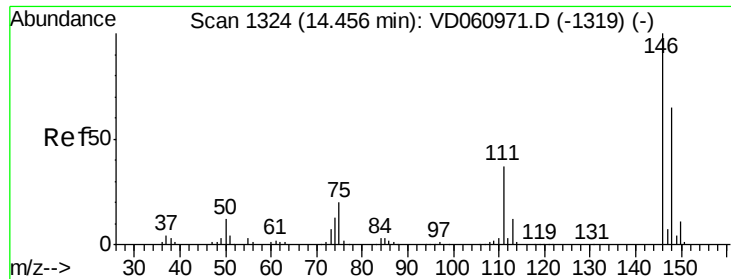
Tot Ion:105 Resp: 1750437  
 Ion Ratio Lower Upper  
 105 100  
 134 17.1 9.4 28.2



#86  
 p-Isopropyltoluene  
 Concen: 48.365 ug/l  
 RT: 14.48 min Scan# 1327  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion:119 Resp: 1337699  
 Ion Ratio Lower Upper  
 119 100  
 134 24.9 12.0 36.1  
 91 22.0 11.2 33.6

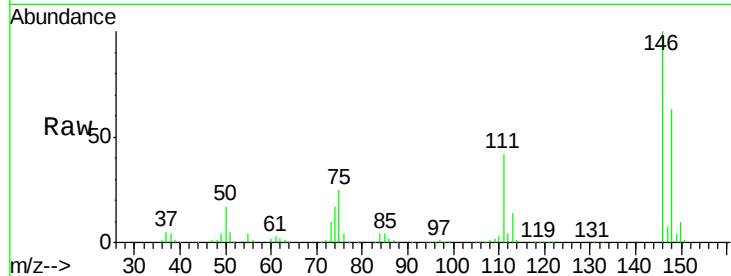




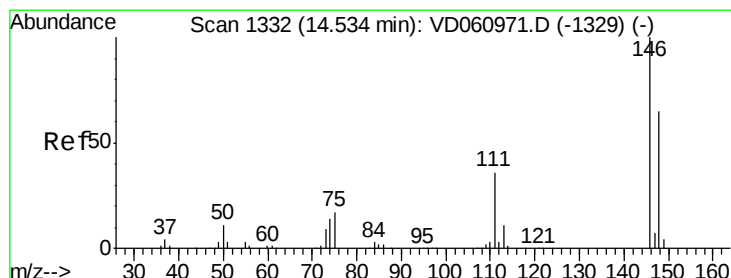
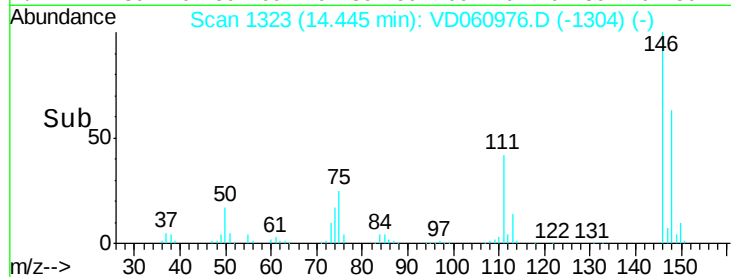
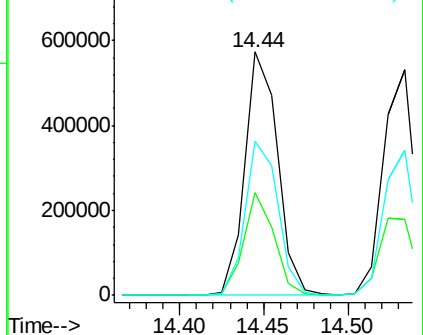
#87  
 1,3-Dichlorobenzene  
 Concen: 50.953 ug/l  
 RT: 14.44 min Scan# 1323  
 Delta R.T. -0.01 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:146 Resp: 774846  
 Ion Ratio Lower Upper  
 146 100  
 111 42.4 18.4 55.4  
 148 63.2 32.5 97.4

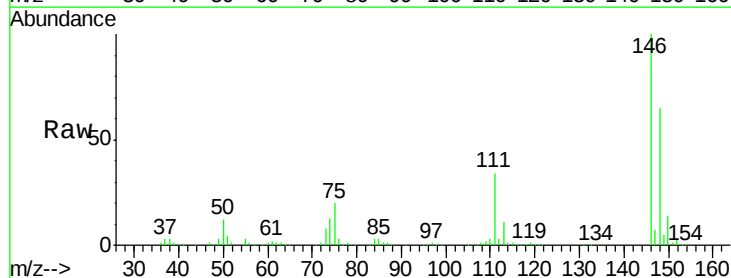


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

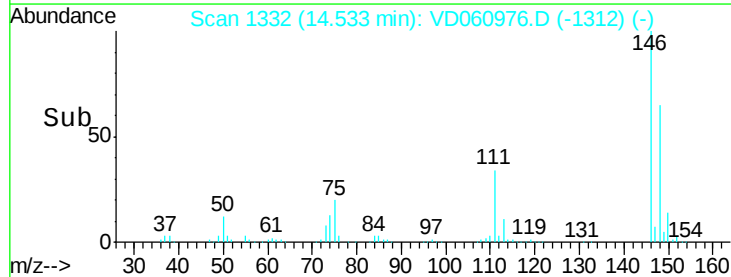
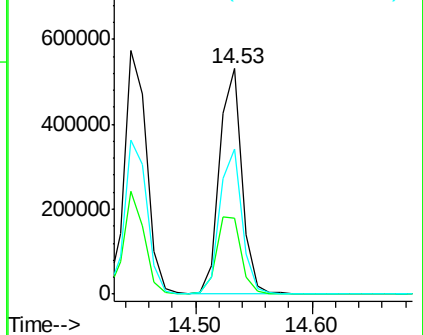


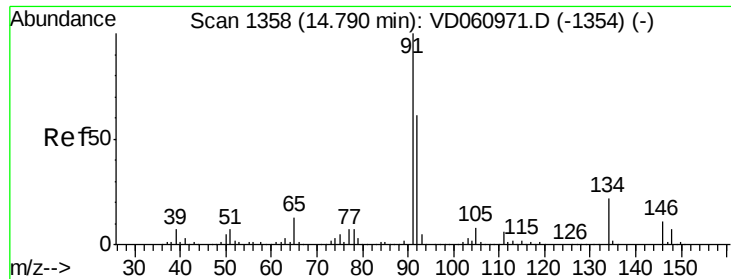
#88  
 1,4-Dichlorobenzene  
 Concen: 47.168 ug/l  
 RT: 14.53 min Scan# 1332  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion:146 Resp: 704855  
 Ion Ratio Lower Upper  
 146 100  
 111 34.0 18.4 55.2  
 148 64.6 32.5 97.5



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





#89

n-Butylbenzene

Concen: 45.350 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD060976.D

Acq: 8 Mar 2019 10:33

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

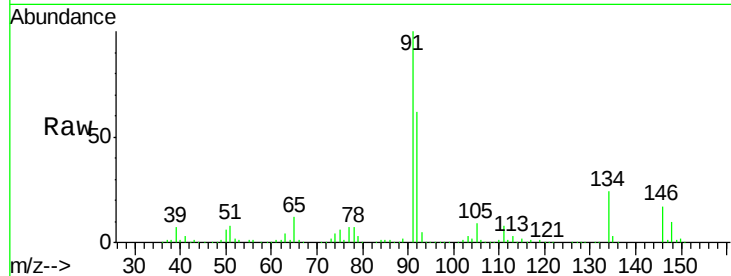
Tot Ion: 91 Resp: 1204550

Ion Ratio Lower Upper

91 100

92 62.4 30.6 91.8

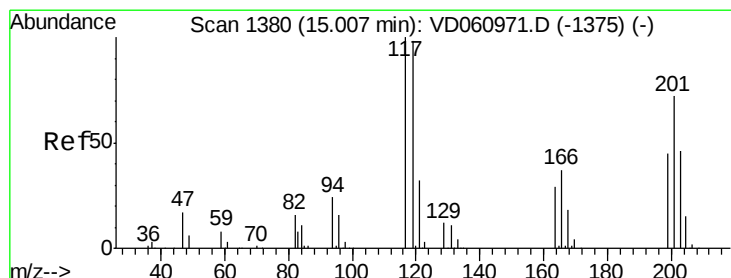
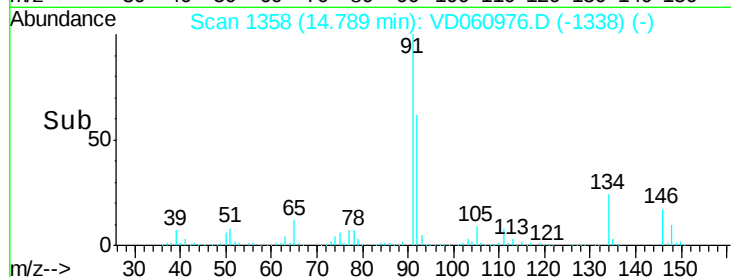
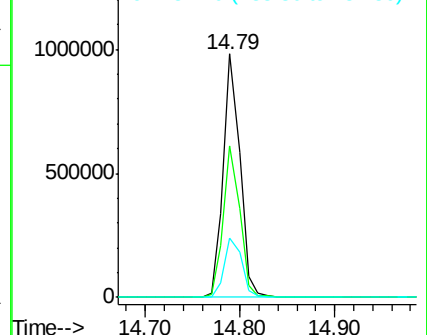
134 24.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 50.490 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD060976.D

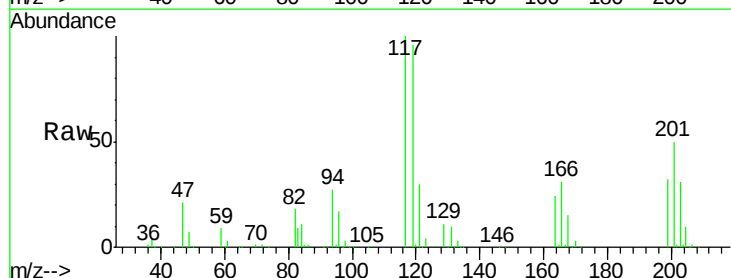
Acq: 8 Mar 2019 10:33

Tgt Ion: 117 Resp: 394330

Ion Ratio Lower Upper

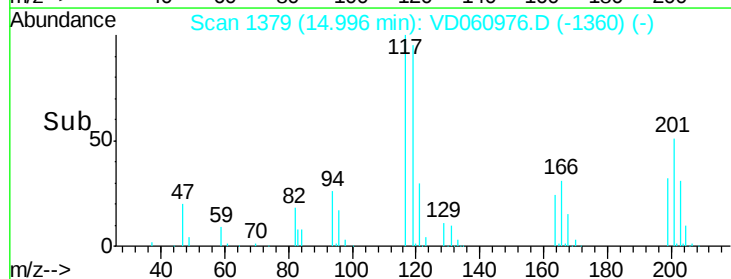
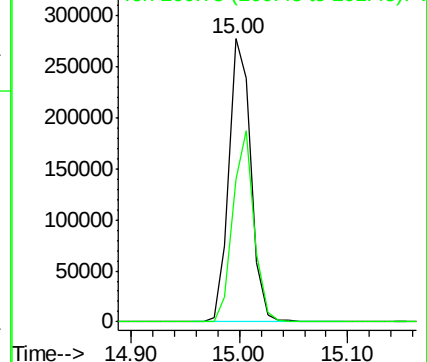
117 100

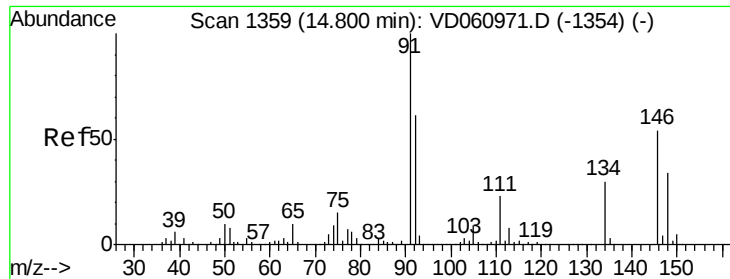
201 50.4 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

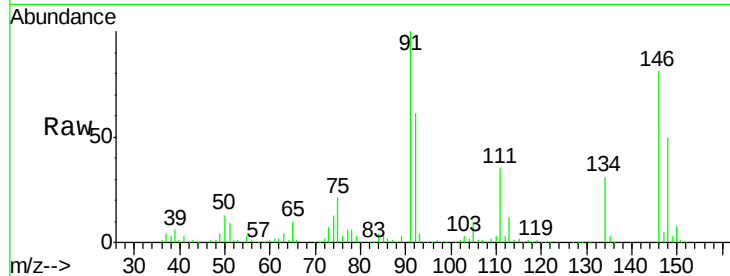




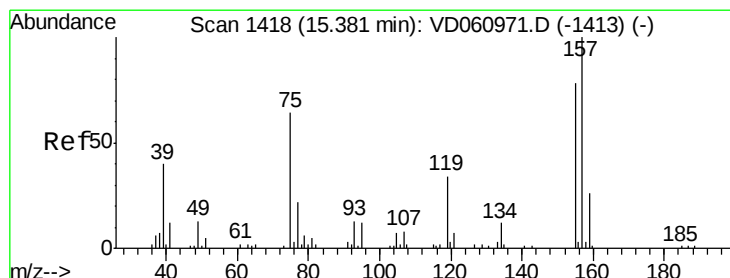
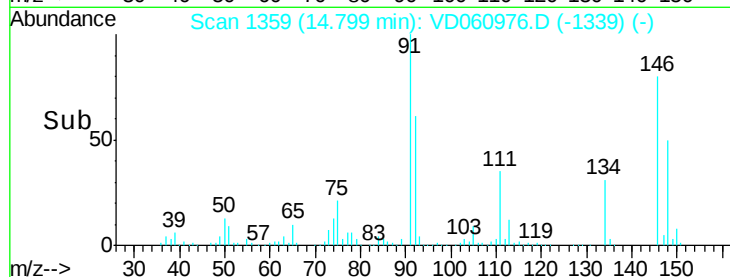
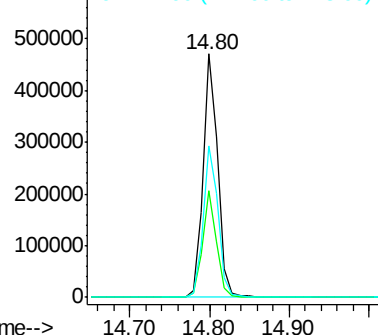
#91  
 1,2-Dichlorobenzene  
 Concen: 47.941 ug/l  
 RT: 14.80 min Scan# 1359  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:146 Resp: 607766  
 Ion Ratio Lower Upper  
 146 100  
 111 43.8 21.5 64.5  
 148 62.4 30.9 92.8

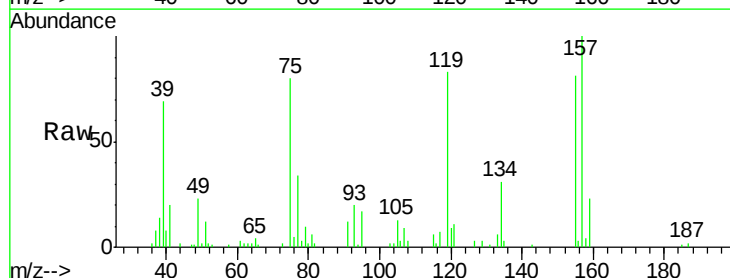


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

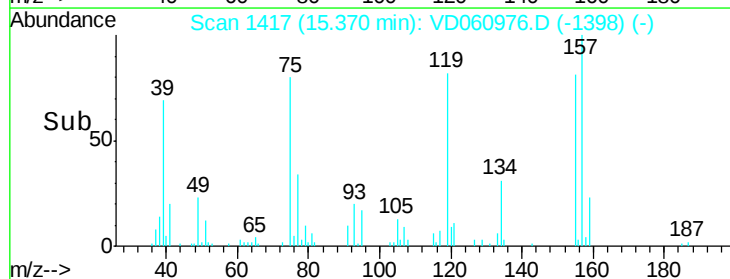
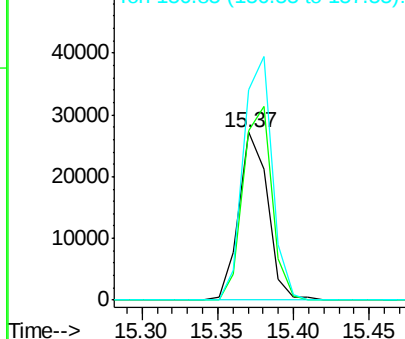


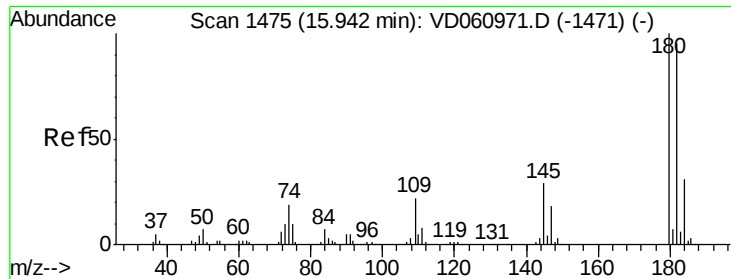
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 45.947 ug/l  
 RT: 15.37 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion: 75 Resp: 36039  
 Ion Ratio Lower Upper  
 75 100  
 155 101.2 61.2 183.5  
 157 125.1 78.3 234.8



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

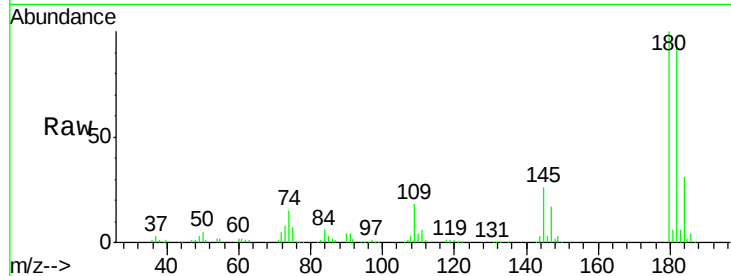




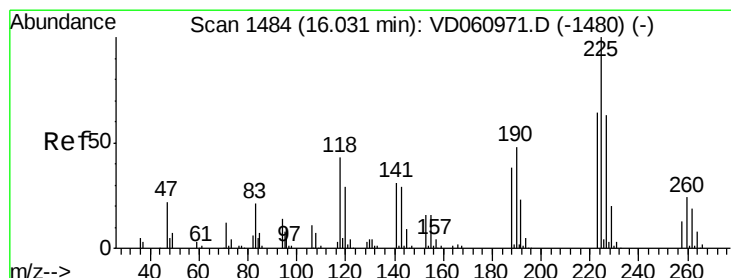
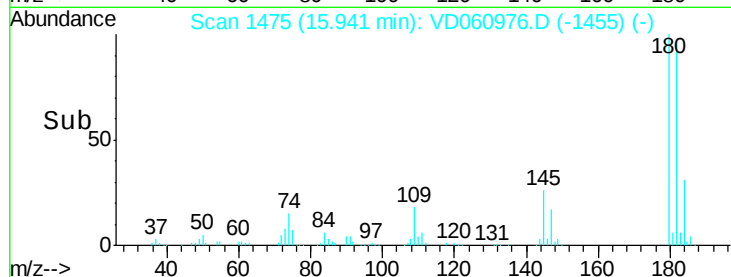
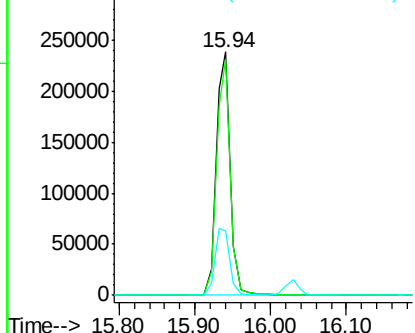
#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.445 ug/l  
 RT: 15.94 min Scan# 1475  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:180 Resp: 314313  
 Ion Ratio Lower Upper  
 180 100  
 182 96.8 47.3 142.0  
 145 26.2 14.4 43.0

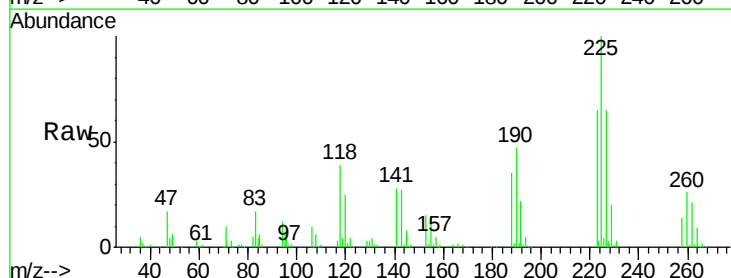


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

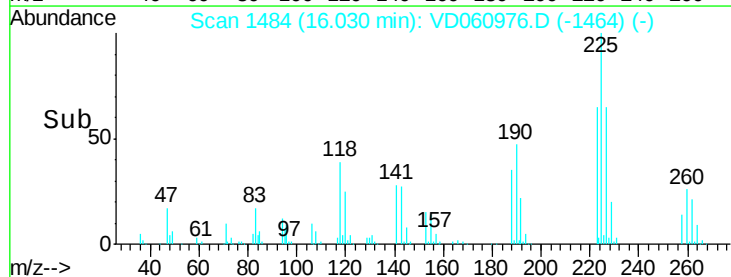
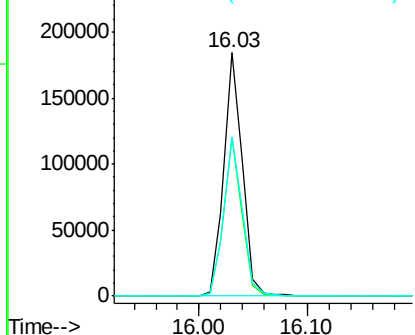


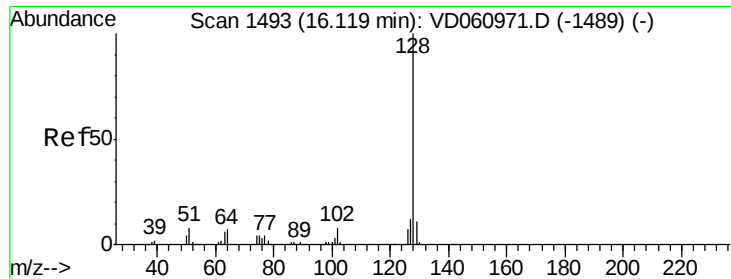
#94  
 Hexachlorobutadiene  
 Concen: 49.625 ug/l  
 RT: 16.03 min Scan# 1484  
 Delta R.T. -0.00 min  
 Lab File: VD060976.D  
 Acq: 8 Mar 2019 10:33

Tgt Ion:225 Resp: 220747  
 Ion Ratio Lower Upper  
 225 100  
 223 65.1 31.8 95.3  
 227 65.2 31.4 94.0



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

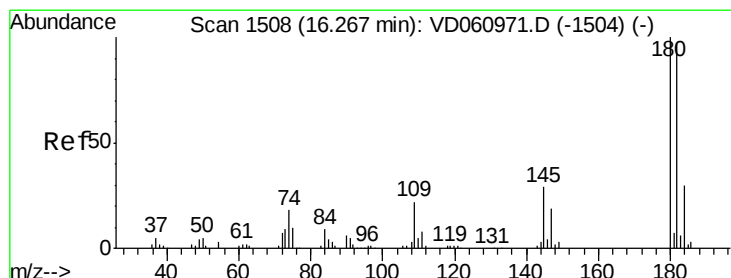
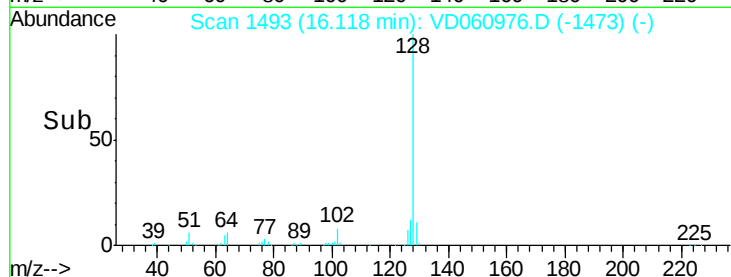
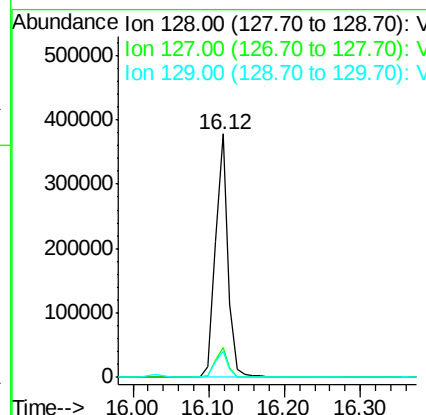
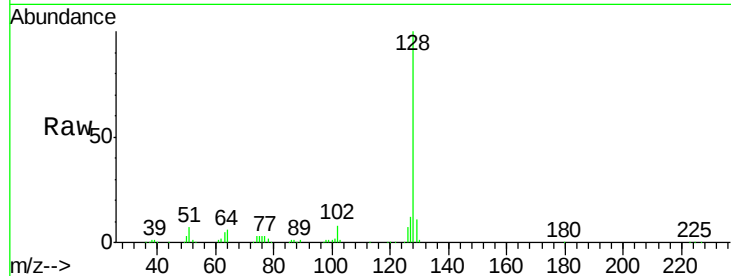




#95  
Naphthalene  
Concen: 49.551 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:128 Resp: 442837  
Ion Ratio Lower Upper  
128 100  
127 12.1 9.8 14.8  
129 10.7 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 48.332 ug/l  
RT: 16.27 min Scan# 1508  
Delta R.T. -0.00 min  
Lab File: VD060976.D  
Acq: 8 Mar 2019 10:33

Tgt Ion:180 Resp: 140389  
Ion Ratio Lower Upper  
180 100  
182 97.4 48.6 145.8  
145 27.7 14.3 42.9

