

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\  
 Data File : VD060292.D  
 Acq On : 7 Nov 2018 10:30  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

Quant Time: Nov 08 10:29:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 06 13:56:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.41  | 168  | 1737562  | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 7.45  | 114  | 2354740  | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.28 | 117  | 1883337  | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 13.37 | 152  | 968563   | 50.00 | ug/l  | -0.01    |

## System Monitoring Compounds

|                           |        |     |          |       |         |       |
|---------------------------|--------|-----|----------|-------|---------|-------|
| 33) 1,2-Dichloroethane-d4 | 6.80   | 65  | 609415   | 48.98 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.96%  |       |
| 35) Dibromofluoromethane  | 6.33   | 113 | 925331   | 52.70 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.40% |       |
| 50) Toluene-d8            | 9.46   | 98  | 2719699  | 52.92 | ug/l    | 0.00  |
| Spiked Amount             | 50.000 |     | Recovery | =     | 105.84% |       |
| 62) 4-Bromofluorobenzene  | 12.43  | 95  | 975749   | 52.40 | ug/l    | -0.01 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.80% |       |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85  | 728786  | 53.823  | ug/l   | 96     |
| 3) Chloromethane              | 1.77 | 50  | 738561  | 44.873  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.86 | 62  | 636095  | 47.324  | ug/l   | 99     |
| 5) Bromomethane               | 2.16 | 94  | 170456  | 53.452  | ug/l   | 99     |
| 6) Chloroethane               | 2.27 | 64  | 220007  | 49.330  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 2.52 | 101 | 773104  | 48.785  | ug/l   | 96     |
| 8) Diethyl Ether              | 2.83 | 74  | 133771  | 46.624  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.11 | 101 | 495231  | 47.513  | ug/l   | 98     |
| 10) Methyl Iodide             | 3.25 | 142 | 611369  | 45.161  | ug/l   | 96     |
| 11) Tert butyl alcohol        | 3.97 | 59  | 128093  | 250.729 | ug/l # | 89     |
| 12) 1,1-Dichloroethene        | 3.09 | 96  | 394849  | 46.572  | ug/l   | 98     |
| 13) Acrolein                  | 2.99 | 56  | 134636  | 223.032 | ug/l   | 95     |
| 14) Allyl chloride            | 3.54 | 41  | 790194  | 48.711  | ug/l   | 99     |
| 15) Acrylonitrile             | 4.09 | 53  | 723860  | 242.972 | ug/l   | 100    |
| 16) Acetone                   | 3.17 | 43  | 572136  | 265.116 | ug/l   | 100    |
| 17) Carbon Disulfide          | 3.32 | 76  | 1284978 | 46.956  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.57 | 43  | 216969  | 47.152  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 4.13 | 73  | 1276267 | 50.273  | ug/l   | 100    |
| 20) Methylene Chloride        | 3.73 | 84  | 886522  | 46.309  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene  | 4.11 | 96  | 957270  | 50.852  | ug/l   | 99     |
| 22) Diisopropyl ether         | 4.87 | 45  | 3052775 | 50.371  | ug/l   | 99     |
| 23) Vinyl Acetate             | 4.81 | 43  | 7527646 | 249.617 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.77 | 63  | 1576911 | 50.739  | ug/l   | 100    |
| 25) 2-Butanone                | 5.63 | 43  | 1170637 | 260.973 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 5.60 | 77  | 1289905 | 53.385  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 5.60 | 96  | 1021110 | 52.068  | ug/l   | 97     |
| 28) Bromochloromethane        | 5.93 | 49  | 682749  | 49.789  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 5.96 | 42  | 566586  | 239.574 | ug/l   | 99     |
| 30) Chloroform                | 6.11 | 83  | 1589012 | 51.144  | ug/l   | 100    |
| 31) Cyclohexane               | 6.37 | 56  | 1446018 | 48.680  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.29 | 97  | 1357850 | 51.883  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 6.53 | 75  | 1209545 | 51.993  | ug/l   | 97     |
| 37) Ethyl Acetate             | 5.70 | 43  | 556035  | 51.941  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 6.50 | 117 | 1122758 | 52.027  | ug/l   | 99     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

Quant Time: Nov 08 10:29:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 06 13:56:04 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 8.05  | 83   | 1413643  | 52.833   | ug/l   | 98       |
| 40) Benzene                    | 6.81  | 78   | 3059946  | 51.529   | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.95  | 41   | 610831   | 49.854   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.90  | 62   | 803574   | 51.699   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 8.35  | 43   | 698277   | 51.929   | ug/l # | 97       |
| 44) Trichloroethene            | 7.74  | 130  | 969485   | 53.856   | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 8.11  | 63   | 793516   | 52.984   | ug/l   | 98       |
| 46) Dibromomethane             | 8.22  | 93   | 459743   | 52.413   | ug/l   | 97       |
| 47) Bromodichloromethane       | 8.50  | 83   | 1092509  | 52.855   | ug/l # | 96       |
| 48) Methyl methacrylate        | 8.25  | 41   | 433391   | 53.060   | ug/l   | 95       |
| 49) 1,4-Dioxane                | 8.23  | 88   | 77097    | 1090.920 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone       | 9.35  | 43   | 2232277  | 255.057  | ug/l   | 99       |
| 52) Toluene                    | 9.55  | 92   | 1976496  | 52.105   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.93  | 75   | 941112   | 53.887   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.11  | 75   | 1219167  | 54.427   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.18 | 97   | 555342   | 50.511   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.03 | 69   | 539564   | 53.376   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.39 | 76   | 863965   | 51.571   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 8.93  | 63   | 1600683  | 261.879  | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.50 | 43   | 1695368  | 271.784  | ug/l   | 97       |
| 60) Dibromochloromethane       | 10.64 | 129  | 739635   | 55.342   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 10.76 | 107  | 582498   | 52.878   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.26 | 164  | 904604   | 53.803   | ug/l   | 97       |
| 65) Chlorobenzene              | 11.31 | 112  | 2130686  | 52.214   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.42 | 131  | 682562   | 51.122   | ug/l   | 96       |
| 67) Ethyl Benzene              | 11.43 | 91   | 3438403  | 49.257   | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.57 | 106  | 2636739  | 102.397  | ug/l   | 100      |
| 69) o-Xylene                   | 11.93 | 106  | 1306172  | 52.505   | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 2130078  | 52.982   | ug/l   | 99       |
| 71) Bromoform                  | 12.12 | 173  | 488806   | 54.482   | ug/l   | 100      |
| 73) Isopropylbenzene           | 12.28 | 105  | 3561354  | 50.468   | ug/l   | 99       |
| 74) N-amyl acetate             | 12.14 | 43   | 900510   | 49.774   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.56 | 83   | 567269   | 49.153   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.60 | 75   | 577520   | 49.845   | ug/l   | 99       |
| 77) Bromobenzene               | 12.54 | 156  | 933031   | 49.776   | ug/l   | 95       |
| 78) n-propylbenzene            | 12.64 | 91   | 4334712  | 49.213   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.71 | 91   | 2404884  | 49.851   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.80 | 105  | 2686102  | 48.979   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.35 | 75   | 170695   | 51.748   | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.81 | 91   | 2672058  | 49.309   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.05 | 119  | 3135025  | 51.490   | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene     | 13.09 | 105  | 2792572  | 50.987   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.22 | 105  | 3867862  | 51.779   | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 13.34 | 119  | 3117403  | 51.822   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene        | 13.31 | 146  | 1699593  | 50.964   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.39 | 146  | 1671087  | 51.308   | ug/l   | 95       |
| 89) n-Butylbenzene             | 13.65 | 91   | 3071794  | 53.052   | ug/l   | 97       |
| 90) Hexachloroethane           | 13.86 | 117  | 777838   | 54.531   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene        | 13.67 | 146  | 1373648  | 50.147   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.23 | 75   | 72383    | 51.958   | ug/l   | 73       |

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Data File : VD060292.D  
Acq On : 7 Nov 2018 10:30  
Operator : JC/SY  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

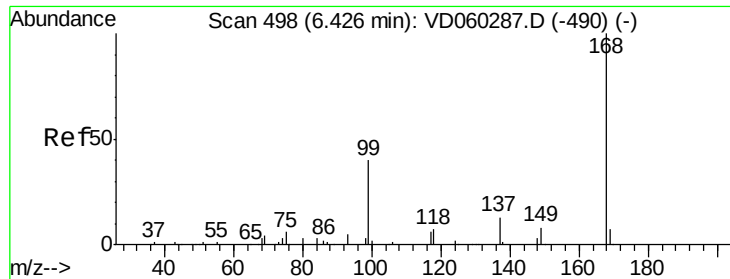
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

Quant Time: Nov 08 10:29:49 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 06 13:56:04 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.79 | 180  | 1128112  | 51.943 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.89 | 225  | 834325   | 51.360 | ug/l  | 99       |
| 95) Naphthalene            | 14.97 | 128  | 1344031  | 50.681 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.11 | 180  | 912705   | 52.444 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

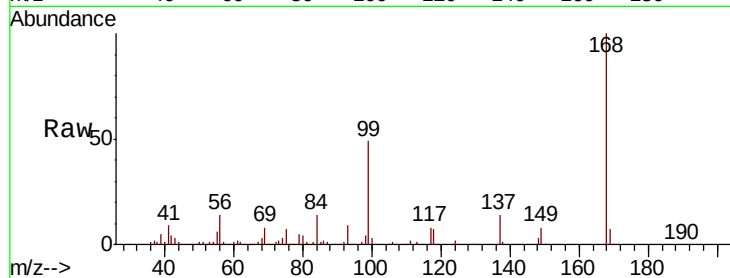
VSTD05006

Tot Ion:168 Resp: 1737562

Ion Ratio Lower Upper

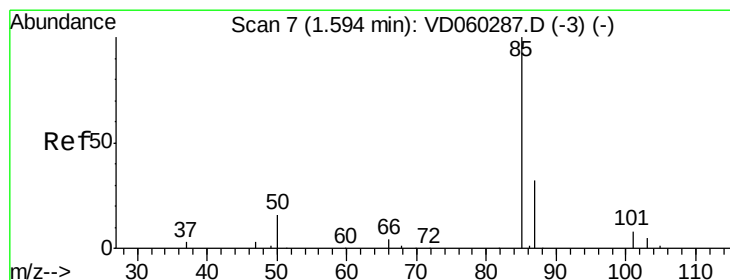
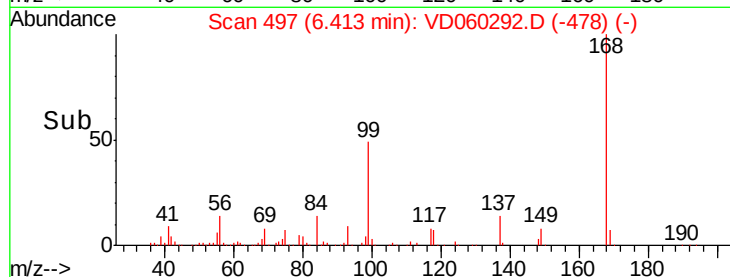
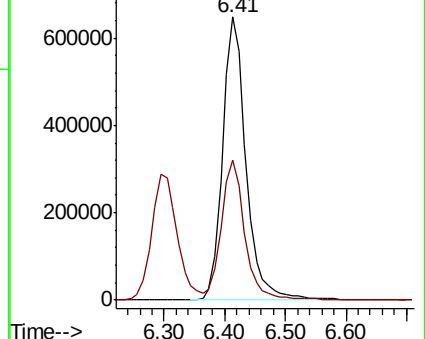
168 100

99 49.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.823 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060292.D

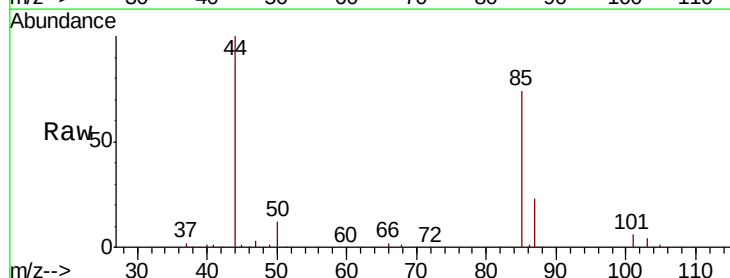
Acq: 7 Nov 2018 10:30

Tgt Ion: 85 Resp: 728786

Ion Ratio Lower Upper

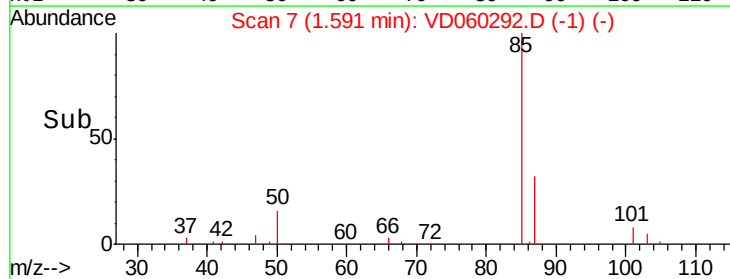
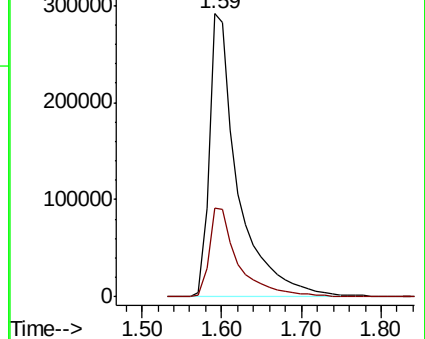
85 100

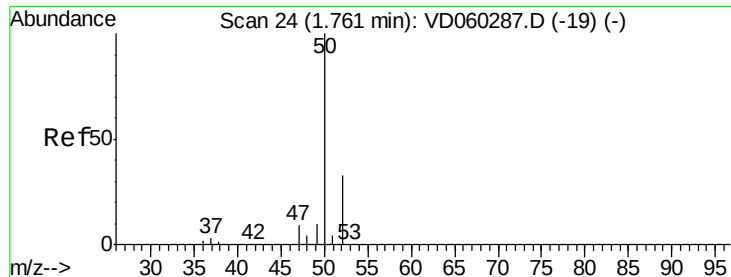
87 31.5 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 44.873 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

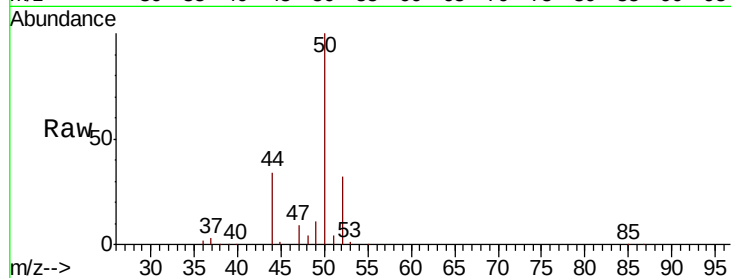
VSTD05006

Tot Ion: 50 Resp: 738561

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

300000

250000

200000

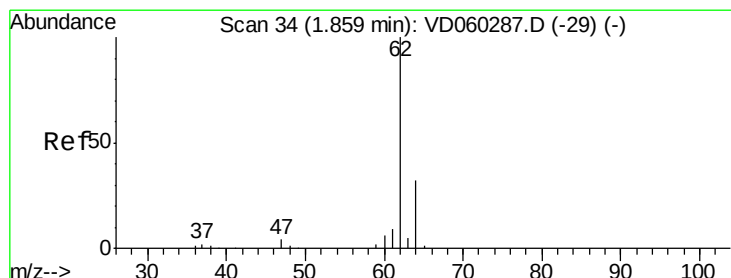
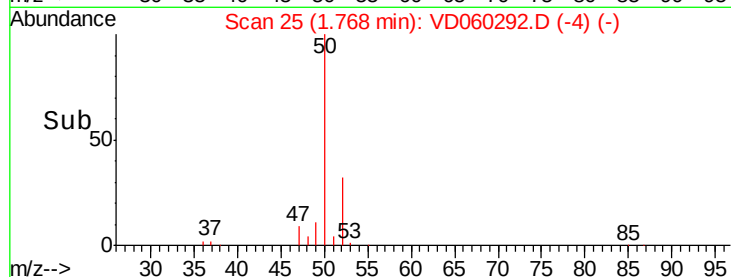
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.324 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060292.D

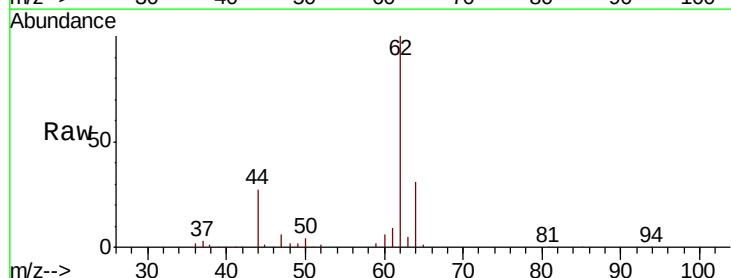
Acq: 7 Nov 2018 10:30

Tgt Ion: 62 Resp: 636095

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

300000

250000

200000

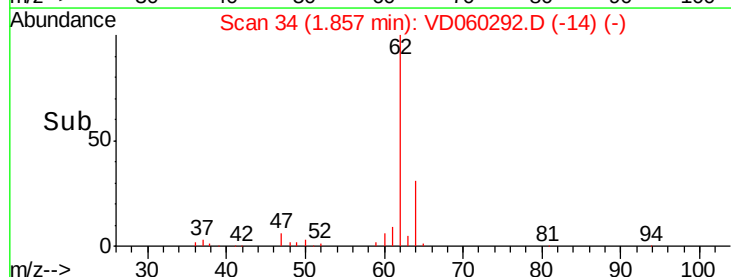
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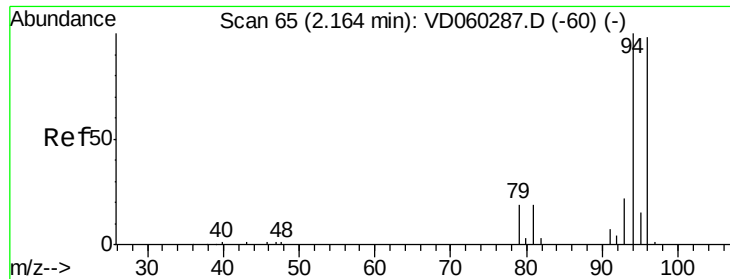
100000

50000

0

Time-->





#5

Bromomethane

Concen: 53.452 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

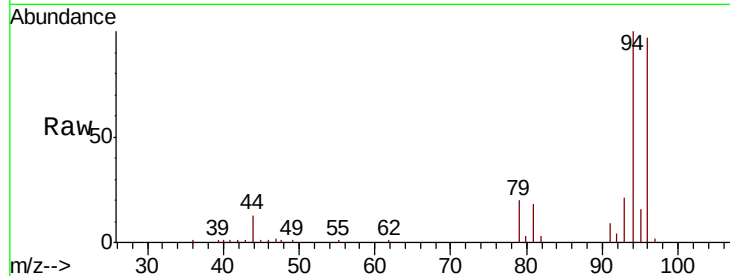
VSTD05006

Tot Ion: 94 Resp: 170456

Ion Ratio Lower Upper

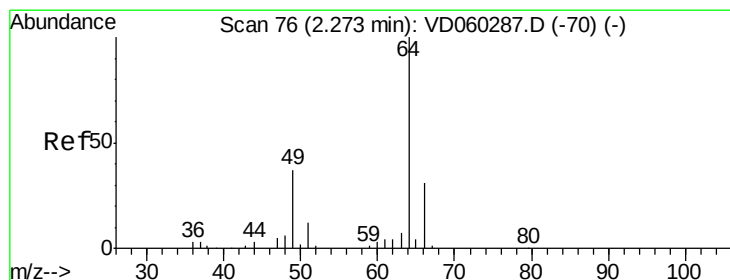
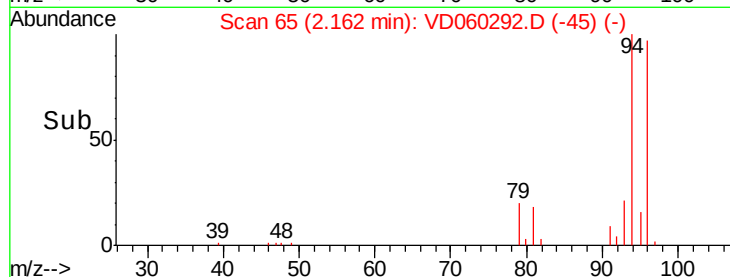
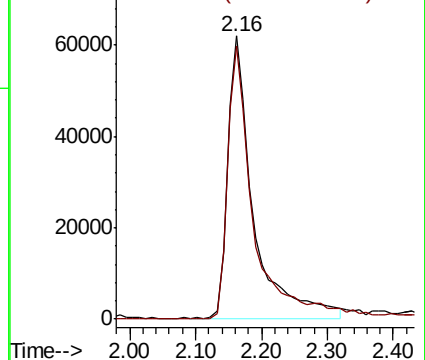
94 100

96 96.7 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.330 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060292.D

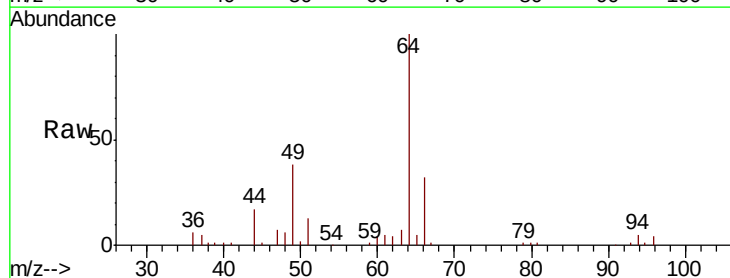
Acq: 7 Nov 2018 10:30

Tgt Ion: 64 Resp: 220007

Ion Ratio Lower Upper

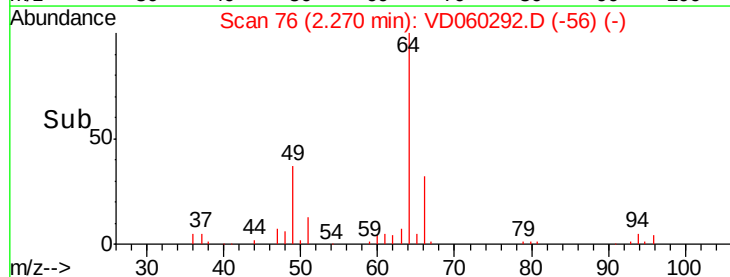
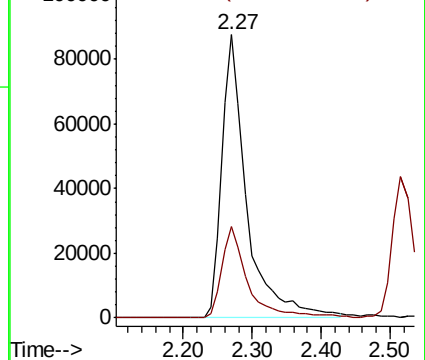
64 100

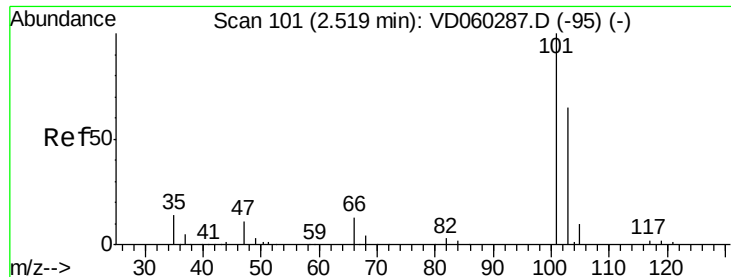
66 32.1 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



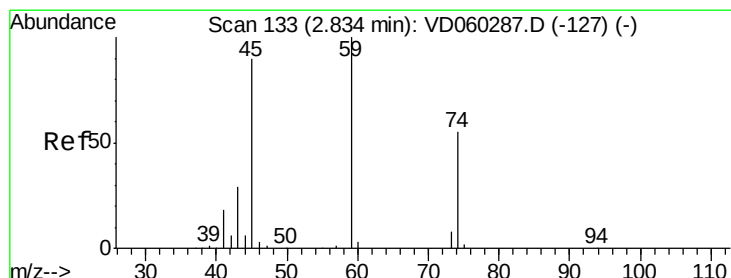
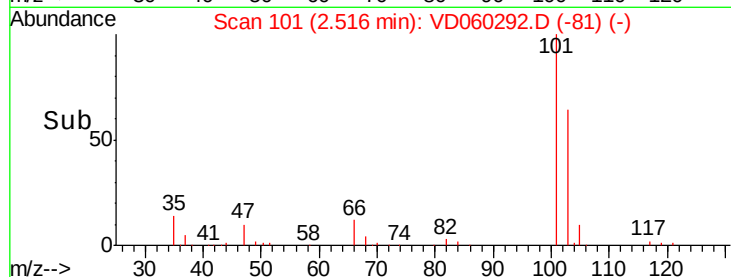
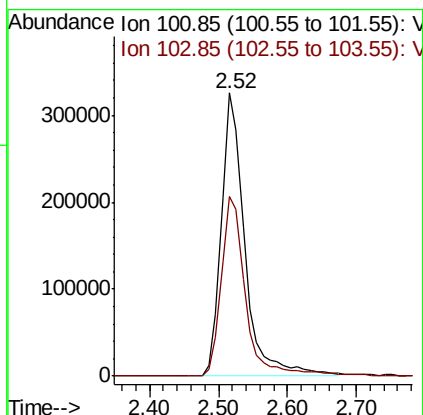
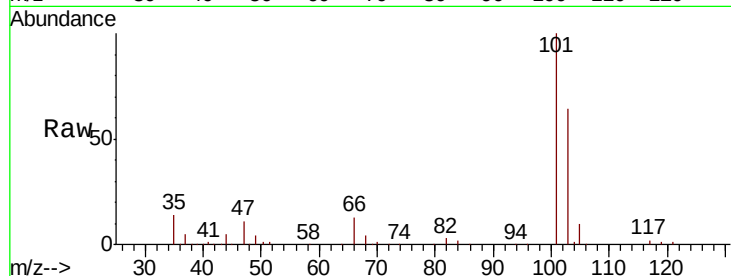


#7

Trichlorofluoromethane  
Concen: 48.785 ug/l  
RT: 2.52 min Scan# 101  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

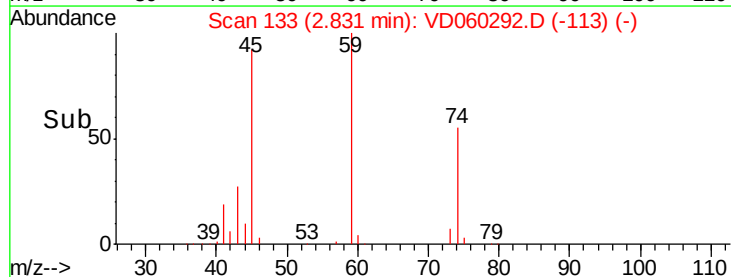
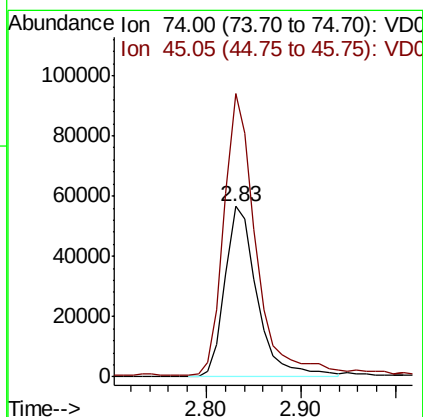
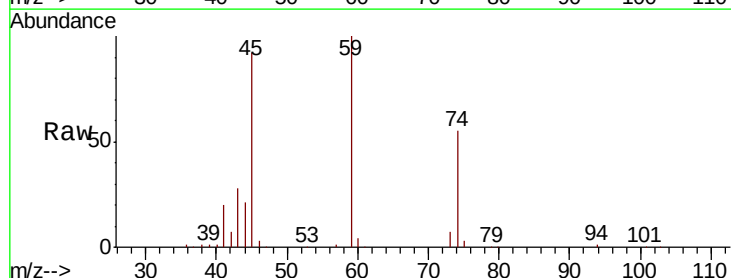
Tot Ion:101 Resp: 773104  
Ion Ratio Lower Upper  
101 100  
103 63.6 53.6 80.4



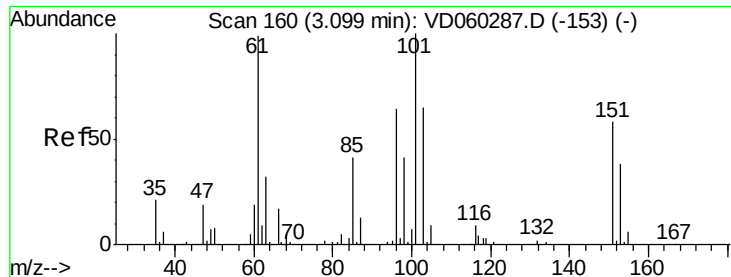
#8

Diethyl Ether  
Concen: 46.624 ug/l  
RT: 2.83 min Scan# 133  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion: 74 Resp: 133771  
Ion Ratio Lower Upper  
74 100  
45 166.1 84.8 254.4







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.513 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

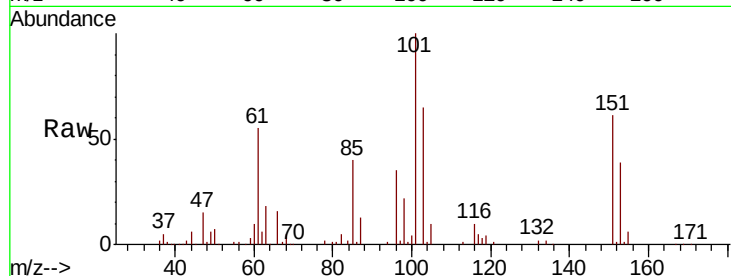
Tot Ion:101 Resp: 495231

Ion Ratio Lower Upper

101 100

85 39.9 31.4 47.0

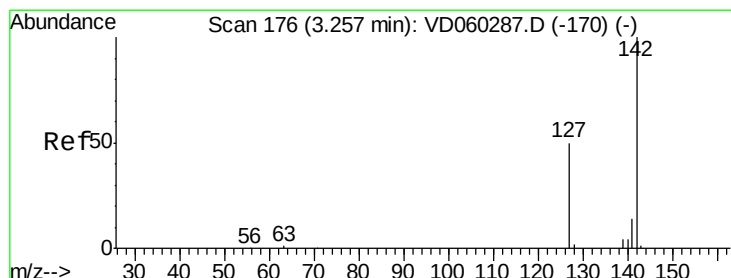
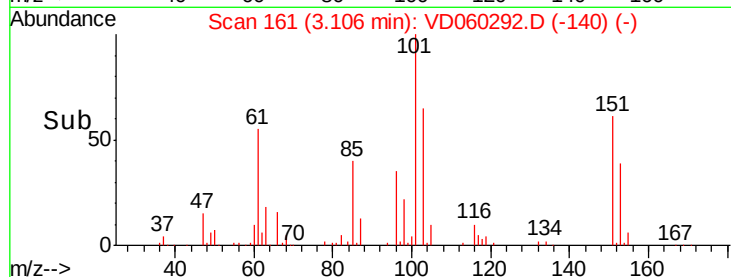
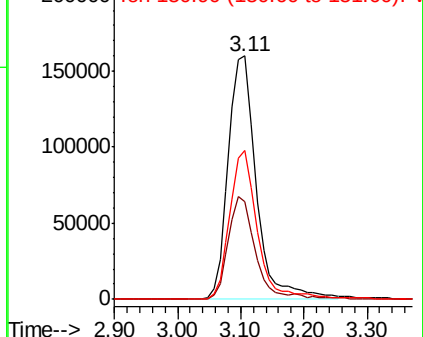
151 61.0 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 45.161 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

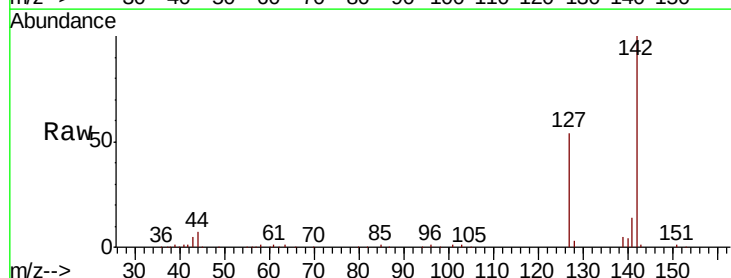
Tgt Ion:142 Resp: 611369

Ion Ratio Lower Upper

142 100

127 54.4 41.0 61.6

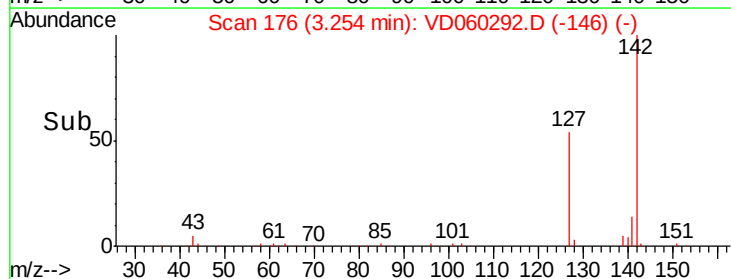
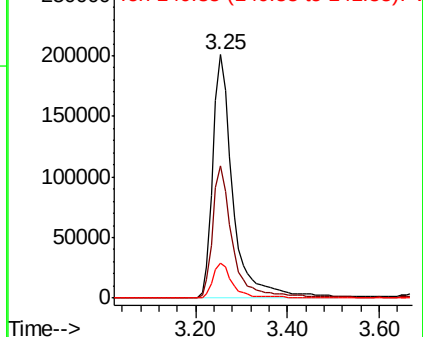
141 14.4 11.9 17.9

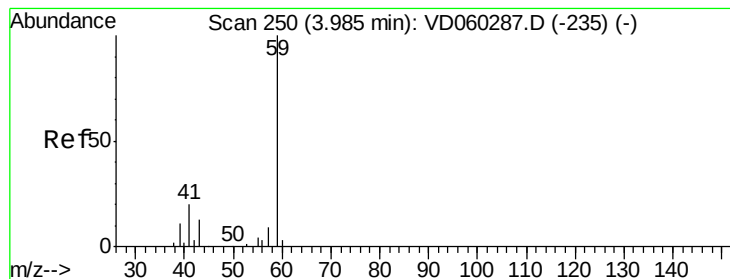


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



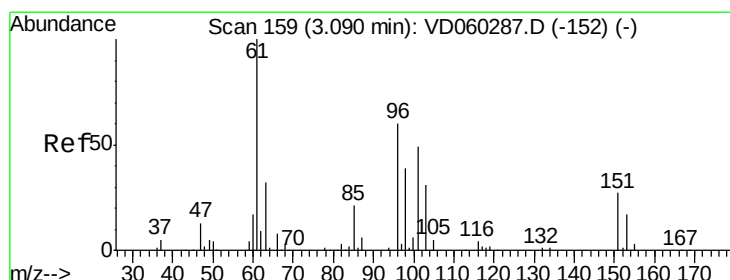
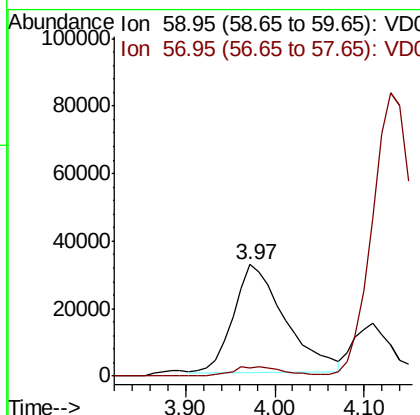
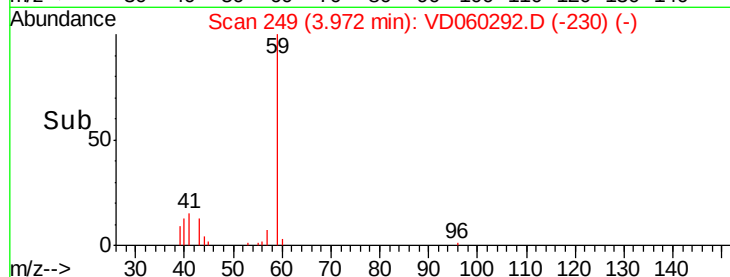
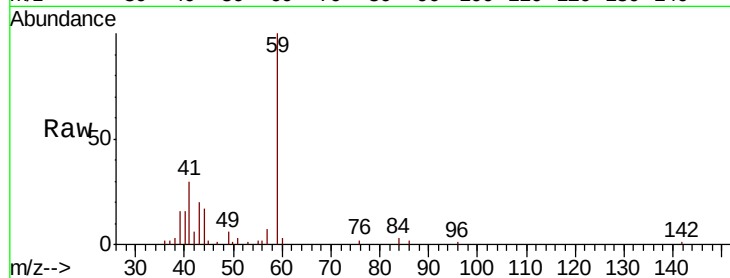


#11

Tert butyl alcohol  
Concen: 250.729 ug/l  
RT: 3.97 min Scan# 249  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

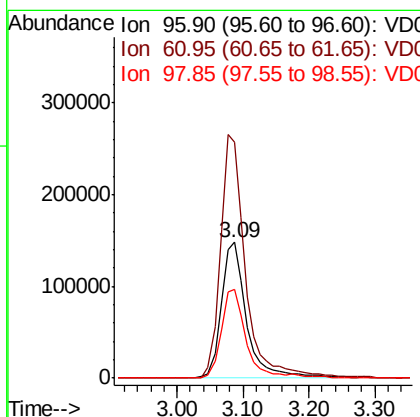
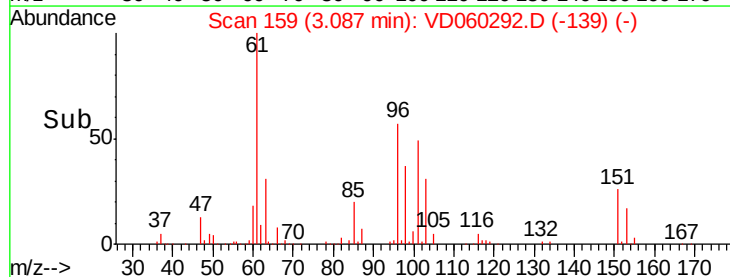
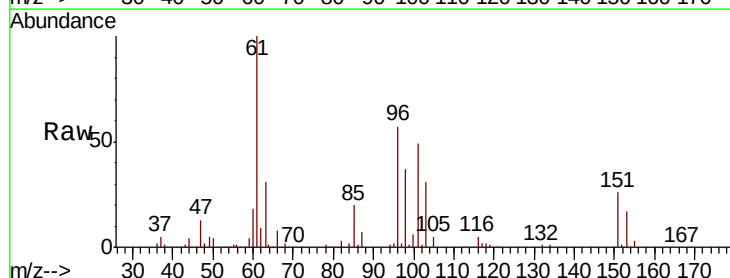
Tot Ion: 59 Resp: 128093  
Ion Ratio Lower Upper  
59 100  
57 7.4 9.3 13.9#

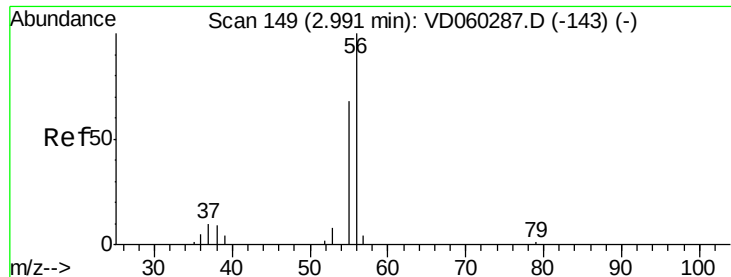


#12

1,1-Dichloroethene  
Concen: 46.572 ug/l  
RT: 3.09 min Scan# 159  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion: 96 Resp: 394849  
Ion Ratio Lower Upper  
96 100  
61 174.1 142.2 213.4  
98 64.9 52.6 79.0





#13

Acrolein

Concen: 223.032 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

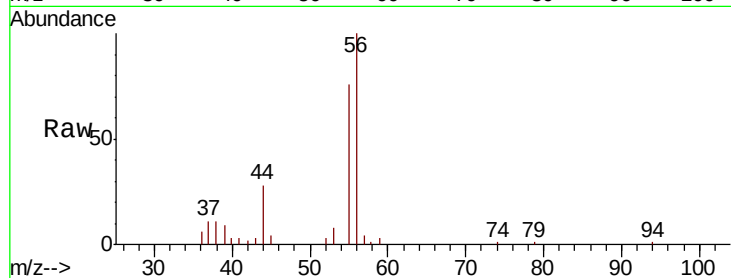
VSTD05006

Tot Ion: 56 Resp: 134636

Ion Ratio Lower Upper

56 100

55 75.7 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.99

50000

40000

30000

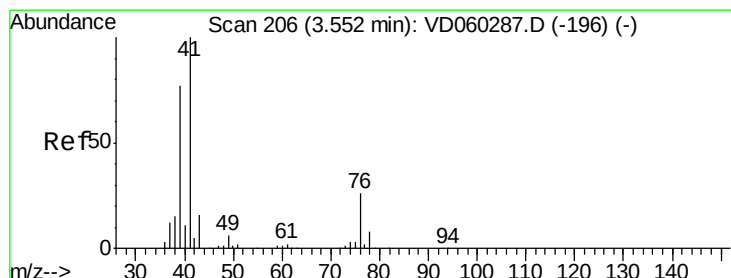
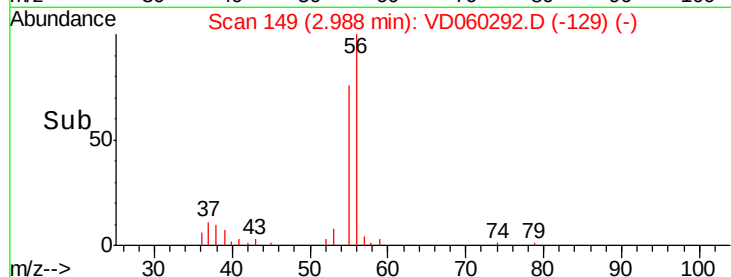
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 48.711 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

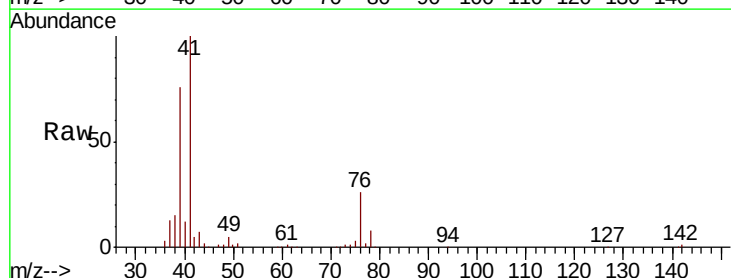
Tgt Ion: 41 Resp: 790194

Ion Ratio Lower Upper

41 100

39 75.7 60.4 90.6

76 26.5 21.8 32.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

300000

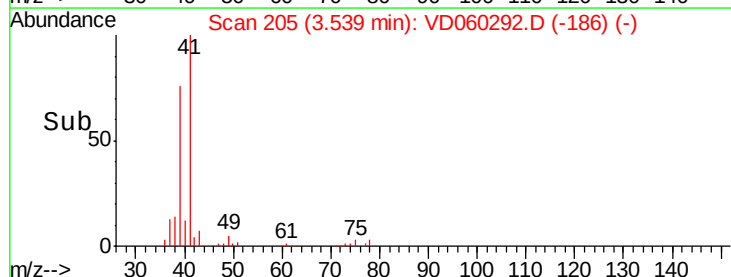
200000

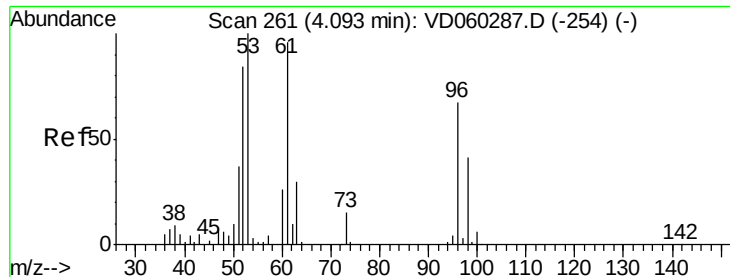
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 242.972 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

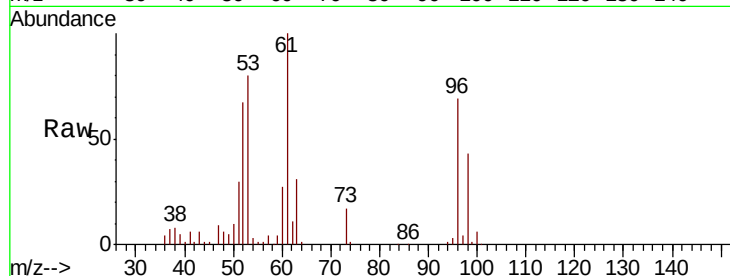
Tot Ion: 53 Resp: 723860

Ion Ratio Lower Upper

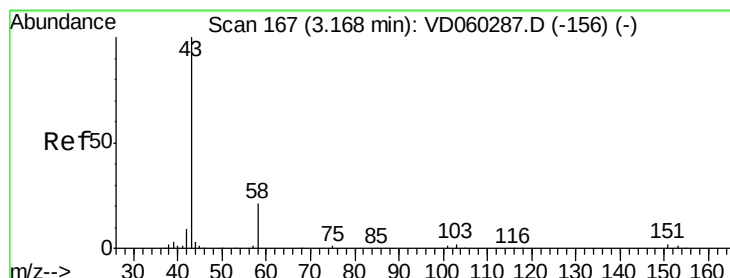
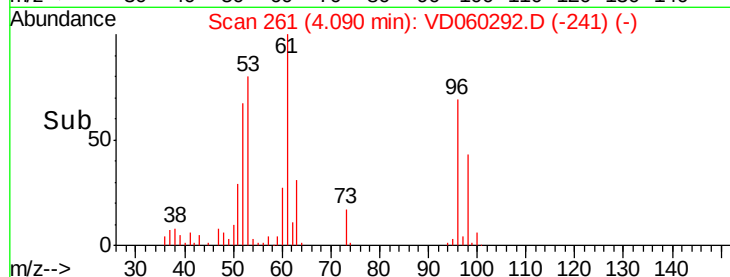
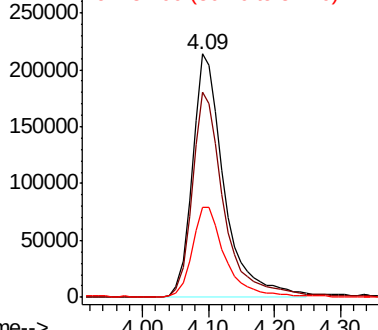
53 100

52 84.0 67.0 100.4

51 37.1 29.9 44.9



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: 265.116 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060292.D

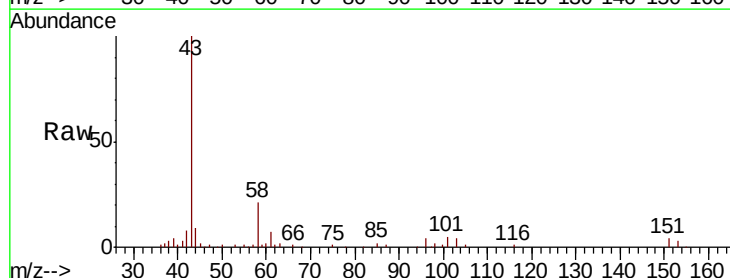
Acq: 7 Nov 2018 10:30

Tgt Ion: 43 Resp: 572136

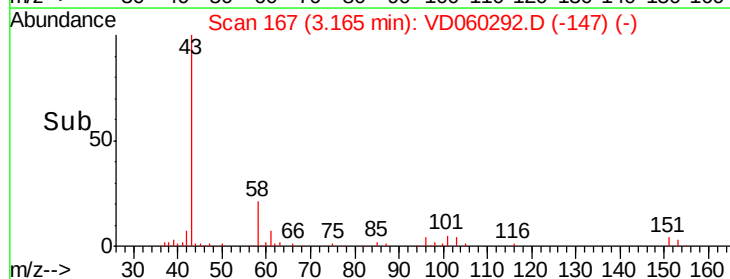
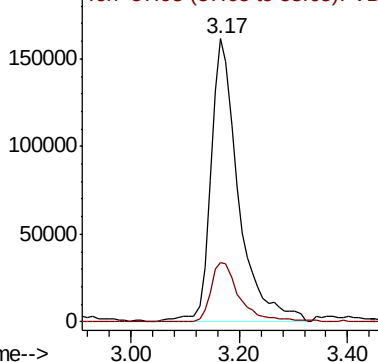
Ion Ratio Lower Upper

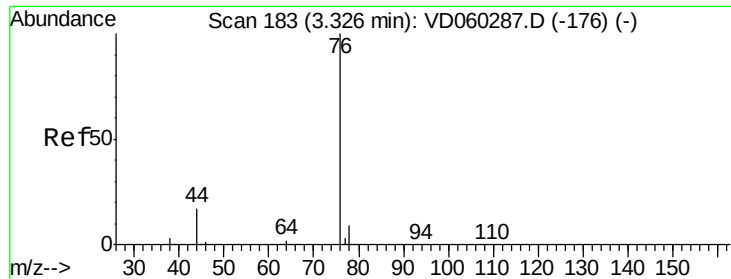
43 100

58 21.0 16.9 25.3



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





#17

Carbon Disulfide

Concen: 46.956 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

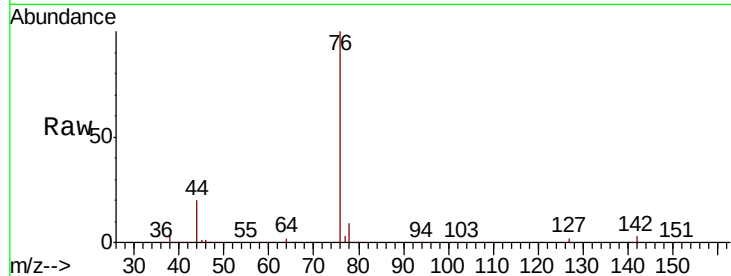
VSTD05006

Tot Ion: 76 Resp: 1284978

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.32

500000

400000

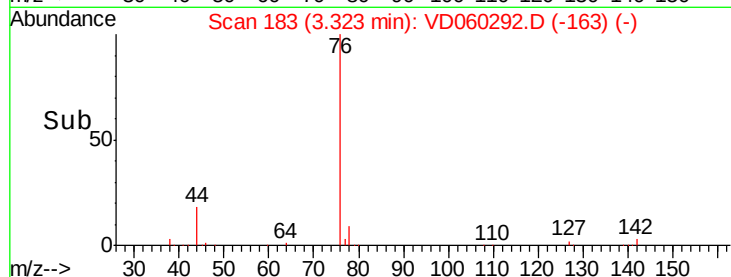
300000

200000

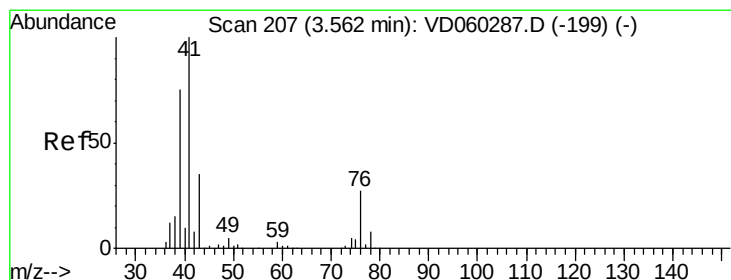
100000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 47.152 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060292.D

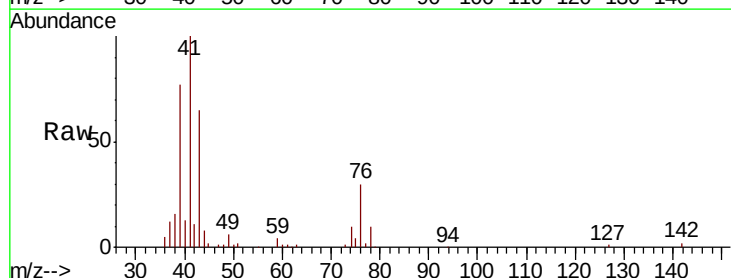
Acq: 7 Nov 2018 10:30

Tgt Ion: 43 Resp: 216969

Ion Ratio Lower Upper

43 100

74 15.0 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.57

80000

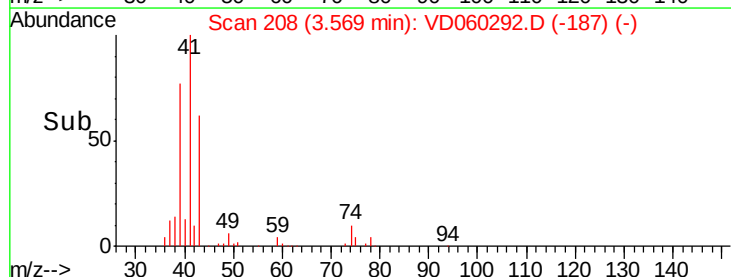
60000

40000

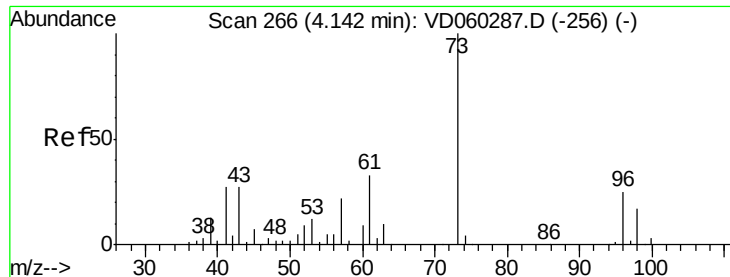
20000

0

Time-->



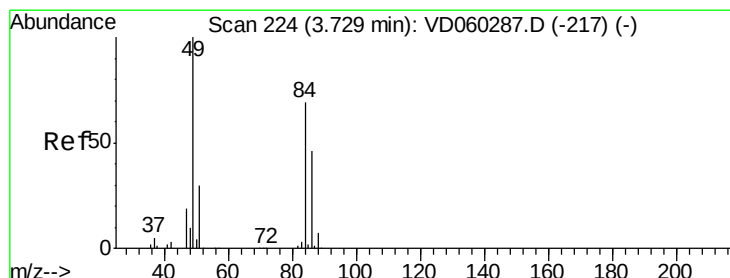
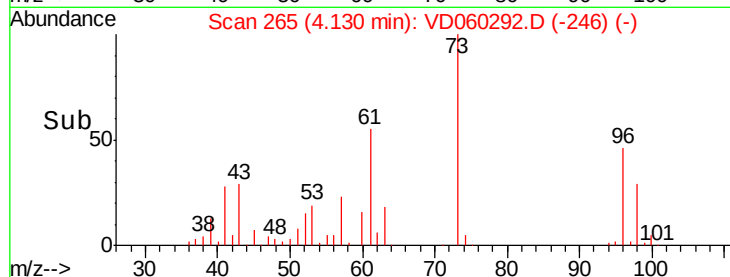
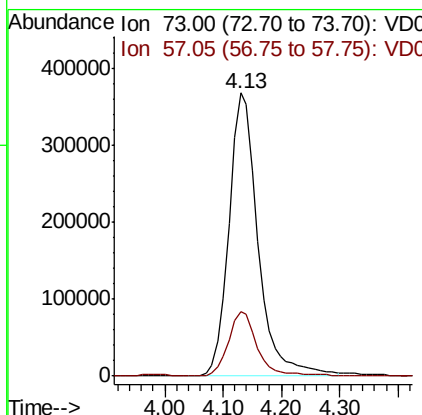
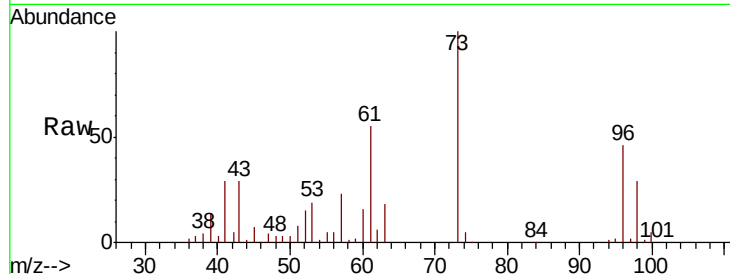
Time-->



#19  
Methyl tert-butyl Ether  
Concen: 50.273 ug/l  
RT: 4.13 min Scan# 265  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

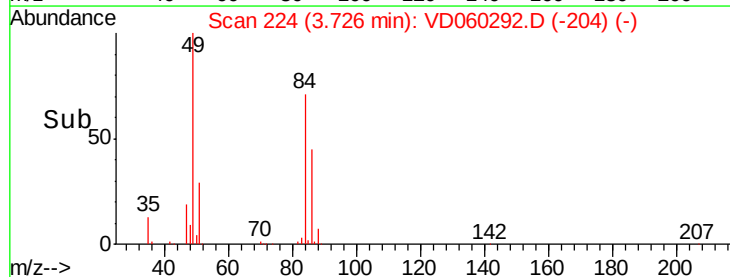
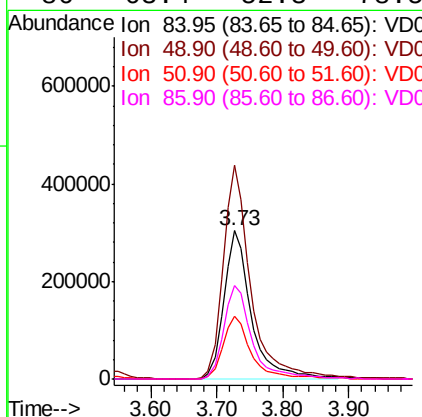
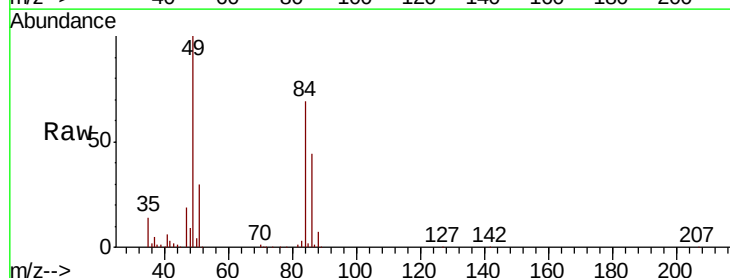
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

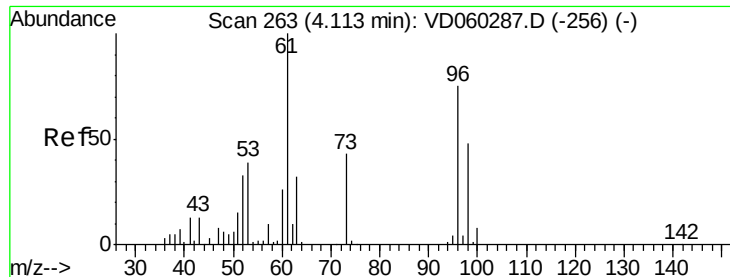
Tot Ion: 73 Resp: 1276267  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.1 27.1



#20  
Methylene Chloride  
Concen: 46.309 ug/l  
RT: 3.73 min Scan# 224  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion: 84 Resp: 886522  
Ion Ratio Lower Upper  
84 100  
49 144.1 115.6 173.4  
51 42.6 35.6 53.4  
86 63.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.852 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

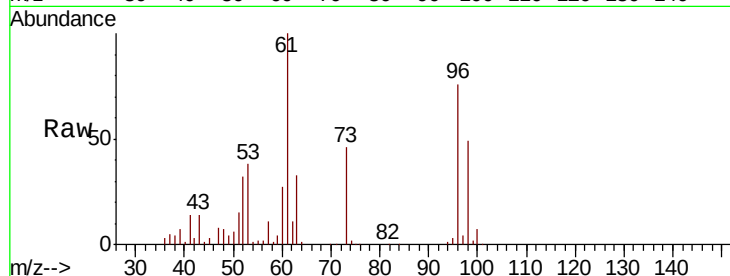
Tot Ion: 96 Resp: 957270

Ion Ratio Lower Upper

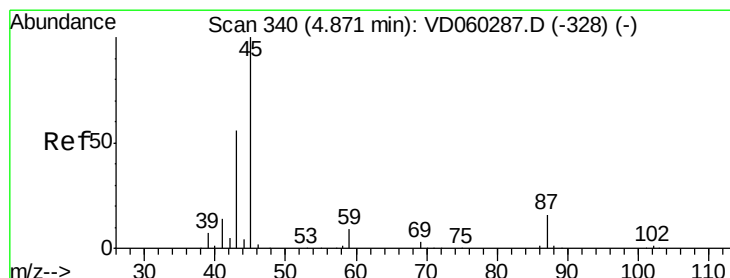
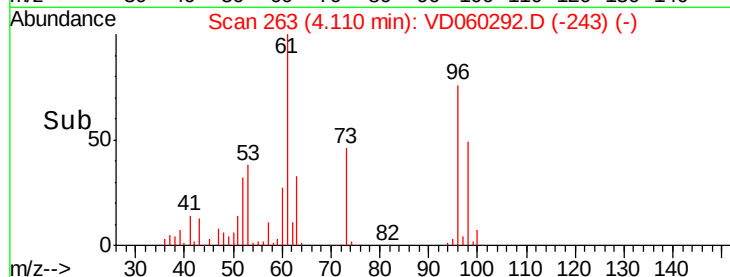
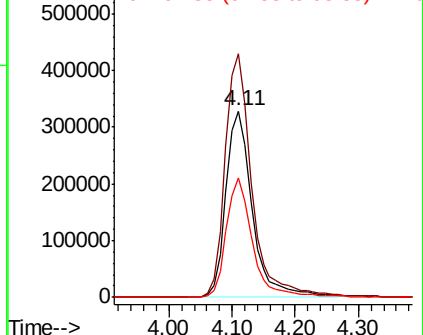
96 100

61 130.7 105.8 158.6

98 64.2 50.8 76.2



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: 50.371 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Tgt Ion: 45 Resp: 3052775

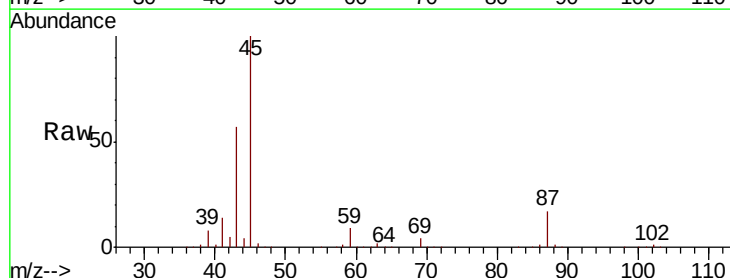
Ion Ratio Lower Upper

45 100

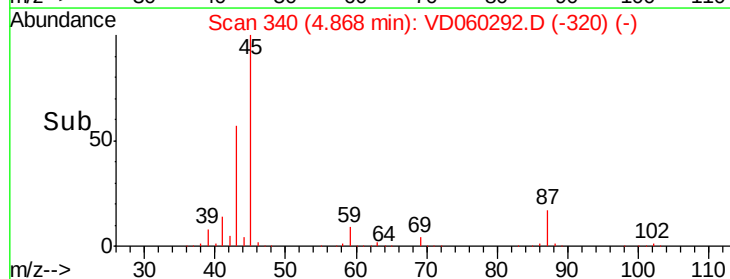
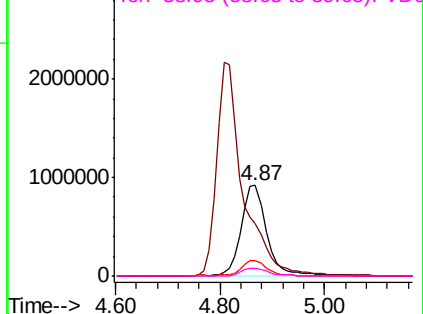
43 57.2 44.9 67.3

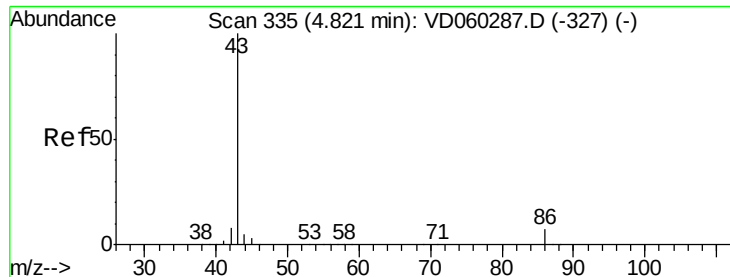
87 17.5 13.9 20.9

59 8.9 7.0 10.6



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: 249.617 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

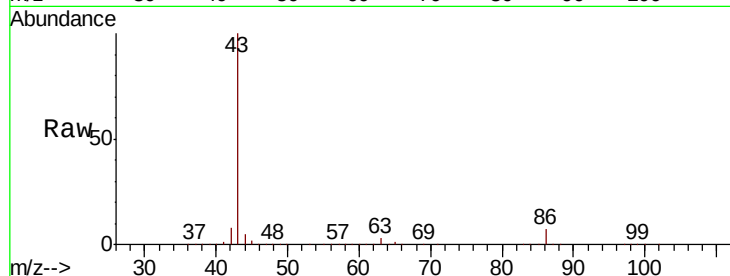
VSTD05006

Tot Ion: 43 Resp: 7527646

Ion Ratio Lower Upper

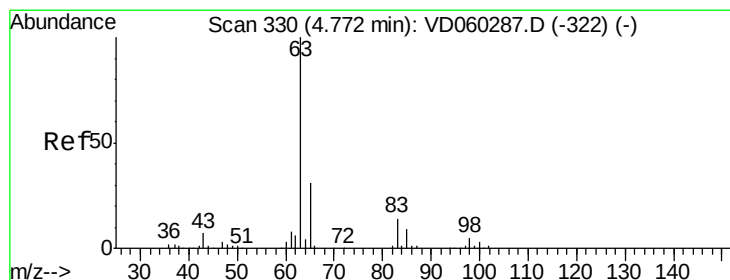
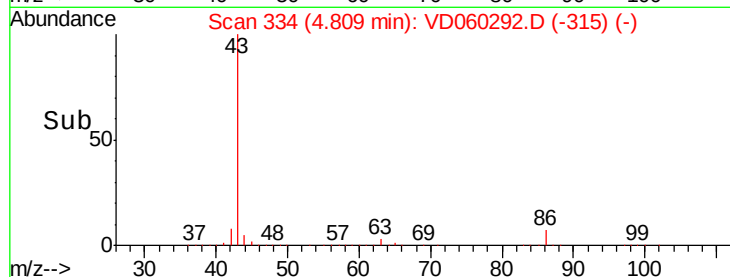
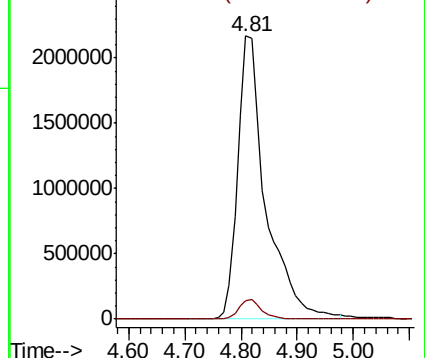
43 100

86 6.7 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD060292.D (-315) (-)

Ion 86.00 (85.70 to 86.70): VD060292.D (-315) (-)



#24

1,1-Dichloroethane

Concen: 50.739 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

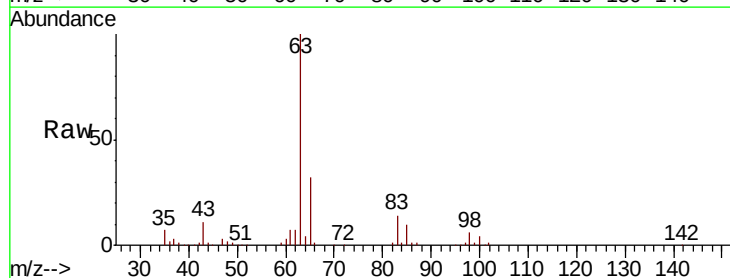
Tgt Ion: 63 Resp: 1576911

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

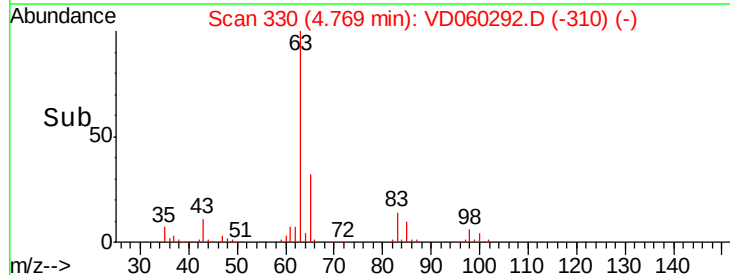
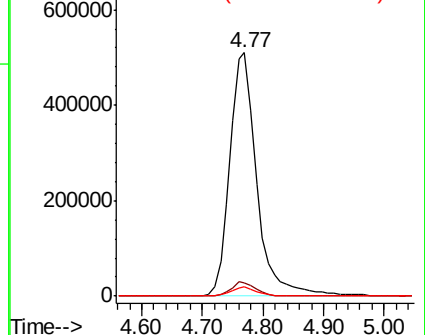
100 3.7 1.8 5.5



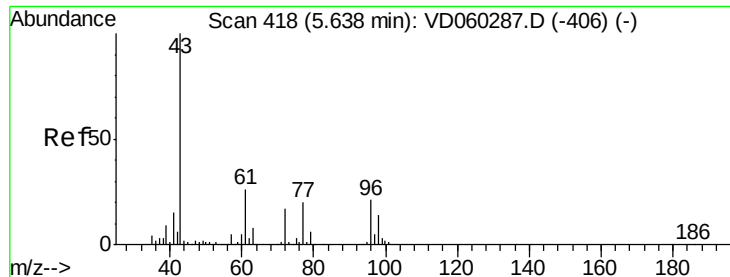
Abundance Ion 62.95 (62.65 to 63.65): VD060292.D (-310) (-)

Ion 97.95 (97.65 to 98.65): VD060292.D (-310) (-)

Ion 99.95 (99.65 to 100.65): VD060292.D (-310) (-)







#25

2-Butanone

Concen: 260.973 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

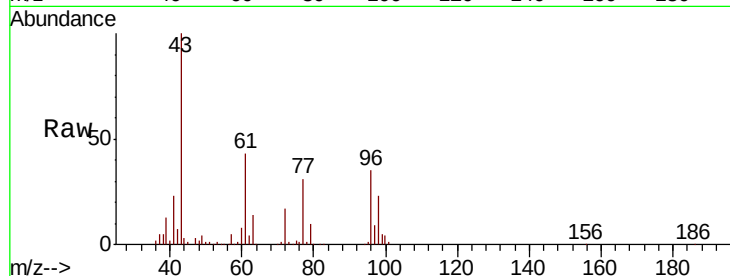
VSTD05006

Tot Ion: 43 Resp: 1170637

Ion Ratio Lower Upper

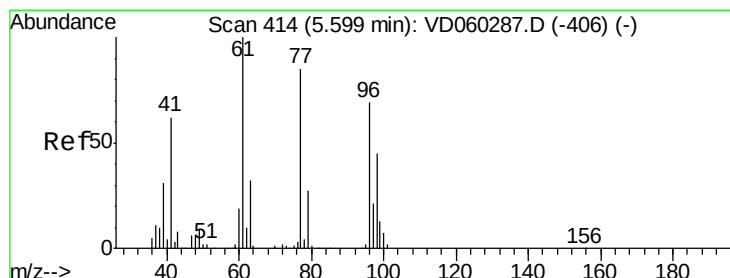
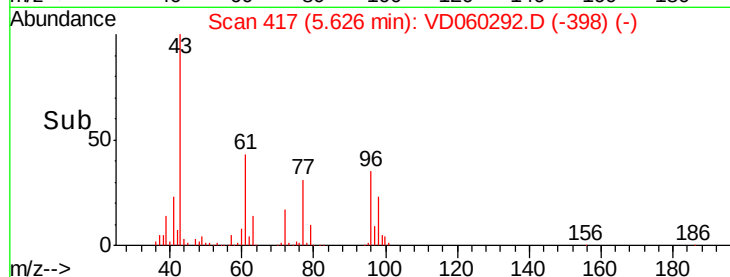
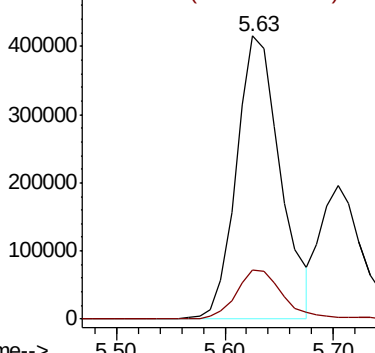
43 100

72 17.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.385 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060292.D

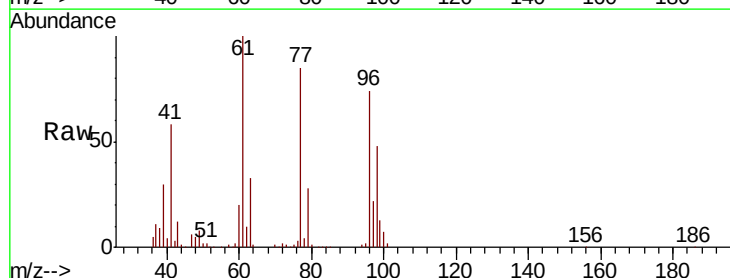
Acq: 7 Nov 2018 10:30

Tgt Ion: 77 Resp: 1289905

Ion Ratio Lower Upper

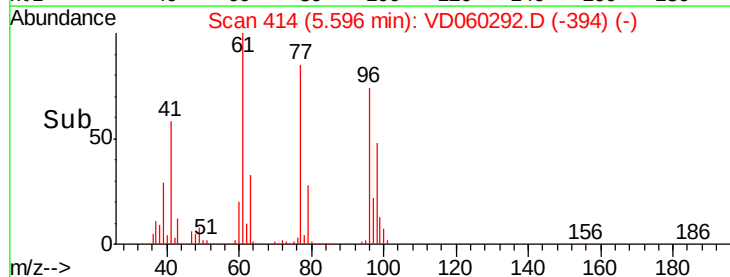
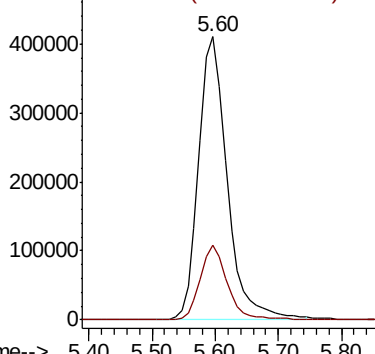
77 100

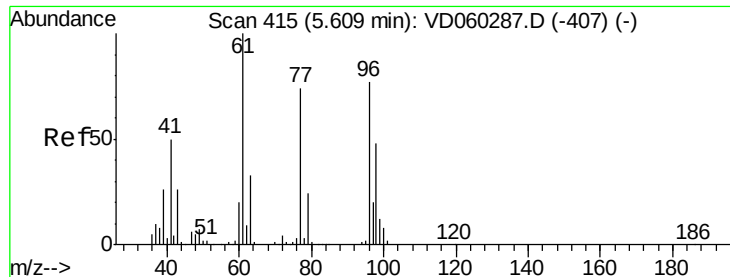
97 26.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



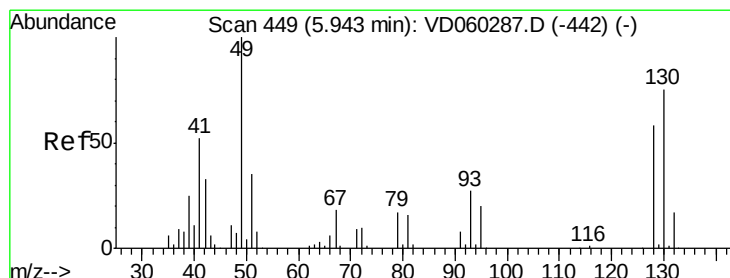
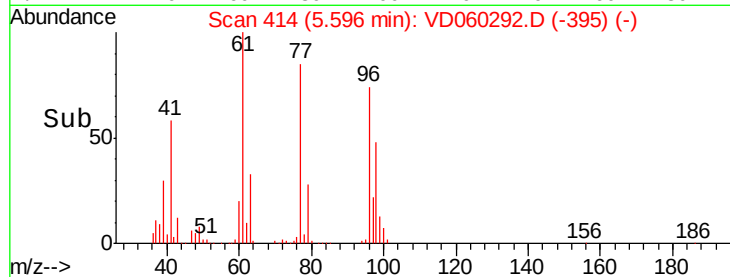
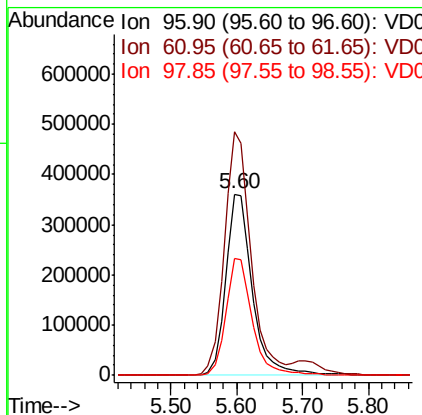
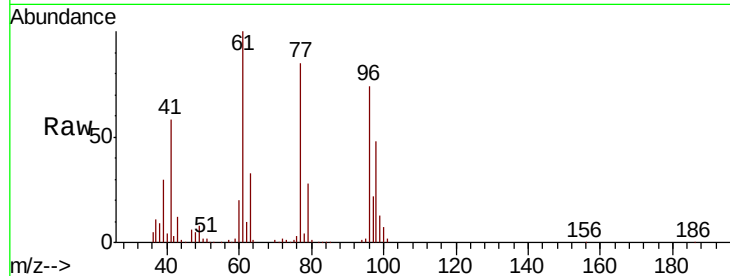


#27

cis-1,2-Dichloroethene  
Concen: 52.068 ug/l  
RT: 5.60 min Scan# 414  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

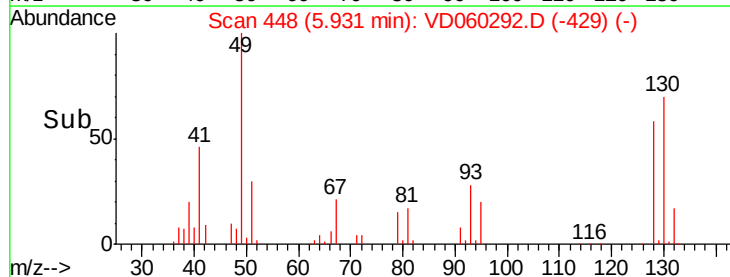
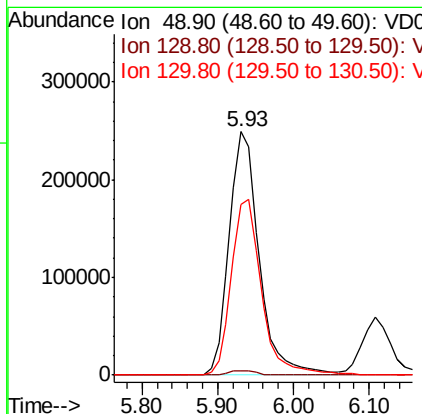
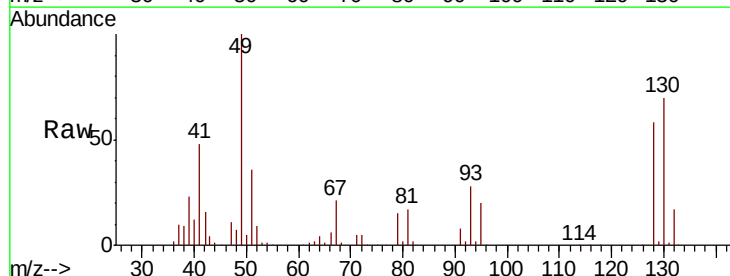
Tot Ion: 96 Resp: 1021110  
Ion Ratio Lower Upper  
96 100  
61 134.6 0.0 259.0  
98 64.4 0.0 128.8

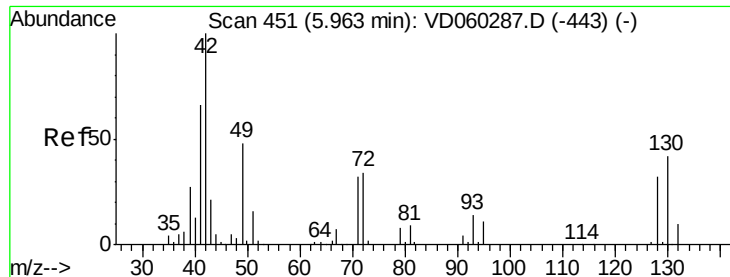


#28

Bromochloromethane  
Concen: 49.789 ug/l  
RT: 5.93 min Scan# 448  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion: 49 Resp: 682749  
Ion Ratio Lower Upper  
49 100  
129 1.9 0.0 2.8  
130 70.0 53.6 80.4





#29

Tetrahydrofuran

Concen: 239.574 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

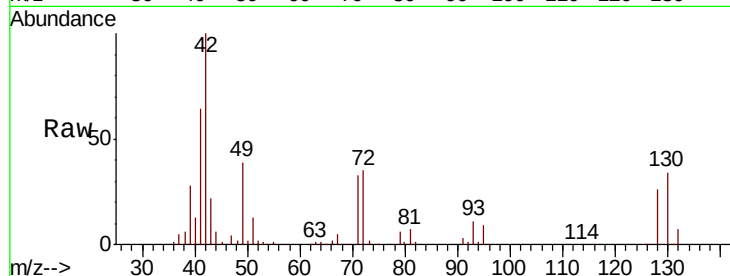
Tot Ion: 42 Resp: 566586

Ion Ratio Lower Upper

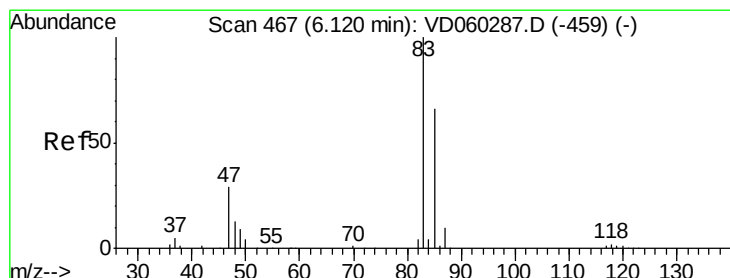
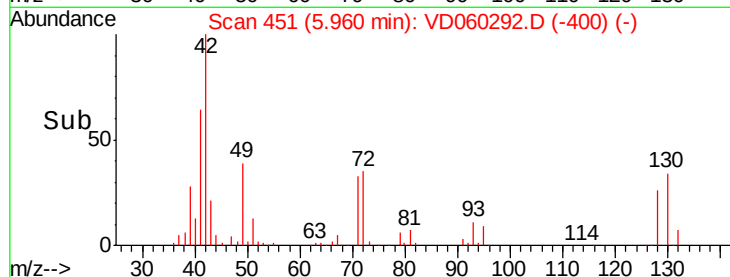
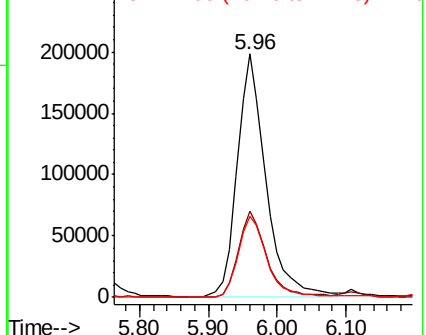
42 100

72 35.0 27.6 41.4

71 33.7 26.5 39.7



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: 51.144 ug/l

RT: 6.11 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD060292.D

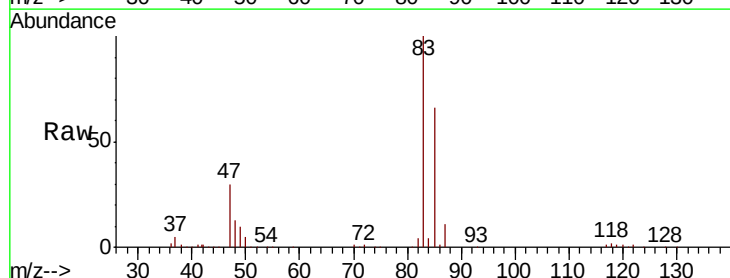
Acq: 7 Nov 2018 10:30

Tgt Ion: 83 Resp: 1589012

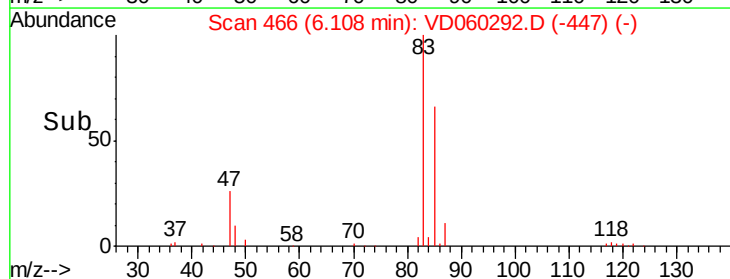
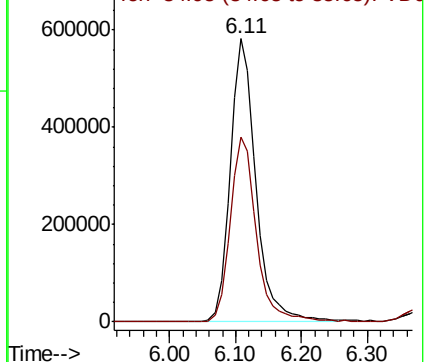
Ion Ratio Lower Upper

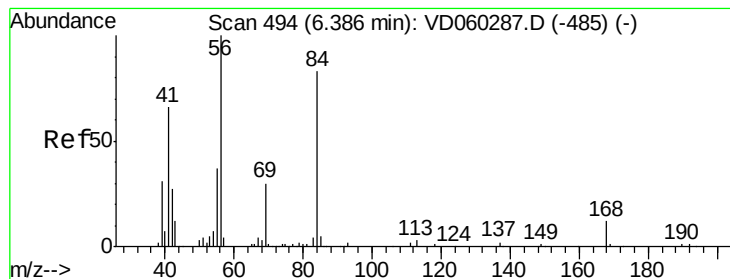
83 100

85 65.5 52.5 78.7



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





#31

Cyclohexane

Concen: 48.680 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

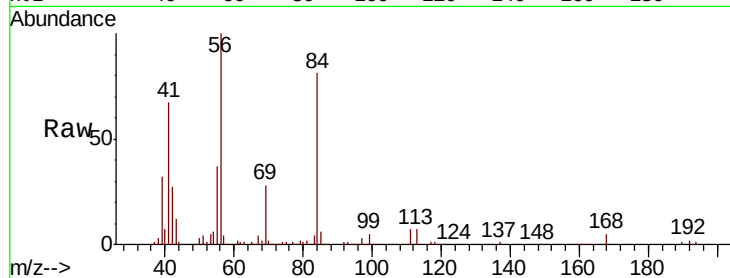
Tot Ion: 56 Resp: 1446018

Ion Ratio Lower Upper

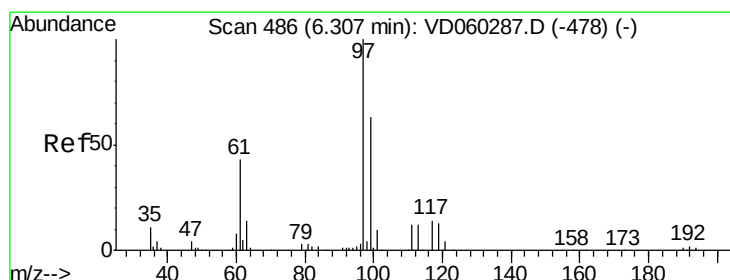
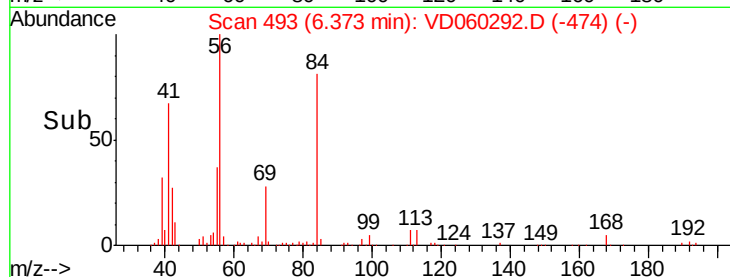
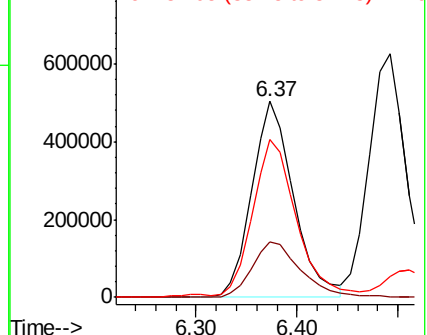
56 100

69 28.3 22.2 33.2

84 80.9 63.0 94.4



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



#32

1,1,1-Trichloroethane

Concen: 51.883 ug/l

RT: 6.29 min Scan# 485

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

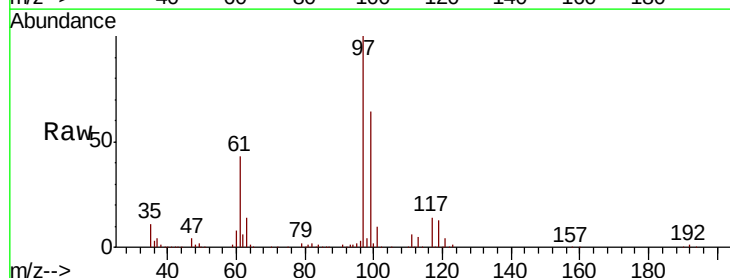
Tgt Ion: 97 Resp: 1357850

Ion Ratio Lower Upper

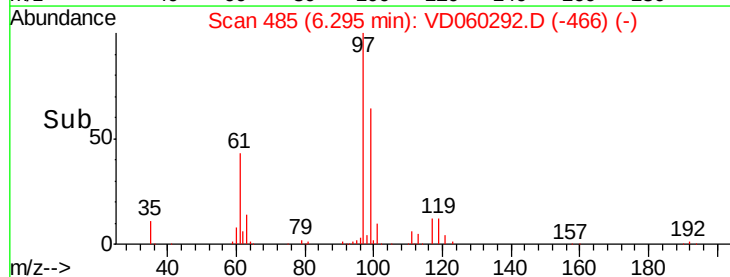
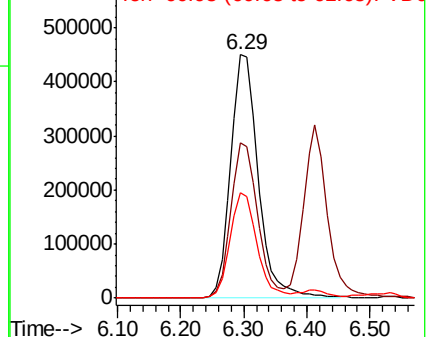
97 100

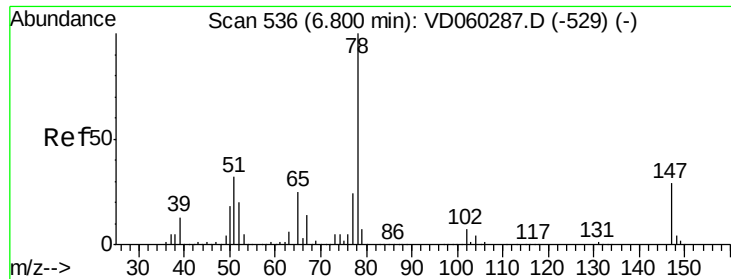
99 63.7 51.5 77.3

61 43.4 35.8 53.8



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

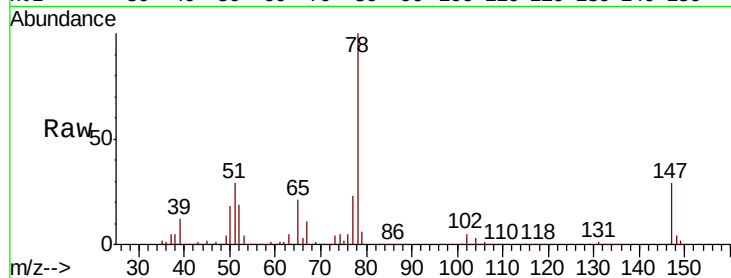




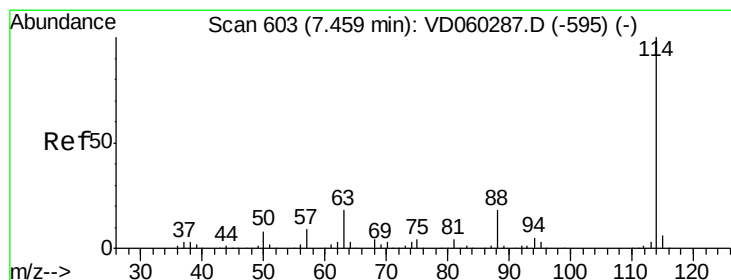
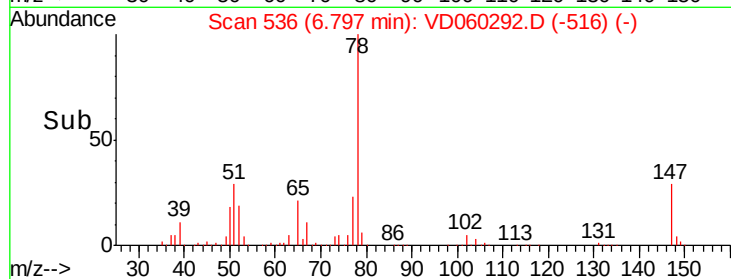
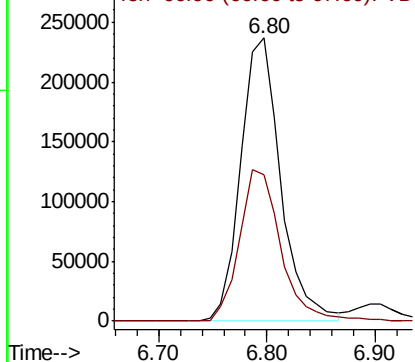
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.883 ug/l  
 RT: 6.80 min Scan# 536  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

Tot Ion: 65 Resp: 609415  
 Ion Ratio Lower Upper  
 65 100  
 67 51.7 0.0 109.8

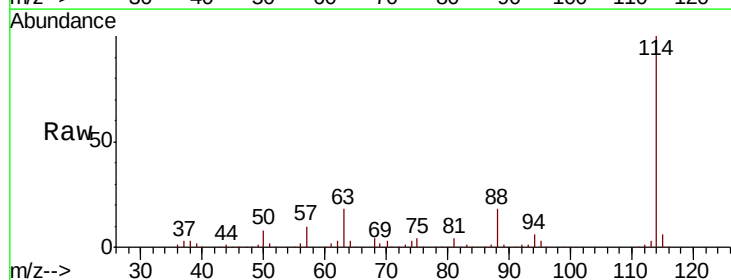


Abundance Ion 64.95 (64.65 to 65.65): VDC  
 Ion 66.90 (66.60 to 67.60): VDC

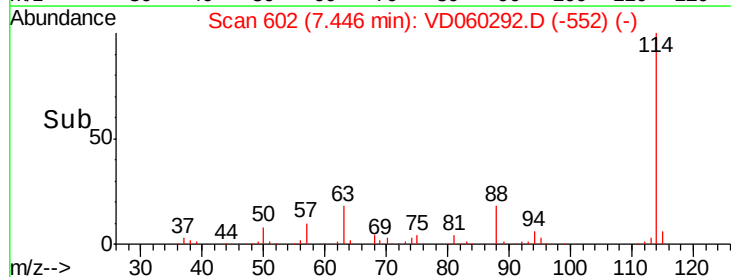
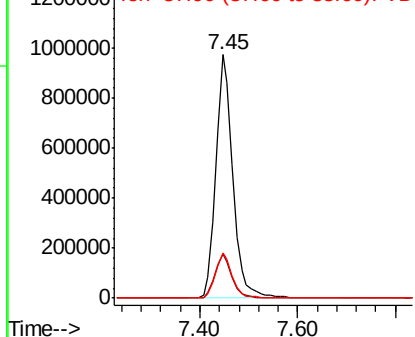


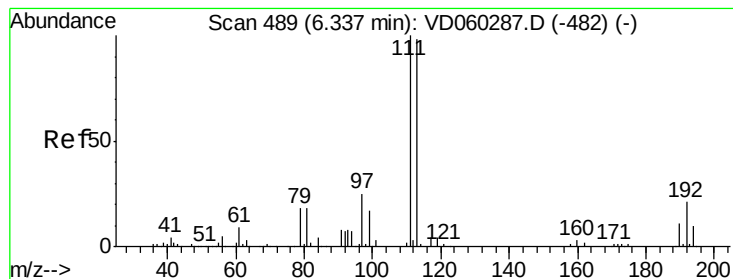
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.45 min Scan# 602  
 Delta R.T. -0.01 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Tgt Ion: 114 Resp: 2354740  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 34.0  
 88 18.4 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): VDC  
 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: 6.33 min Scan# 489

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

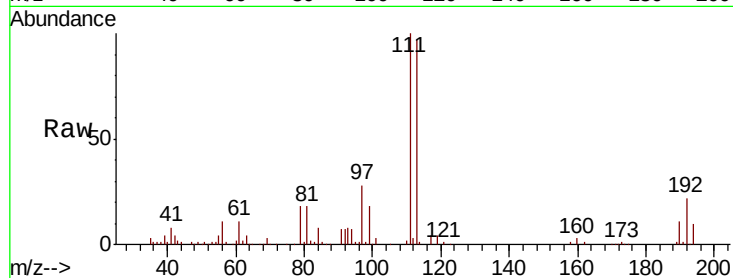
Tot Ion:113 Resp: 925331

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

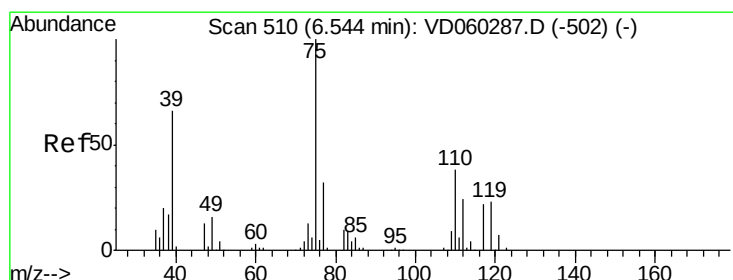
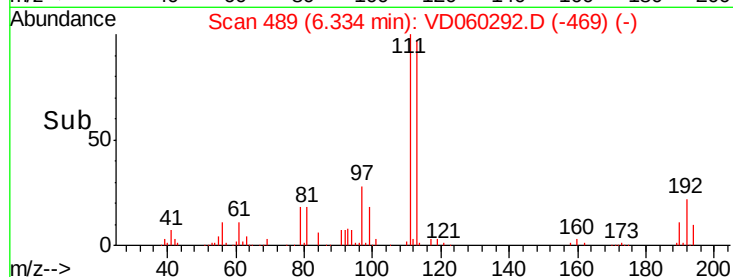
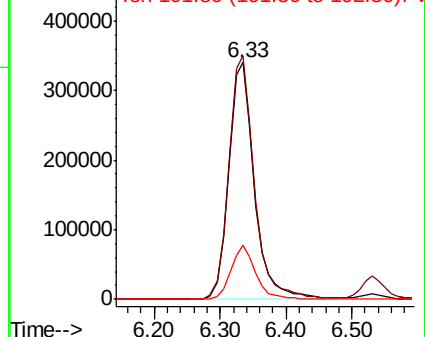
192 22.6 16.5 24.7



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: 51.993 ug/l

RT: 6.53 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

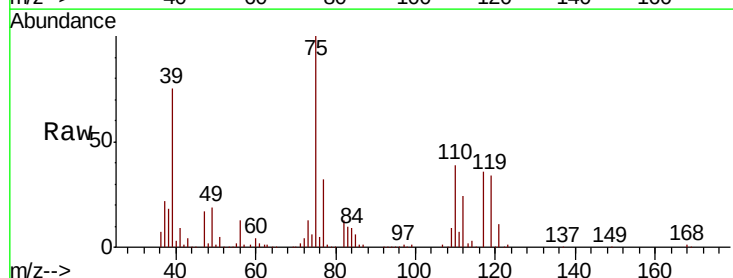
Tgt Ion: 75 Resp: 1209545

Ion Ratio Lower Upper

75 100

110 38.9 18.0 54.0

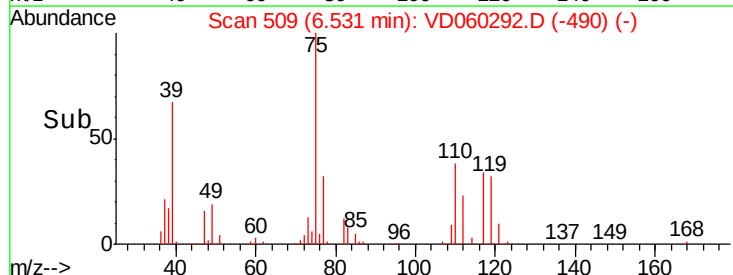
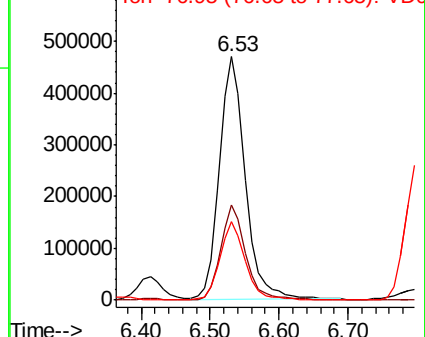
77 32.1 25.6 38.4

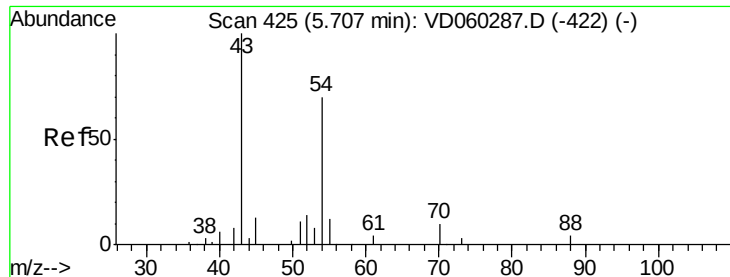


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

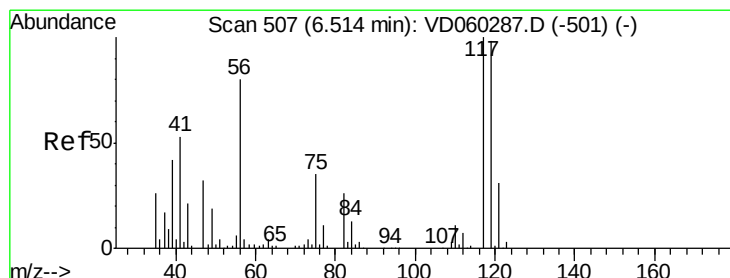
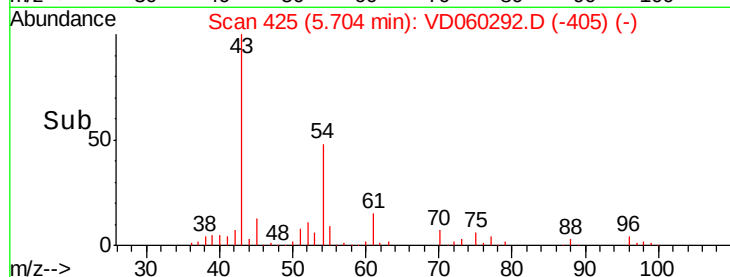
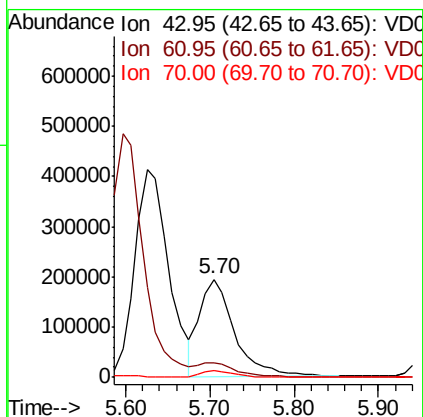
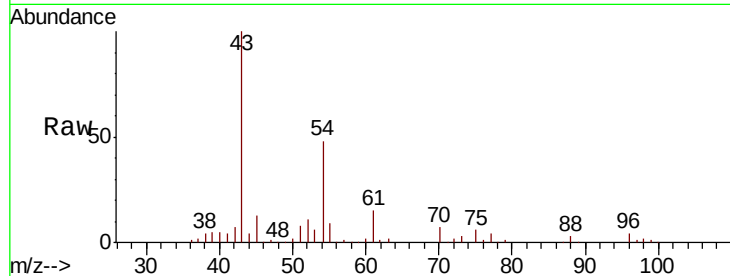




#37  
Ethyl Acetate  
Concen: 51.941 ug/l  
RT: 5.70 min Scan# 425  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

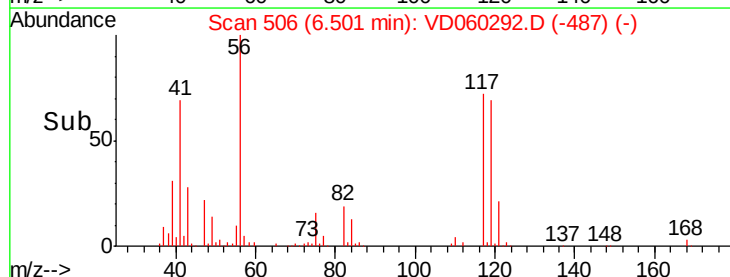
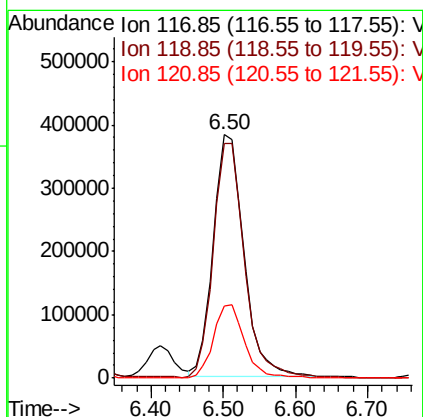
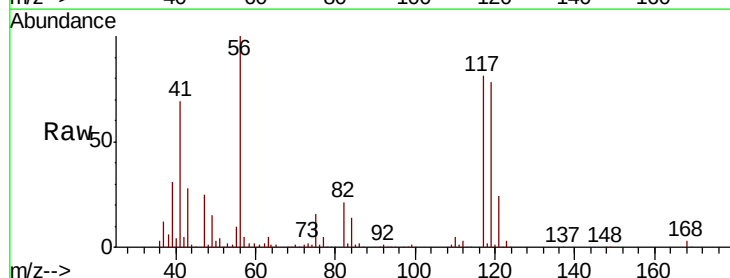
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

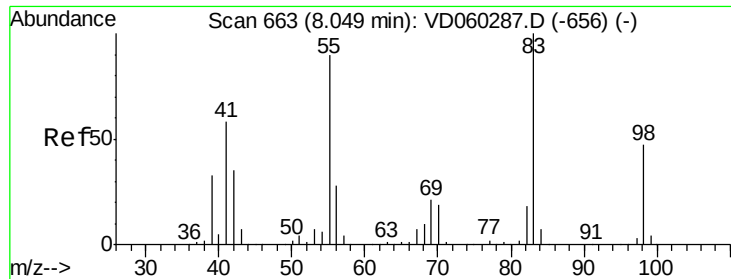
Tot Ion: 43 Resp: 556035  
Ion Ratio Lower Upper  
43 100  
61 14.7 11.8 17.6  
70 6.7 6.2 9.4



#38  
Carbon Tetrachloride  
Concen: 52.027 ug/l  
RT: 6.50 min Scan# 506  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion: 117 Resp: 1122758  
Ion Ratio Lower Upper  
117 100  
119 96.4 76.6 115.0  
121 29.6 24.3 36.5

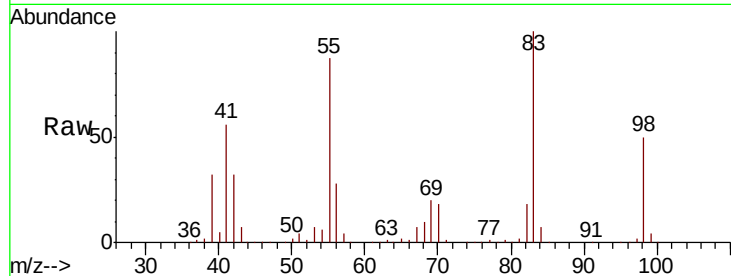




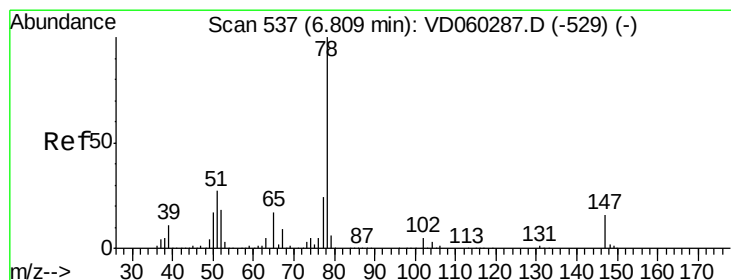
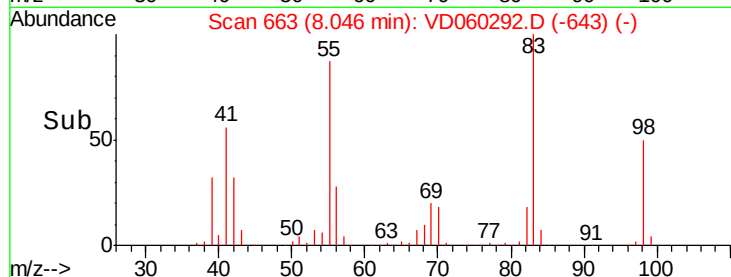
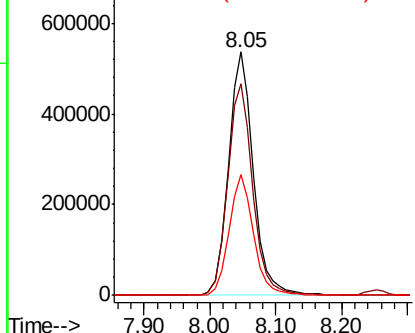
#39  
Methylvlcyclohexane  
Concen: 52.833 ug/l  
RT: 8.05 min Scan# 663  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

Tot Ion: 83 Resp: 1413643  
Ion Ratio Lower Upper  
83 100  
55 87.1 71.2 106.8  
98 49.5 38.4 57.6

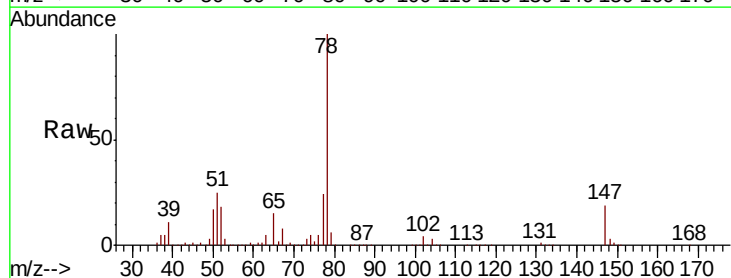


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

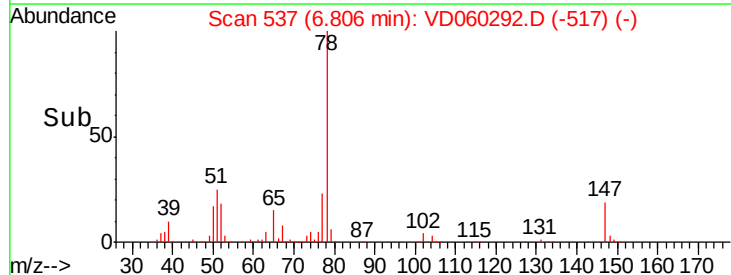
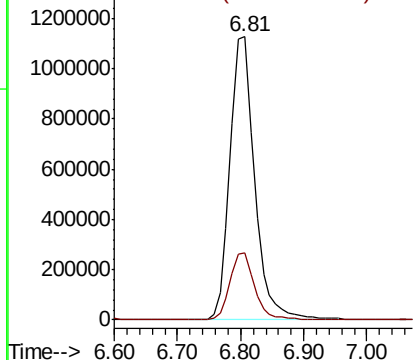


#40  
Benzene  
Concen: 51.529 ug/l  
RT: 6.81 min Scan# 537  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

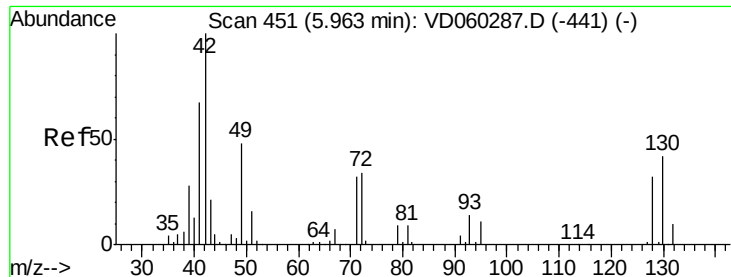
Tgt Ion: 78 Resp: 3059946  
Ion Ratio Lower Upper  
78 100  
77 23.8 18.8 28.2



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







#41

Methacrylonitrile

Concen: 49.854 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

Tot Ion: 41 Resp: 610831

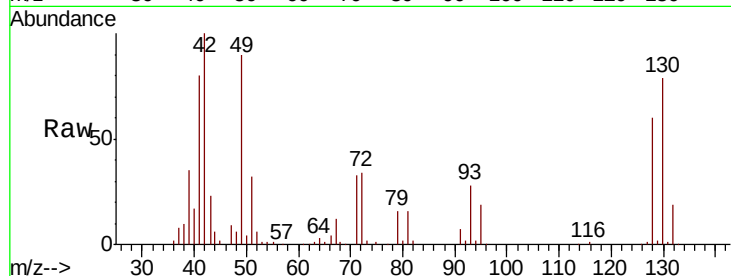
Ion Ratio Lower Upper

41 100

39 44.2 36.2 54.2

67 14.8 11.9 17.9

52 6.9 5.2 7.8

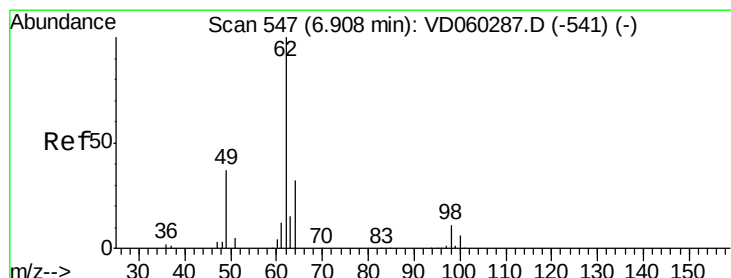
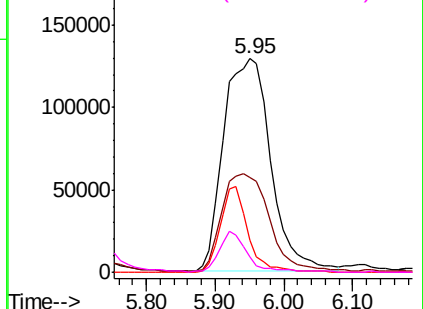
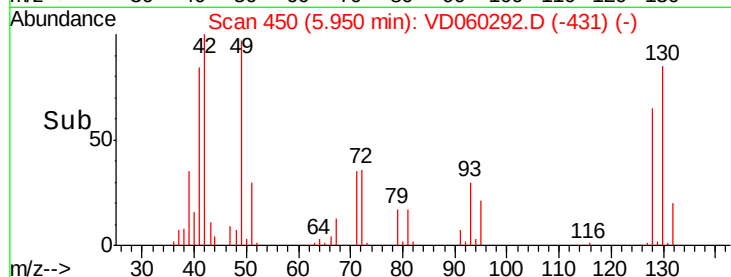


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.699 ug/l

RT: 6.90 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD060292.D

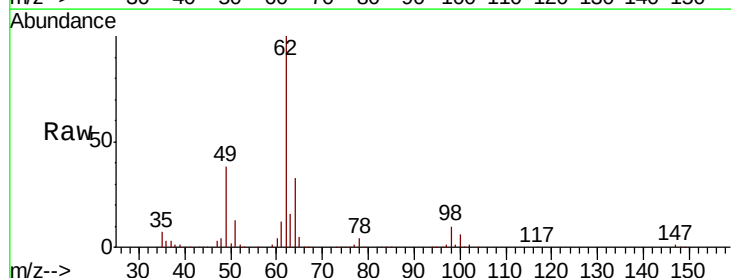
Acq: 7 Nov 2018 10:30

Tgt Ion: 62 Resp: 803574

Ion Ratio Lower Upper

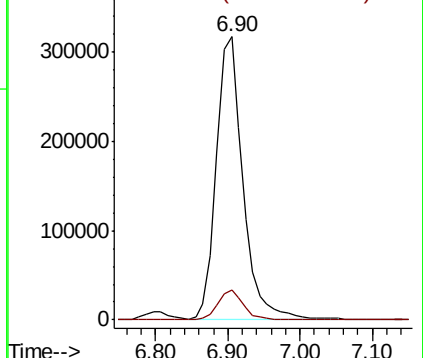
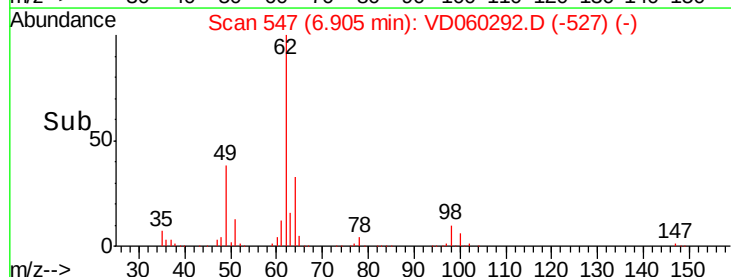
62 100

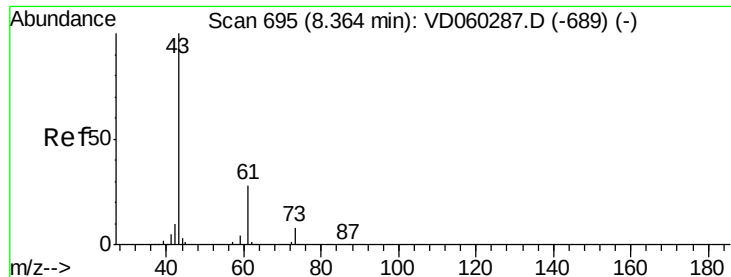
98 10.4 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.929 ug/l

RT: 8.35 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

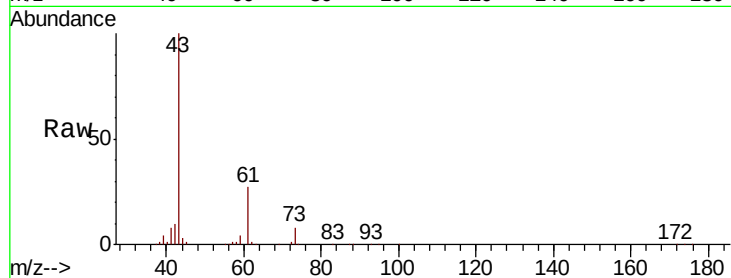
Tot Ion: 43 Resp: 698277

Ion Ratio Lower Upper

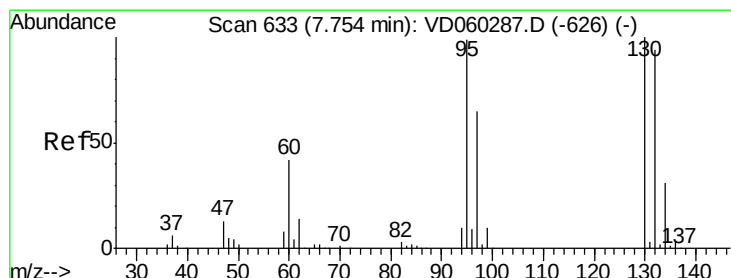
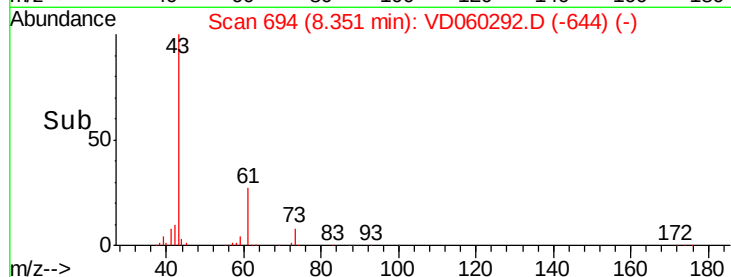
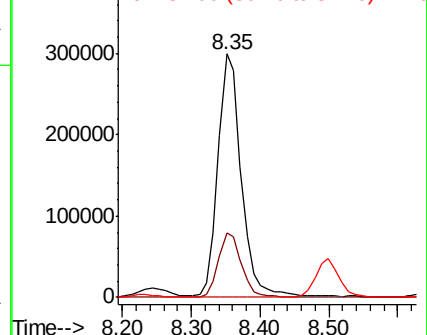
43 100

61 26.5 22.3 33.5

87 0.3 0.2 0.2#



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



#44

Trichloroethene

Concen: 53.856 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060292.D

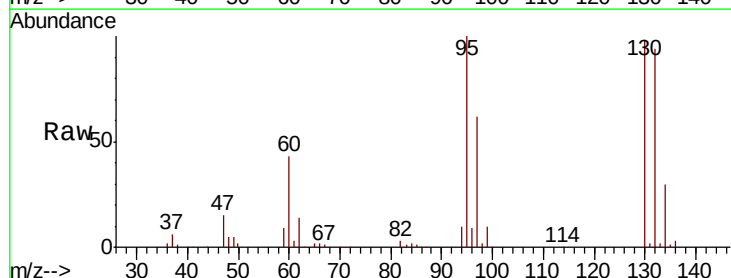
Acq: 7 Nov 2018 10:30

Tgt Ion:130 Resp: 969485

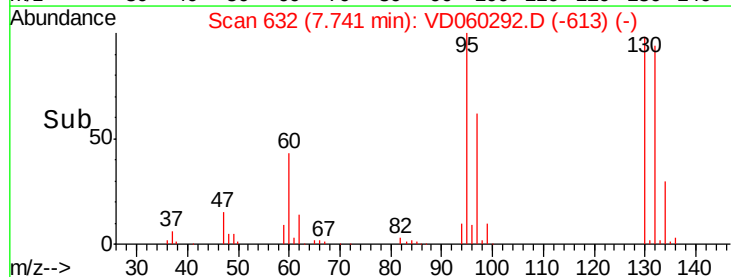
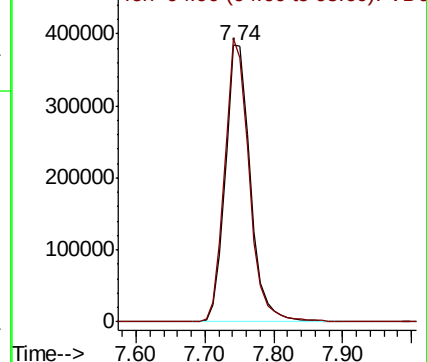
Ion Ratio Lower Upper

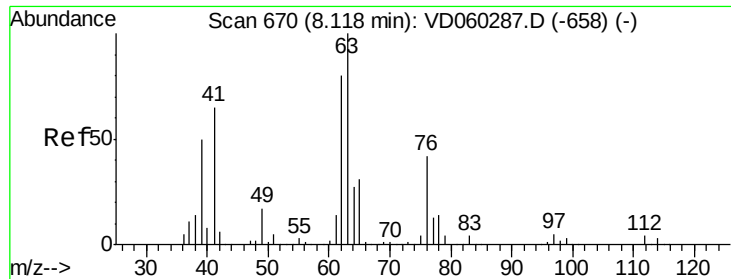
130 100

95 102.4 0.0 200.0



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

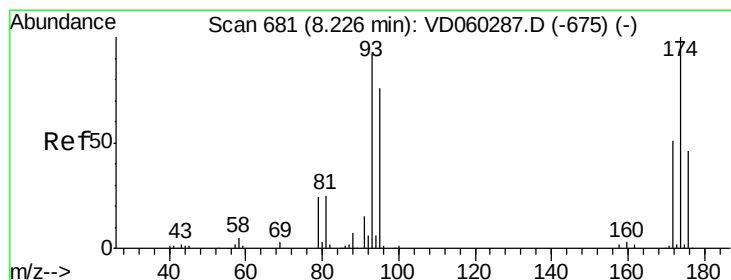
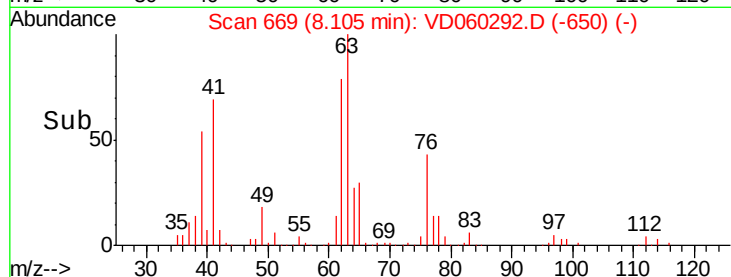
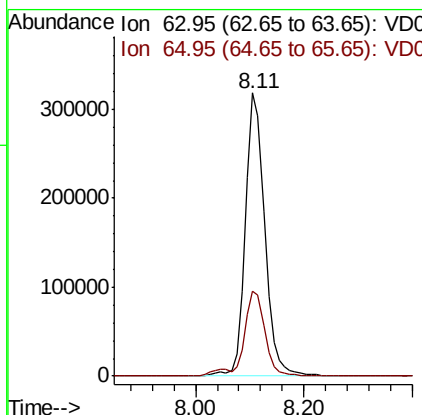
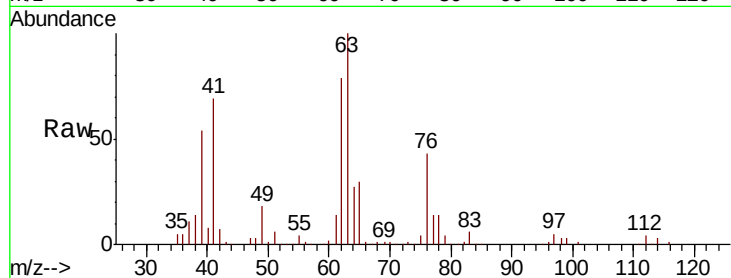




#45  
 1,2-Dichloropropane  
 Concen: 52.984 ug/l  
 RT: 8.11 min Scan# 669  
 Delta R.T. -0.01 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

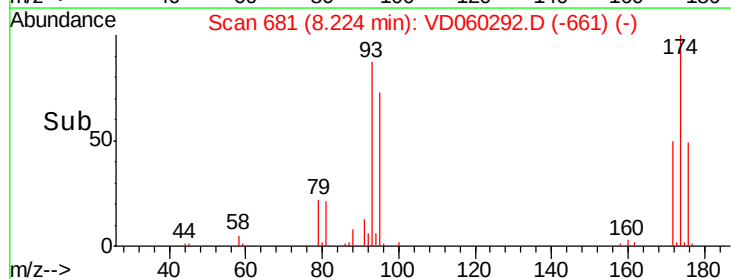
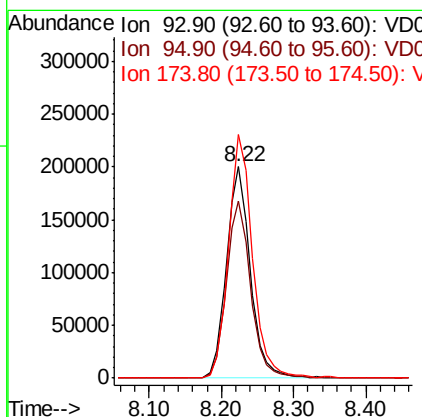
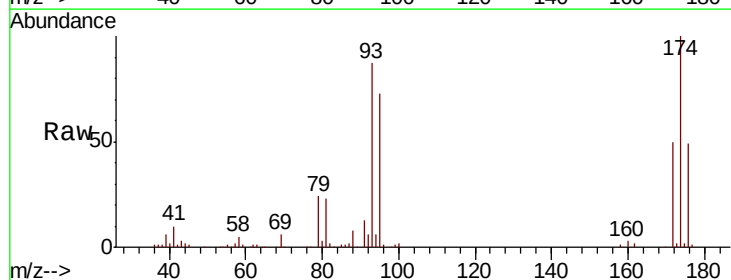
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

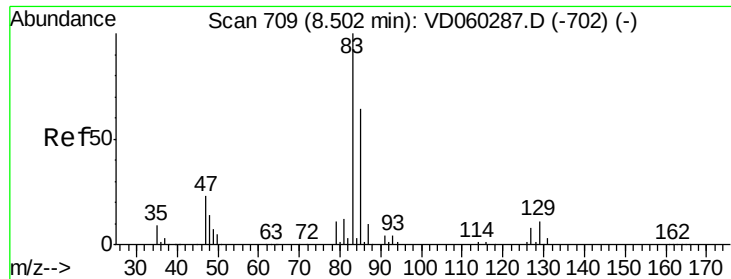
Tot Ion: 63 Resp: 793516  
 Ion Ratio Lower Upper  
 63 100  
 65 30.1 23.4 35.2



#46  
 Dibromomethane  
 Concen: 52.413 ug/l  
 RT: 8.22 min Scan# 681  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Tgt Ion: 93 Resp: 459743  
 Ion Ratio Lower Upper  
 93 100  
 95 84.0 66.4 99.6  
 174 115.3 87.8 131.8





#47

Bromodichloromethane

Concen: 52.855 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

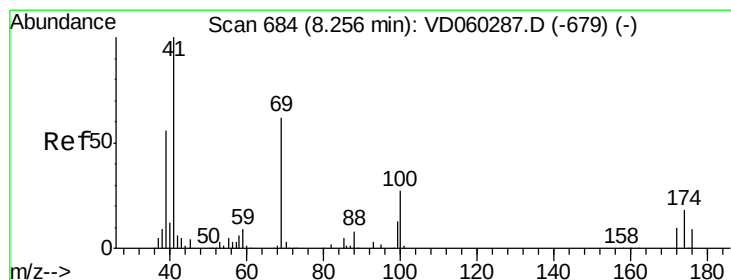
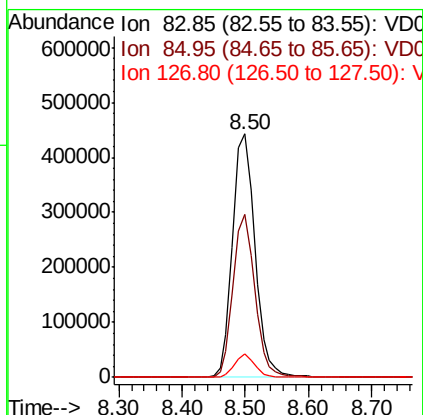
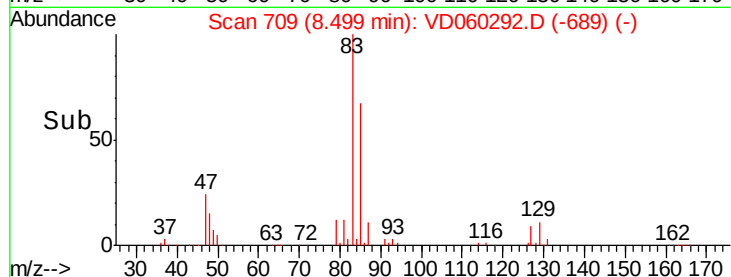
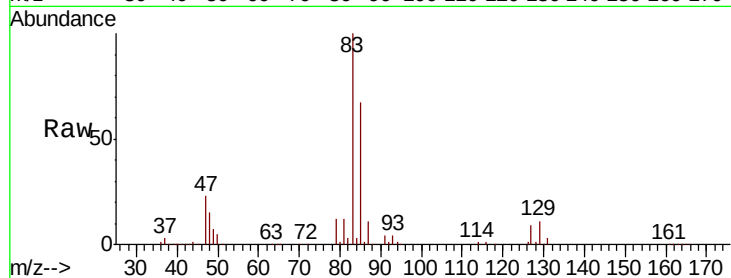
Tot Ion: 83 Resp: 1092509

Ion Ratio Lower Upper

83 100

85 66.9 51.0 76.6

127 9.5 6.2 9.4#



#48

Methyl methacrylate

Concen: 53.060 ug/l

RT: 8.25 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

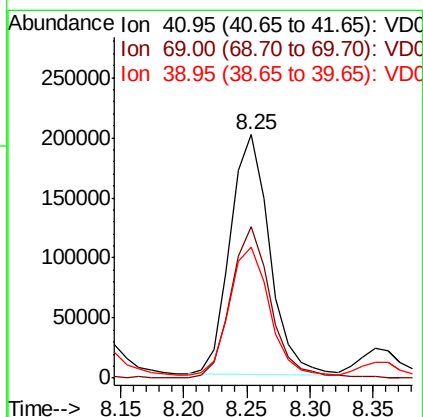
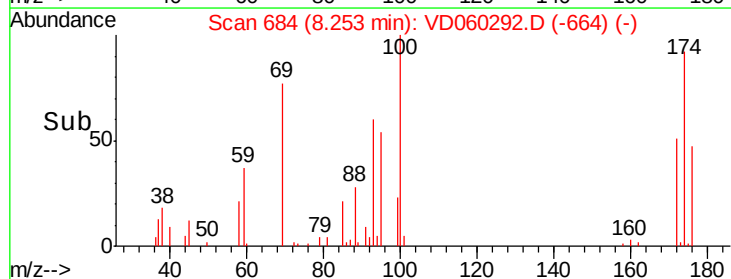
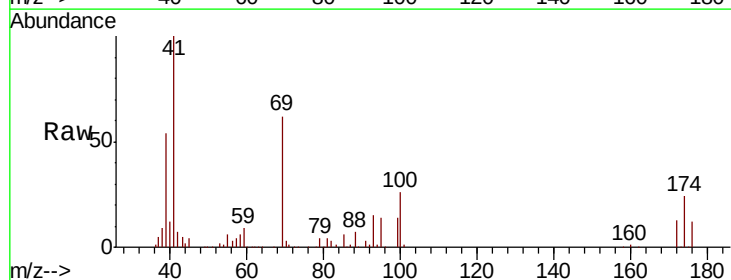
Tgt Ion: 41 Resp: 433391

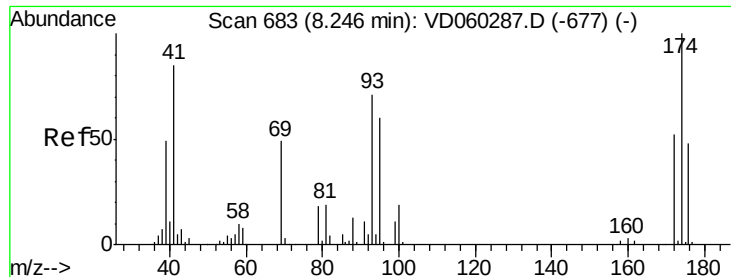
Ion Ratio Lower Upper

41 100

69 62.3 47.0 70.4

39 53.9 46.2 69.4

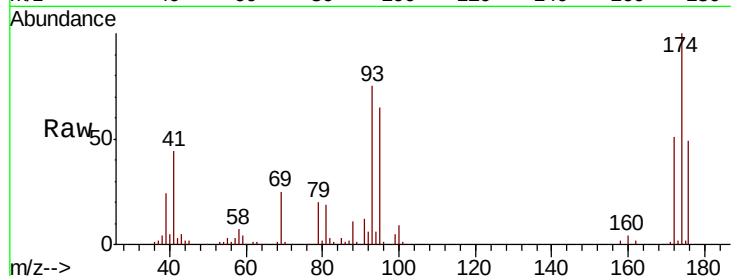




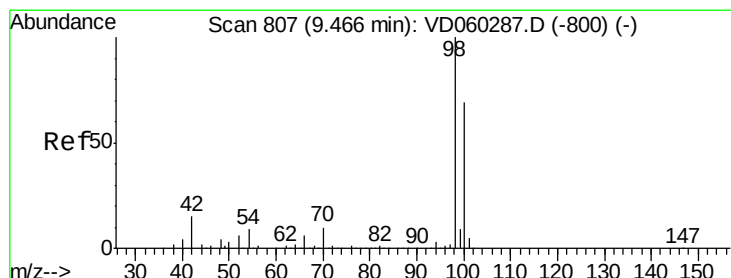
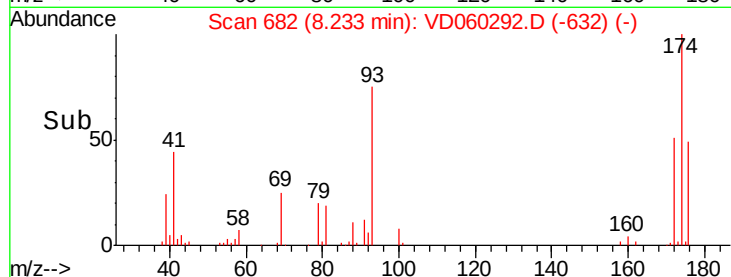
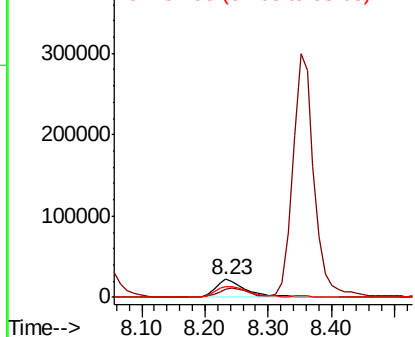
#49  
1,4-Dioxane  
Concen: 1090.920 ug/l  
RT: 8.23 min Scan# 682  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

Tot Ion: 88 Resp: 77097  
Ion Ratio Lower Upper  
88 100  
43 48.3 39.7 59.5  
58 60.1 60.2 90.2#

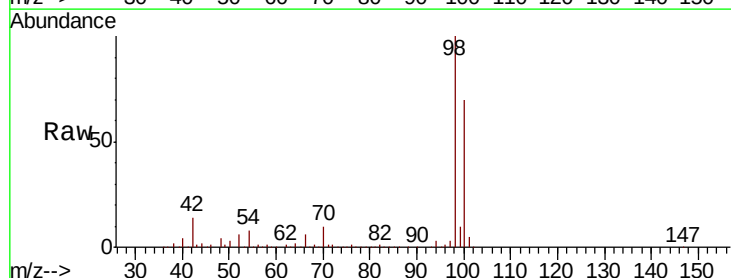


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

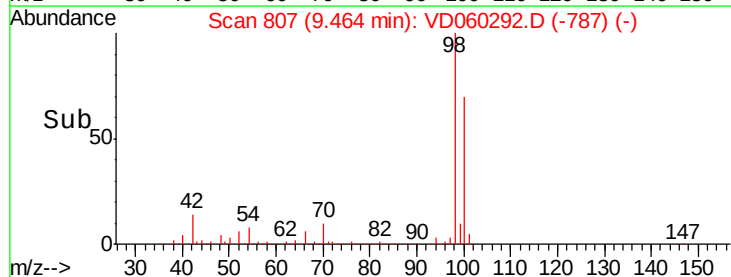
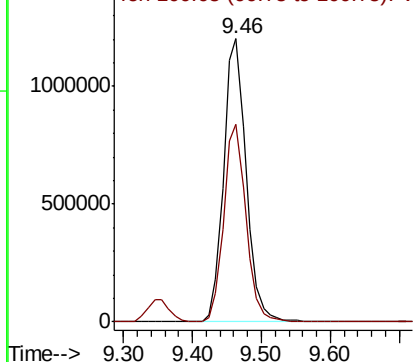


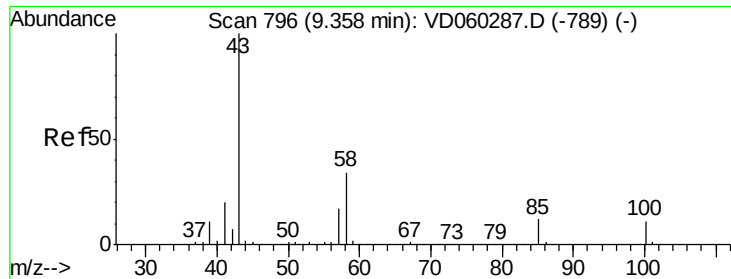
#50  
Toluene-d8  
Concen: 1090.920 ug/l  
RT: 9.46 min Scan# 807  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion: 98 Resp: 2719699  
Ion Ratio Lower Upper  
98 100  
100 70.0 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 255.057 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

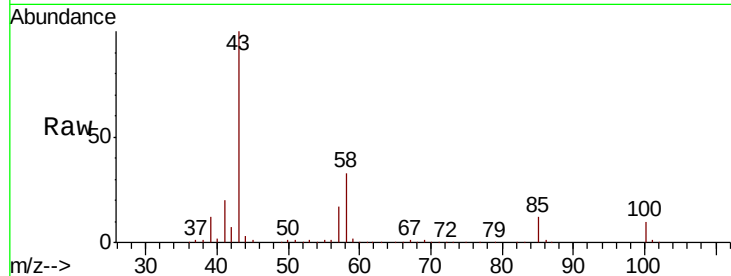
VSTD05006

Tot Ion: 43 Resp: 2232277

Ion Ratio Lower Upper

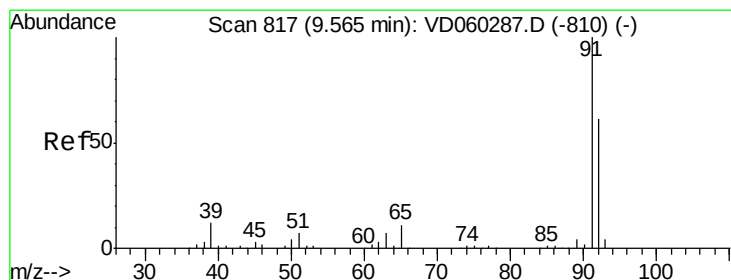
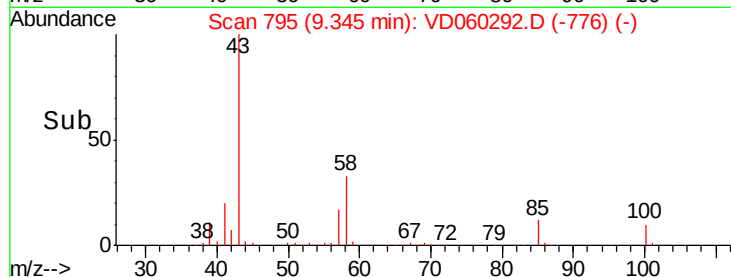
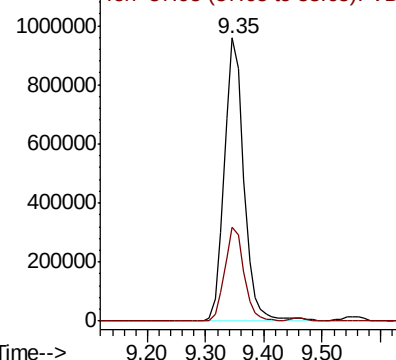
43 100

58 33.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.105 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060292.D

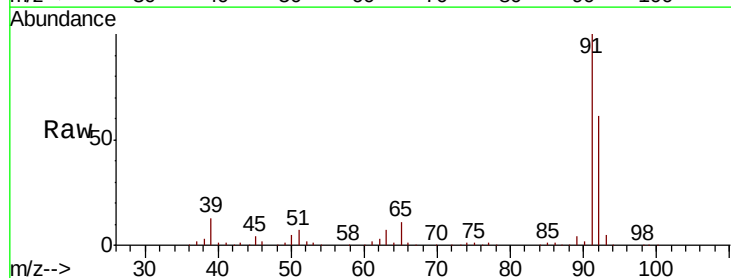
Acq: 7 Nov 2018 10:30

Tgt Ion: 92 Resp: 1976496

Ion Ratio Lower Upper

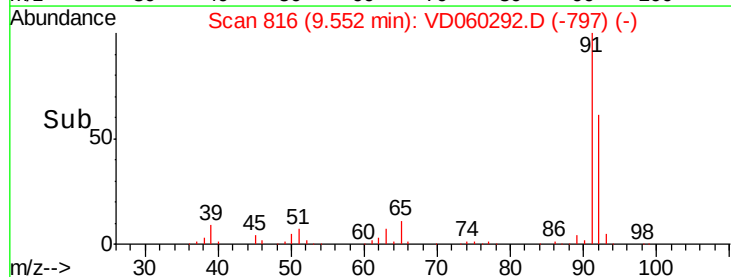
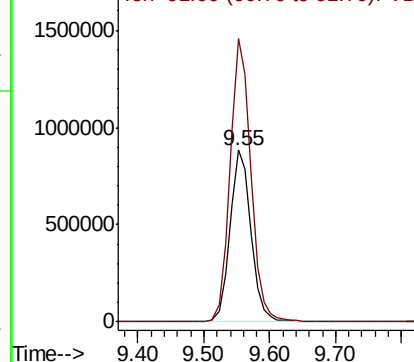
92 100

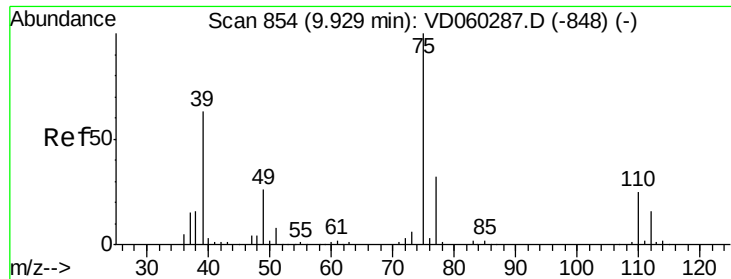
91 164.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

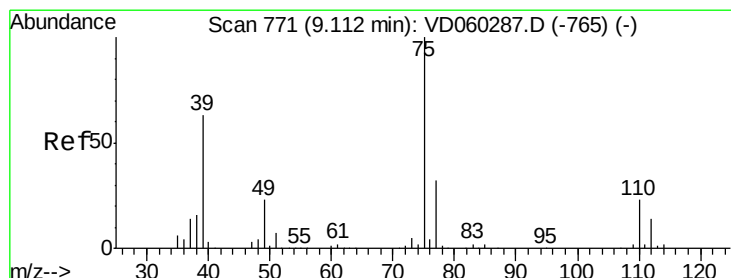
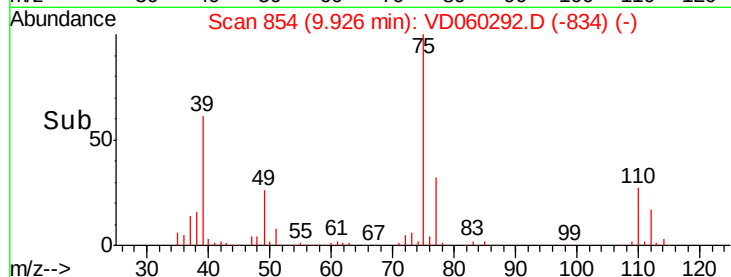
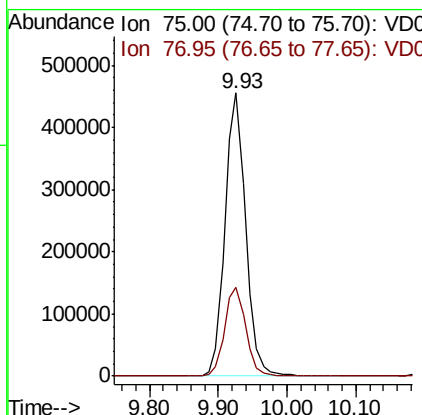
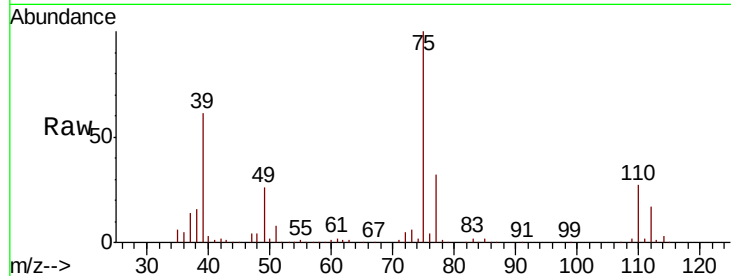




#53  
 t-1,3-Dichloropropene  
 Concen: 53.887 ug/l  
 RT: 9.93 min Scan# 854  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

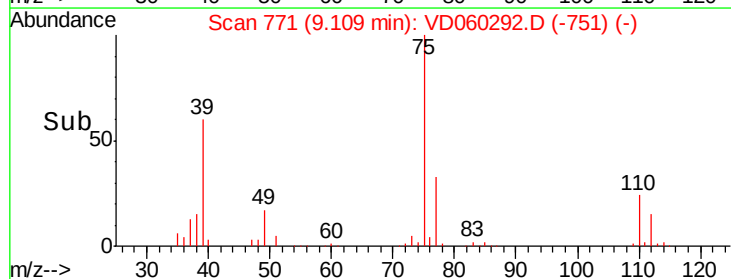
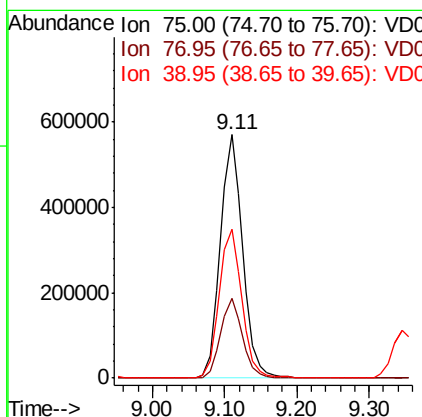
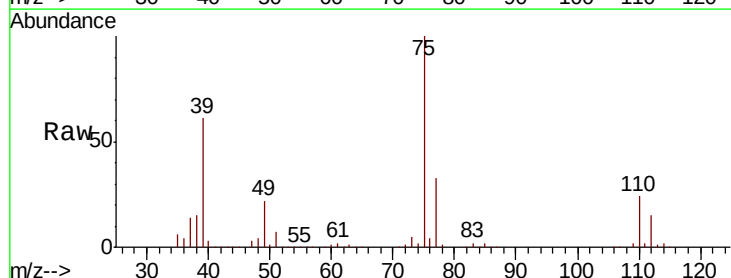
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

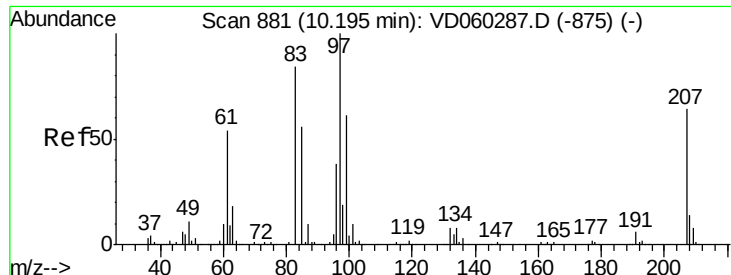
Tot Ion: 75 Resp: 941112  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.2 37.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 54.427 ug/l  
 RT: 9.11 min Scan# 771  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Tgt Ion: 75 Resp: 1219167  
 Ion Ratio Lower Upper  
 75 100  
 77 32.9 26.3 39.5  
 39 61.3 50.8 76.2

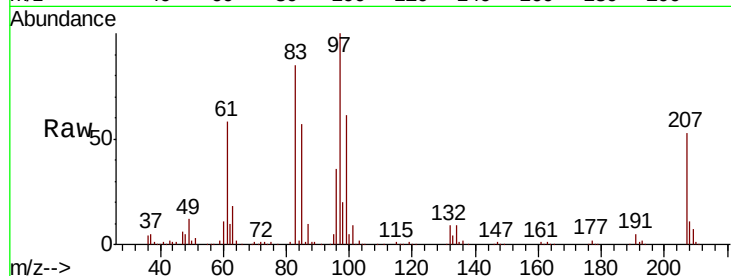




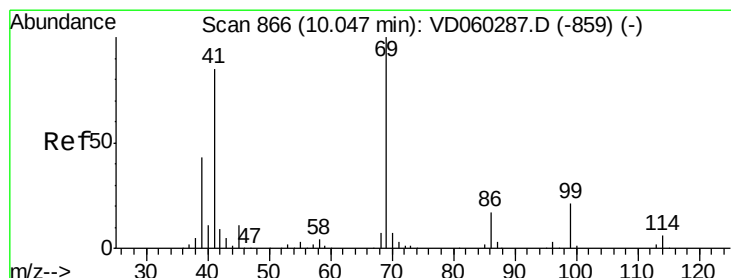
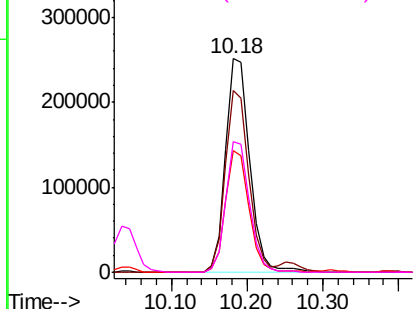
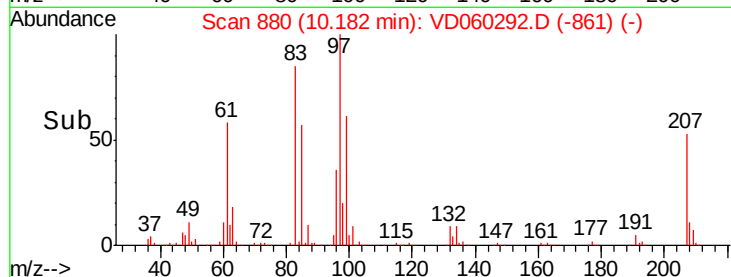
#55  
 1,1,2-Trichloroethane  
 Concen: 50.511 ug/l  
 RT: 10.18 min Scan# 880  
 Delta R.T. -0.01 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

Tot Ion: 97 Resp: 555342  
 Ion Ratio Lower Upper  
 97 100  
 83 85.3 68.4 102.6  
 85 57.0 46.8 70.2  
 99 61.0 49.5 74.3

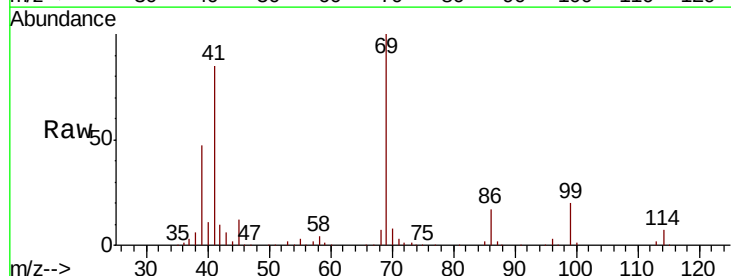


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

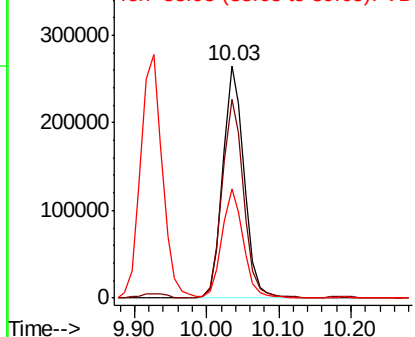
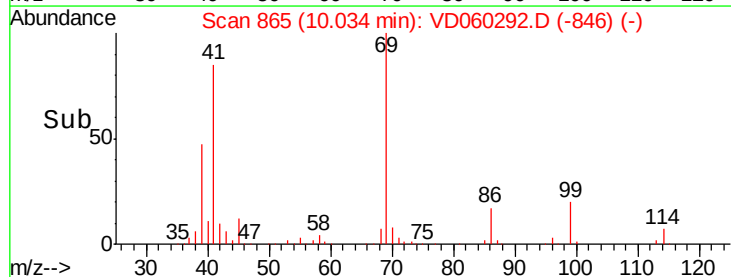


#56  
 Ethyl methacrylate  
 Concen: 53.376 ug/l  
 RT: 10.03 min Scan# 865  
 Delta R.T. -0.01 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

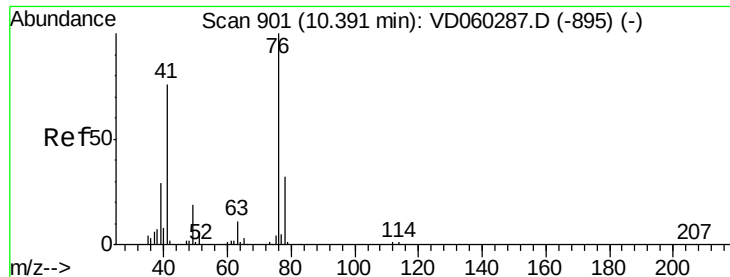
Tgt Ion: 69 Resp: 539564  
 Ion Ratio Lower Upper  
 69 100  
 41 85.4 69.0 103.4  
 39 46.9 36.6 54.8



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



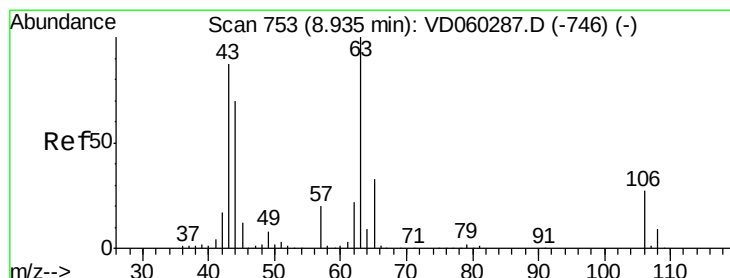
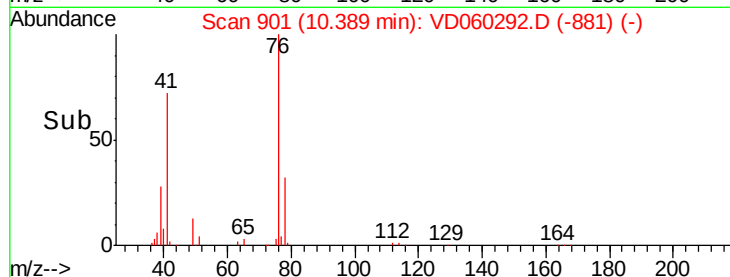
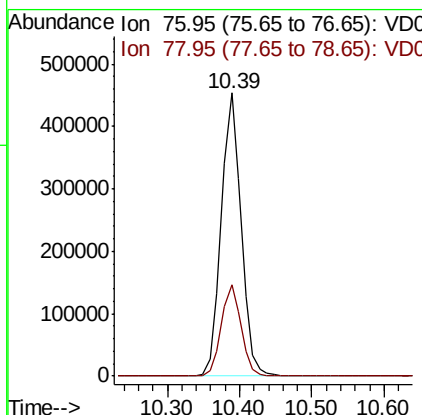
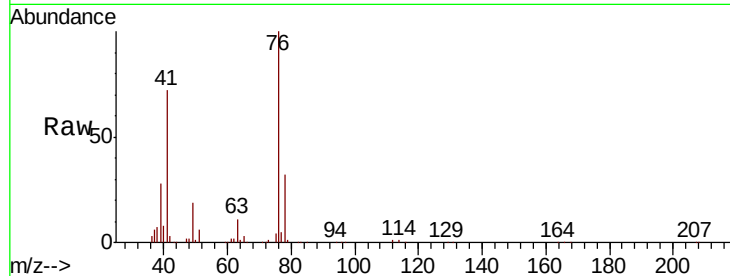




#57  
 1,3-Dichloropropane  
 Concen: 51.571 ug/l  
 RT: 10.39 min Scan# 901  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

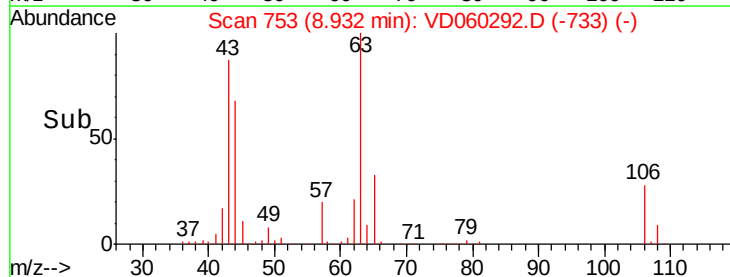
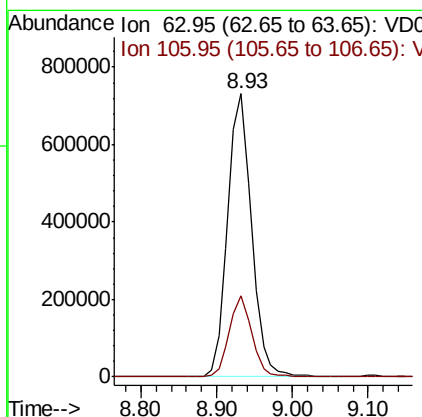
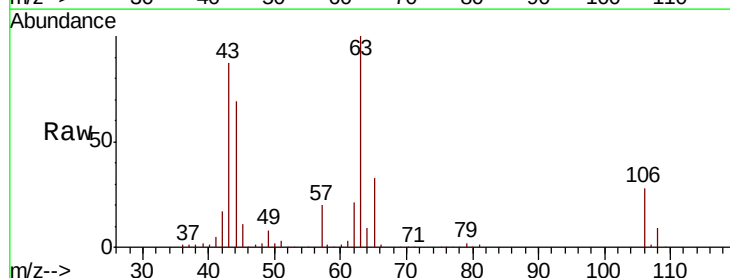
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

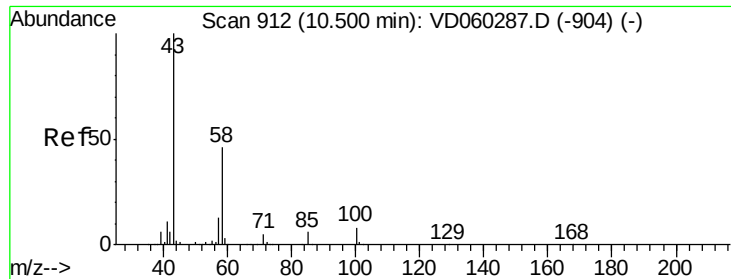
Tot Ion: 76 Resp: 863965  
 Ion Ratio Lower Upper  
 76 100  
 78 32.3 25.9 38.9



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 261.879 ug/l  
 RT: 8.93 min Scan# 753  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Tgt Ion: 63 Resp: 1600683  
 Ion Ratio Lower Upper  
 63 100  
 106 28.5 21.5 32.3

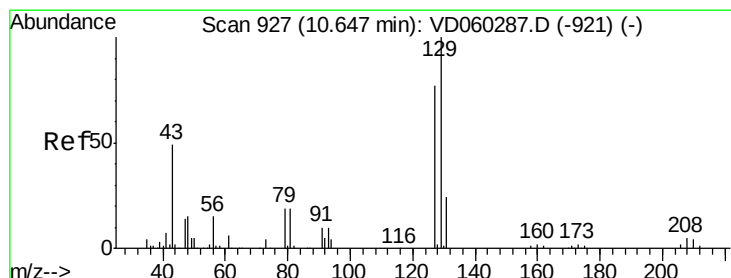
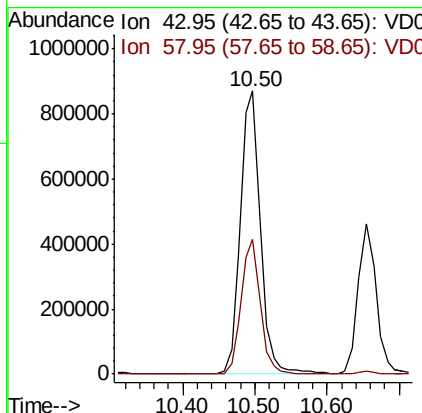
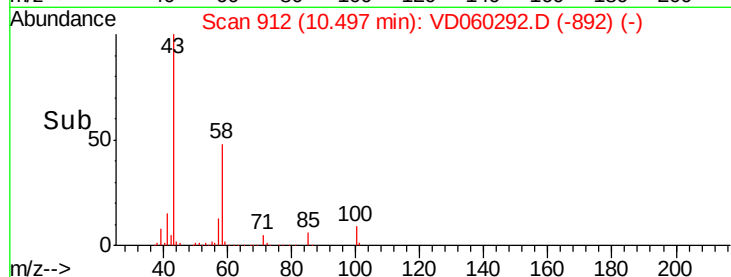
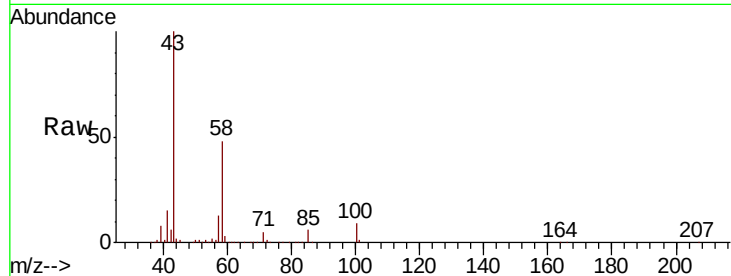




#59  
2-Hexanone  
Concen: 271.784 ug/l  
RT: 10.50 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

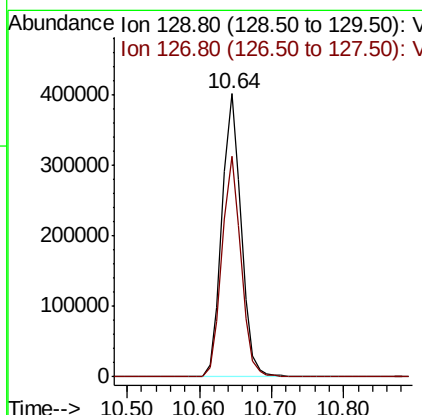
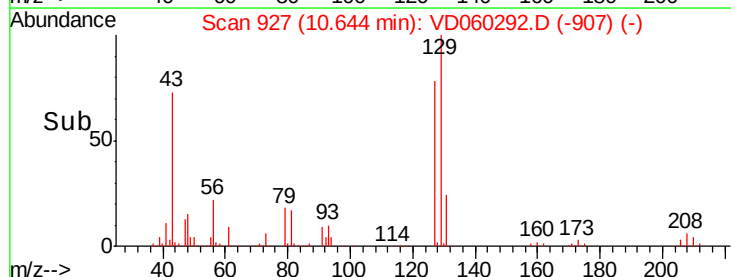
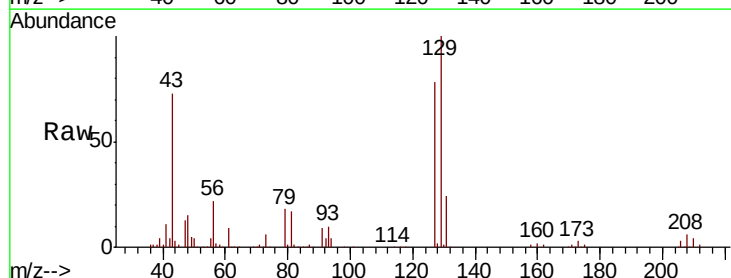
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

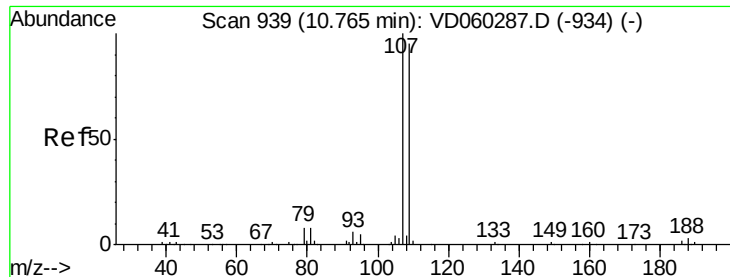
Tot Ion: 43 Resp: 1695368  
Ion Ratio Lower Upper  
43 100  
58 47.7 22.9 68.5



#60  
Dibromochloromethane  
Concen: 55.342 ug/l  
RT: 10.64 min Scan# 927  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion: 129 Resp: 739635  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.878 ug/l

RT: 10.76 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

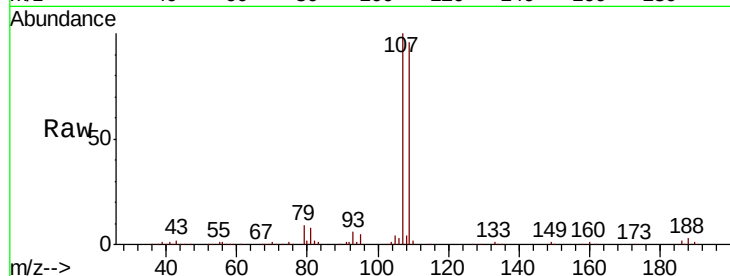
VSTD05006

Tot Ion:107 Resp: 582498

Ion Ratio Lower Upper

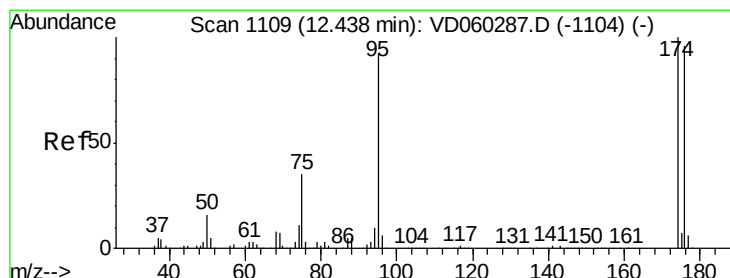
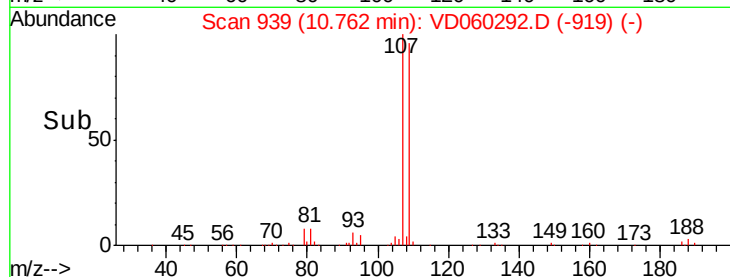
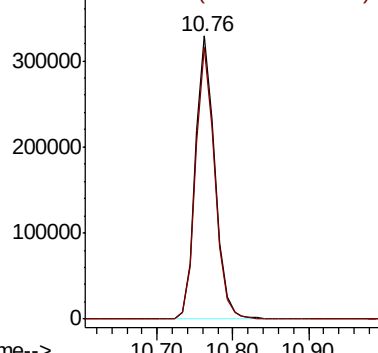
107 100

109 96.0 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 52.878 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

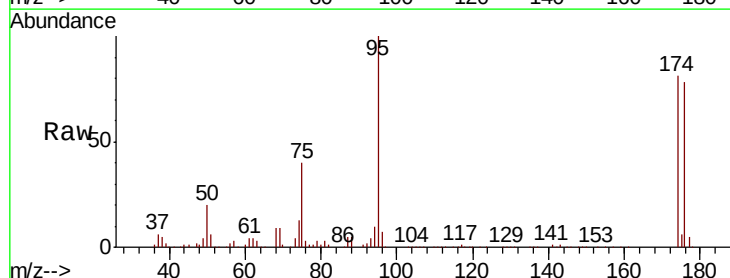
Tgt Ion: 95 Resp: 975749

Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.8

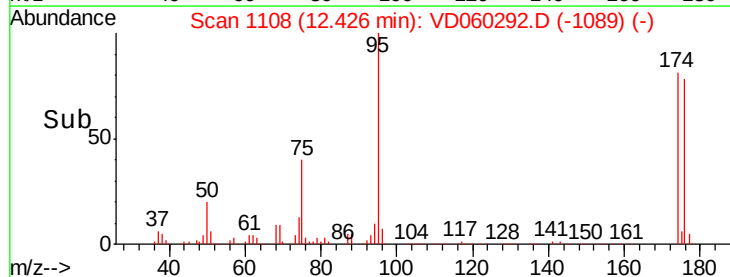
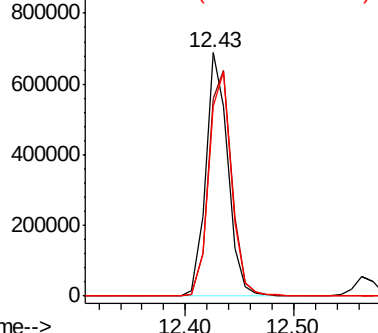
176 78.2 0.0 154.6

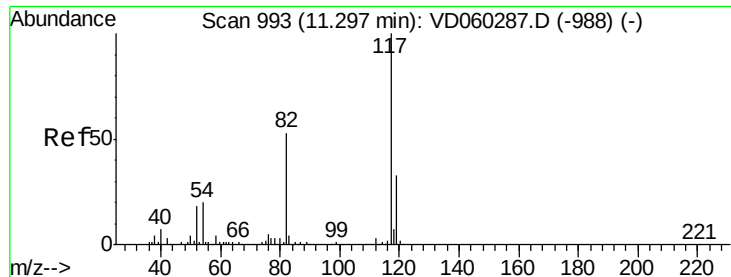


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

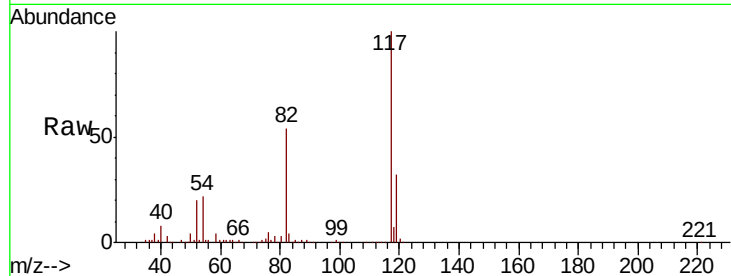




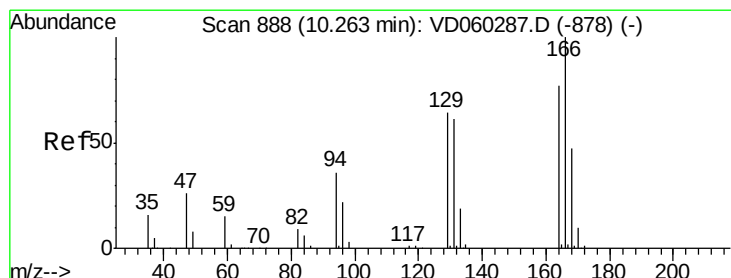
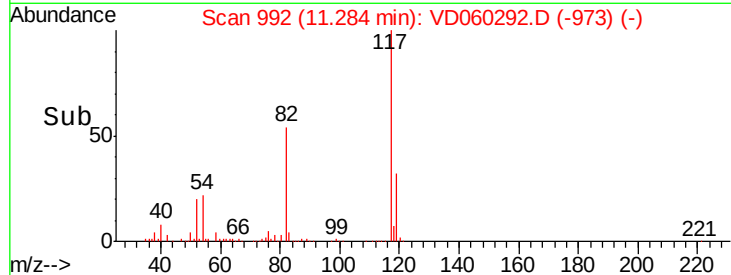
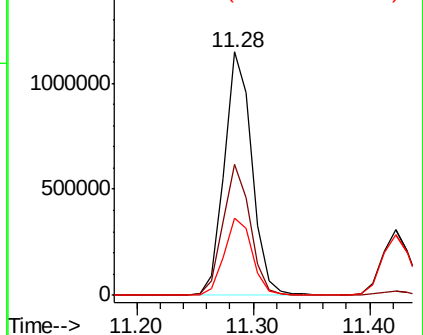
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.28 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

Tot Ion:117 Resp: 1883337  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.7 65.5  
119 31.7 26.1 39.1

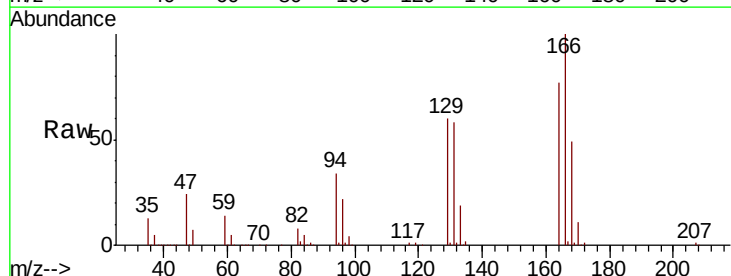


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

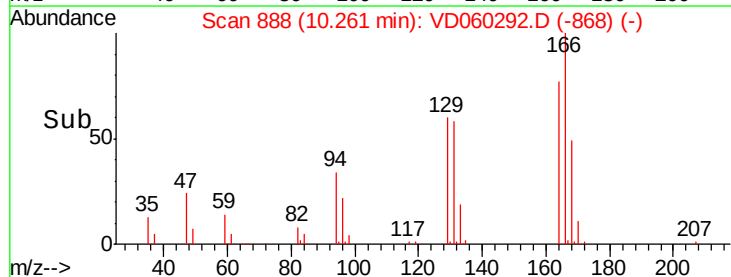
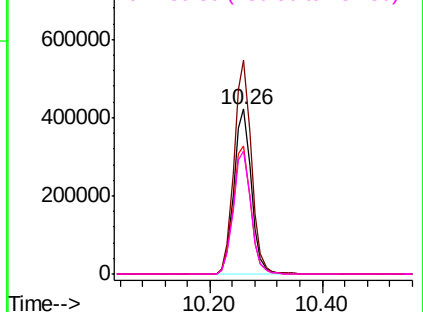


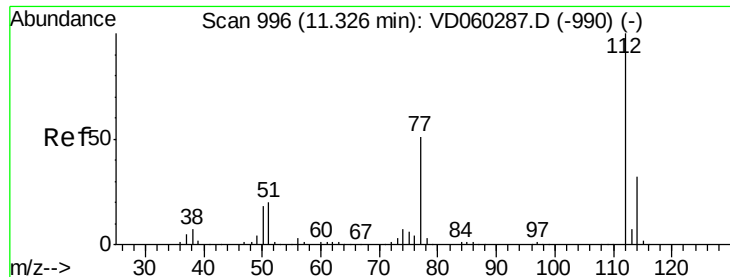
#64  
Tetrachloroethene  
Concen: 53.803 ug/l  
RT: 10.26 min Scan# 888  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion:164 Resp: 904604  
Ion Ratio Lower Upper  
164 100  
166 129.4 103.7 155.5  
129 77.9 65.6 98.4  
131 74.5 64.4 96.6



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





#65

Chlorobenzene

Concen: 52.214 ug/l

RT: 11.31 min Scan# 995

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

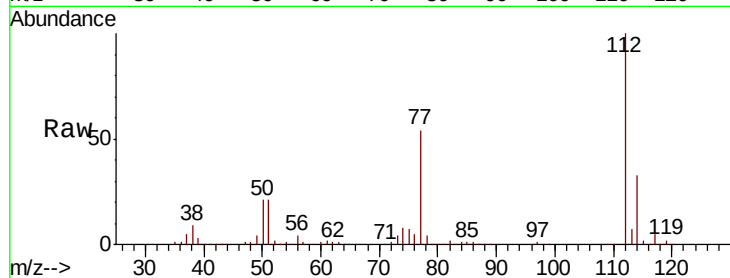
VSTD05006

Tot Ion:112 Resp: 2130686

Ion Ratio Lower Upper

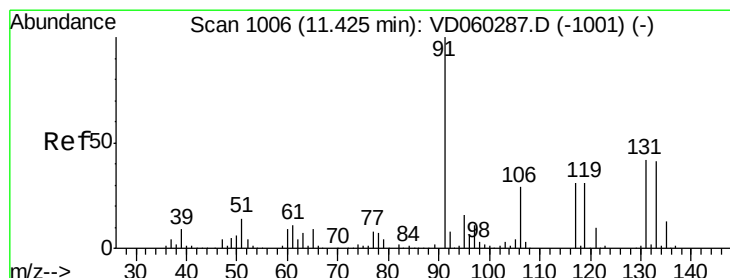
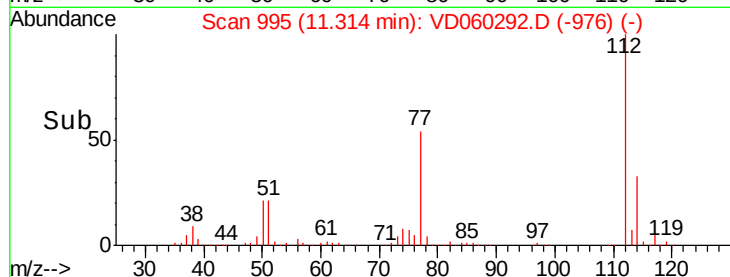
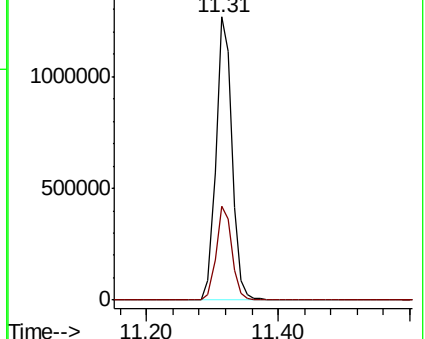
112 100

114 33.0 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.122 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

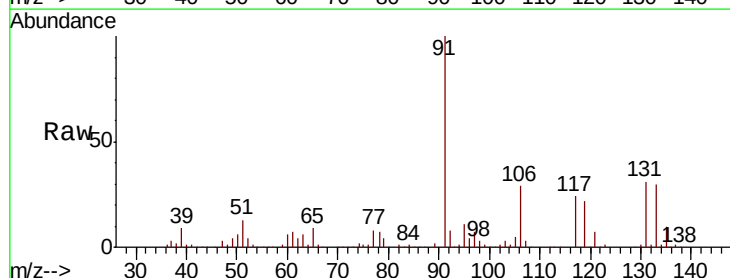
Tgt Ion:131 Resp: 682562

Ion Ratio Lower Upper

131 100

133 96.0 50.0 150.0

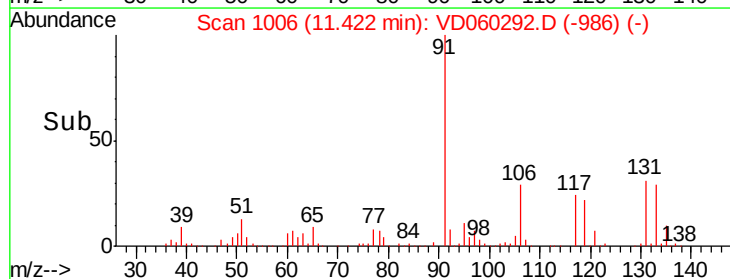
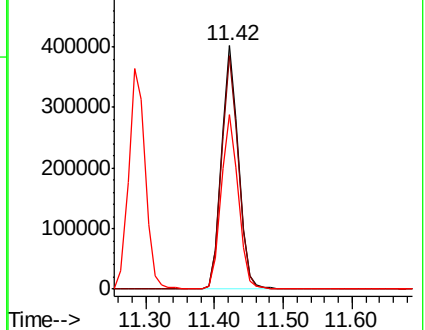
119 71.6 37.0 111.1

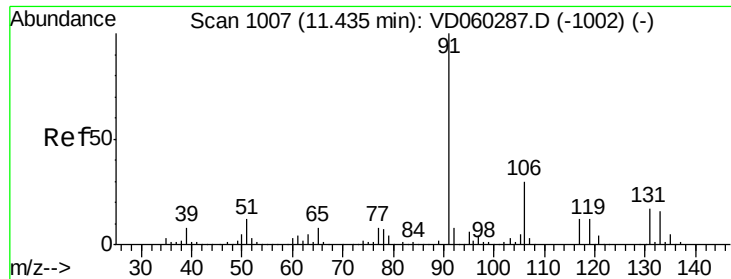


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

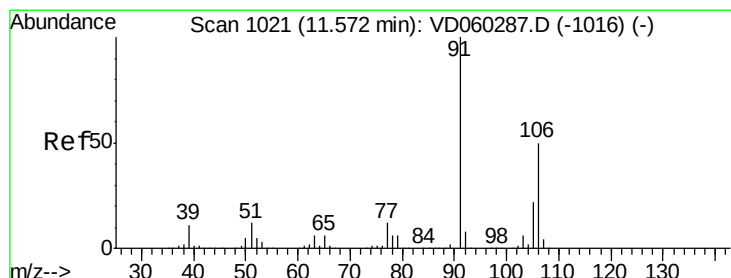
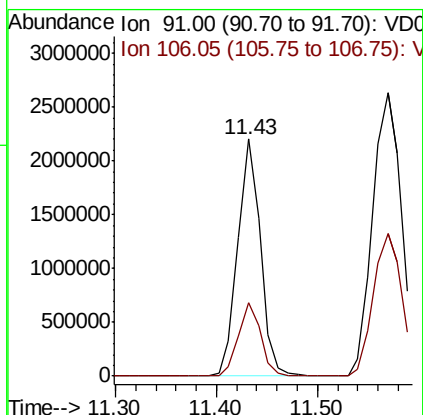
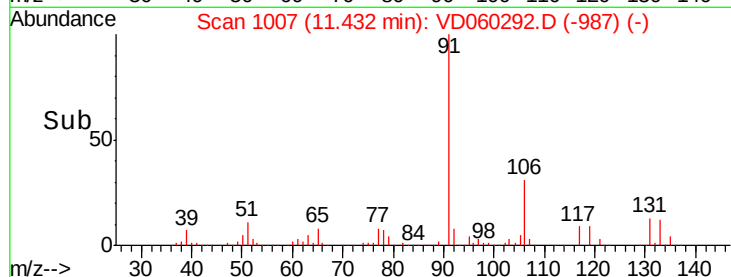
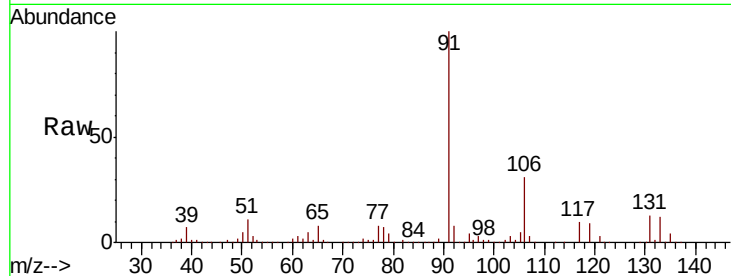




#67  
Ethyl Benzene  
Concen: 49.257 ug/l  
RT: 11.43 min Scan# 1007  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

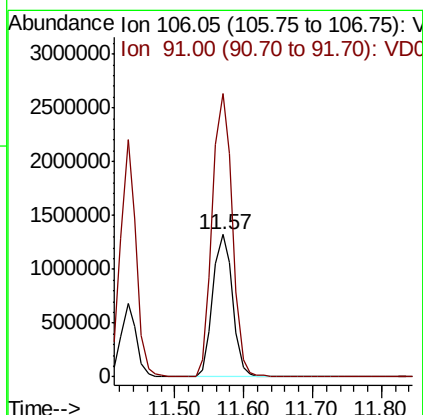
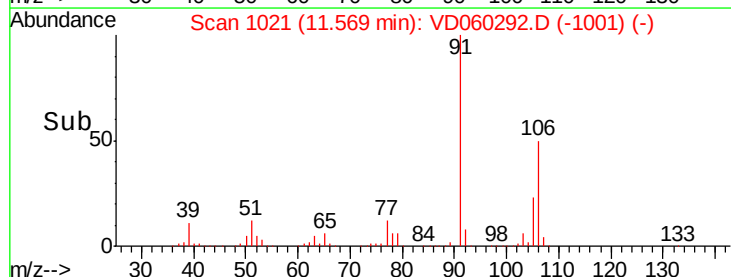
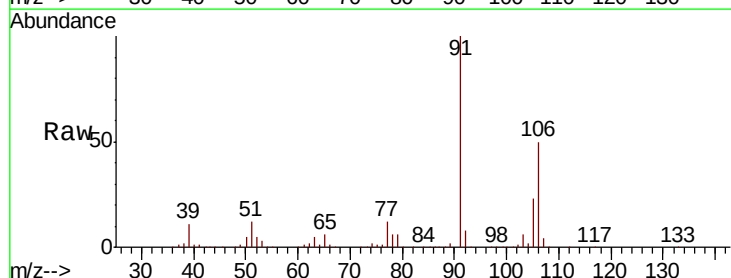
Instrument :  
MSVOA\_D  
ClientSampleID :  
VSTD05006

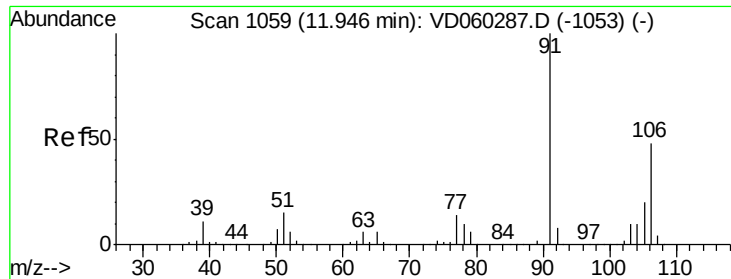
Tot Ion: 91 Resp: 3438403  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.6 36.8



#68  
m/p-Xylenes  
Concen: 102.397 ug/l  
RT: 11.57 min Scan# 1021  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion: 106 Resp: 2636739  
Ion Ratio Lower Upper  
106 100  
91 198.8 159.4 239.2

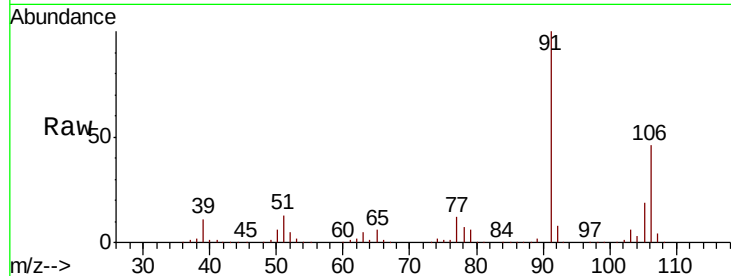




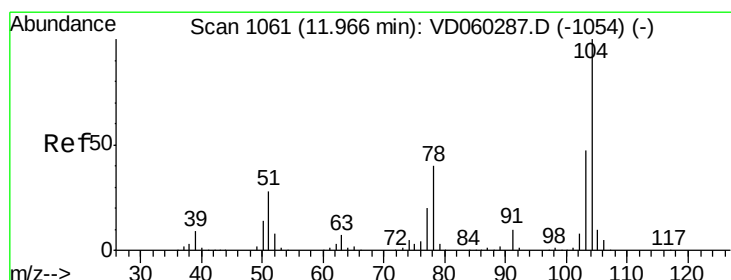
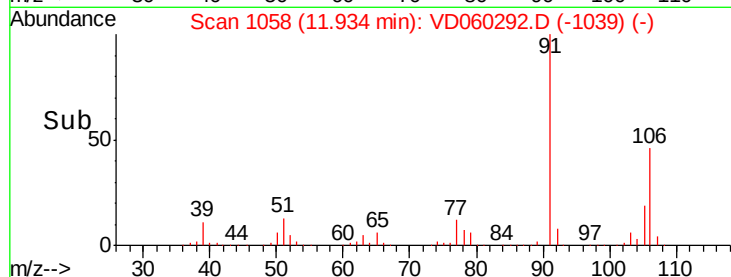
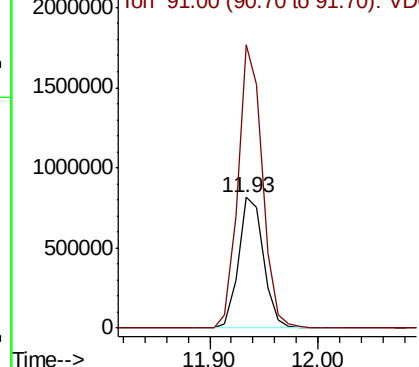
#69  
o-Xylene  
Concen: 52.505 ug/l  
RT: 11.93 min Scan# 1058  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

Tot Ion:106 Resp: 1306172  
Ion Ratio Lower Upper  
106 100  
91 216.3 109.2 327.6

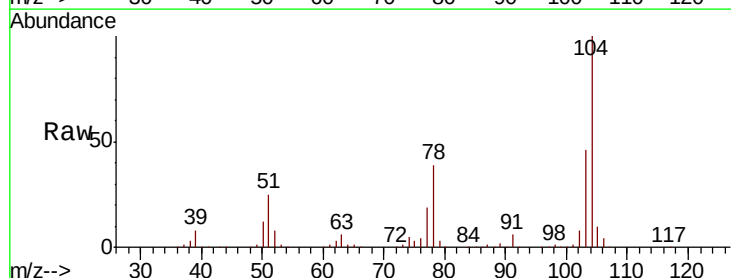


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

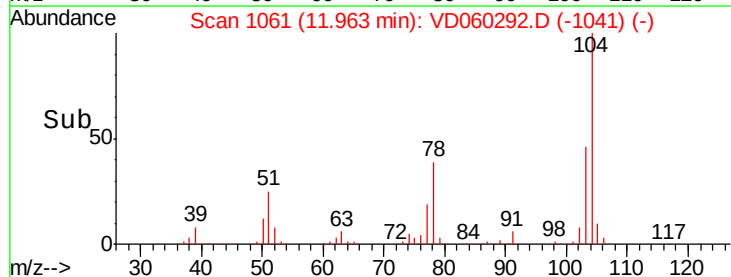
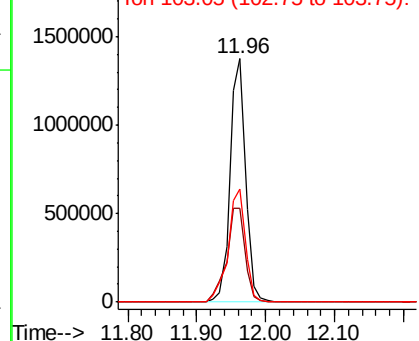


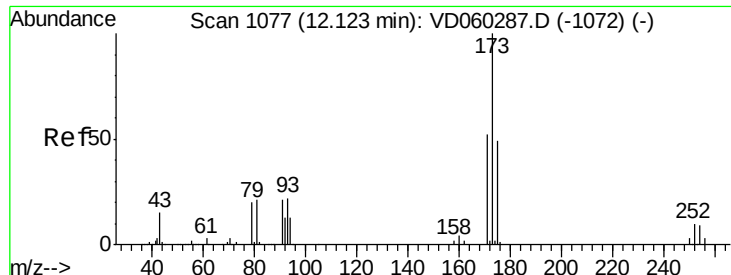
#70  
Styrene  
Concen: 52.982 ug/l  
RT: 11.96 min Scan# 1061  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion:104 Resp: 2130078  
Ion Ratio Lower Upper  
104 100  
78 38.8 31.6 47.4  
103 46.5 37.0 55.6



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





#71

Bromoform

Concen: 54.482 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

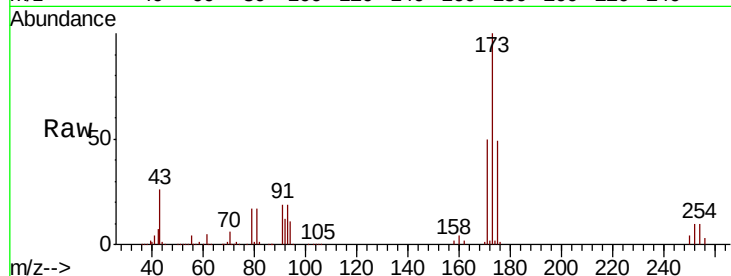
Tot Ion:173 Resp: 488806

Ion Ratio Lower Upper

173 100

175 48.5 24.3 73.0

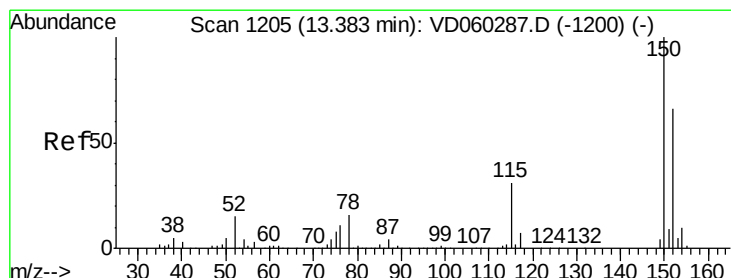
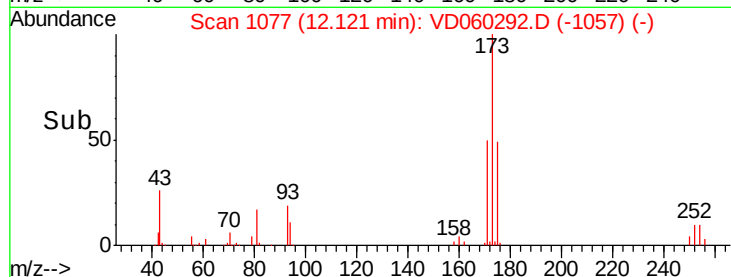
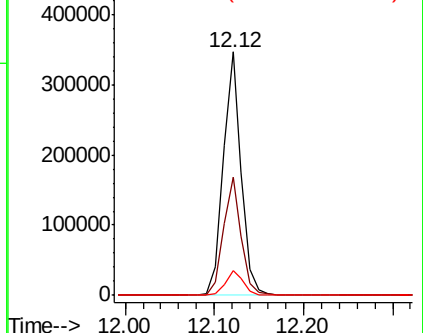
254 10.3 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

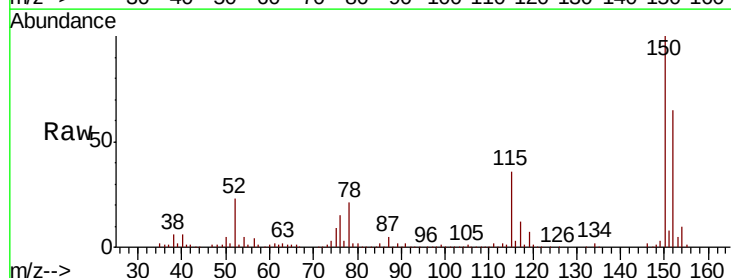
Tgt Ion:152 Resp: 968563

Ion Ratio Lower Upper

152 100

115 55.4 24.1 72.3

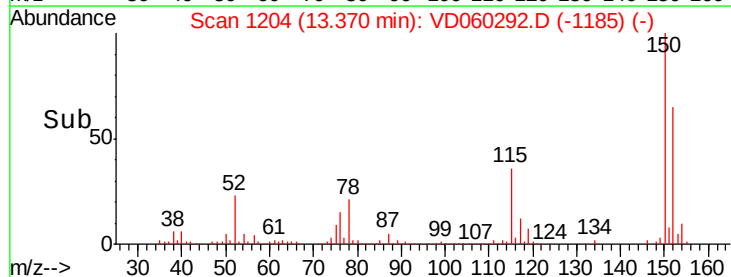
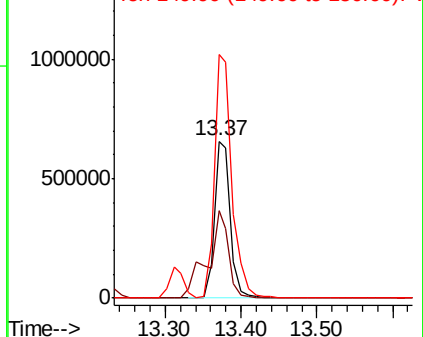
150 155.0 0.0 310.6



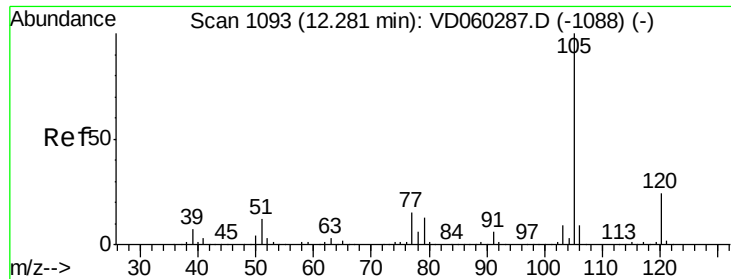
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 50.468 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

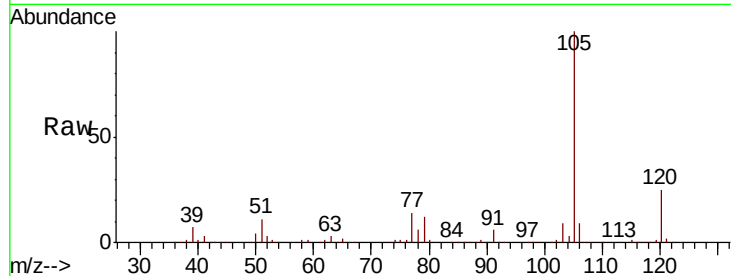
VSTD05006

Tot Ion:105 Resp: 3561354

Ion Ratio Lower Upper

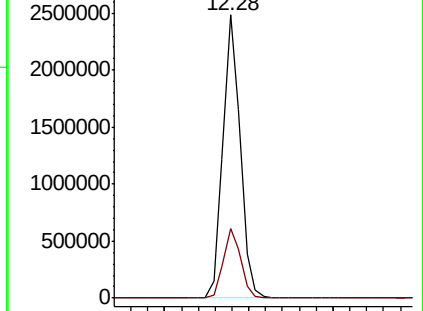
105 100

120 24.8 12.1 36.3

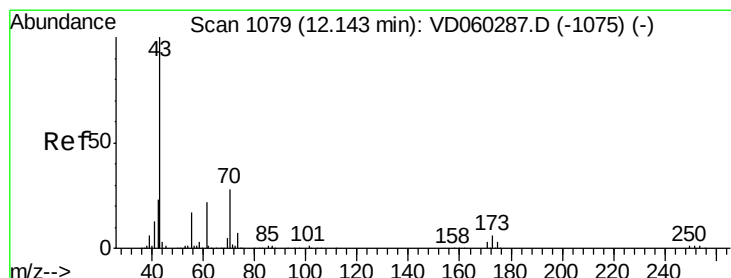
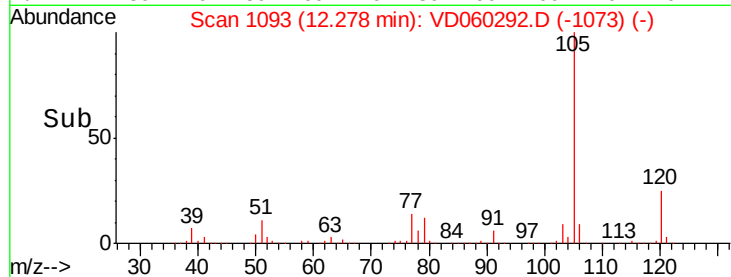


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 49.774 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Tgt Ion: 43 Resp: 900510

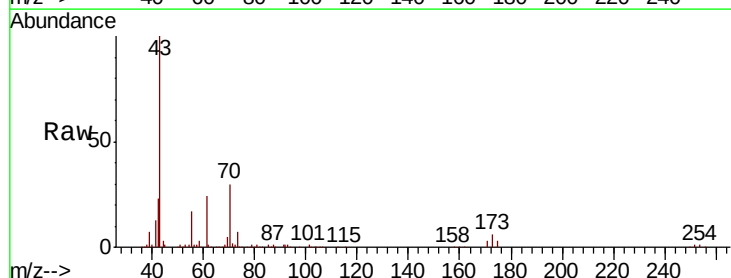
Ion Ratio Lower Upper

43 100

70 29.5 23.0 34.4

55 17.3 14.2 21.4

61 24.2 17.8 26.8

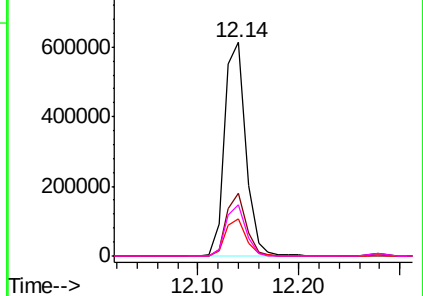


Abundance Ion 42.95 (42.65 to 43.65): VDC

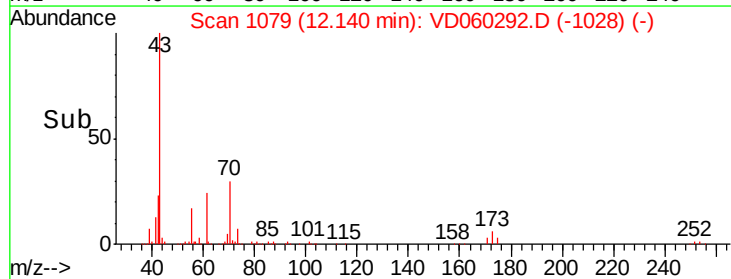
Ion 70.00 (69.70 to 70.70): VDC

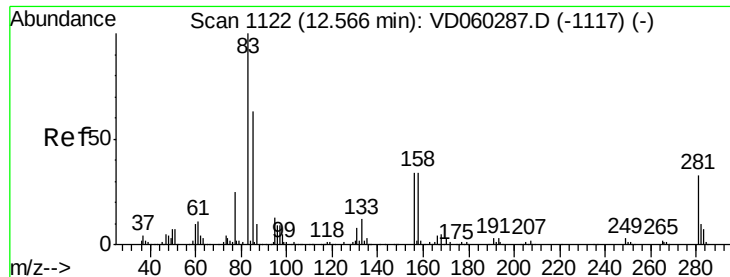
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.153 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

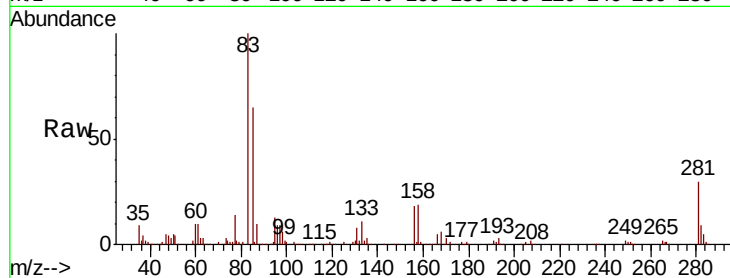
Tot Ion: 83 Resp: 567269

Ion Ratio Lower Upper

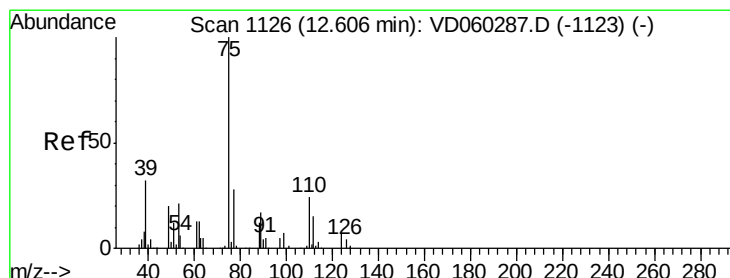
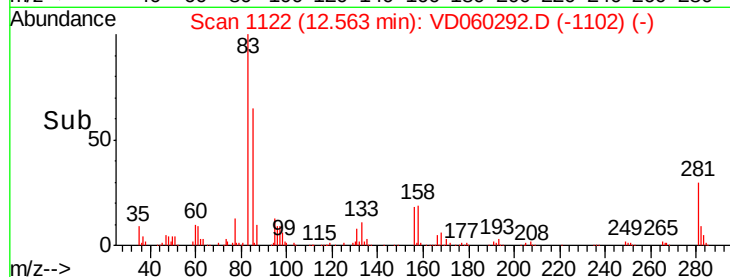
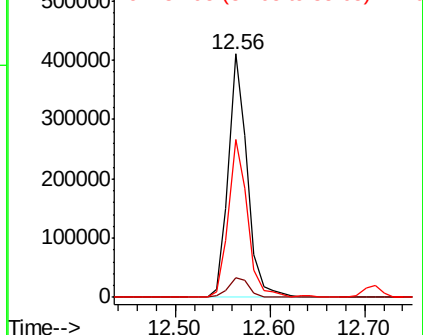
83 100

131 8.2 3.9 11.5

85 64.8 32.0 96.0



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: 49.845 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060292.D

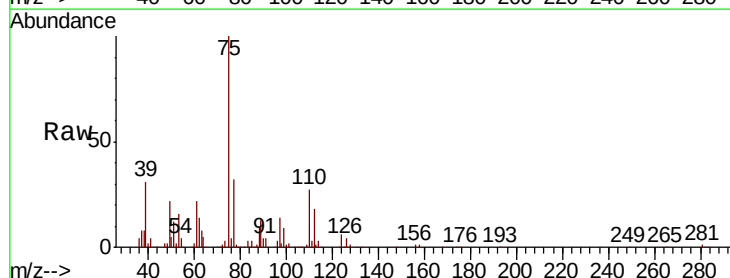
Acq: 7 Nov 2018 10:30

Tgt Ion: 75 Resp: 577520

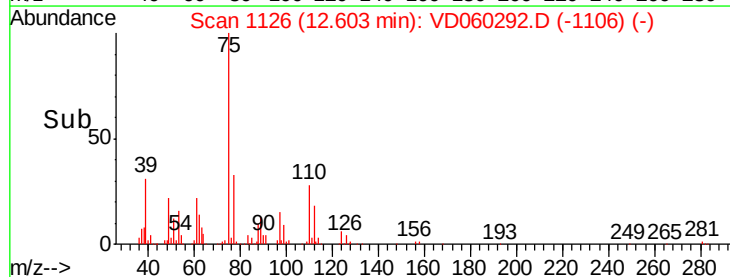
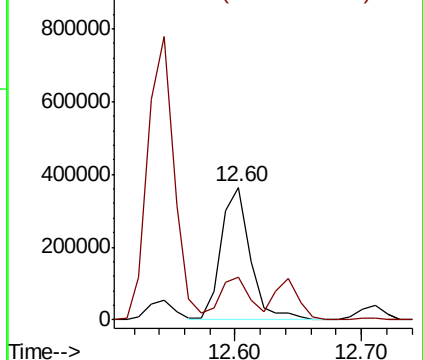
Ion Ratio Lower Upper

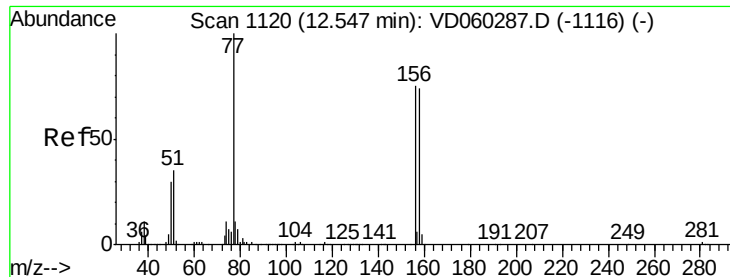
75 100

77 32.3 16.4 49.1



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





#77

Bromobenzene

Concen: 49.776 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

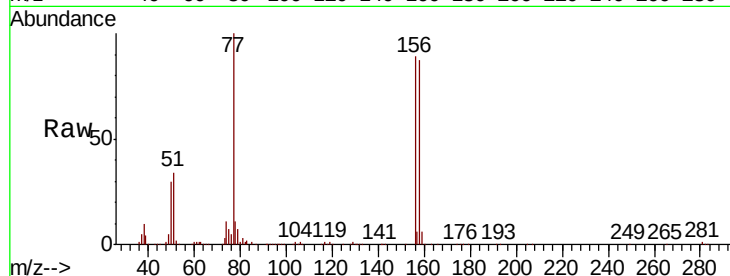
Tot Ion:156 Resp: 933031

Ion Ratio Lower Upper

156 100

77 112.4 61.2 183.6

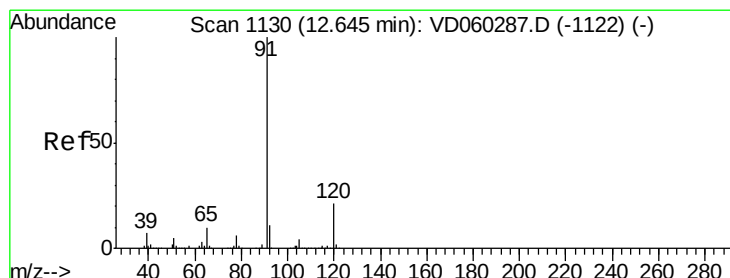
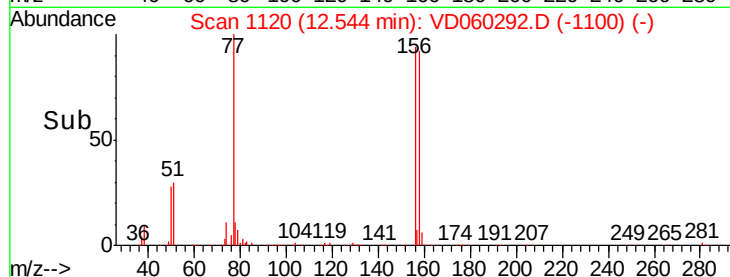
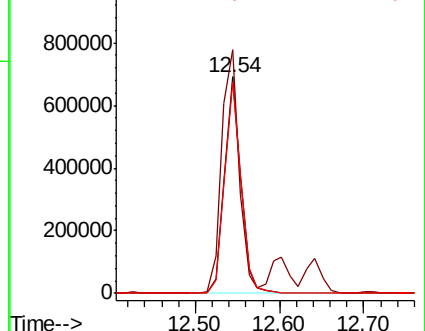
158 97.6 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.213 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060292.D

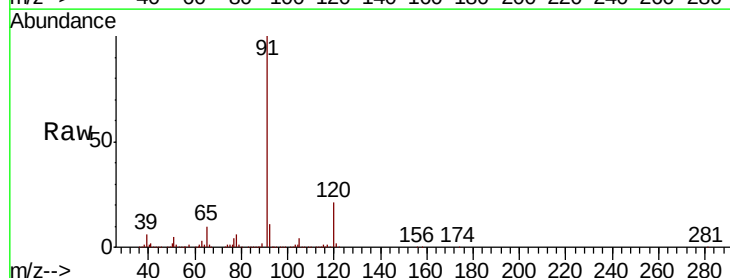
Acq: 7 Nov 2018 10:30

Tgt Ion: 91 Resp: 4334712

Ion Ratio Lower Upper

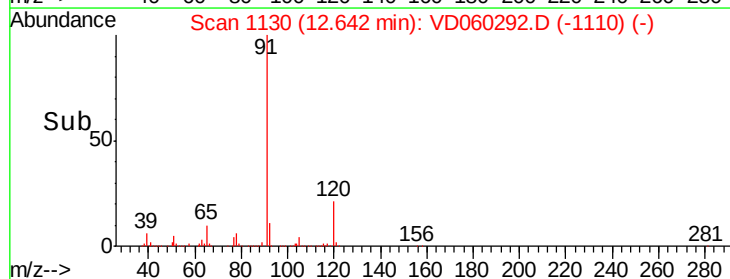
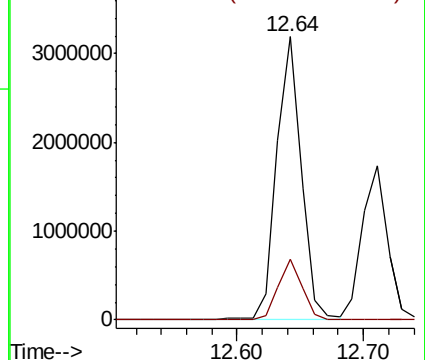
91 100

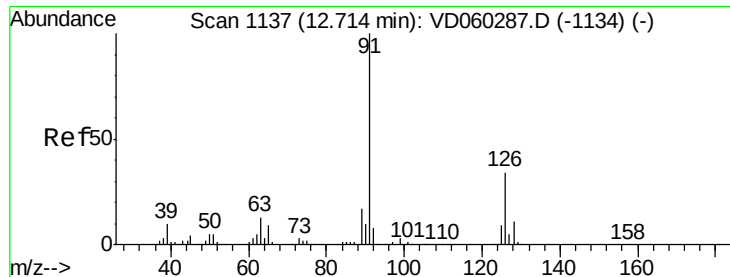
120 21.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.851 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

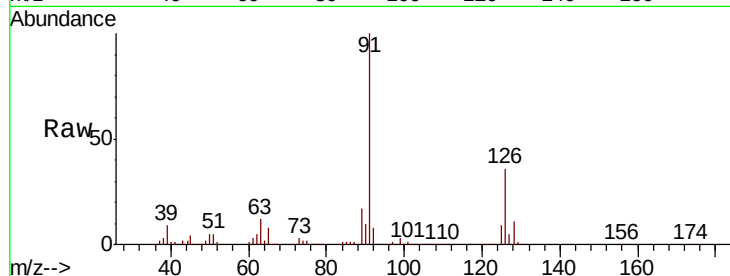
VSTD05006

Tot Ion: 91 Resp: 2404884

Ion Ratio Lower Upper

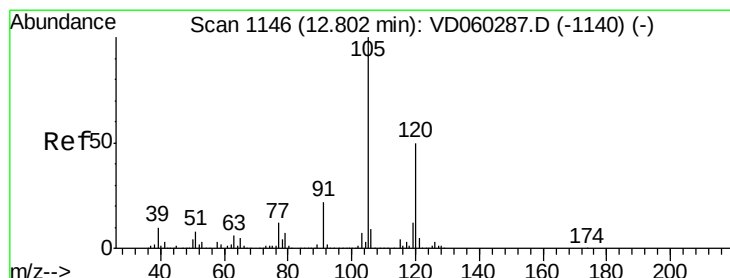
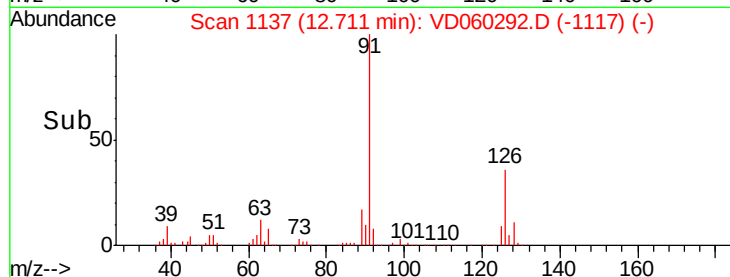
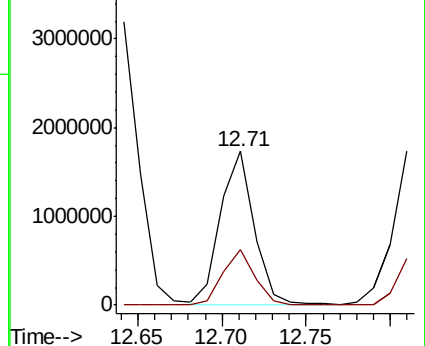
91 100

126 35.9 17.4 52.2



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: 48.979 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060292.D

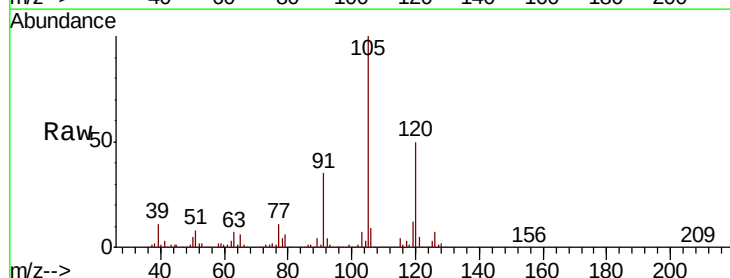
Acq: 7 Nov 2018 10:30

Tgt Ion:105 Resp: 2686102

Ion Ratio Lower Upper

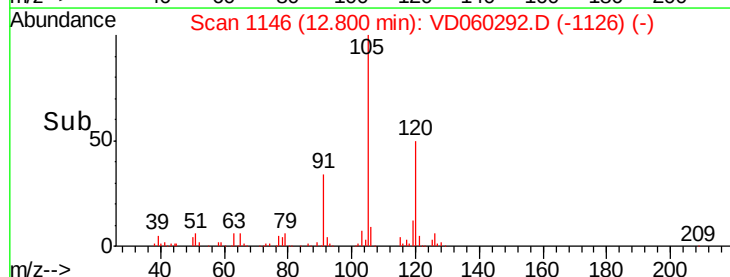
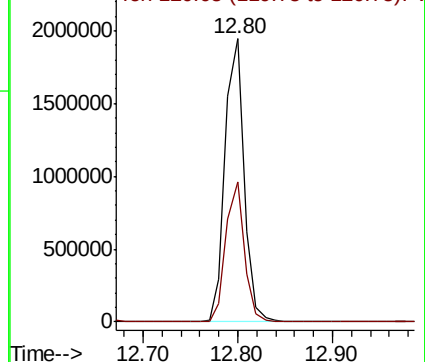
105 100

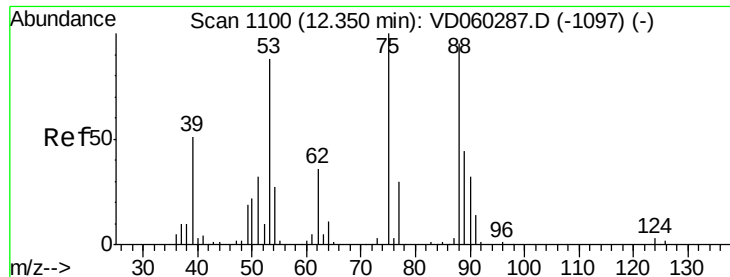
120 49.5 24.4 73.4



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: 51.748 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

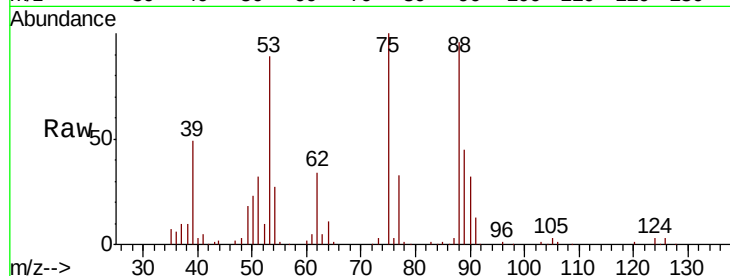
Tot Ion: 75 Resp: 170695

Ion Ratio Lower Upper

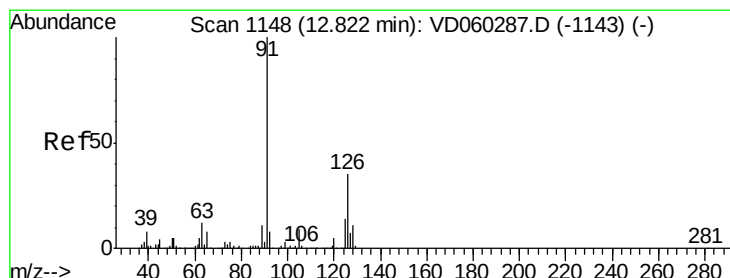
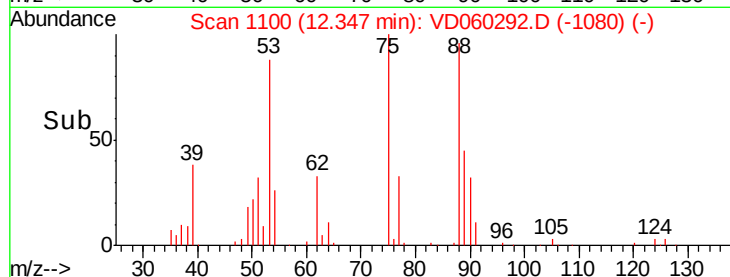
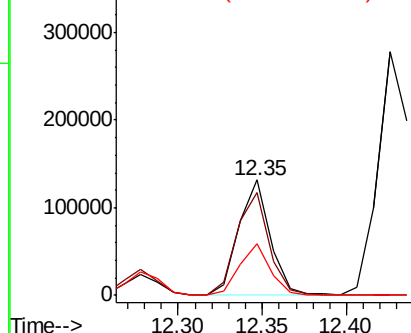
75 100

53 89.4 68.6 103.0

89 44.6 34.1 51.1



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: 49.309 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060292.D

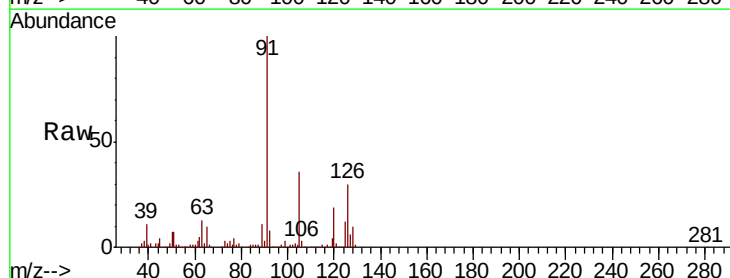
Acq: 7 Nov 2018 10:30

Tgt Ion: 91 Resp: 2672058

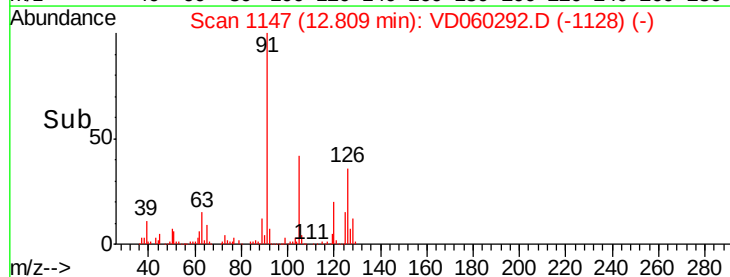
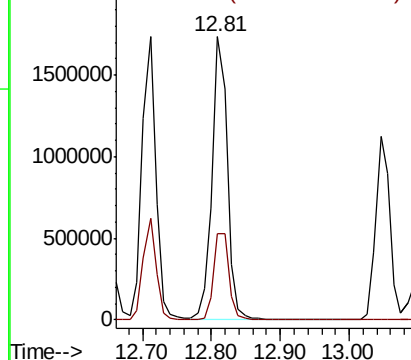
Ion Ratio Lower Upper

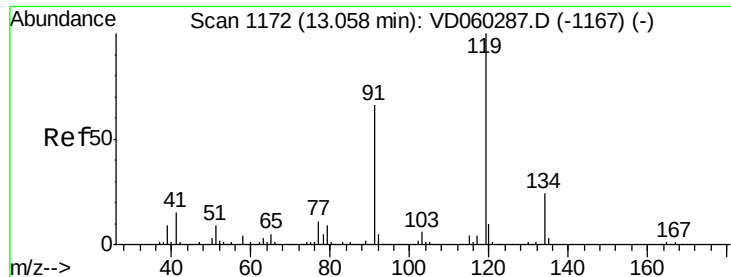
91 100

126 30.3 14.8 44.4



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

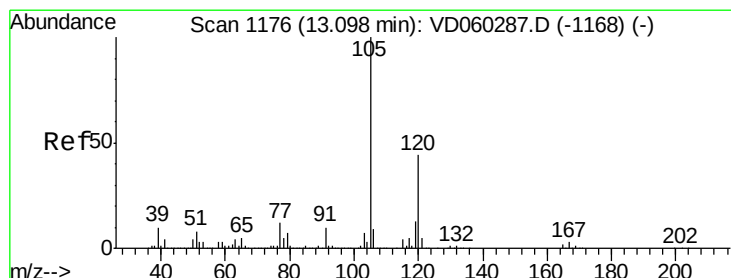
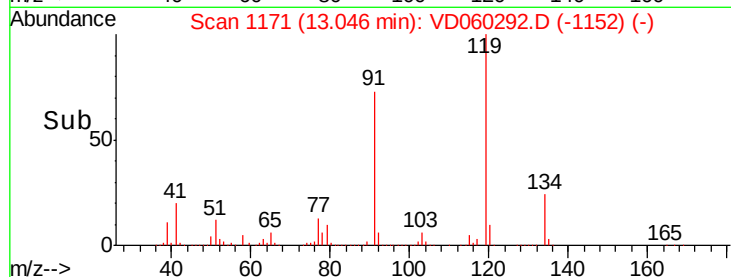
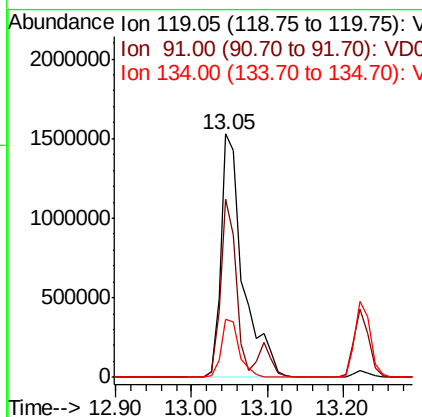
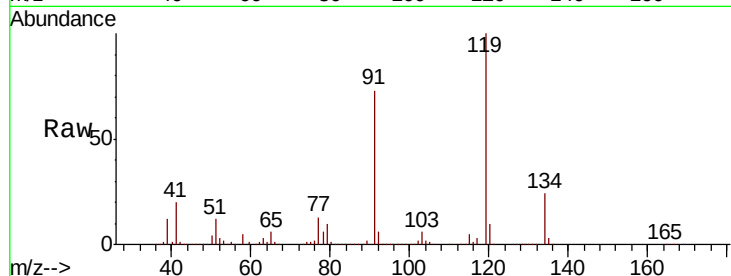




#83  
 tert-Butylbenzene  
 Concen: 51.490 ug/l  
 RT: 13.05 min Scan# 1171  
 Delta R.T. -0.01 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

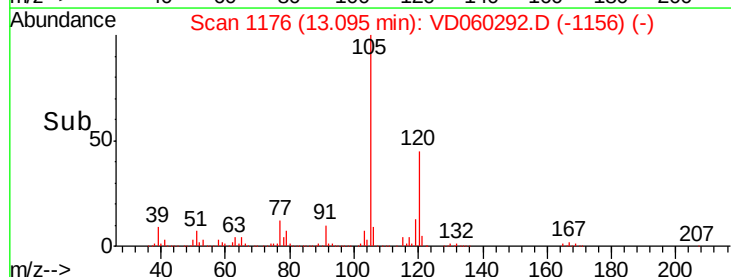
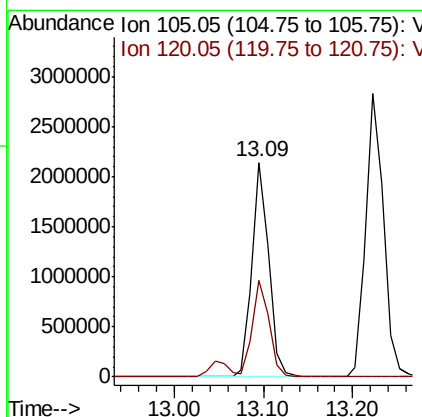
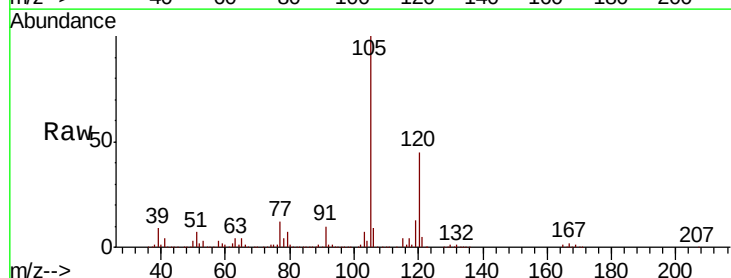
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

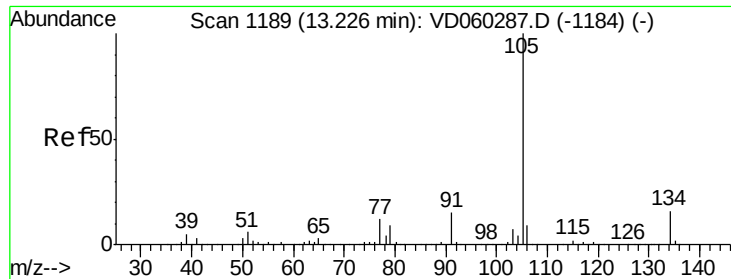
Tot Ion:119 Resp: 3135025  
 Ion Ratio Lower Upper  
 119 100  
 91 73.5 32.7 98.1  
 134 23.6 12.1 36.3



#84  
 1,2,4-Trimethylbenzene  
 Concen: 50.987 ug/l  
 RT: 13.09 min Scan# 1176  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Tgt Ion:105 Resp: 2792572  
 Ion Ratio Lower Upper  
 105 100  
 120 45.0 21.9 65.8





#85

sec-Butylbenzene

Concen: 51.779 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

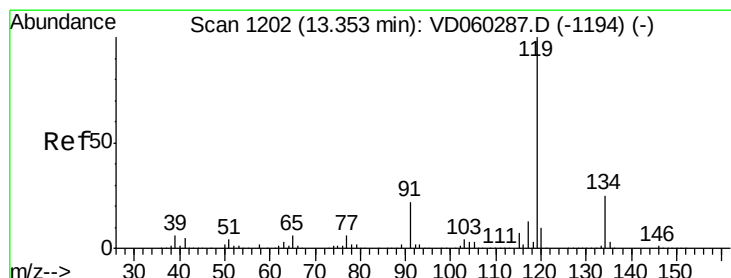
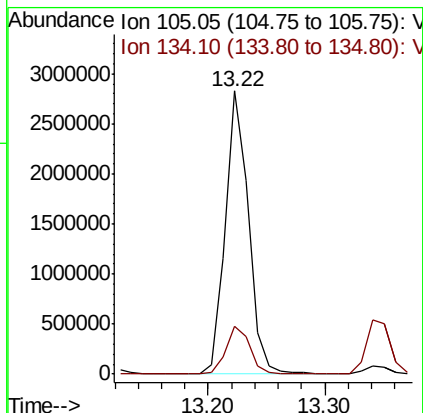
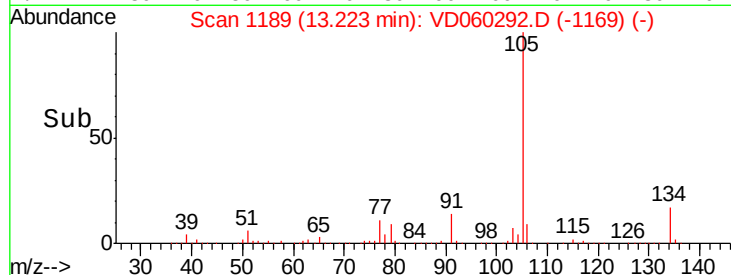
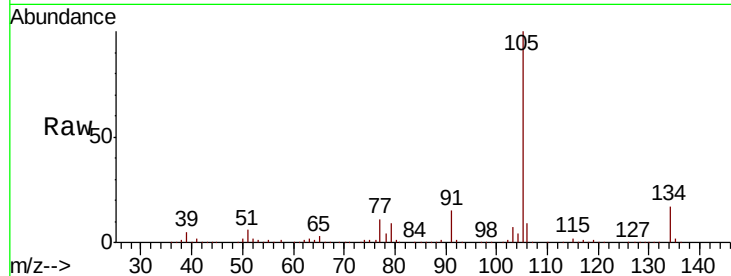
VSTD05006

Tot Ion:105 Resp: 3867862

Ion Ratio Lower Upper

105 100

134 16.8 8.0 24.0



#86

p-Isopropyltoluene

Concen: 51.822 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

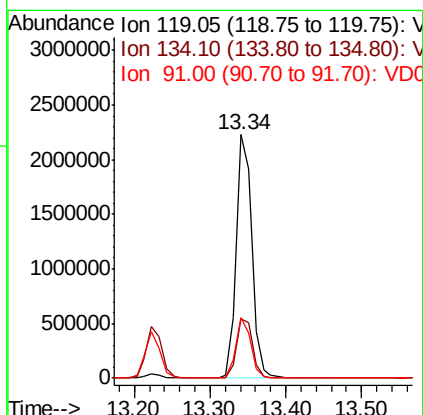
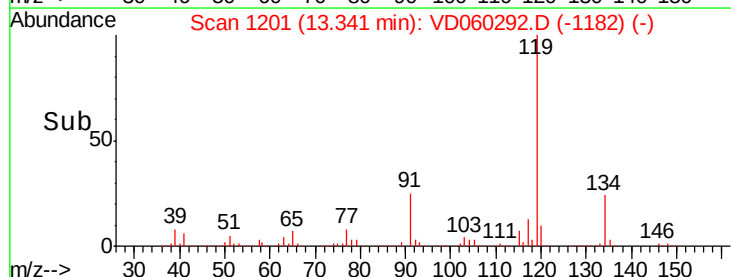
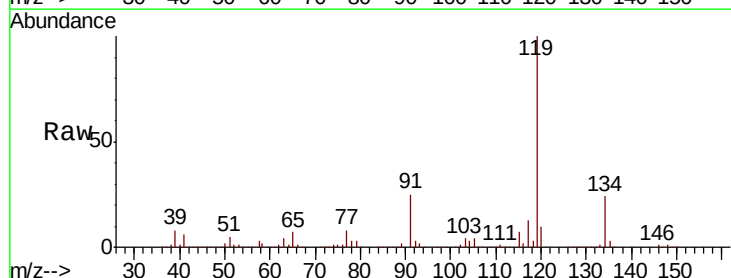
Tgt Ion:119 Resp: 3117403

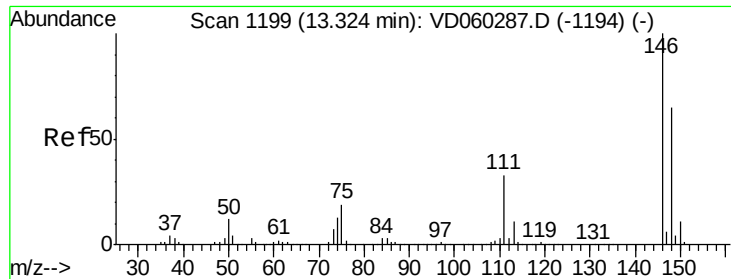
Ion Ratio Lower Upper

119 100

134 24.3 12.9 38.6

91 24.7 11.3 33.8

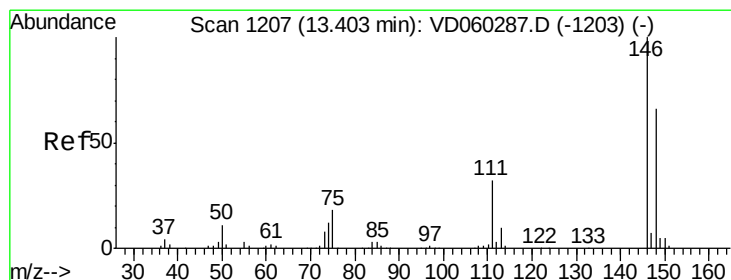
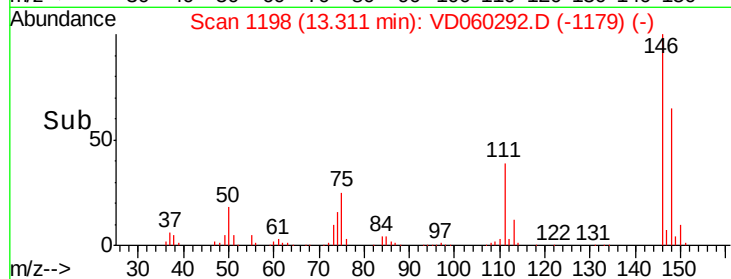
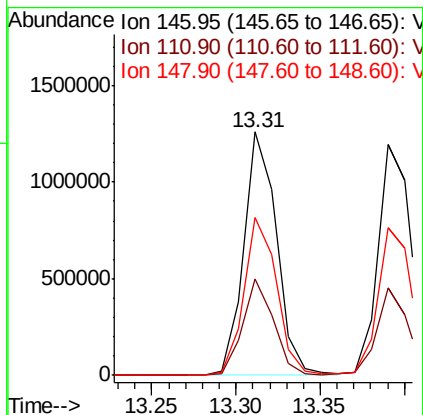
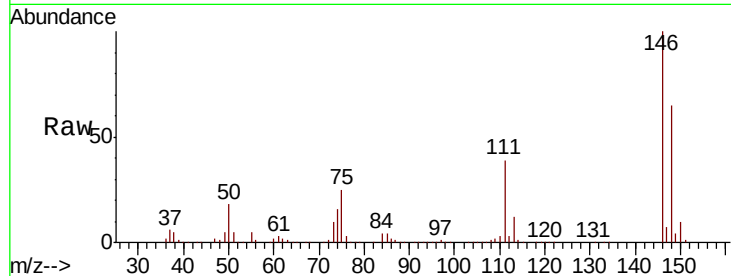




#87  
 1,3-Dichlorobenzene  
 Concen: 50.964 ug/l  
 RT: 13.31 min Scan# 1198  
 Delta R.T. -0.01 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

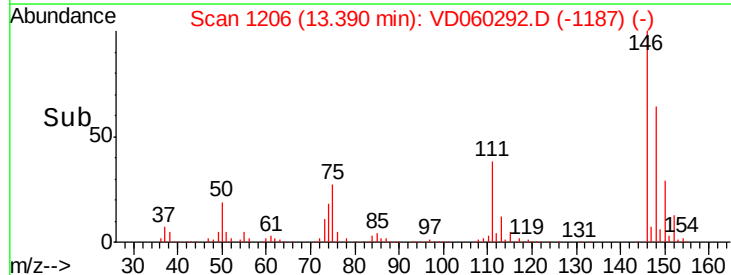
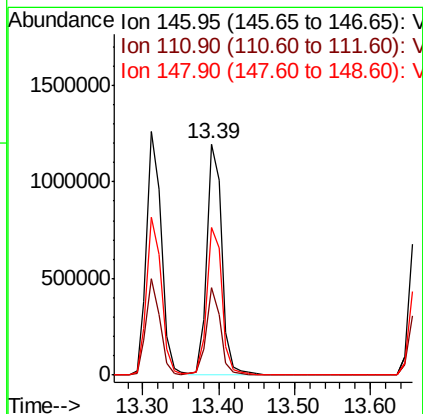
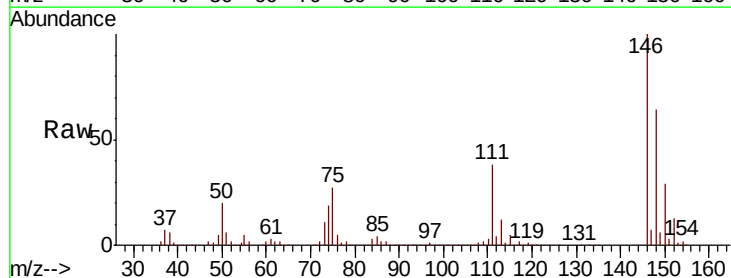
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

Tot Ion:146 Resp: 1699593  
 Ion Ratio Lower Upper  
 146 100  
 111 39.5 20.2 60.5  
 148 64.9 32.0 96.0

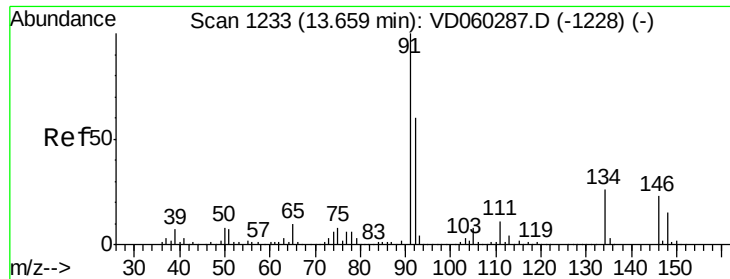


#88  
 1,4-Dichlorobenzene  
 Concen: 51.308 ug/l  
 RT: 13.39 min Scan# 1206  
 Delta R.T. -0.01 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Tgt Ion:146 Resp: 1671087  
 Ion Ratio Lower Upper  
 146 100  
 111 38.1 16.0 47.9  
 148 64.0 32.9 98.7







#89

n-Butylbenzene

Concen: 53.052 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA\_D

ClientSampleId :

VSTD05006

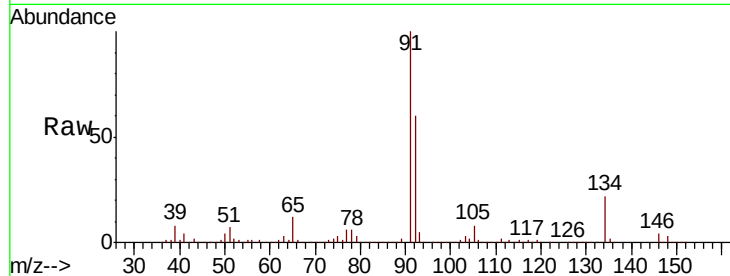
Tot Ion: 91 Resp: 3071794

Ion Ratio Lower Upper

91 100

92 60.1 30.3 90.9

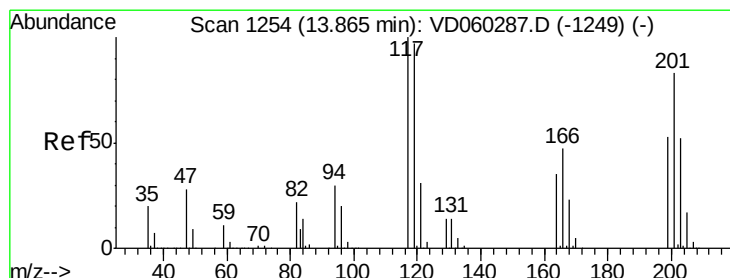
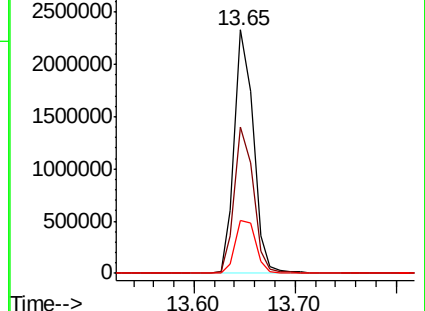
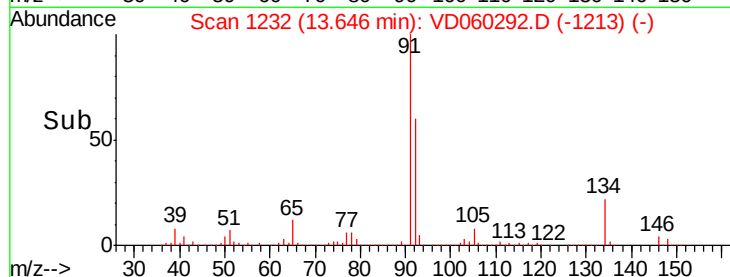
134 21.8 13.0 38.9



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: 54.531 ug/l

RT: 13.86 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD060292.D

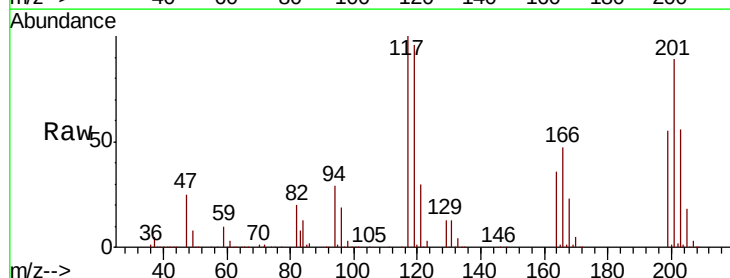
Acq: 7 Nov 2018 10:30

Tgt Ion: 117 Resp: 777838

Ion Ratio Lower Upper

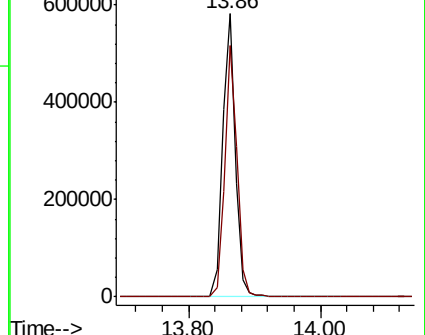
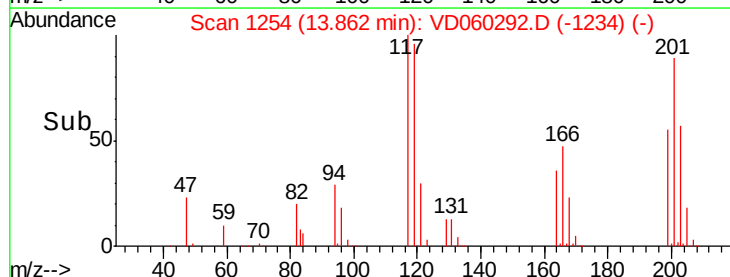
117 100

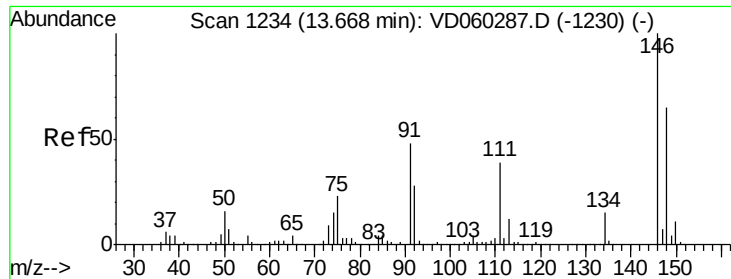
201 88.6 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

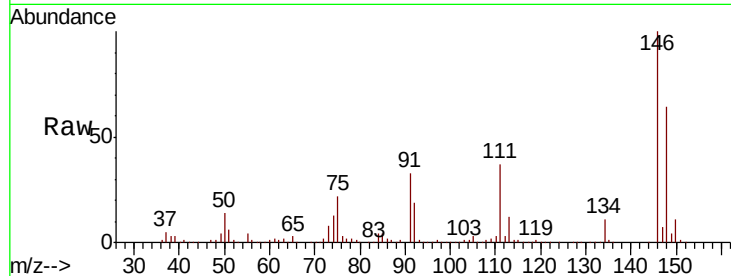




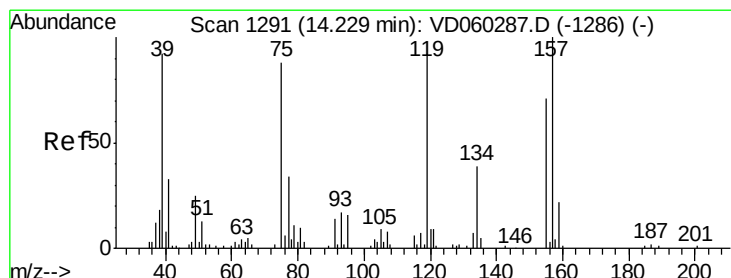
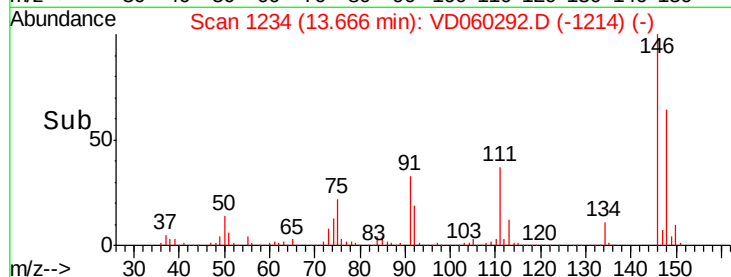
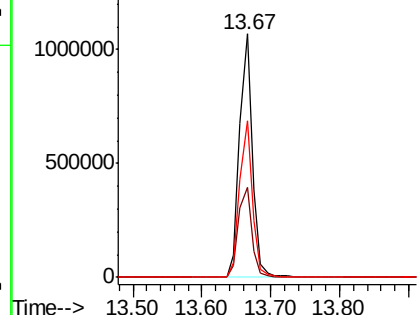
#91  
 1,2-Dichlorobenzene  
 Concen: 50.147 ug/l  
 RT: 13.67 min Scan# 1234  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

Tot Ion:146 Resp: 1373648  
 Ion Ratio Lower Upper  
 146 100  
 111 36.9 18.9 56.9  
 148 64.1 31.6 94.8

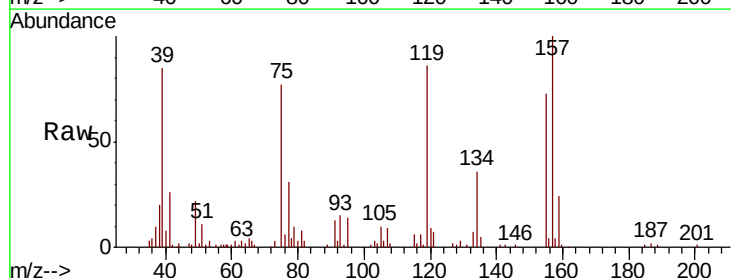


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

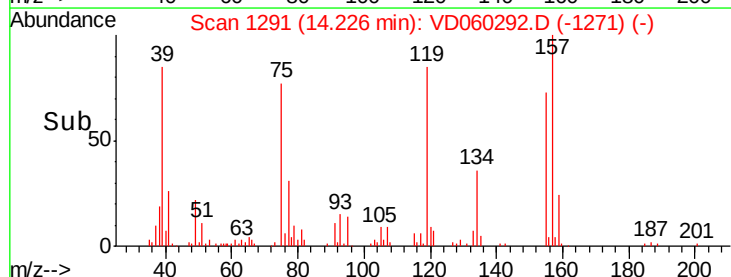
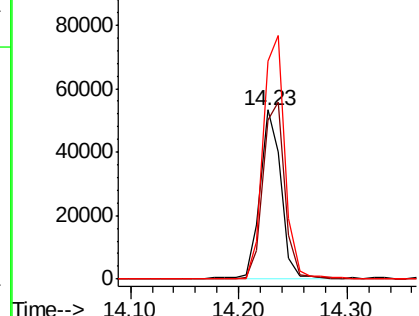


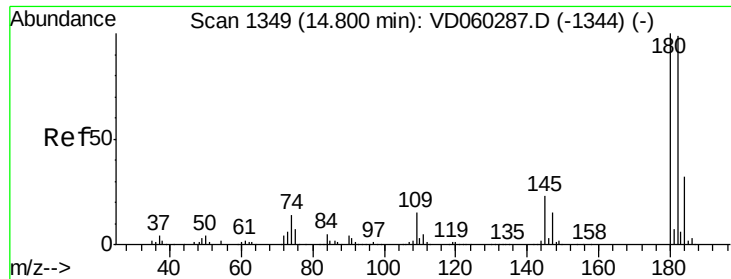
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.958 ug/l  
 RT: 14.23 min Scan# 1291  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Tgt Ion: 75 Resp: 72383  
 Ion Ratio Lower Upper  
 75 100  
 155 94.3 64.3 192.9  
 157 129.2 81.0 243.1



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

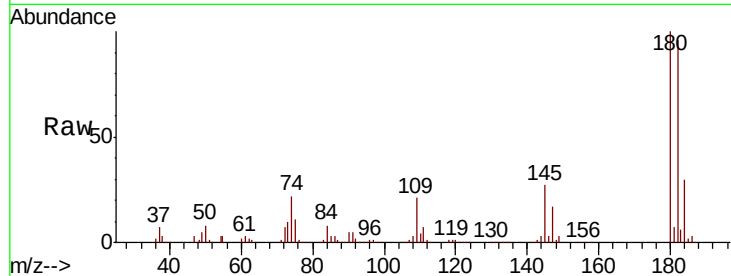




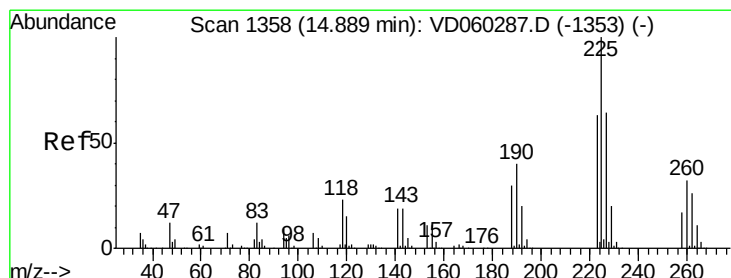
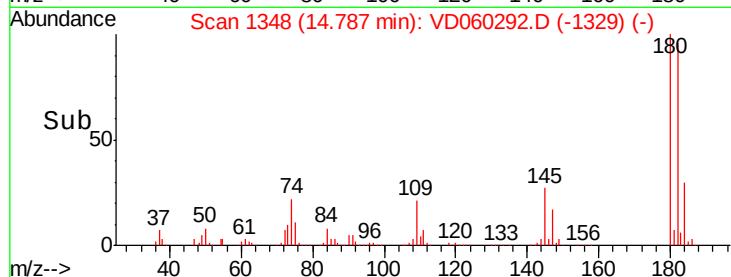
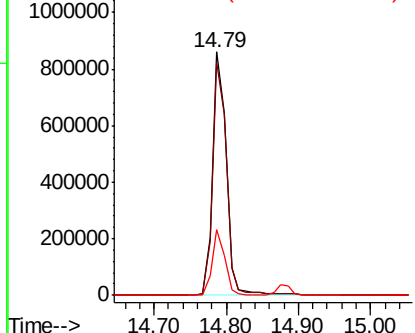
#93  
 1,2,4-Trichlorobenzene  
 Concen: 51.943 ug/l  
 RT: 14.79 min Scan# 1348  
 Delta R.T. -0.01 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD05006

Tot Ion:180 Resp: 1128112  
 Ion Ratio Lower Upper  
 180 100  
 182 96.1 48.1 144.4  
 145 26.8 11.5 34.4

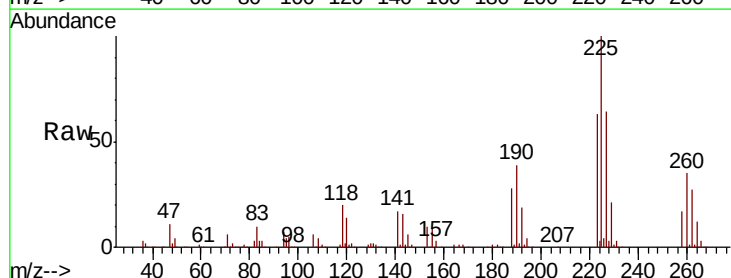


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

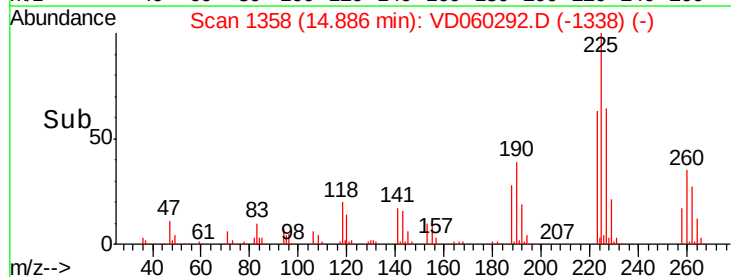
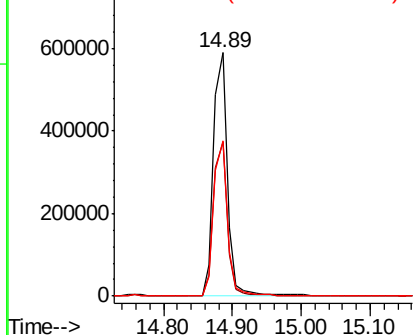


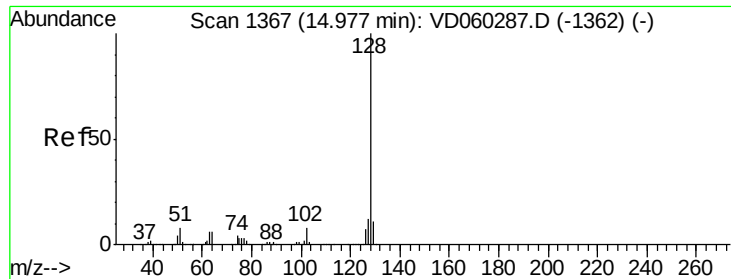
#94  
 Hexachlorobutadiene  
 Concen: 51.360 ug/l  
 RT: 14.89 min Scan# 1358  
 Delta R.T. -0.00 min  
 Lab File: VD060292.D  
 Acq: 7 Nov 2018 10:30

Tgt Ion:225 Resp: 834325  
 Ion Ratio Lower Upper  
 225 100  
 223 63.0 31.6 94.8  
 227 63.8 32.3 96.9



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

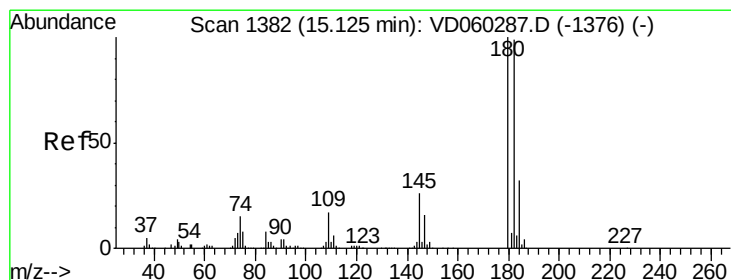
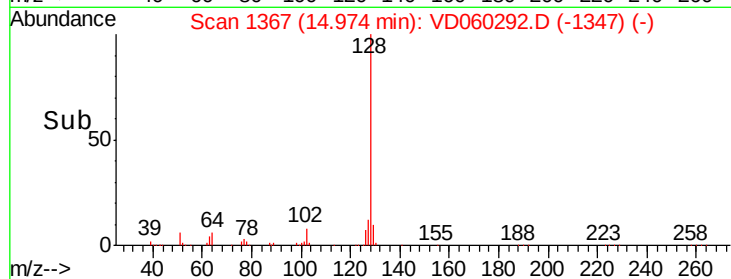
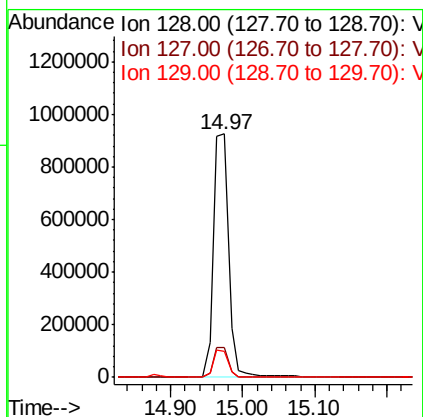
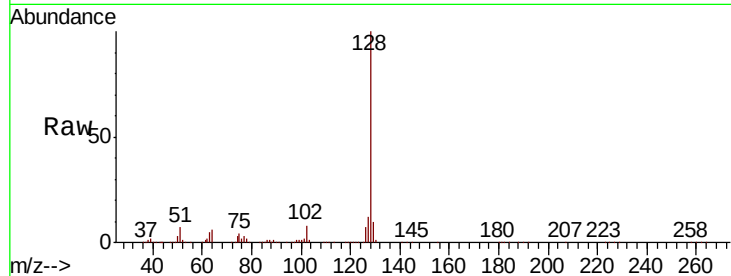




#95  
Naphthalene  
Concen: 50.681 ug/l  
RT: 14.97 min Scan# 1367  
Delta R.T. -0.00 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD05006

Tot Ion:128 Resp: 1344031  
Ion Ratio Lower Upper  
128 100  
127 12.5 9.6 14.4  
129 10.4 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 52.444 ug/l  
RT: 15.11 min Scan# 1381  
Delta R.T. -0.01 min  
Lab File: VD060292.D  
Acq: 7 Nov 2018 10:30

Tgt Ion:180 Resp: 912705  
Ion Ratio Lower Upper  
180 100  
182 95.4 48.9 146.7  
145 29.6 12.9 38.6

