

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072718\  
 Data File : VD059620.D  
 Acq On : 27 Jul 2018 19:21  
 Operator : VA/AP  
 Sample : VD0727SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBS01

Quant Time: Jul 28 01:26:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 25 07:10:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.60  | 168  | 124567   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.66  | 114  | 161632   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.67 | 117  | 136407   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.90 | 152  | 69448    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.99  | 65   | 87474    | 55.86 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.72% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 79513    | 57.35 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 114.70% |          |
| 50) Toluene-d8              | 8.68  | 98   | 159800   | 50.81 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.62% |          |
| 62) 4-Bromofluorobenzene    | 11.92 | 95   | 75293    | 53.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.30% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.30 | 85   | 39484    | 25.919  | ug/l   | 96     |
| 3) Chloromethane              | 1.45 | 50   | 16970    | 21.797  | ug/l   | 90     |
| 4) Vinyl Chloride             | 1.52 | 62   | 17542    | 21.651  | ug/l   | 97     |
| 5) Bromomethane               | 1.75 | 94   | 4208     | 27.072  | ug/l # | 68     |
| 6) Chloroethane               | 1.84 | 64   | 5866     | 24.749  | ug/l   | 89     |
| 7) Trichlorofluoromethane     | 2.03 | 101  | 34594    | 25.028  | ug/l   | 95     |
| 8) Diethyl Ether              | 2.31 | 74   | 5268     | 21.873  | ug/l   | 86     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.50 | 101  | 18370    | 25.223  | ug/l   | 97     |
| 10) Methyl Iodide             | 2.65 | 142  | 19306    | 21.502  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 3.23 | 59   | 7779     | 124.514 | ug/l # | 80     |
| 12) 1,1-Dichloroethene        | 2.49 | 96   | 12181    | 23.074  | ug/l   | 98     |
| 13) Acrolein                  | 2.44 | 56   | 3550     | 110.295 | ug/l   | 99     |
| 14) Allyl chloride            | 2.88 | 41   | 28017    | 21.888  | ug/l   | 98     |
| 15) Acrylonitrile             | 3.32 | 53   | 15737    | 116.145 | ug/l   | 92     |
| 16) Acetone                   | 2.58 | 43   | 25319    | 107.058 | ug/l   | 93     |
| 17) Carbon Disulfide          | 2.71 | 76   | 42582    | 20.308  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.90 | 43   | 10934    | 23.120  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 3.36 | 73   | 39967    | 22.587  | ug/l # | 88     |
| 20) Methylene Chloride        | 3.03 | 84   | 15252    | 22.618  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 3.34 | 96   | 13361    | 23.471  | ug/l   | 95     |
| 22) Diisopropyl ether         | 4.03 | 45   | 73971    | 21.977  | ug/l   | 96     |
| 23) Vinyl Acetate             | 3.97 | 43   | 243905   | 114.176 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 3.92 | 63   | 48424    | 22.789  | ug/l   | 99     |
| 25) 2-Butanone                | 4.80 | 43   | 37977    | 105.301 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 4.76 | 77   | 47725    | 21.931  | ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 4.76 | 96   | 27718    | 24.377  | ug/l   | 98     |
| 28) Bromochloromethane        | 5.10 | 49   | 19727    | 23.463  | ug/l   | 91     |
| 29) Tetrahydrofuran           | 5.15 | 42   | 17997    | 107.772 | ug/l   | 99     |
| 30) Chloroform                | 5.29 | 83   | 60434    | 23.780  | ug/l   | 98     |
| 31) Cyclohexane               | 5.54 | 56   | 30687    | 19.058  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 5.48 | 97   | 54750    | 22.252  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 5.70 | 75   | 38331    | 23.633  | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.90 | 43   | 18430    | 22.090  | ug/l # | 97     |
| 38) Carbon Tetrachloride      | 5.68 | 117  | 50804    | 22.875  | ug/l   | 99     |

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 Sample : VD0727SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBS01

Quant Time: Jul 28 01:26:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072418S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 25 07:10:33 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.25  | 83   | 31792    | 21.316  | ug/l   | 95       |
| 40) Benzene                    | 5.98  | 78   | 73762    | 22.177  | ug/l   | 96       |
| 41) Methacrylonitrile          | 5.08  | 41   | 9492     | 22.798  | ug/l # | 85       |
| 42) 1,2-Dichloroethane         | 6.10  | 62   | 45452    | 22.681  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 7.59  | 43   | 26302    | 22.734  | ug/l   | 100      |
| 44) Trichloroethene            | 6.95  | 130  | 29376    | 24.351  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 7.32  | 63   | 18402    | 19.757  | ug/l   | 96       |
| 46) Dibromomethane             | 7.43  | 93   | 17854    | 22.678  | ug/l   | 95       |
| 47) Bromodichloromethane       | 7.72  | 83   | 44298    | 23.558  | ug/l   | 99       |
| 48) Methyl methacrylate        | 7.47  | 41   | 16600    | 21.636  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 7.46  | 88   | 3364     | 480.509 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone       | 8.57  | 43   | 86039    | 111.368 | ug/l   | 100      |
| 52) Toluene                    | 8.78  | 92   | 49965    | 22.655  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.16  | 75   | 37574    | 22.154  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 8.34  | 75   | 38239    | 22.704  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane      | 9.43  | 97   | 18879    | 22.785  | ug/l   | 95       |
| 56) Ethyl methacrylate         | 9.29  | 69   | 21873    | 23.267  | ug/l   | 93       |
| 57) 1,3-Dichloropropane        | 9.65  | 76   | 31293    | 23.769  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.16  | 63   | 48301    | 109.349 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.76  | 43   | 63119    | 102.859 | ug/l   | 99       |
| 60) Dibromochloromethane       | 9.94  | 129  | 31902    | 23.193  | ug/l   | 92       |
| 61) 1,2-Dibromoethane          | 10.07 | 107  | 21299    | 21.692  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.49  | 164  | 25270    | 20.443  | ug/l   | 97       |
| 65) Chlorobenzene              | 10.71 | 112  | 61943    | 22.152  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.84 | 131  | 27539    | 22.641  | ug/l   | 98       |
| 67) Ethyl Benzene              | 10.85 | 91   | 106672   | 22.192  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.99 | 106  | 72223    | 44.989  | ug/l   | 100      |
| 69) o-Xylene                   | 11.39 | 106  | 33980    | 21.814  | ug/l   | 92       |
| 70) Styrene                    | 11.42 | 104  | 56437    | 21.851  | ug/l   | 99       |
| 71) Bromoform                  | 11.58 | 173  | 21762    | 21.972  | ug/l   | 97       |
| 73) Isopropylbenzene           | 11.76 | 105  | 101791   | 20.748  | ug/l   | 98       |
| 74) N-amyl acetate             | 11.63 | 43   | 32844    | 19.539  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.07 | 83   | 21869    | 21.833  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 12.10 | 75   | 24445    | 21.285  | ug/l   | 97       |
| 77) Bromobenzene               | 12.03 | 156  | 31509    | 21.939  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.15 | 91   | 123698   | 20.751  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 12.20 | 91   | 78012    | 21.950  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.31 | 105  | 83828    | 21.641  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 11.83 | 75   | 5667     | 19.300  | ug/l # | 85       |
| 82) 4-Chlorotoluene            | 12.31 | 91   | 92272    | 22.958  | ug/l   | 87       |
| 83) tert-Butylbenzene          | 12.57 | 119  | 94600    | 21.693  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 12.62 | 105  | 88415    | 21.472  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 12.75 | 105  | 109017   | 21.877  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 12.87 | 119  | 87973    | 20.947  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 12.83 | 146  | 53157    | 21.884  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene        | 12.92 | 146  | 51576    | 22.039  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.19 | 91   | 90317    | 22.275  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.39 | 117  | 23350    | 20.807  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 13.19 | 146  | 46419    | 22.776  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.77 | 75   | 4376     | 21.670  | ug/l   | 94       |

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Data File : VD059620.D  
Acq On : 27 Jul 2018 19:21  
Operator : VA/AP  
Sample : VD0727SBSD01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

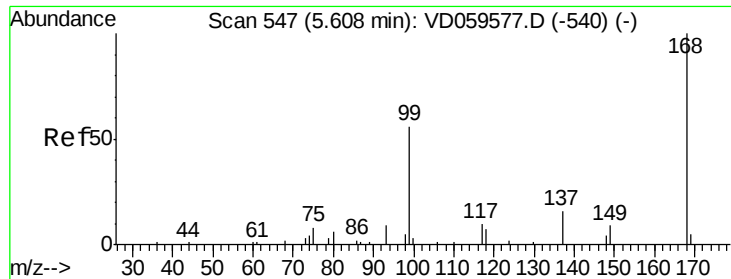
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBSD01

Quant Time: Jul 28 01:26:30 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072418S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 25 07:10:33 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.33 | 180  | 38913    | 23.056 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 14.43 | 225  | 29903    | 22.461 | ug/l  | 97       |
| 95) Naphthalene            | 14.51 | 128  | 54112    | 22.544 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.65 | 180  | 33882    | 22.185 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

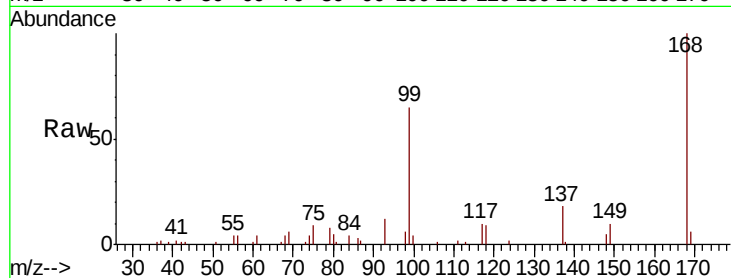
VD0727SBS01

Tot Ion:168 Resp: 124567

Ion Ratio Lower Upper

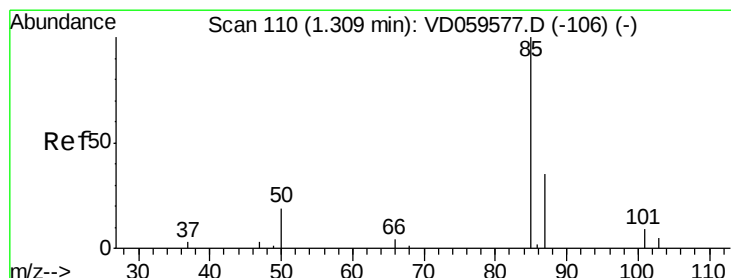
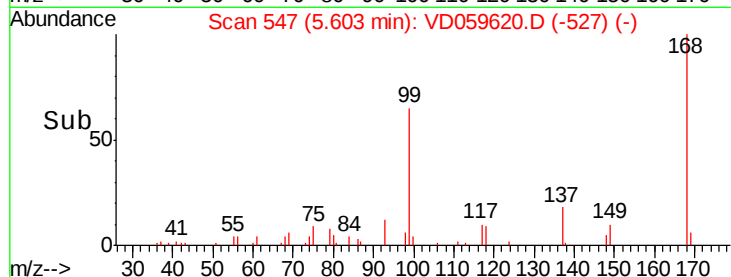
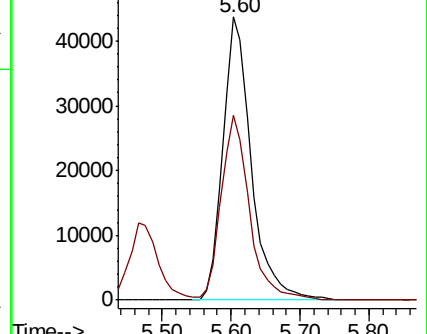
168 100

99 65.3 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 25.919 ug/l

RT: 1.30 min Scan# 110

Delta R.T. -0.00 min

Lab File: VD059620.D

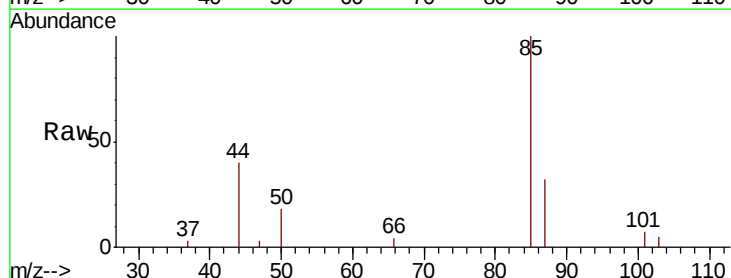
Acq: 27 Jul 2018 19:21

Tgt Ion: 85 Resp: 39484

Ion Ratio Lower Upper

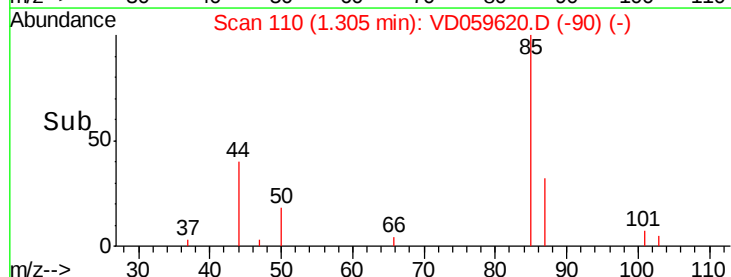
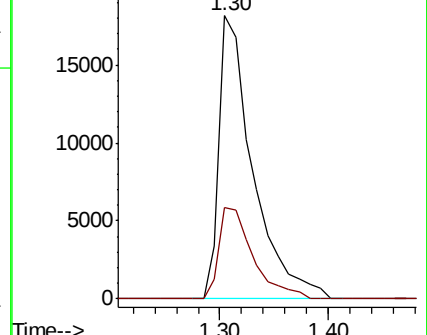
85 100

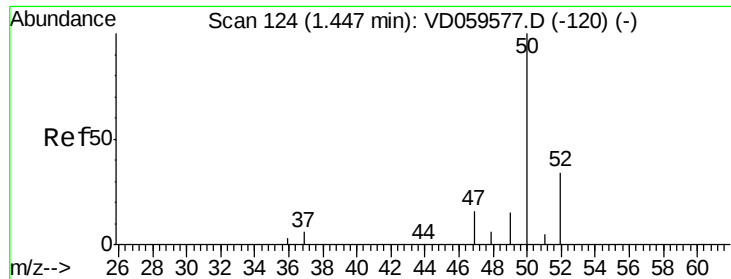
87 32.4 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.797 ug/l

RT: 1.45 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

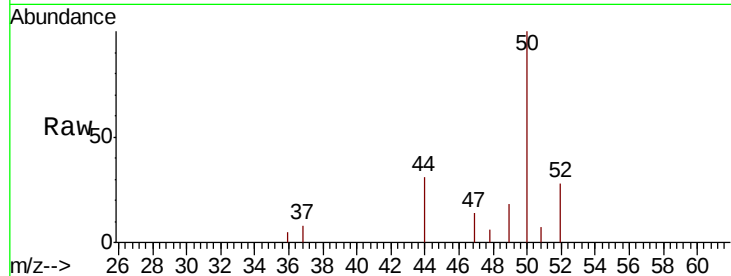
VD0727SBS01

Tot Ion: 50 Resp: 16970

Ion Ratio Lower Upper

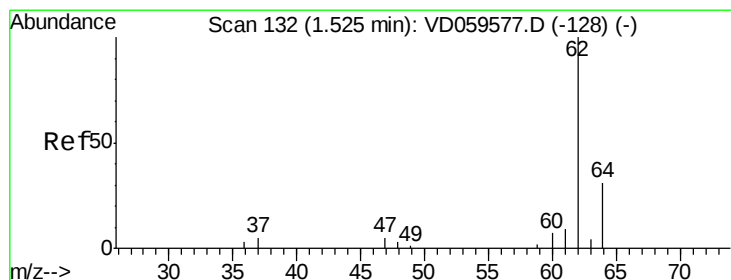
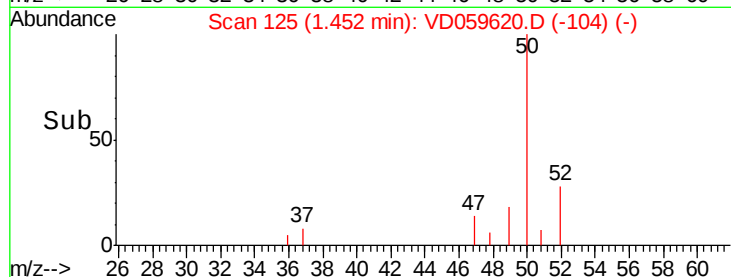
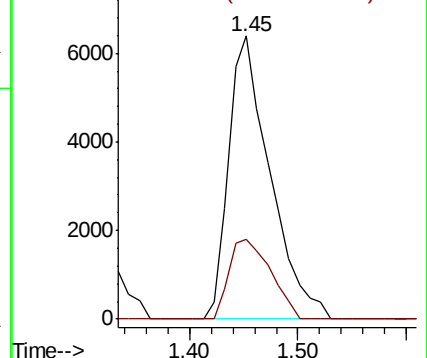
50 100

52 28.2 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.651 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.00 min

Lab File: VD059620.D

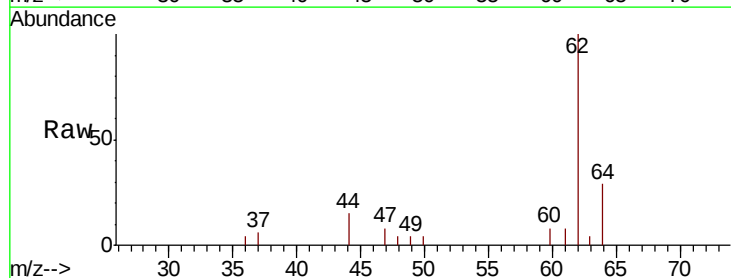
Acq: 27 Jul 2018 19:21

Tgt Ion: 62 Resp: 17542

Ion Ratio Lower Upper

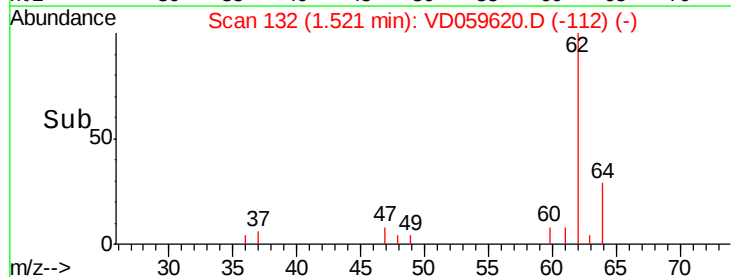
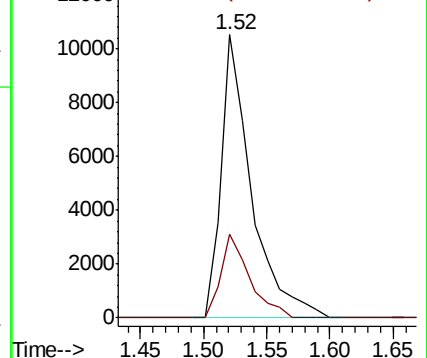
62 100

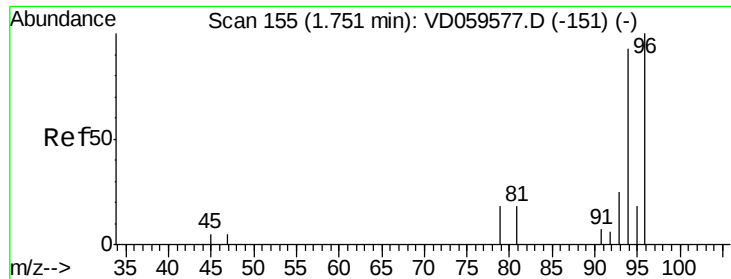
64 29.4 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

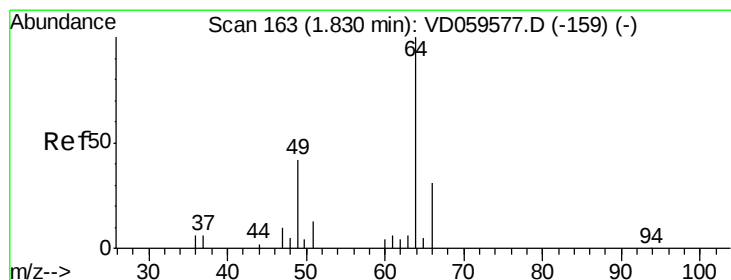
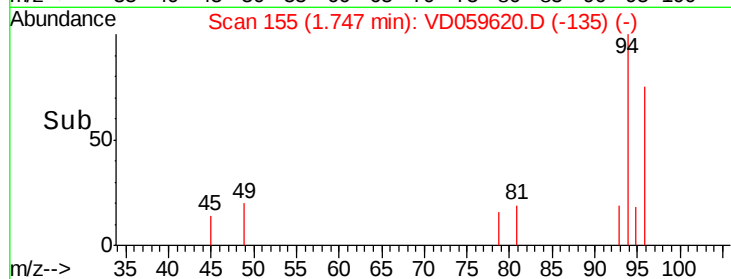
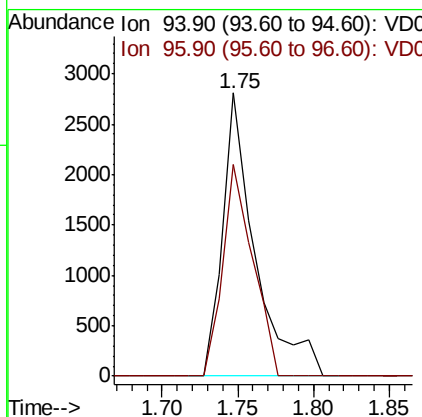
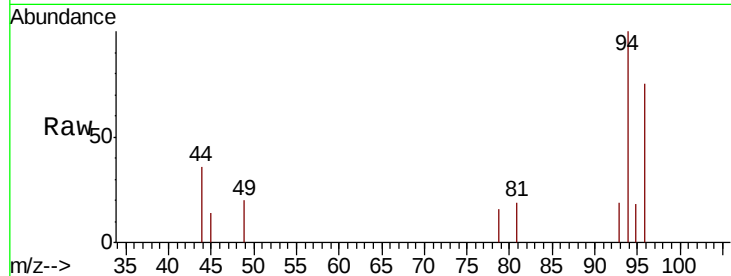




#5  
Bromomethane  
Concen: 27.072 ug/l  
RT: 1.75 min Scan# 155  
Delta R.T. -0.00 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

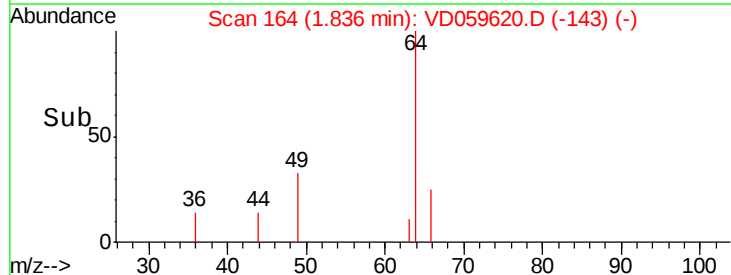
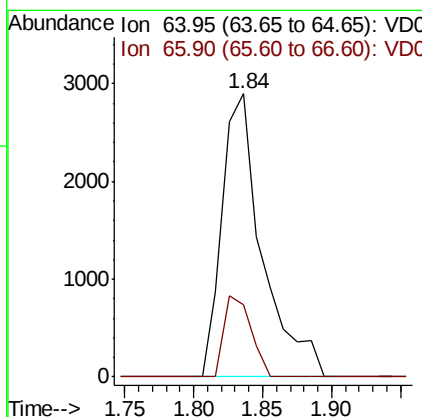
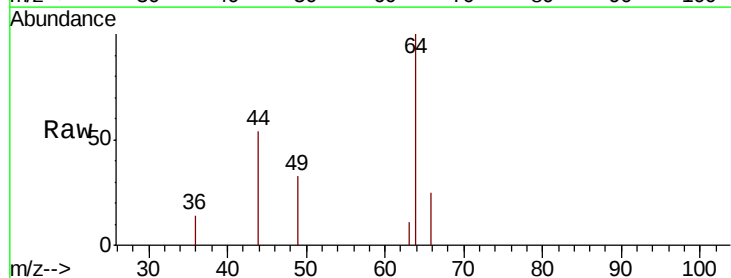
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

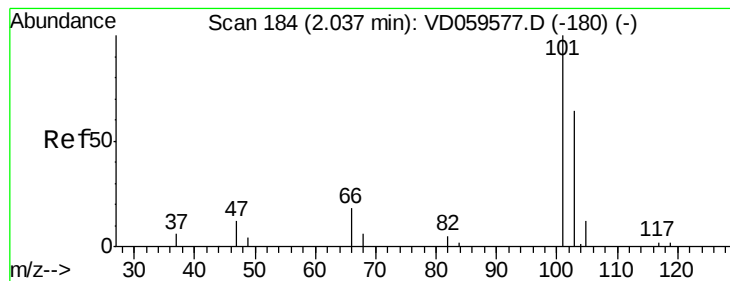
Tot Ion: 94 Resp: 4208  
Ion Ratio Lower Upper  
94 100  
96 74.8 86.2 129.2#



#6  
Chloroethane  
Concen: 24.749 ug/l  
RT: 1.84 min Scan# 164  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 64 Resp: 5866  
Ion Ratio Lower Upper  
64 100  
66 25.3 25.2 37.8



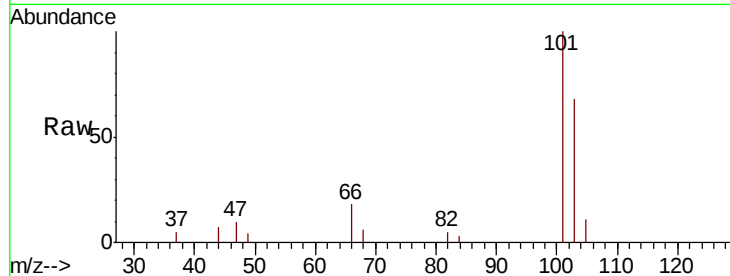


#7

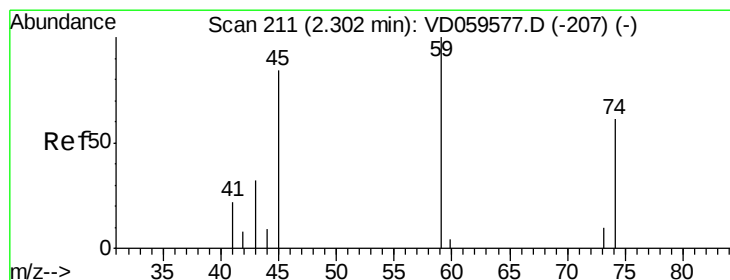
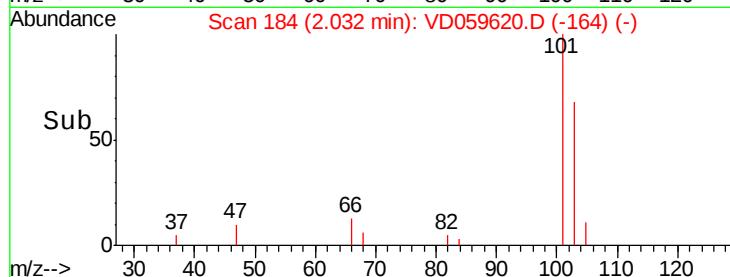
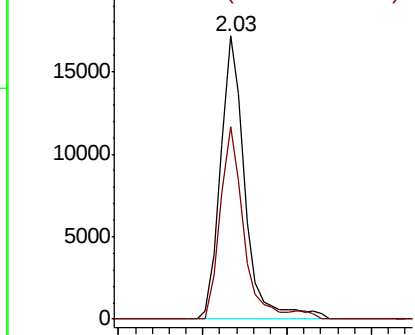
Trichlorofluoromethane  
 Concen: 25.028 ug/l  
 RT: 2.03 min Scan# 184  
 Delta R.T. -0.00 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBSD01

Tot Ion:101 Resp: 34594  
 Ion Ratio Lower Upper  
 101 100  
 103 67.8 50.9 76.3



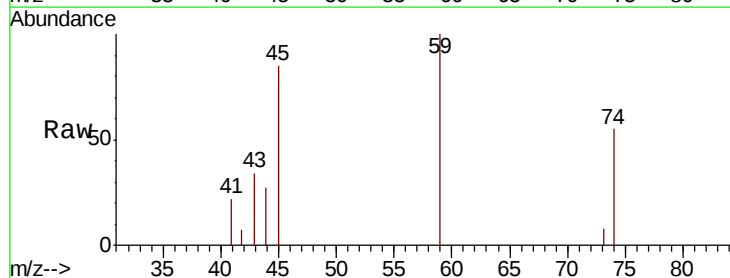
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



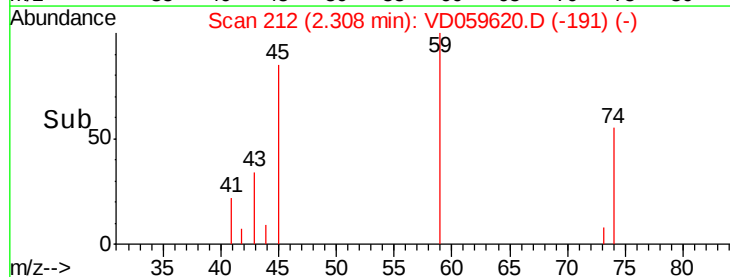
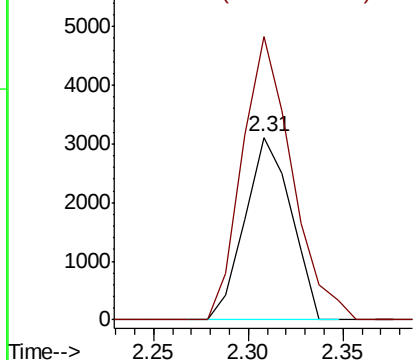
#8

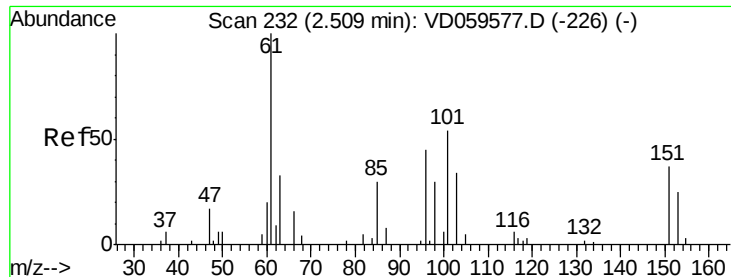
Diethyl Ether  
 Concen: 21.873 ug/l  
 RT: 2.31 min Scan# 212  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion: 74 Resp: 5268  
 Ion Ratio Lower Upper  
 74 100  
 45 155.1 69.0 207.0



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.223 ug/l

RT: 2.50 min Scan# 232

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBS01

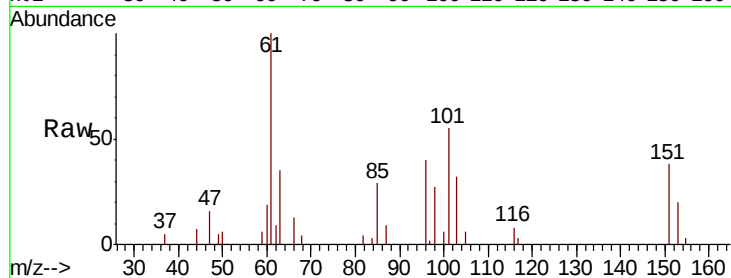
Tot Ion:101 Resp: 18370

Ion Ratio Lower Upper

101 100

85 52.2 44.5 66.7

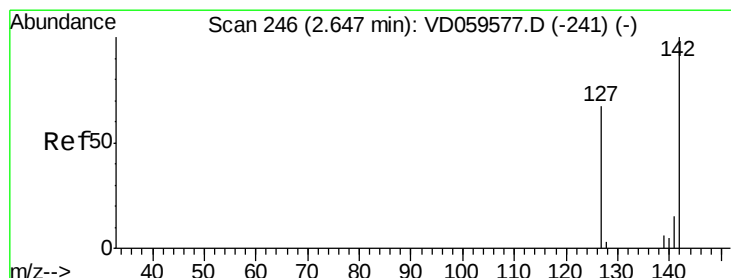
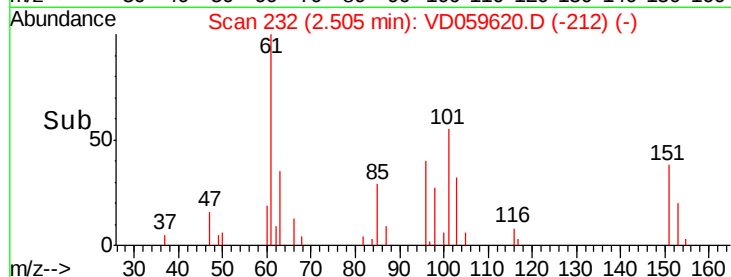
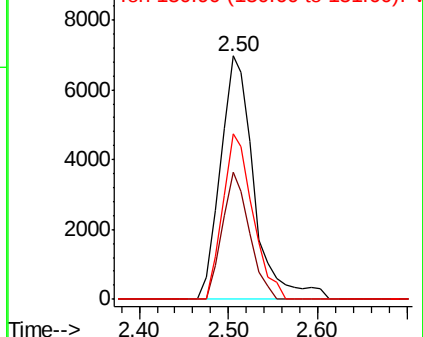
151 68.2 55.4 83.0



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: 21.502 ug/l

RT: 2.65 min Scan# 247

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

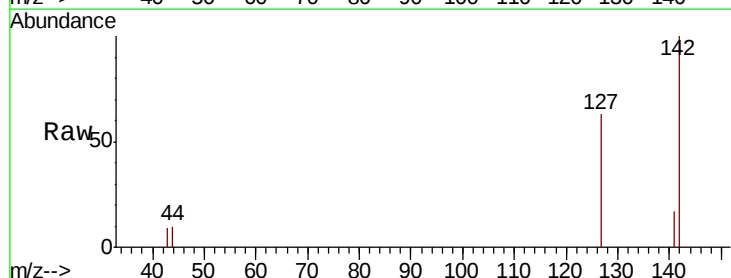
Tgt Ion:142 Resp: 19306

Ion Ratio Lower Upper

142 100

127 62.5 53.6 80.4

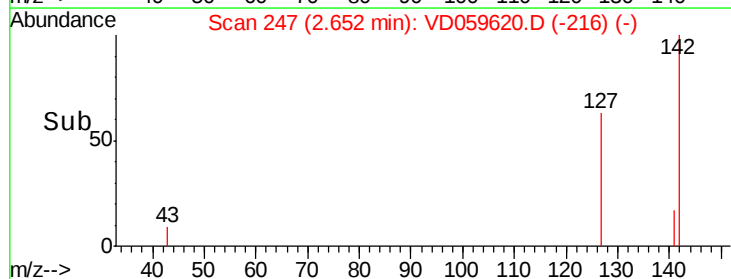
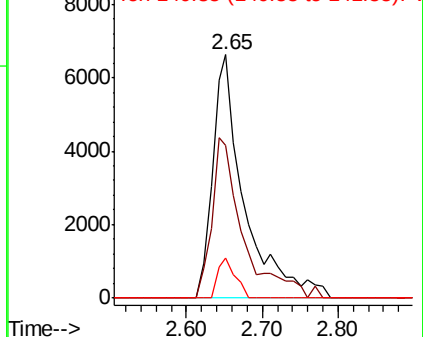
141 16.6 12.2 18.2

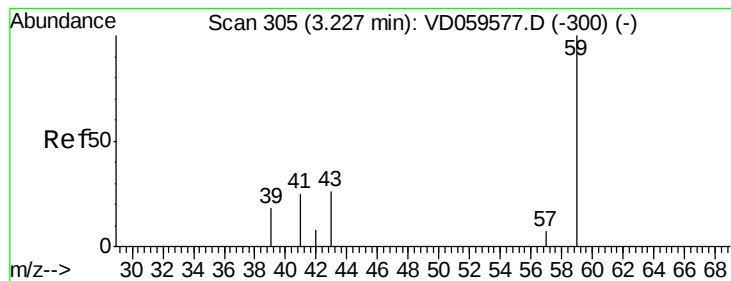


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



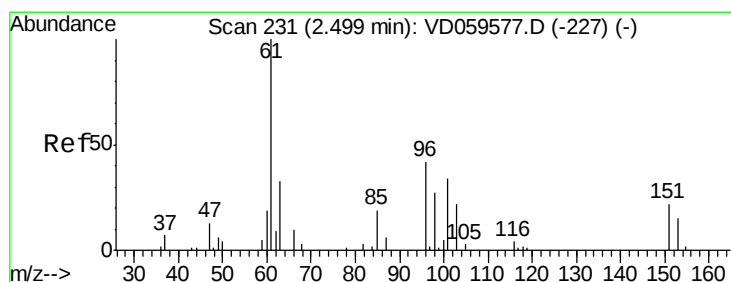
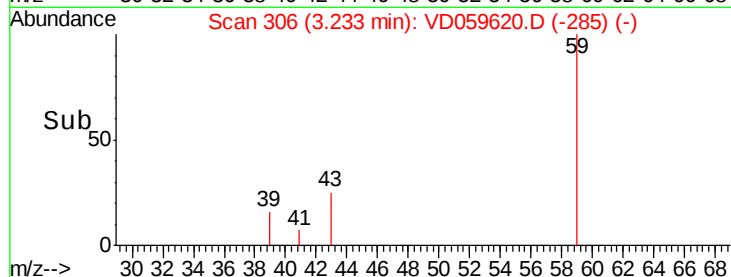
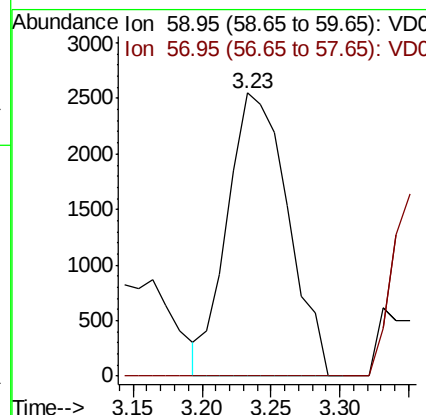
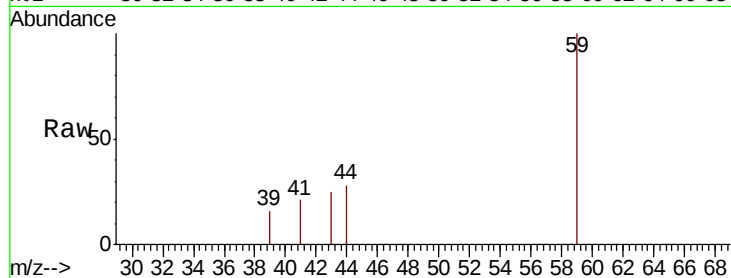


#11

Tert butyl alcohol  
 Concen: 124.514 ug/l  
 RT: 3.23 min Scan# 306  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBS01

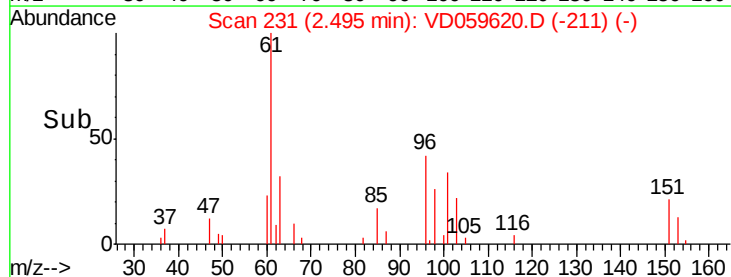
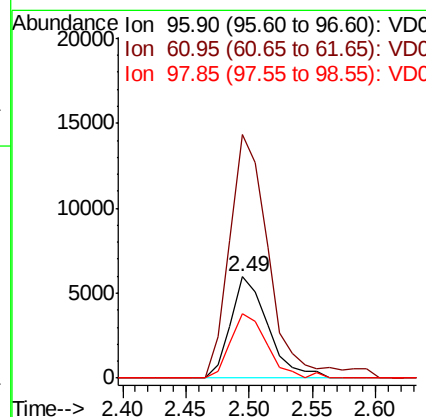
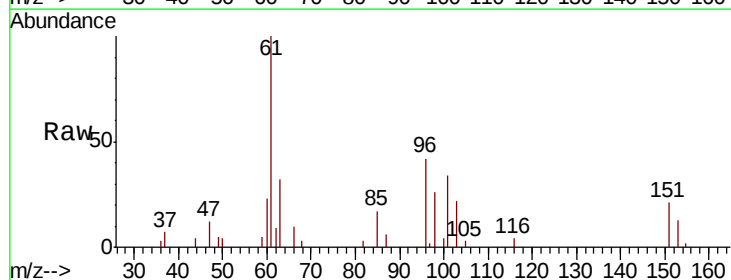
Tot Ion: 59 Resp: 7779  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 5.5 8.3#

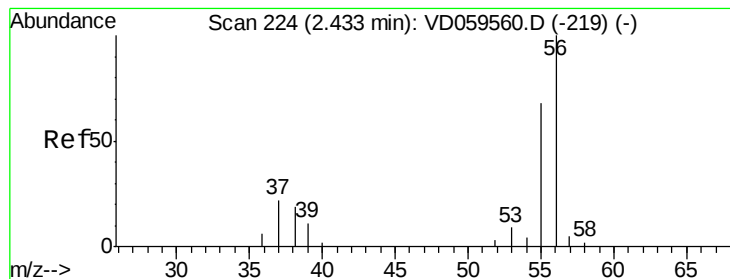


#12

1,1-Dichloroethene  
 Concen: 23.074 ug/l  
 RT: 2.49 min Scan# 231  
 Delta R.T. -0.00 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion: 96 Resp: 12181  
 Ion Ratio Lower Upper  
 96 100  
 61 239.9 188.8 283.2  
 98 63.1 51.4 77.2





#13

Acrolein

Concen: 110.295 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

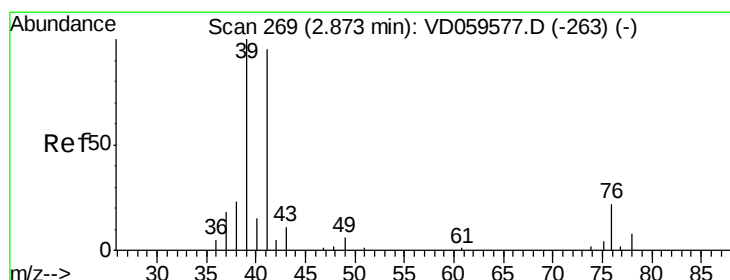
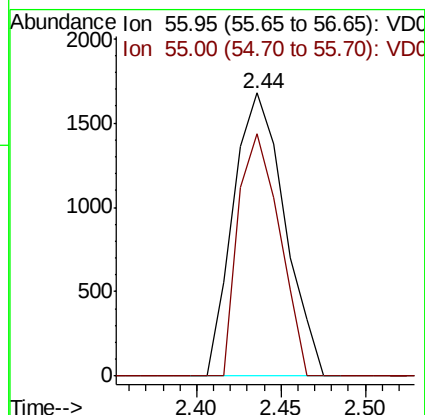
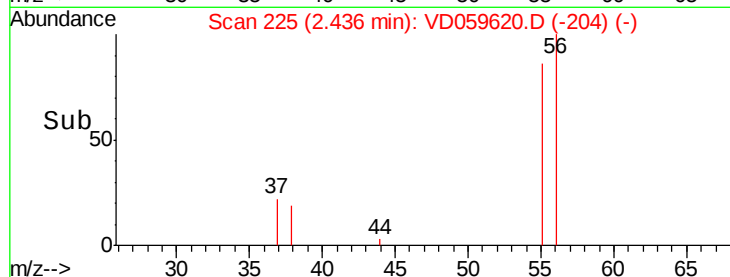
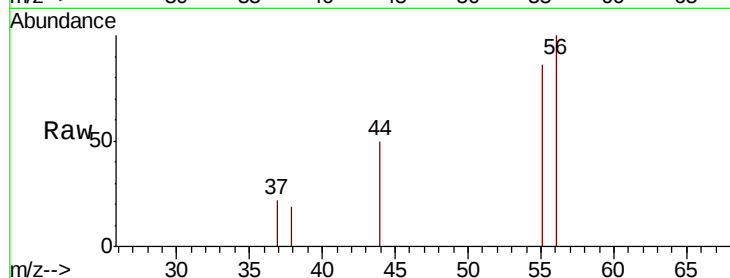
VD0727SBSD01

Tot Ion: 56 Resp: 3550

Ion Ratio Lower Upper

56 100

55 85.6 69.1 103.7



#14

Allyl chloride

Concen: 21.888 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

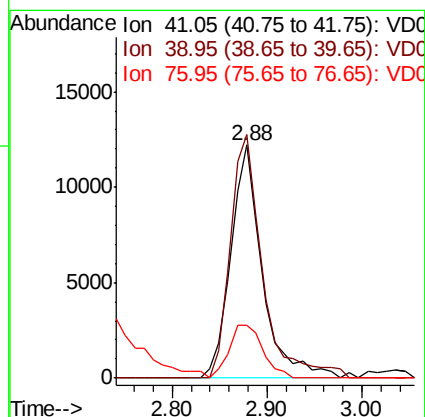
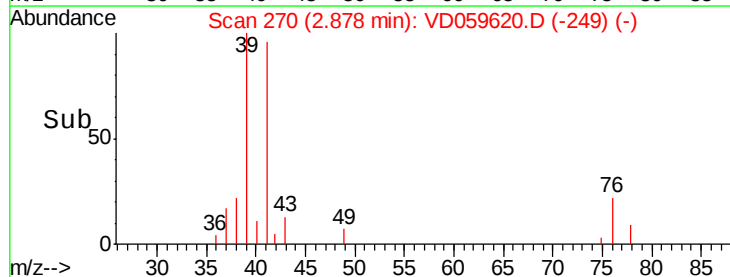
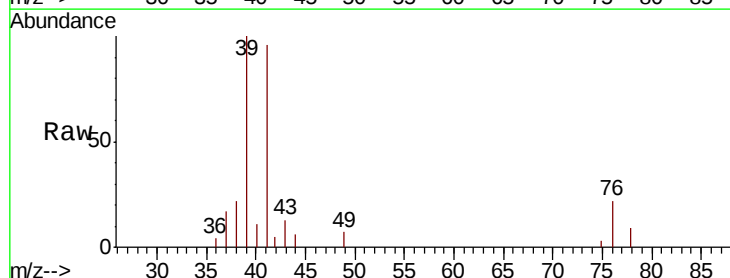
Tgt Ion: 41 Resp: 28017

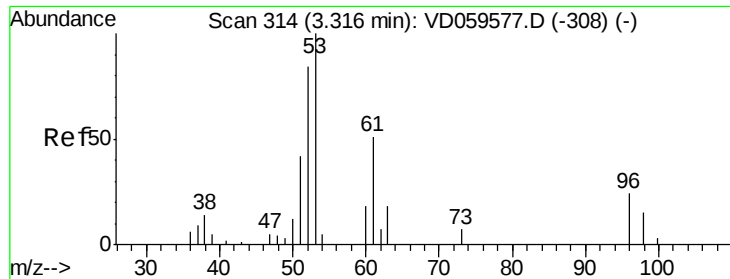
Ion Ratio Lower Upper

41 100

39 104.4 83.8 125.8

76 22.8 22.2 33.4





#15

Acrylonitrile

Concen: 116.145 ug/l

RT: 3.32 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBS01

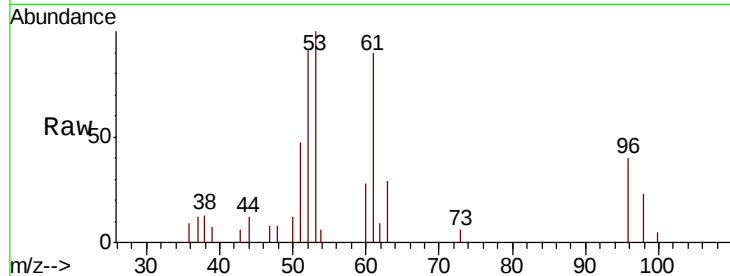
Tot Ion: 53 Resp: 15737

Ion Ratio Lower Upper

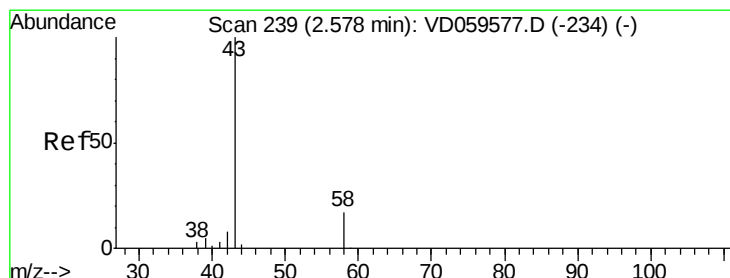
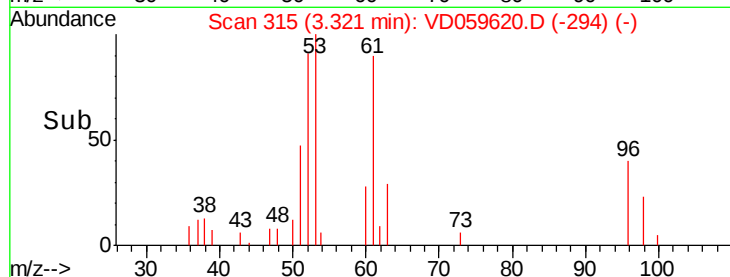
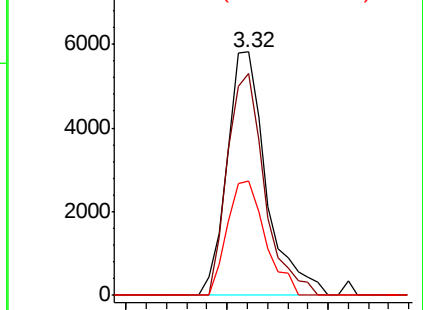
53 100

52 91.4 67.6 101.4

51 47.1 33.7 50.5



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



#16

Acetone

Concen: 107.058 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059620.D

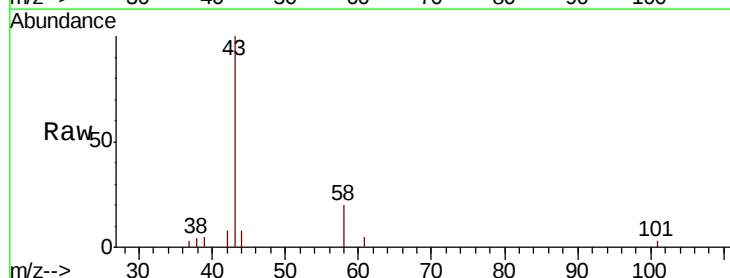
Acq: 27 Jul 2018 19:21

Tgt Ion: 43 Resp: 25319

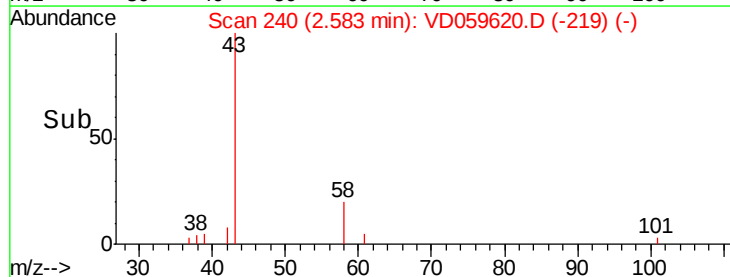
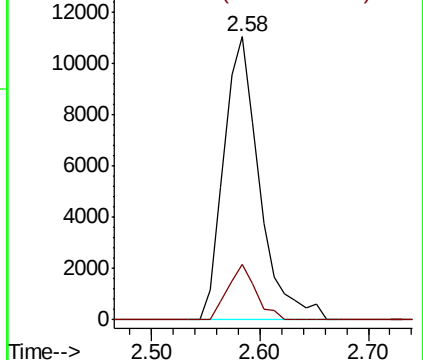
Ion Ratio Lower Upper

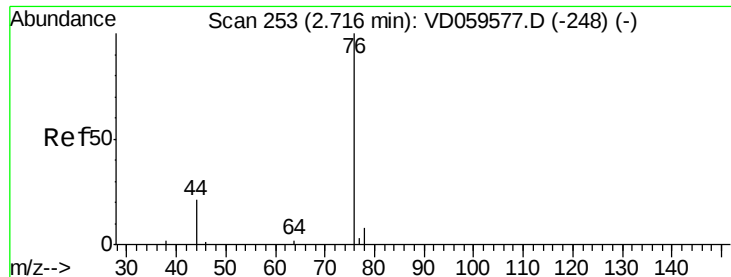
43 100

58 19.5 13.4 20.0



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

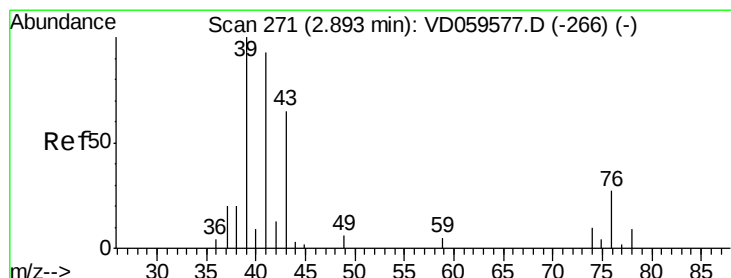
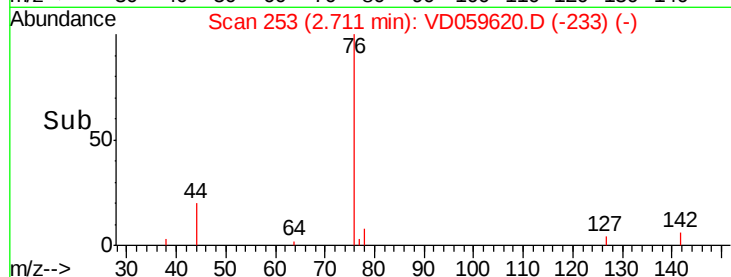
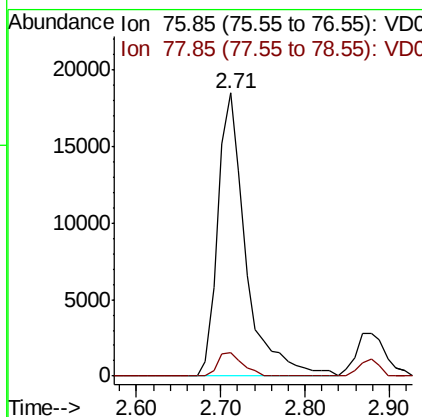
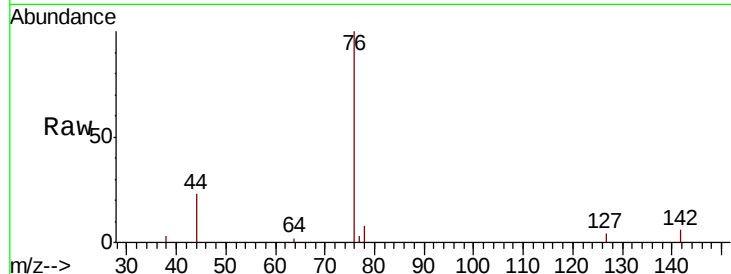




#17  
Carbon Disulfide  
Concen: 20.308 ug/l  
RT: 2.71 min Scan# 253  
Delta R.T. -0.00 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

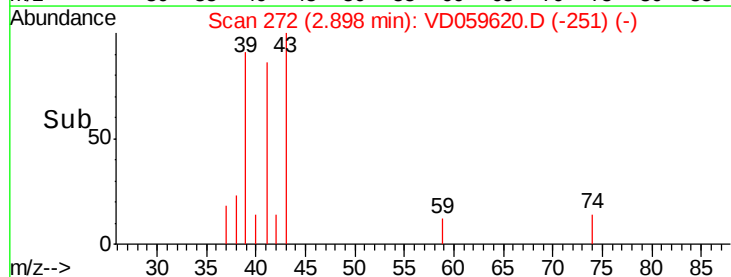
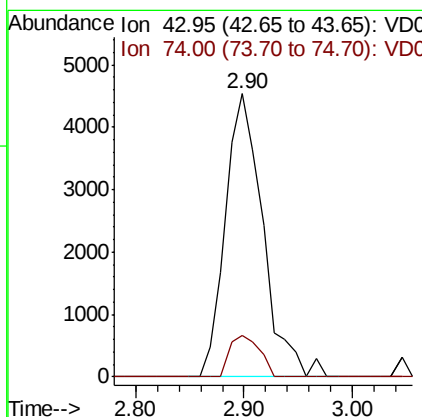
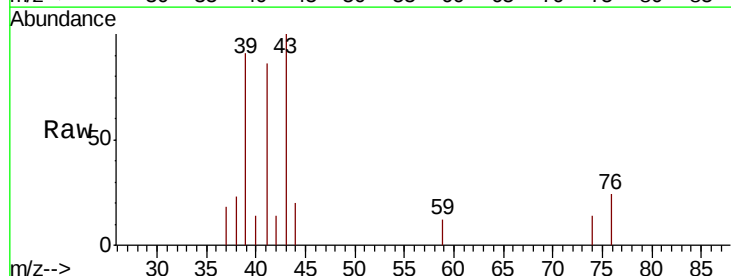
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBSD01

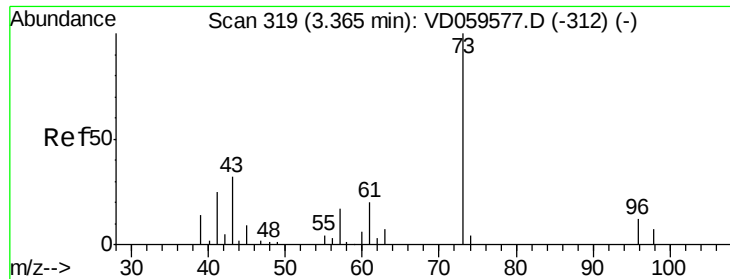
Tot Ion: 76 Resp: 42582  
Ion Ratio Lower Upper  
76 100  
78 8.2 6.8 10.2



#18  
Methyl Acetate  
Concen: 23.120 ug/l  
RT: 2.90 min Scan# 272  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 43 Resp: 10934  
Ion Ratio Lower Upper  
43 100  
74 14.5 13.0 19.4

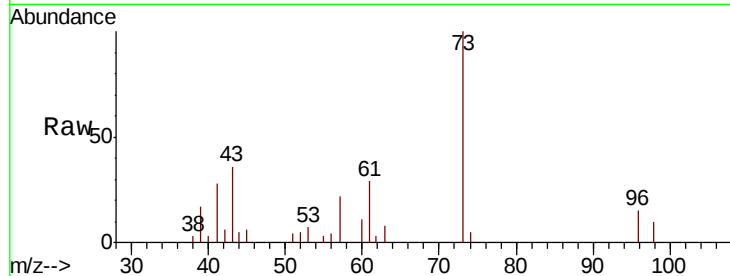




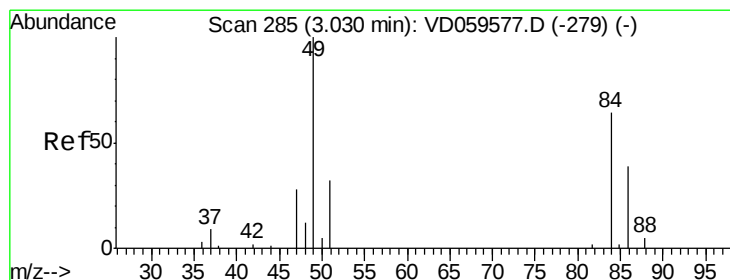
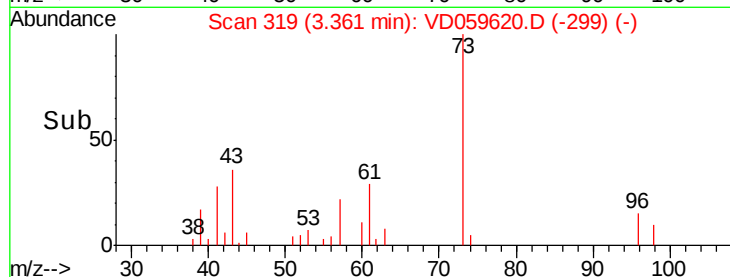
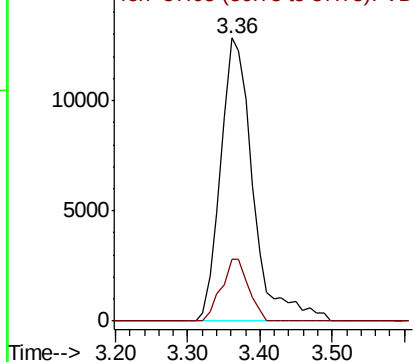
#19  
Methyl tert-butyl Ether  
Concen: 22.587 ug/l  
RT: 3.36 min Scan# 319  
Delta R.T. -0.00 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion: 73 Resp: 39967  
Ion Ratio Lower Upper  
73 100  
57 21.9 13.4 20.2#

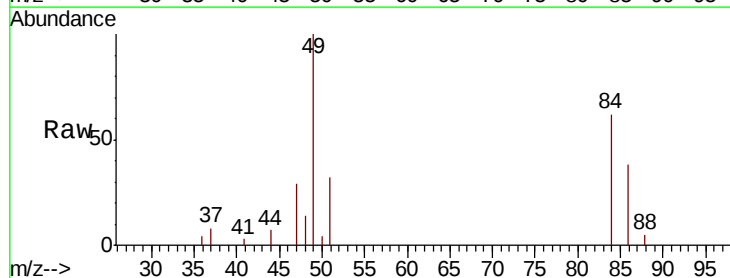


Abundance Ion 73.00 (72.70 to 73.70): VDC  
Ion 57.05 (56.75 to 57.75): VDC

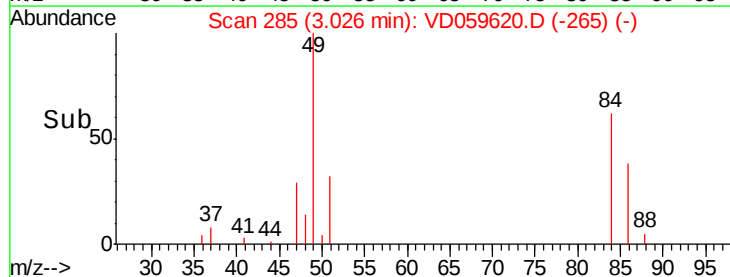
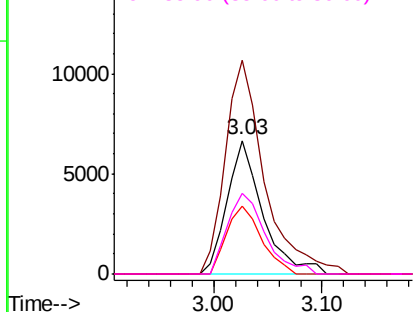


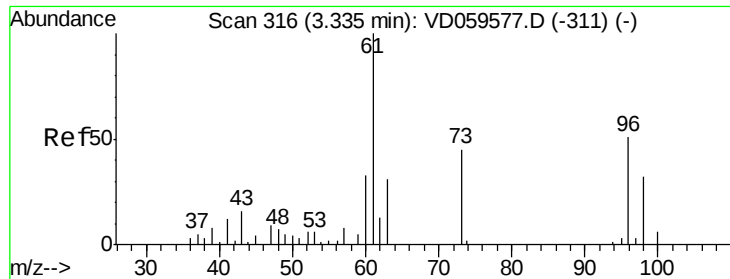
#20  
Methylene Chloride  
Concen: 22.618 ug/l  
RT: 3.03 min Scan# 285  
Delta R.T. -0.00 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 84 Resp: 15252  
Ion Ratio Lower Upper  
84 100  
49 160.3 125.4 188.2  
51 50.7 39.7 59.5  
86 60.9 49.1 73.7



Abundance Ion 83.95 (83.65 to 84.65): VDC  
Ion 48.90 (48.60 to 49.60): VDC  
Ion 50.90 (50.60 to 51.60): VDC  
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 23.471 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBS01

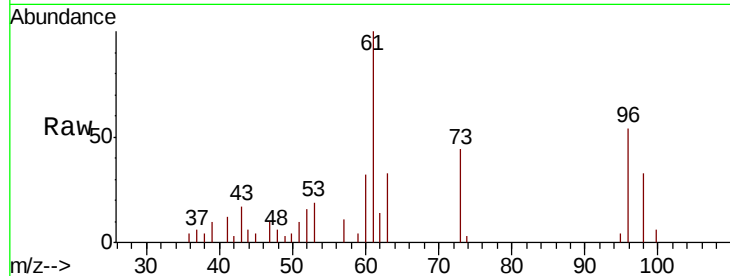
Tot Ion: 96 Resp: 13361

Ion Ratio Lower Upper

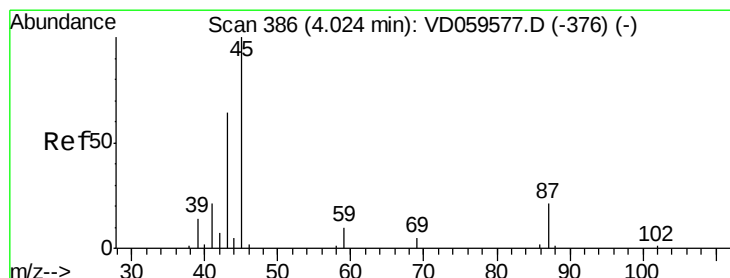
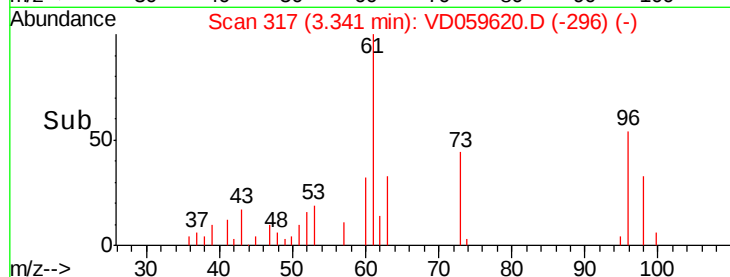
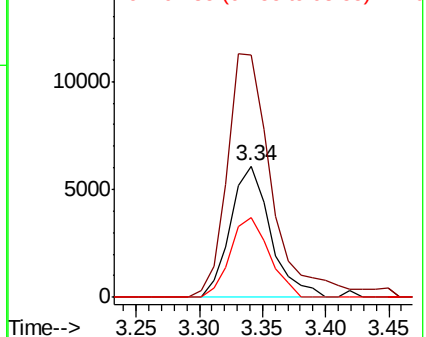
96 100

61 184.2 155.8 233.6

98 61.0 49.1 73.7



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: 21.977 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Tgt Ion: 45 Resp: 73971

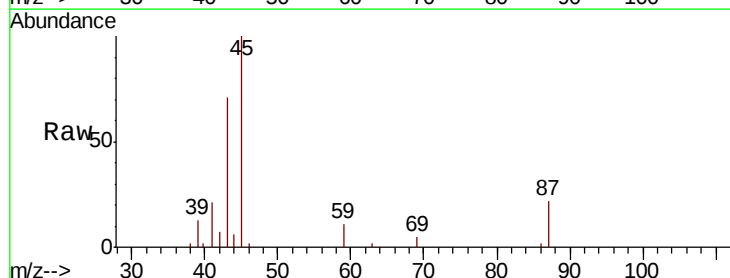
Ion Ratio Lower Upper

45 100

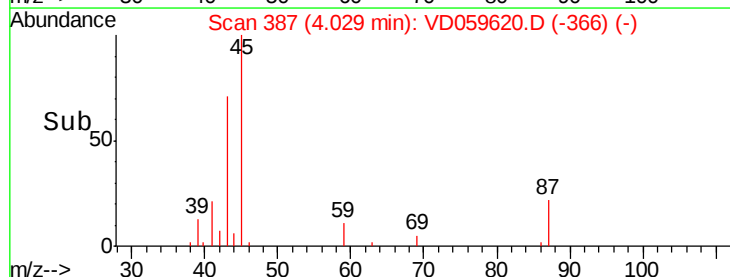
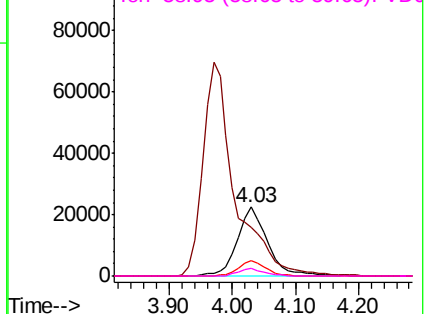
43 70.7 59.4 89.2

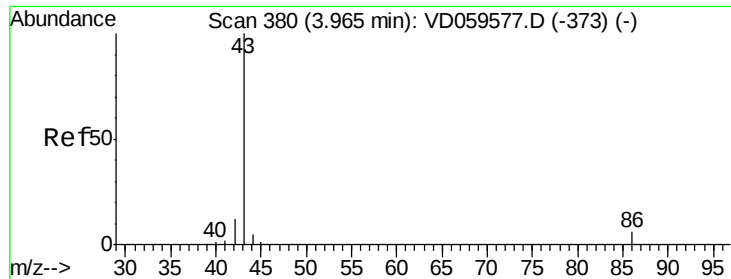
87 22.4 16.7 25.1

59 10.8 8.2 12.4



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

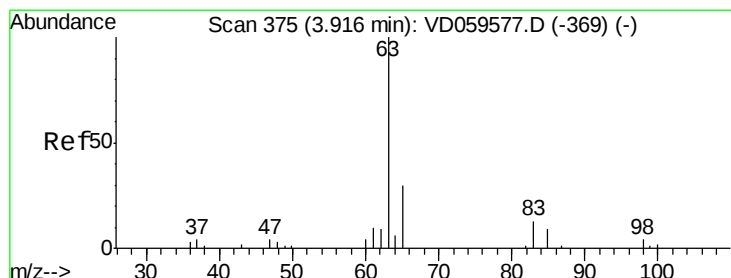
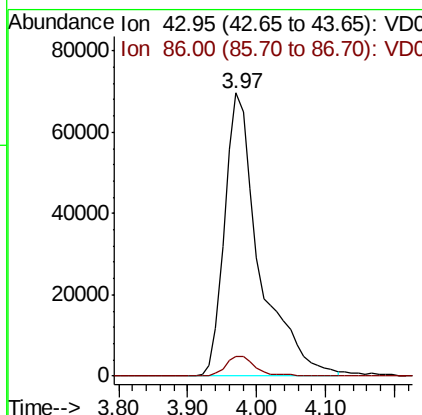
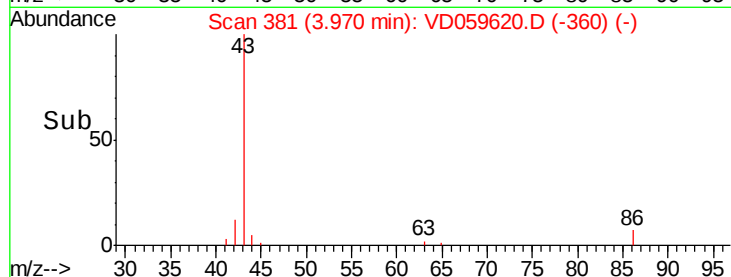
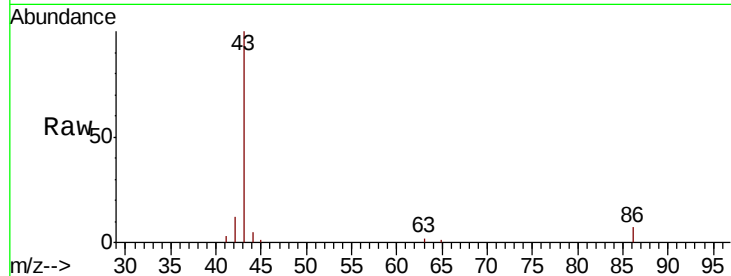




#23  
 Vinyl Acetate  
 Concen: 114.176 ug/l  
 RT: 3.97 min Scan# 381  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

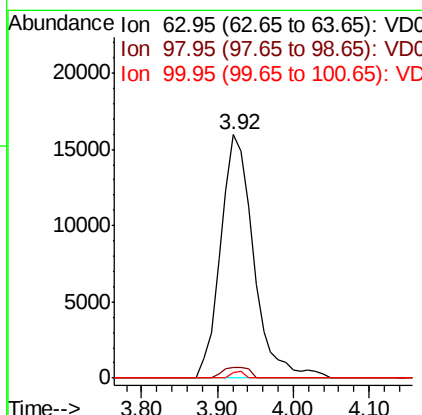
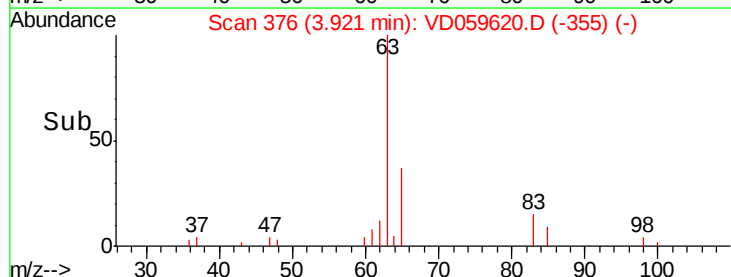
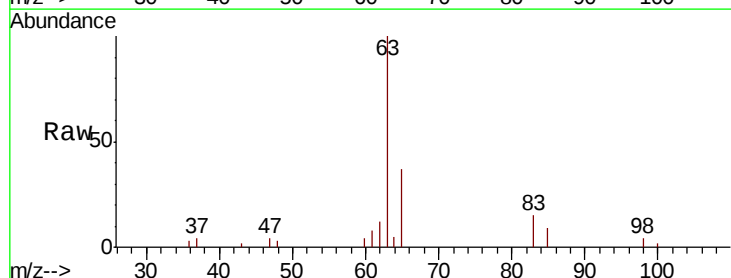
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBS01

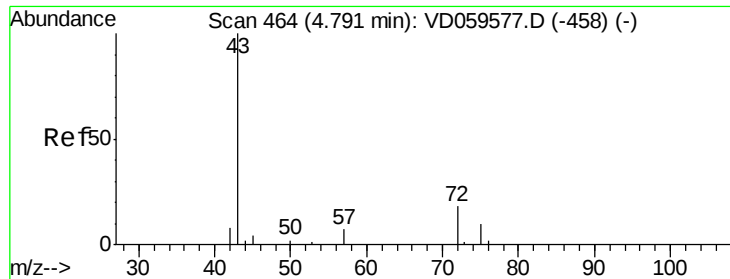
Tot Ion: 43 Resp: 243905  
 Ion Ratio Lower Upper  
 43 100  
 86 6.9 5.1 7.7



#24  
 1,1-Dichloroethane  
 Concen: 22.789 ug/l  
 RT: 3.92 min Scan# 376  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion: 63 Resp: 48424  
 Ion Ratio Lower Upper  
 63 100  
 98 4.4 1.8 5.5  
 100 2.3 1.1 3.3





#25

2-Butanone

Concen: 105.301 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

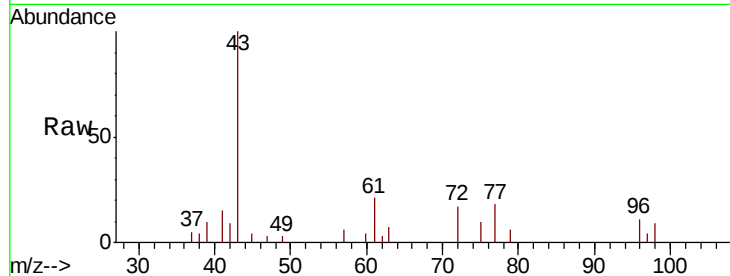
VD0727SBS01

Tot Ion: 43 Resp: 37977

Ion Ratio Lower Upper

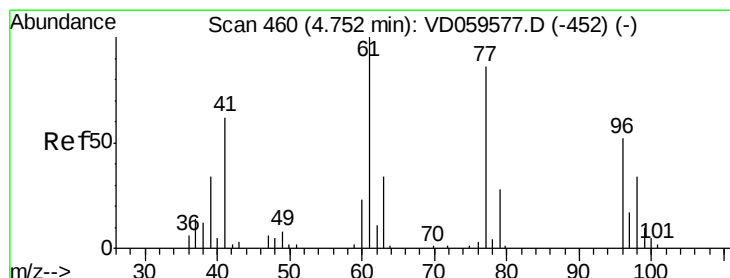
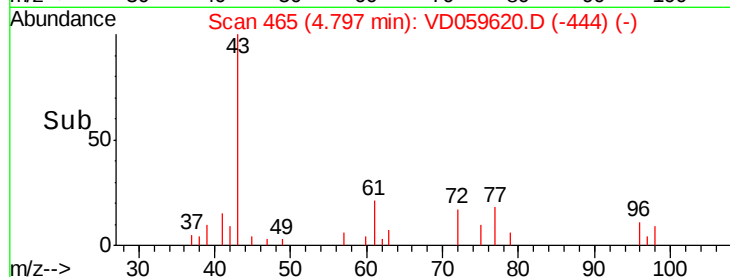
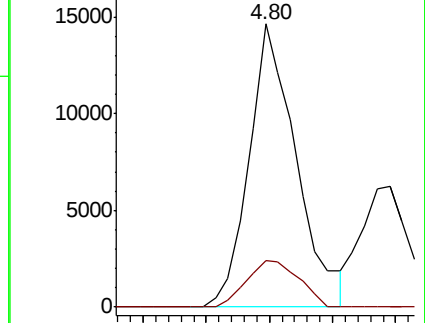
43 100

72 16.5 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.931 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.01 min

Lab File: VD059620.D

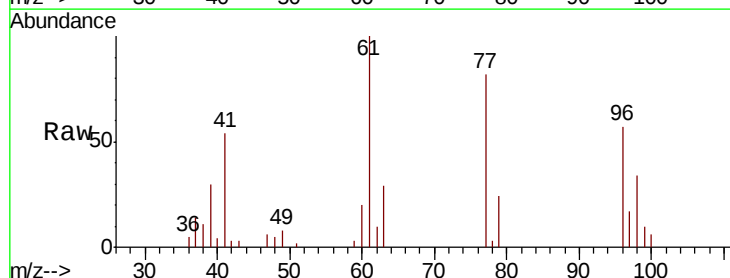
Acq: 27 Jul 2018 19:21

Tgt Ion: 77 Resp: 47725

Ion Ratio Lower Upper

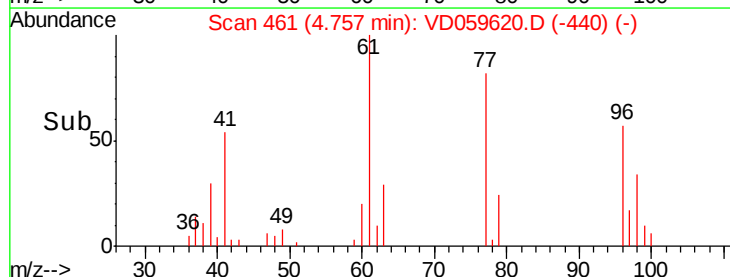
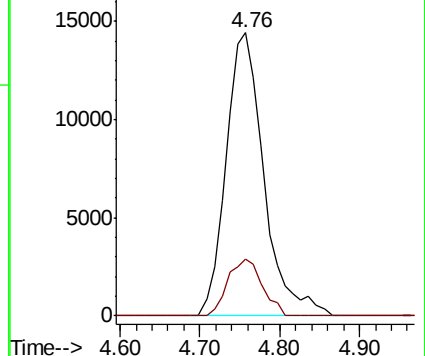
77 100

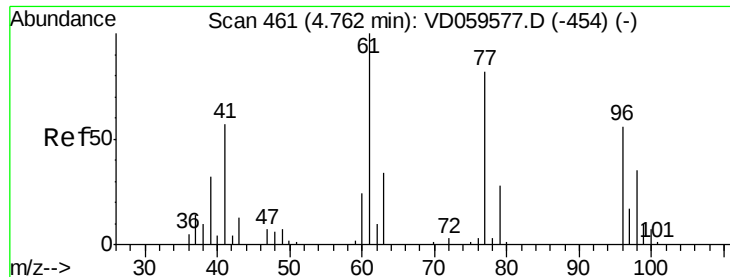
97 20.2 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



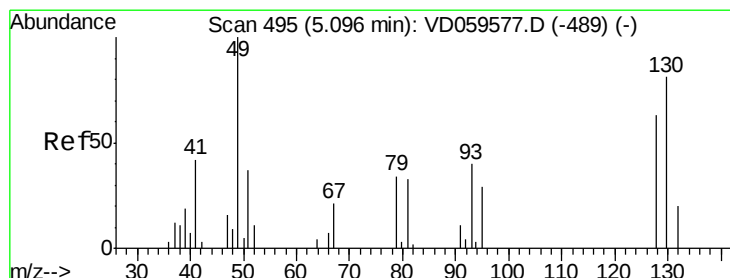
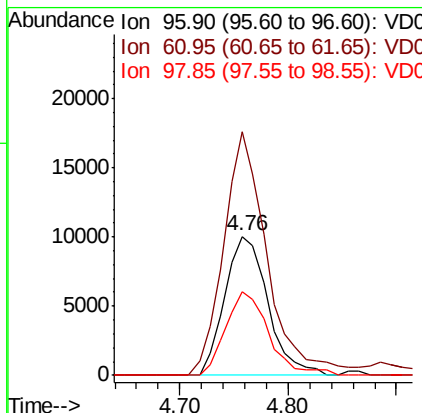
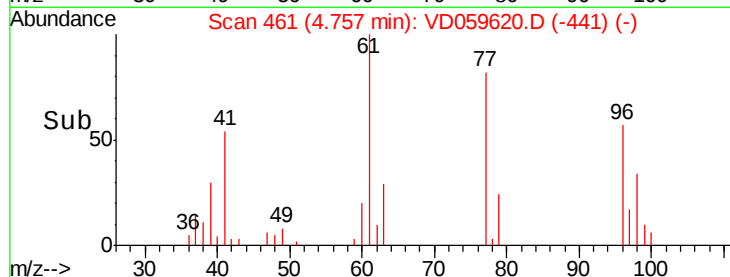
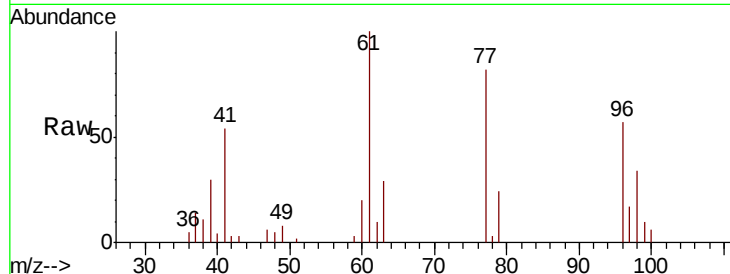


#27

cis-1,2-Dichloroethene  
 Concen: 24.377 ug/l  
 RT: 4.76 min Scan# 461  
 Delta R.T. -0.00 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBSD01

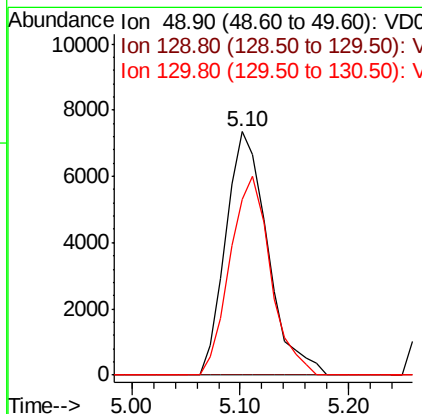
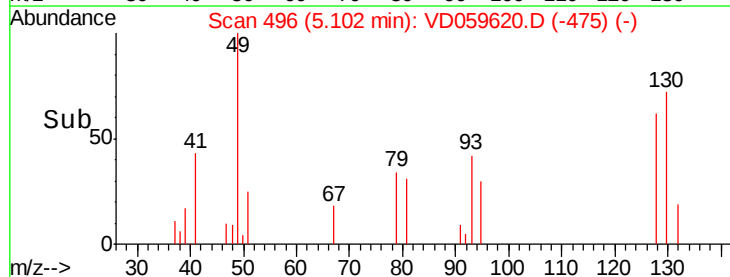
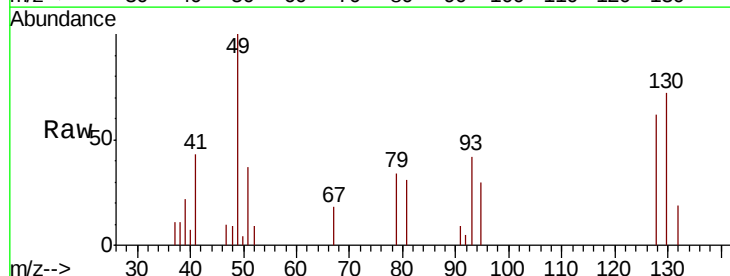
Tot Ion: 96 Resp: 27718  
 Ion Ratio Lower Upper  
 96 100  
 61 175.2 0.0 355.0  
 98 60.0 0.0 125.8

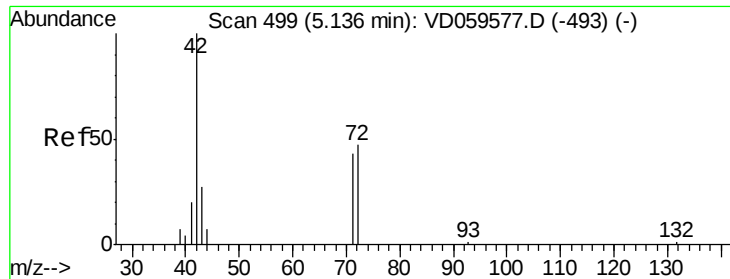


#28

Bromochloromethane  
 Concen: 23.463 ug/l  
 RT: 5.10 min Scan# 496  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion: 49 Resp: 19727  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 0.0  
 130 72.4 64.6 96.8

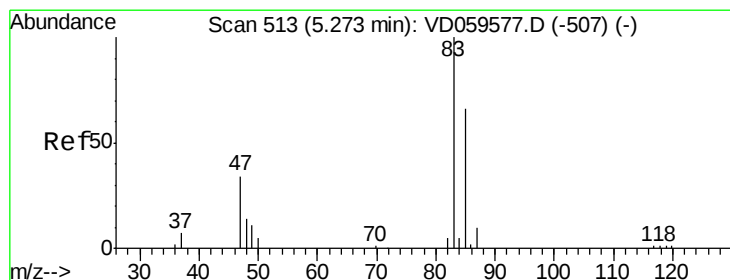
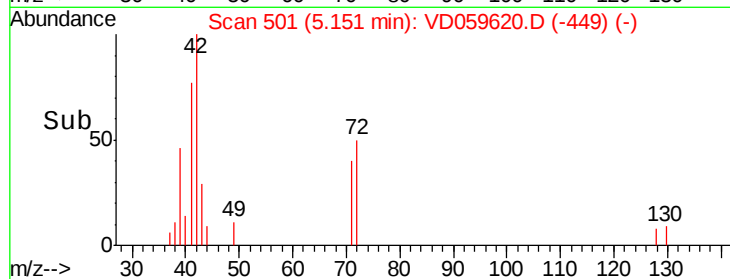
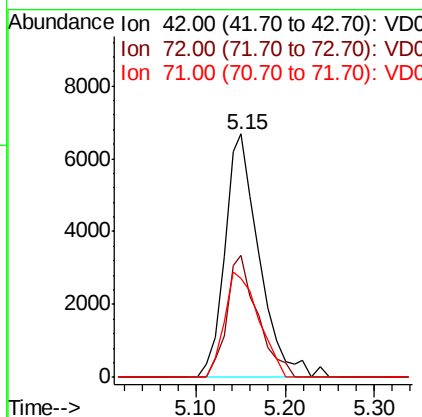
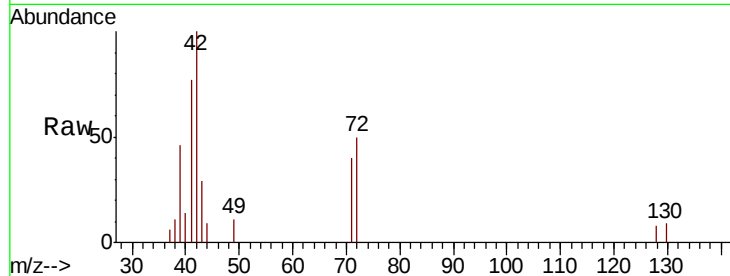




#29  
Tetrahydrofuran  
Concen: 107.772 ug/l  
RT: 5.15 min Scan# 501  
Delta R.T. 0.02 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

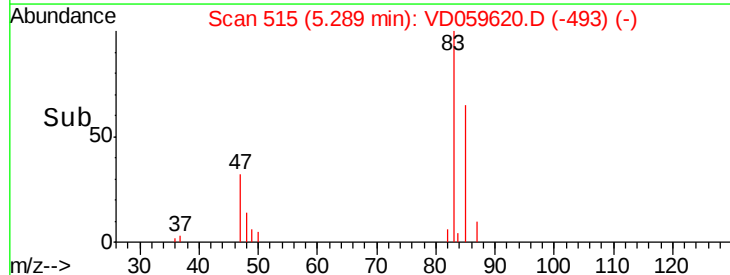
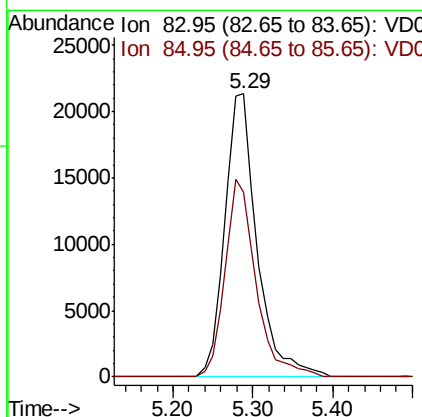
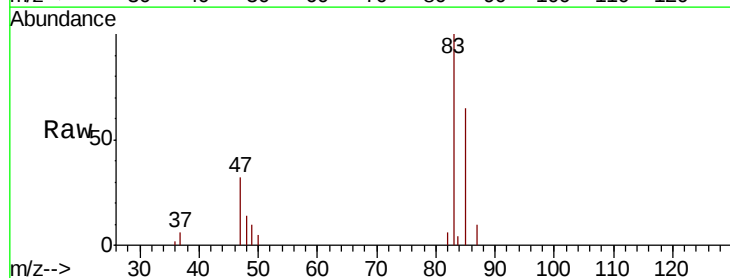
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBSD01

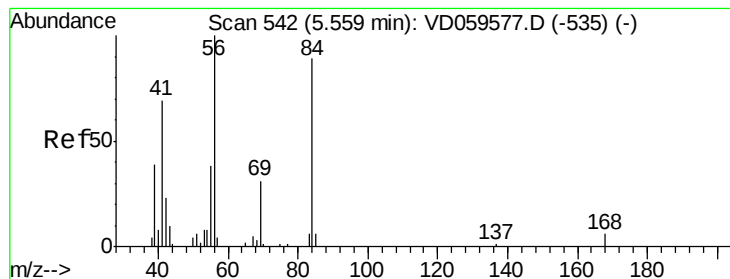
Tot Ion: 42 Resp: 17997  
Ion Ratio Lower Upper  
42 100  
72 44.8 35.0 52.4  
71 42.7 34.2 51.2



#30  
Chloroform  
Concen: 23.780 ug/l  
RT: 5.29 min Scan# 515  
Delta R.T. 0.02 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 83 Resp: 60434  
Ion Ratio Lower Upper  
83 100  
85 65.1 53.0 79.6





#31

Cvclohexane

Concen: 19.058 ug/l

RT: 5.54 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBS01

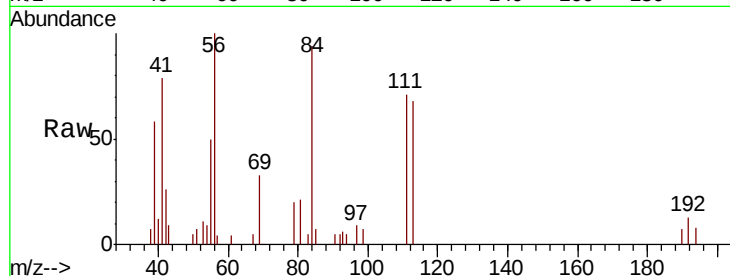
Tot Ion: 56 Resp: 30687

Ion Ratio Lower Upper

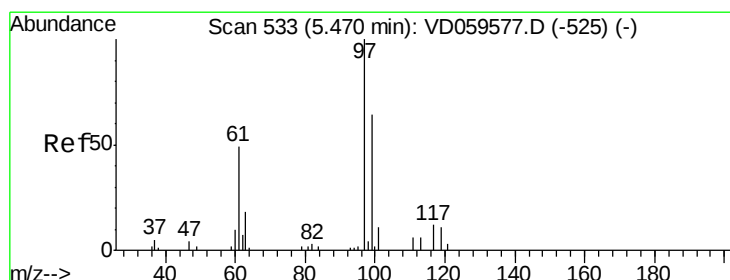
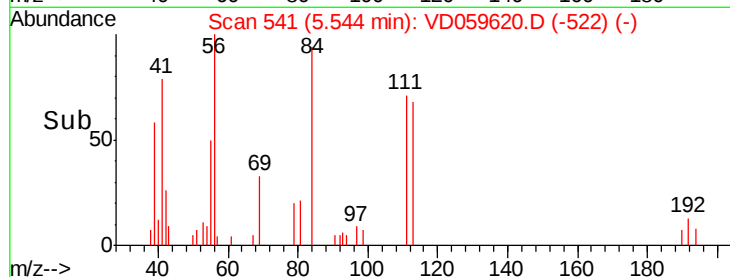
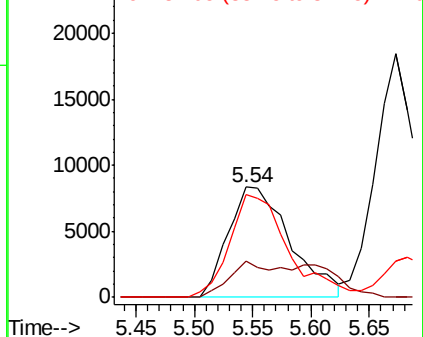
56 100

69 33.3 24.6 37.0

84 94.1 72.7 109.1



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: 22.252 ug/l

RT: 5.48 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

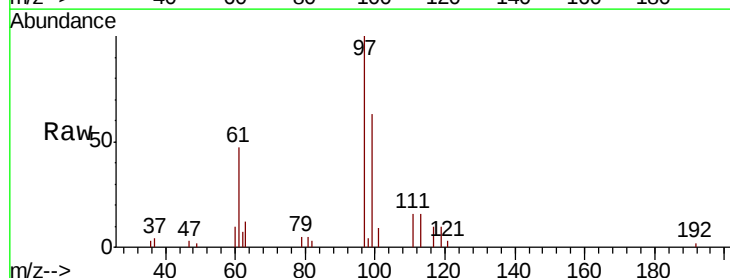
Tgt Ion: 97 Resp: 54750

Ion Ratio Lower Upper

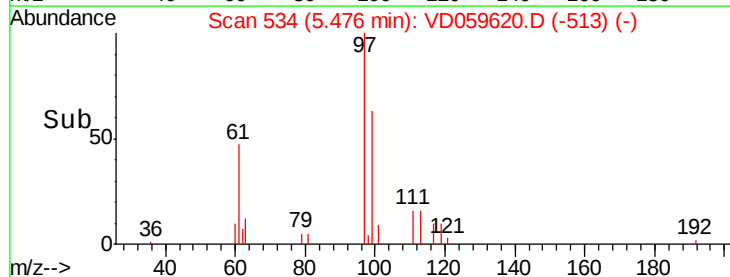
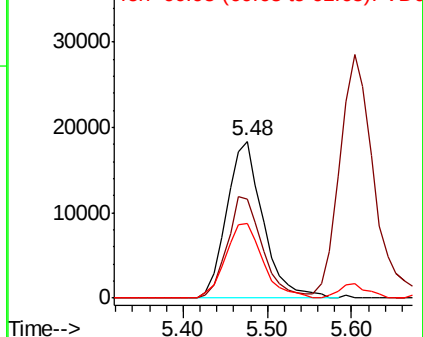
97 100

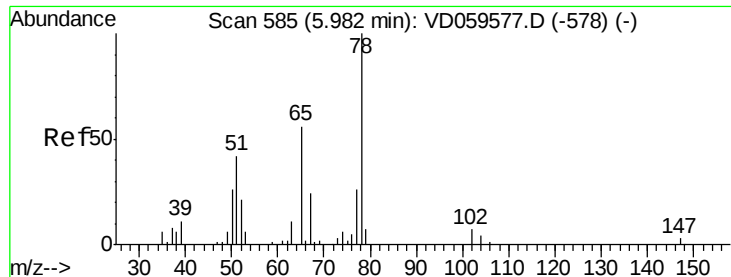
99 62.9 50.9 76.3

61 47.5 39.2 58.8



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: 22.252 ug/l

RT: 5.99 min Scan# 586

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

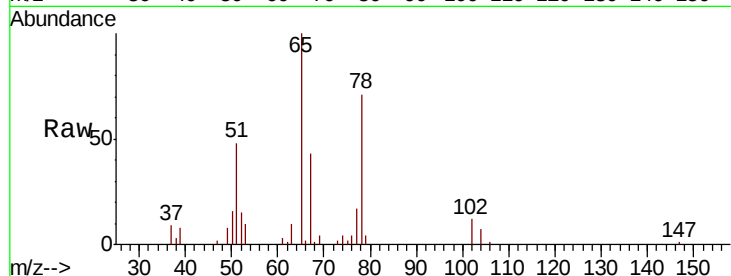
VD0727SBS01

Tot Ion: 65 Resp: 87474

Ion Ratio Lower Upper

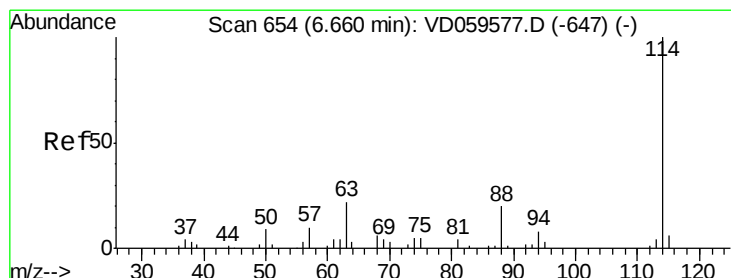
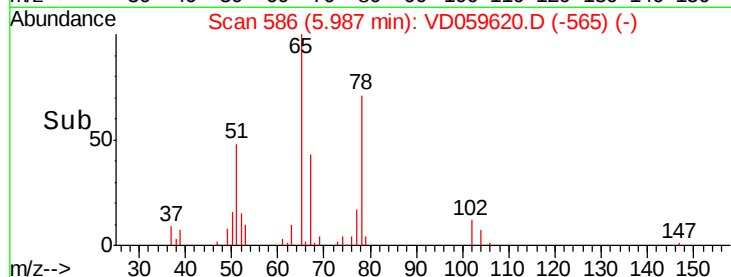
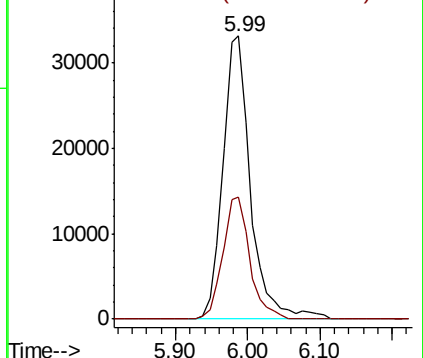
65 100

67 43.3 0.0 86.4



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: 6.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

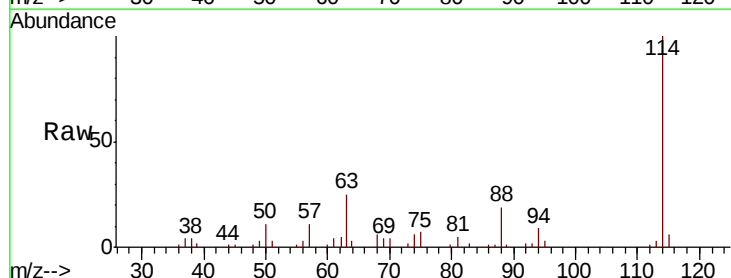
Tgt Ion: 114 Resp: 161632

Ion Ratio Lower Upper

114 100

63 24.8 0.0 43.8

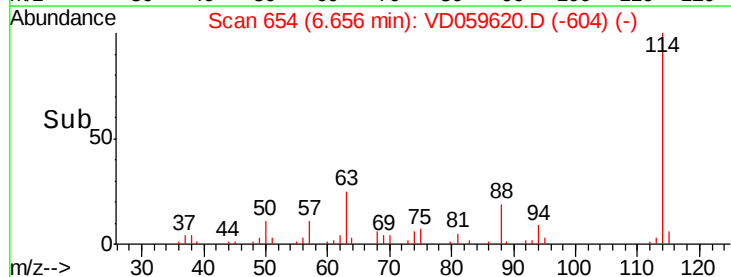
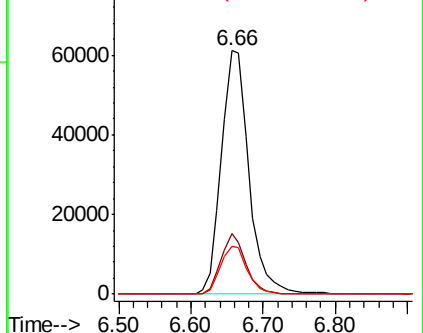
88 19.4 0.0 39.0

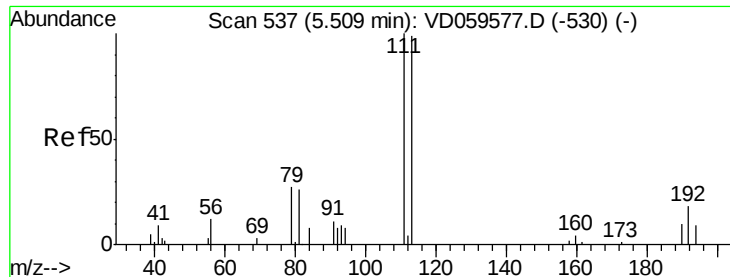


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 5.51 min Scan# 538

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBSD01

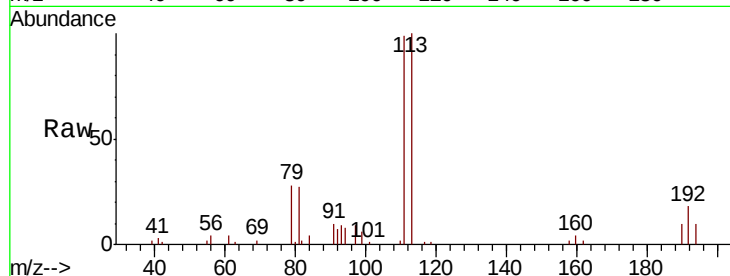
Tot Ion:113 Resp: 79513

Ion Ratio Lower Upper

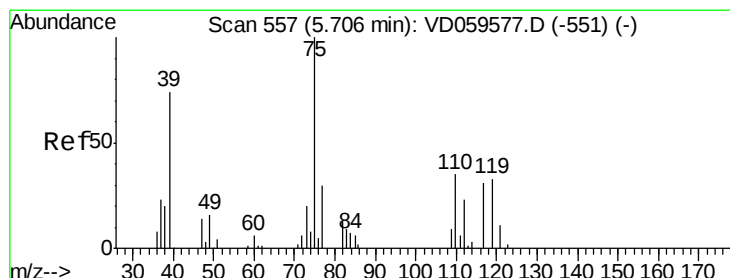
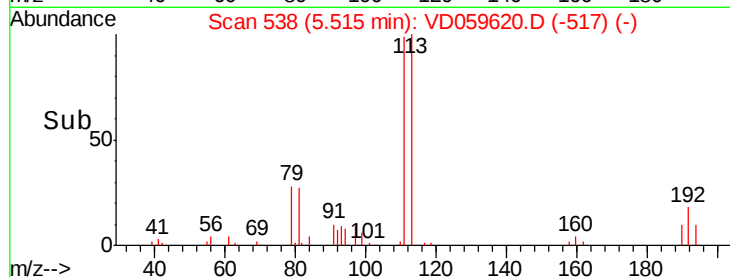
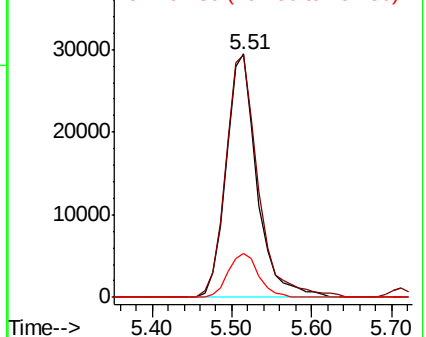
113 100

111 99.5 80.5 120.7

192 18.2 14.5 21.7



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: 23.633 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

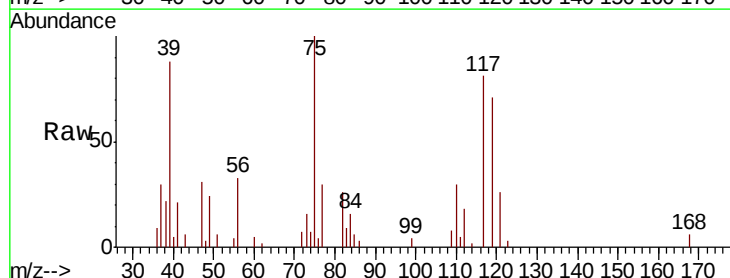
Tgt Ion: 75 Resp: 38331

Ion Ratio Lower Upper

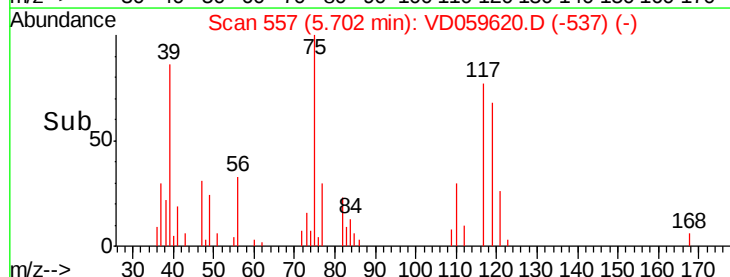
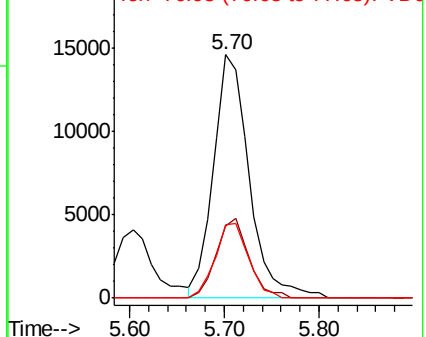
75 100

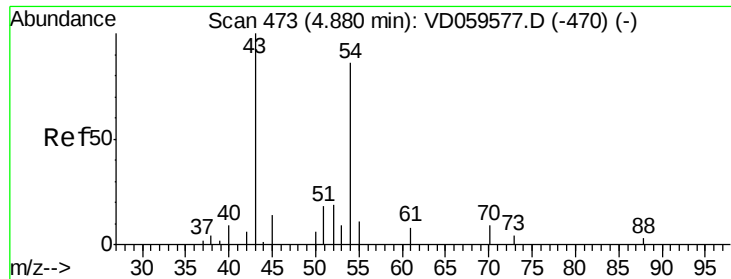
110 29.8 17.0 50.9

77 29.9 23.6 35.4



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

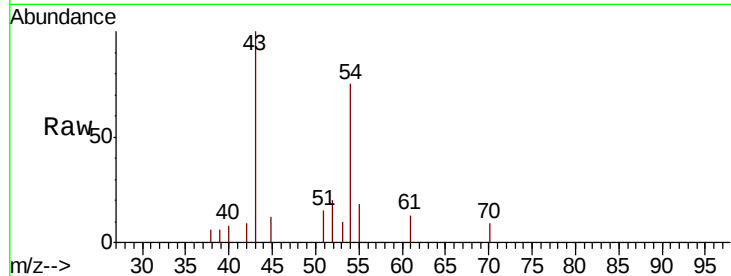




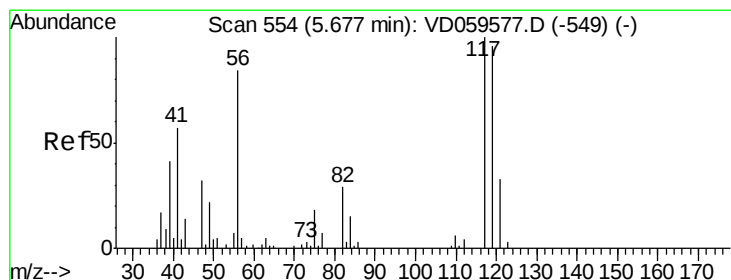
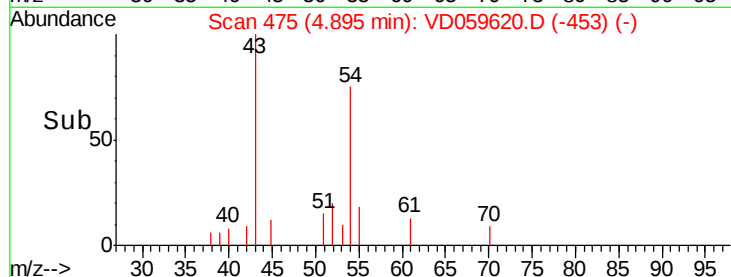
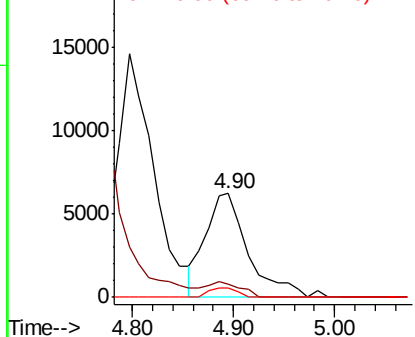
#37  
Ethyl Acetate  
Concen: 22.090 ug/l  
RT: 4.90 min Scan# 475  
Delta R.T. 0.02 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion: 43 Resp: 18430  
Ion Ratio Lower Upper  
43 100  
61 13.0 10.7 16.1  
70 9.2 5.4 8.0#

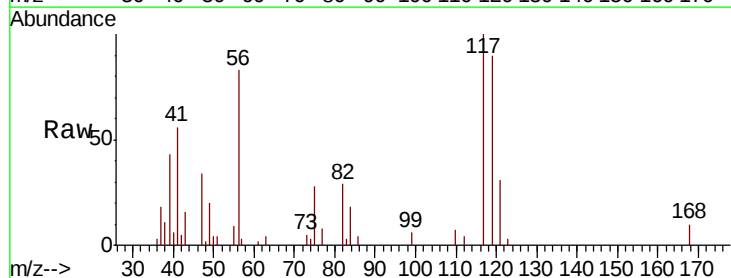


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

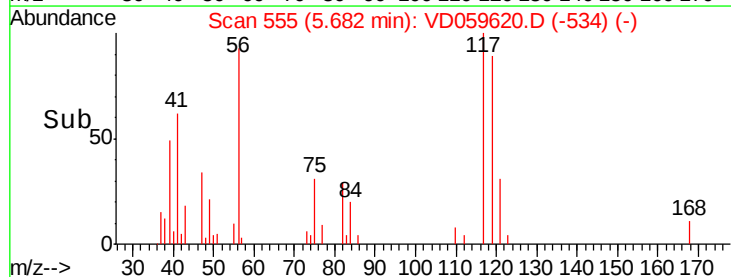
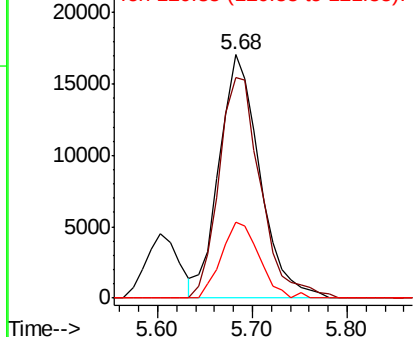


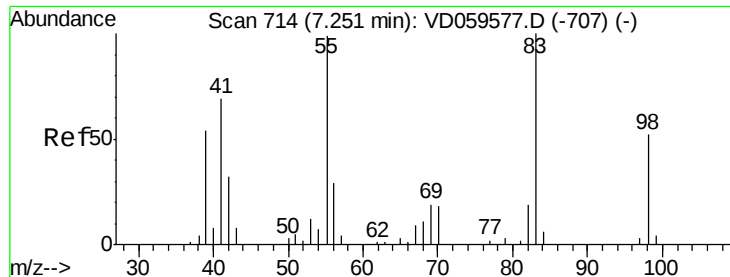
#38  
Carbon Tetrachloride  
Concen: 22.875 ug/l  
RT: 5.68 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 117 Resp: 50804  
Ion Ratio Lower Upper  
117 100  
119 90.5 73.6 110.4  
121 31.3 25.0 37.6



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 118.85 (118.55 to 119.55): V  
Ion 120.85 (120.55 to 121.55): V

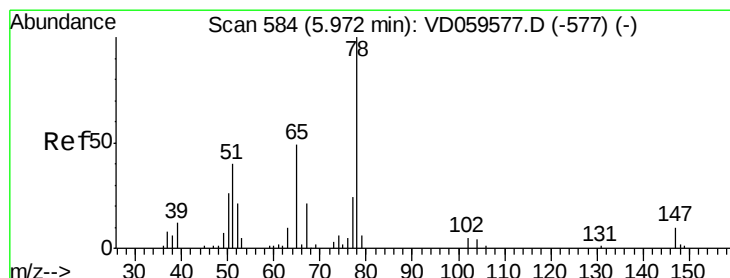
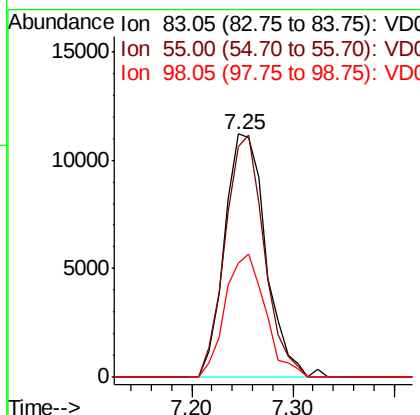
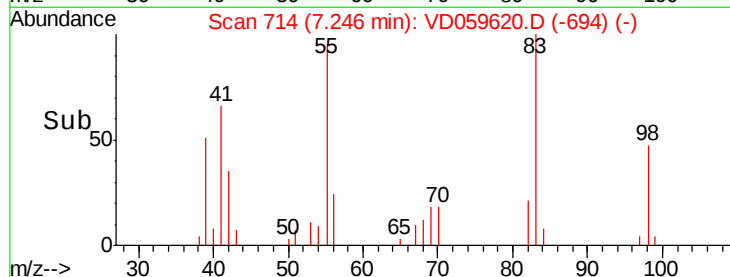
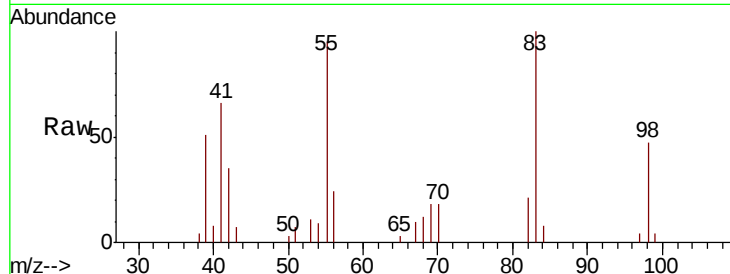




#39  
Methylcyclohexane  
Concen: 21.316 ug/l  
RT: 7.25 min Scan# 714  
Delta R.T. -0.00 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

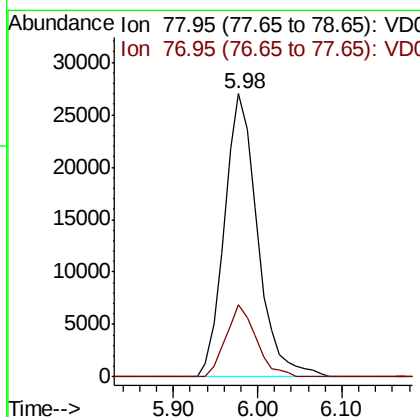
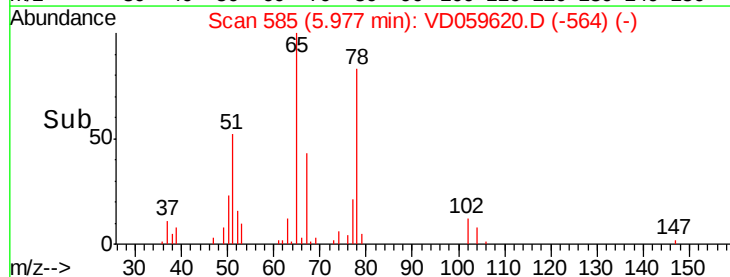
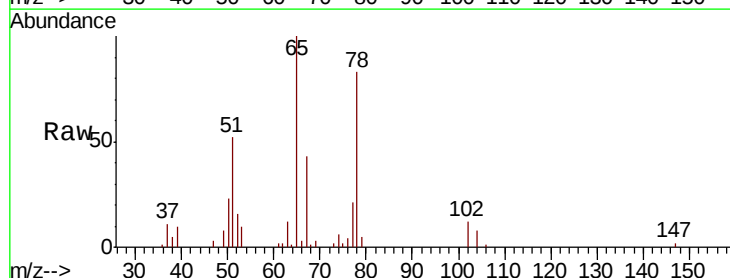
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

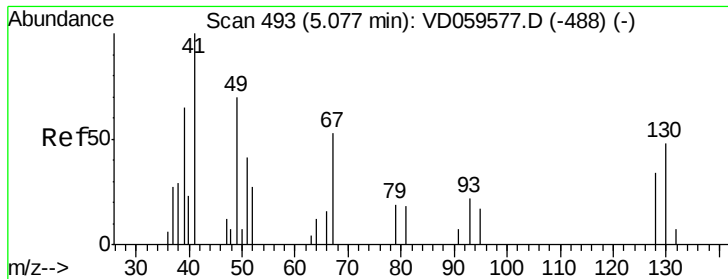
Tot Ion: 83 Resp: 31792  
Ion Ratio Lower Upper  
83 100  
55 94.8 79.4 119.0  
98 47.1 41.6 62.4



#40  
Benzene  
Concen: 22.177 ug/l  
RT: 5.98 min Scan# 585  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 78 Resp: 73762  
Ion Ratio Lower Upper  
78 100  
77 25.7 19.0 28.6





#41

Methacrylonitrile

Concen: 22.798 ug/l

RT: 5.08 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBS01

Tot Ion: 41 Resp: 9492

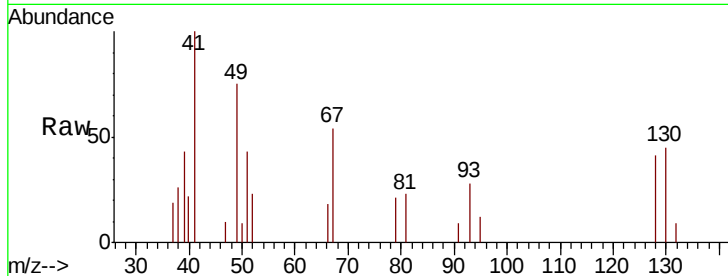
Ion Ratio Lower Upper

41 100

39 42.7 52.1 78.1#

67 53.7 42.5 63.7

52 22.9 21.8 32.8

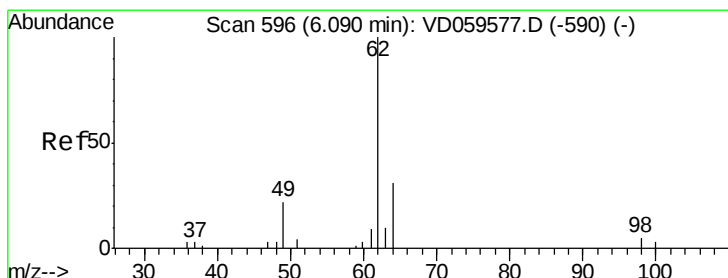
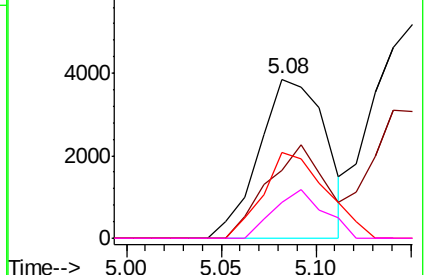
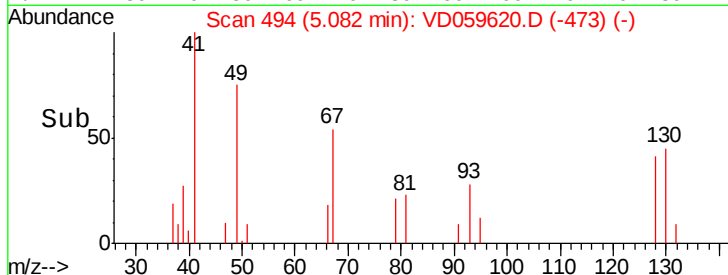


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 22.681 ug/l

RT: 6.10 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD059620.D

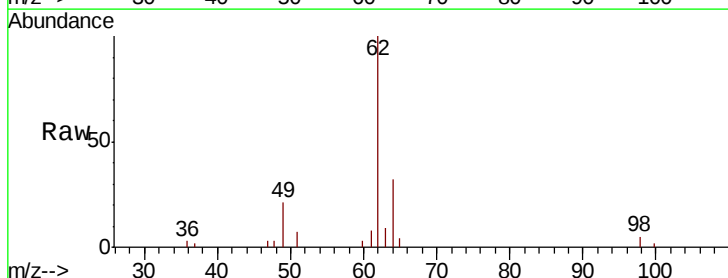
Acq: 27 Jul 2018 19:21

Tgt Ion: 62 Resp: 45452

Ion Ratio Lower Upper

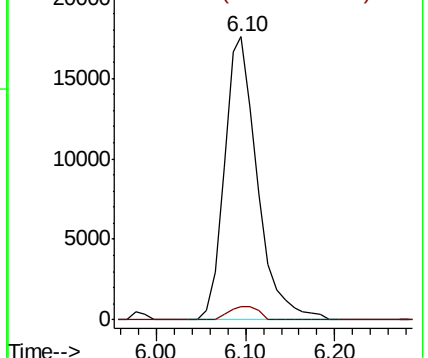
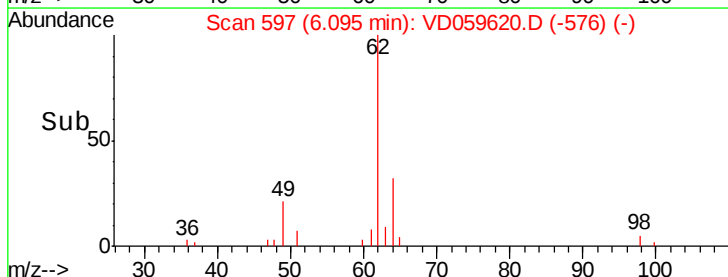
62 100

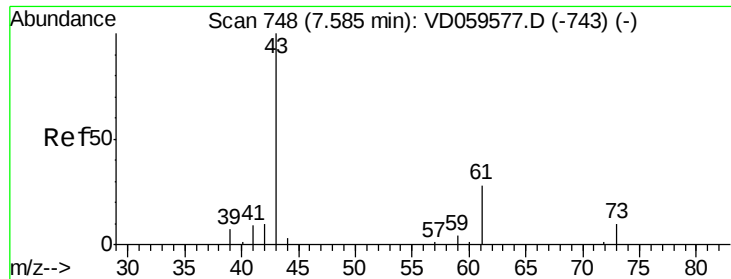
98 4.8 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

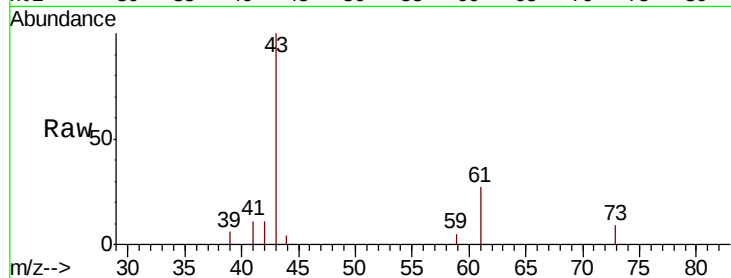




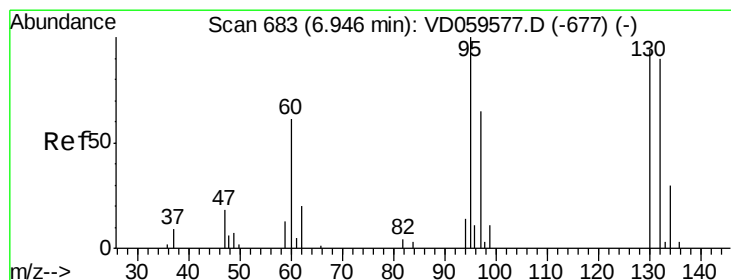
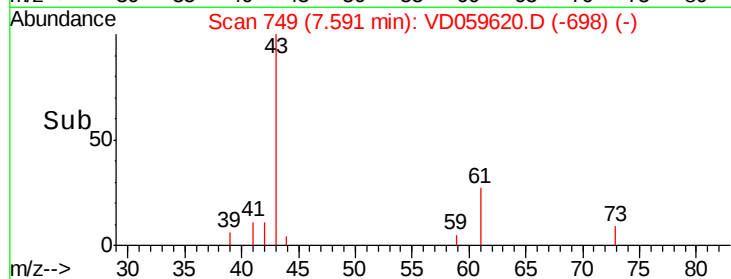
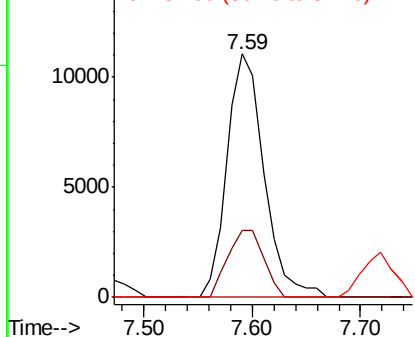
#43  
Isopropyl Acetate  
Concen: 22.734 ug/l  
RT: 7.59 min Scan# 749  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion: 43 Resp: 26302  
Ion Ratio Lower Upper  
43 100  
61 27.4 22.0 33.0  
87 0.0 0.0 0.0

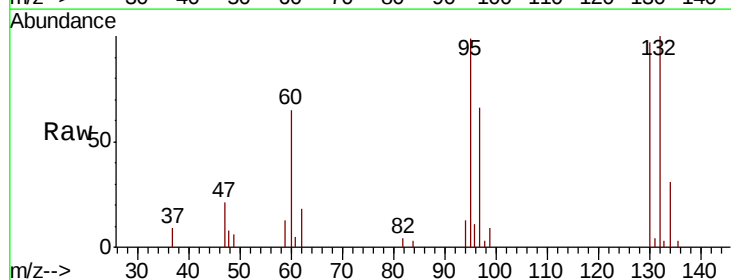


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 87.00 (86.70 to 87.70): VDC

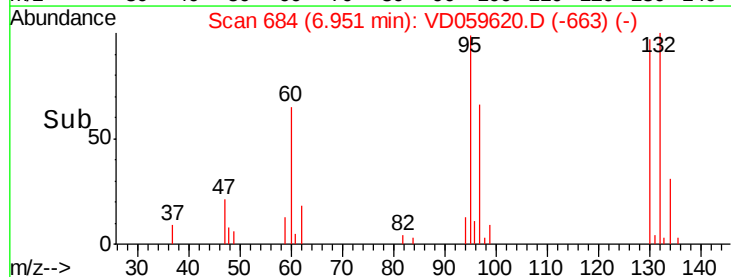
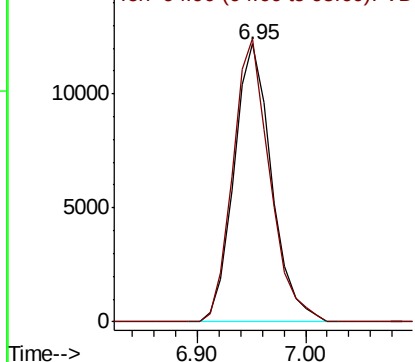


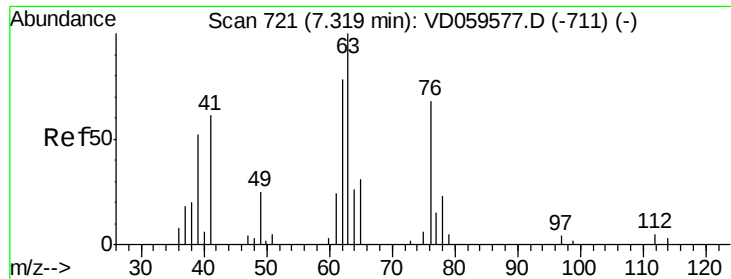
#44  
Trichloroethene  
Concen: 24.351 ug/l  
RT: 6.95 min Scan# 684  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion:130 Resp: 29376  
Ion Ratio Lower Upper  
130 100  
95 101.8 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 19.757 ug/l

RT: 7.32 min Scan# 722

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

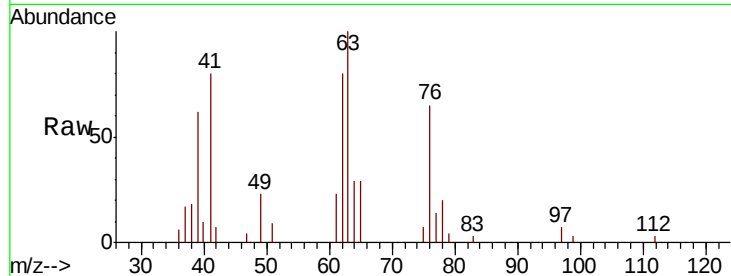
VD0727SBS01

Tot Ion: 63 Resp: 18402

Ion Ratio Lower Upper

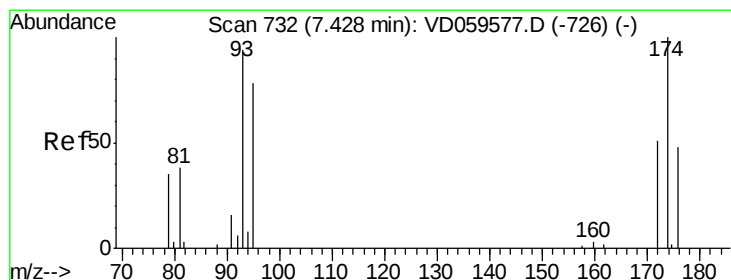
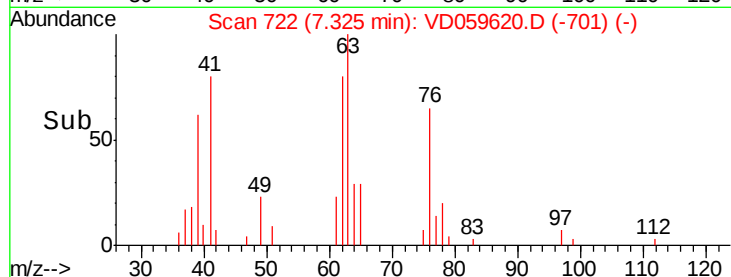
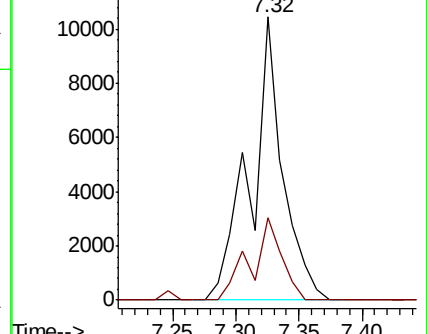
63 100

65 29.0 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.678 ug/l

RT: 7.43 min Scan# 733

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

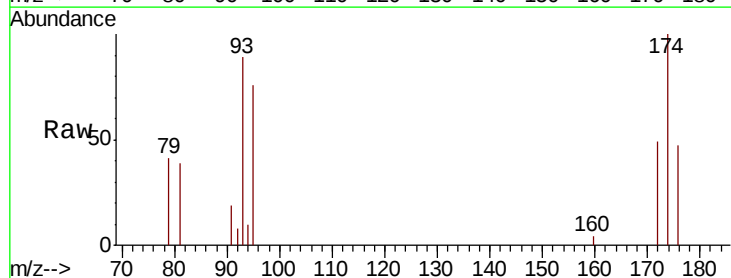
Tgt Ion: 93 Resp: 17854

Ion Ratio Lower Upper

93 100

95 85.9 65.8 98.8

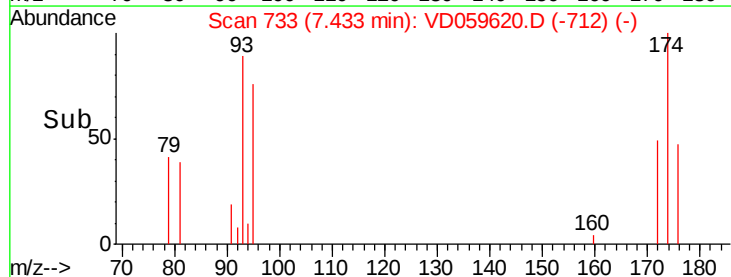
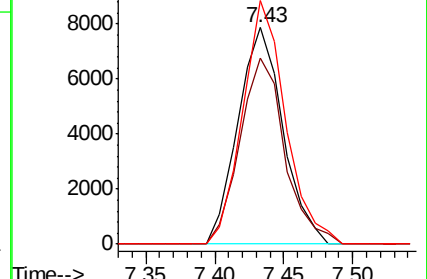
174 112.4 84.7 127.1

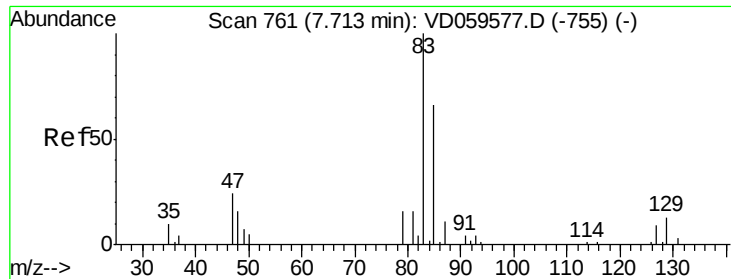


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 23.558 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBSD01

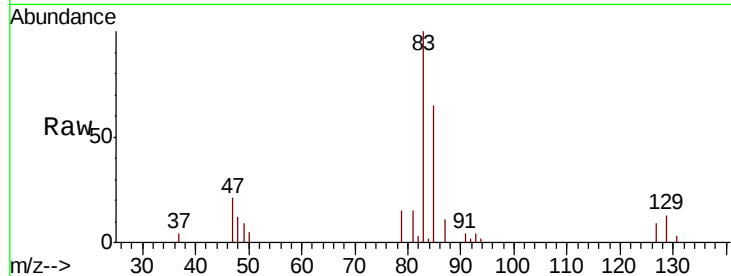
Tot Ion: 83 Resp: 44298

Ion Ratio Lower Upper

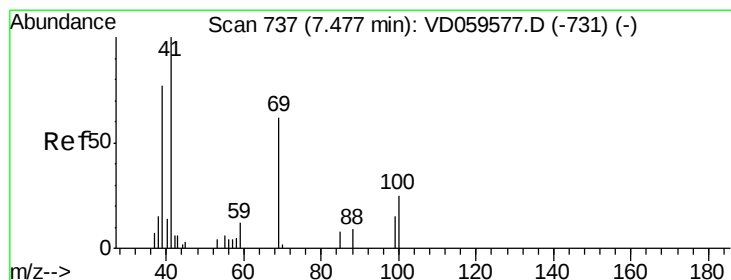
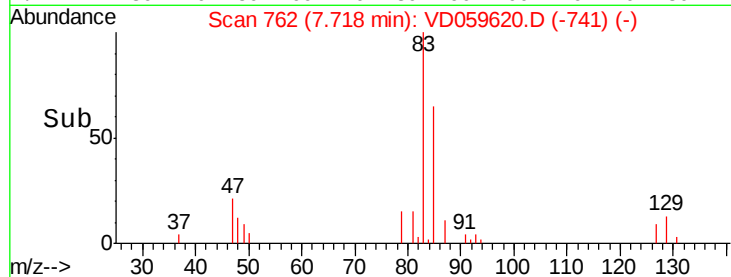
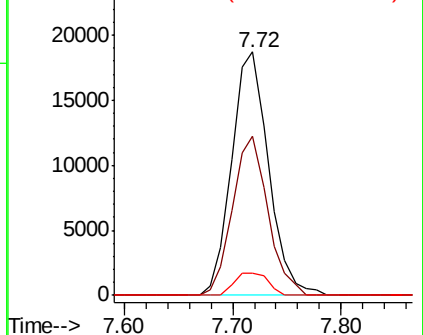
83 100

85 65.2 53.1 79.7

127 8.9 7.4 11.0



Abundance Ion 82.85 (82.55 to 83.55): VDC  
Ion 84.95 (84.65 to 85.65): VDC  
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 21.636 ug/l

RT: 7.47 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

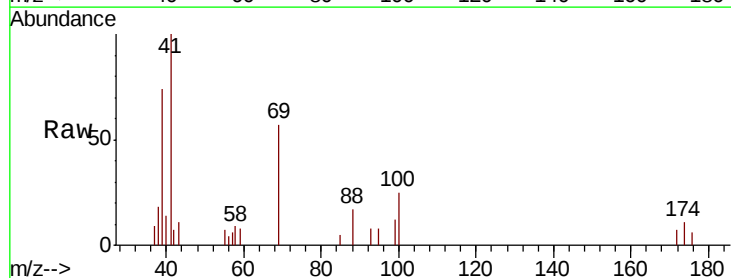
Tgt Ion: 41 Resp: 16600

Ion Ratio Lower Upper

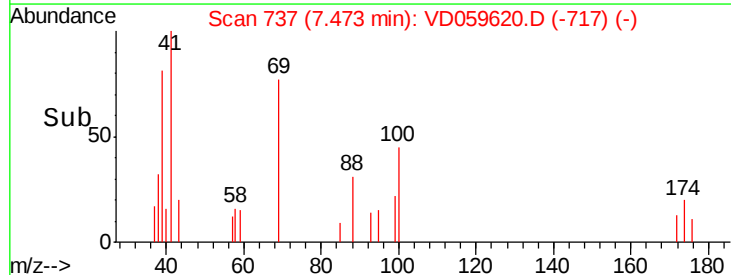
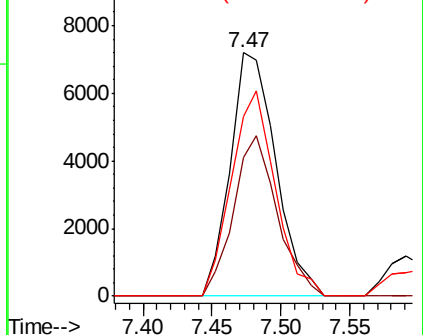
41 100

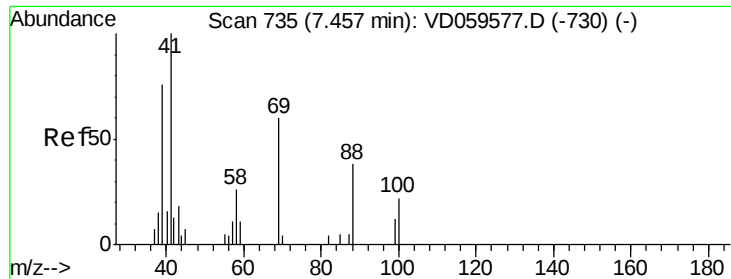
69 57.0 49.4 74.0

39 73.5 61.3 91.9



Abundance Ion 40.95 (40.65 to 41.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 38.95 (38.65 to 39.65): VDC

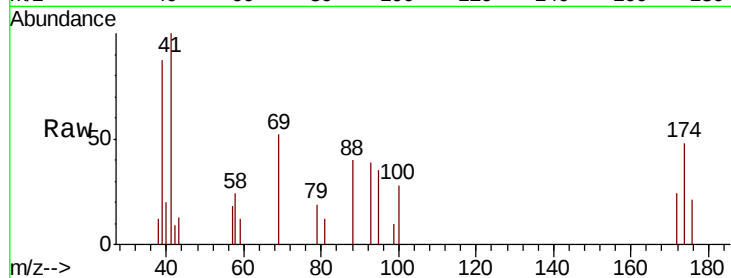




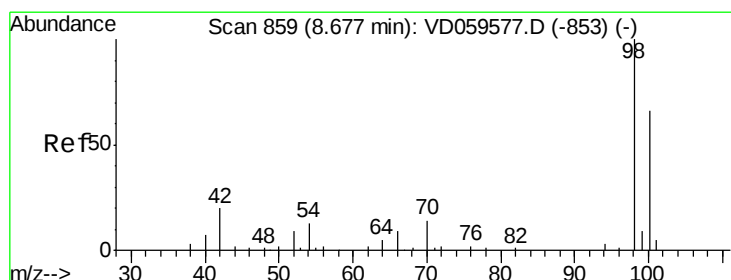
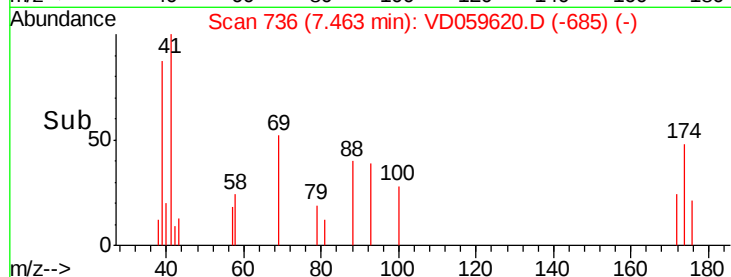
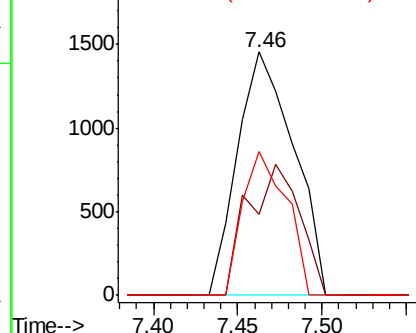
#49  
1,4-Dioxane  
Concen: 480.509 ug/l  
RT: 7.46 min Scan# 736  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion: 88 Resp: 3364  
Ion Ratio Lower Upper  
88 100  
43 33.4 37.4 56.2#  
58 59.1 55.6 83.4

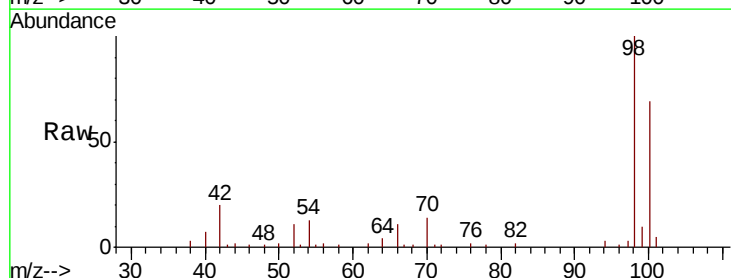


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

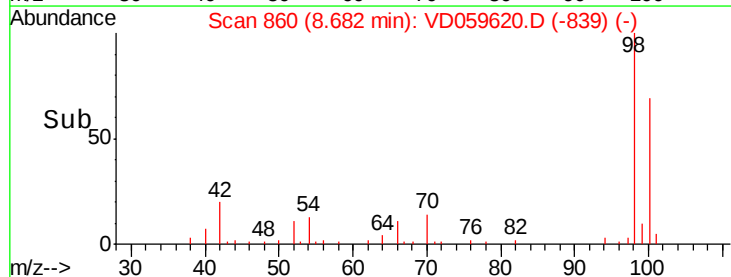
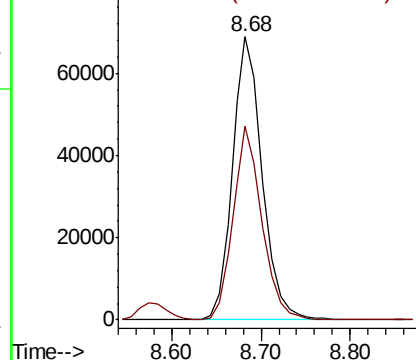


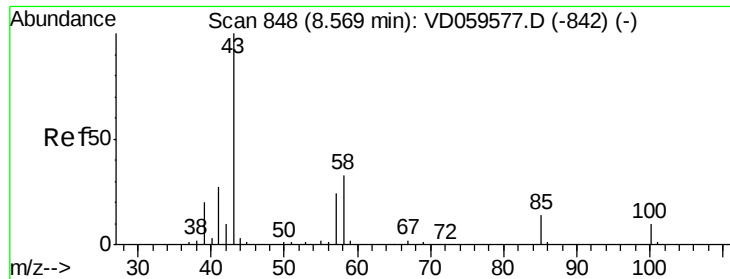
#50  
Toluene-d8  
Concen: 480.509 ug/l  
RT: 8.68 min Scan# 860  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 98 Resp: 159800  
Ion Ratio Lower Upper  
98 100  
100 68.5 53.2 79.8



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: 111.368 ug/l

RT: 8.57 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

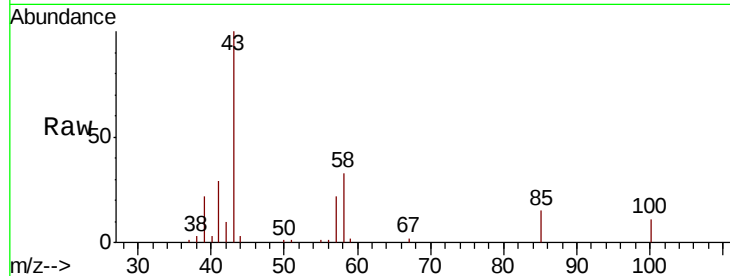
VD0727SBS01

Tot Ion: 43 Resp: 86039

Ion Ratio Lower Upper

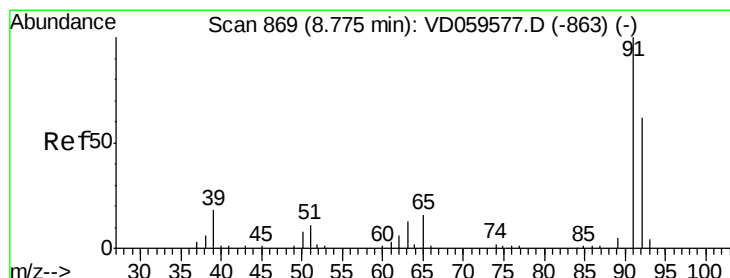
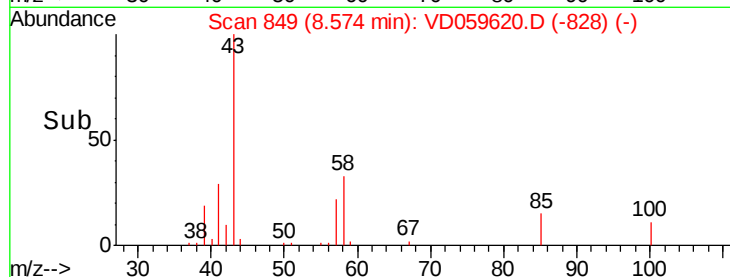
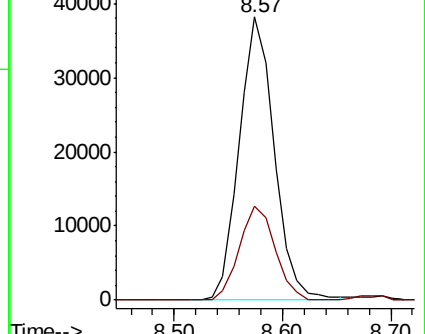
43 100

58 33.0 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.655 ug/l

RT: 8.78 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059620.D

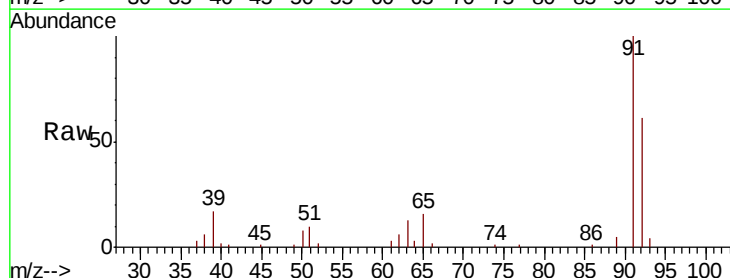
Acq: 27 Jul 2018 19:21

Tgt Ion: 92 Resp: 49965

Ion Ratio Lower Upper

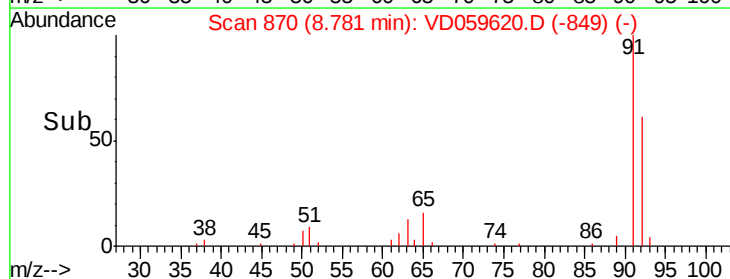
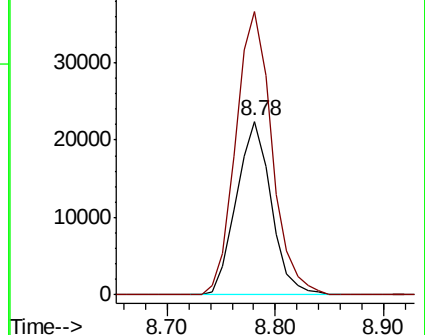
92 100

91 162.8 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

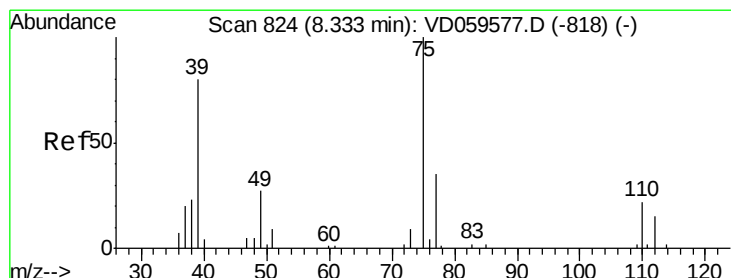
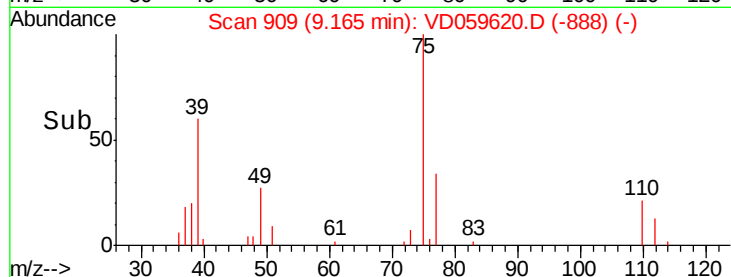
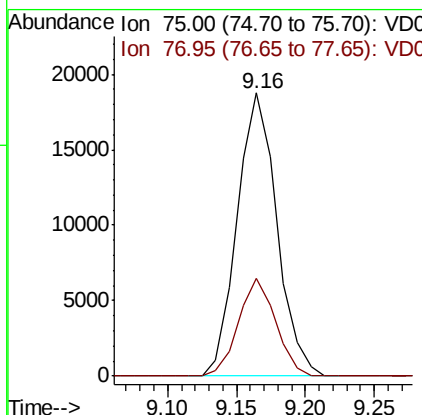
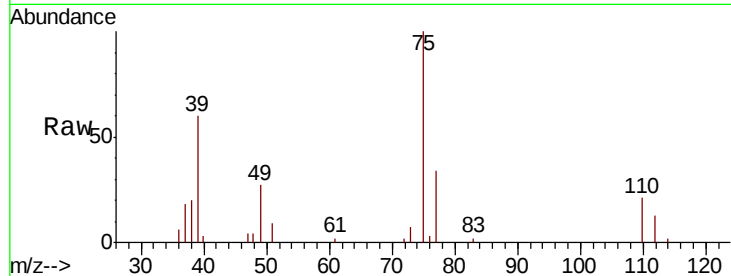




#53  
 t-1,3-Dichloropropene  
 Concen: 22.154 ug/l  
 RT: 9.16 min Scan# 909  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

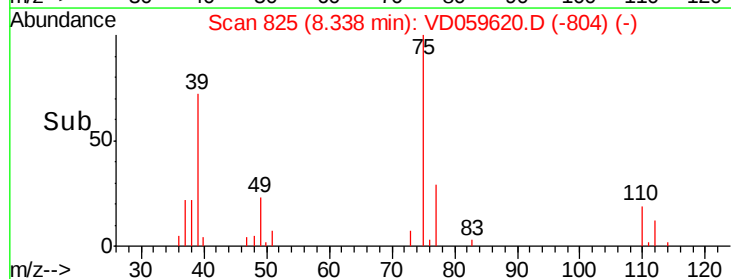
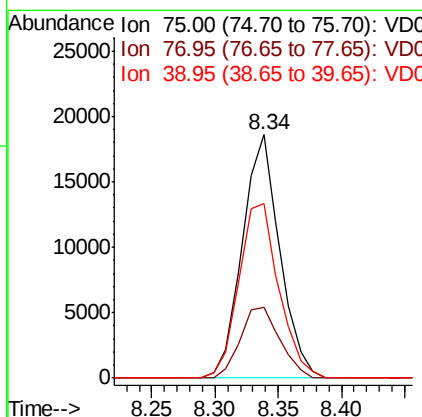
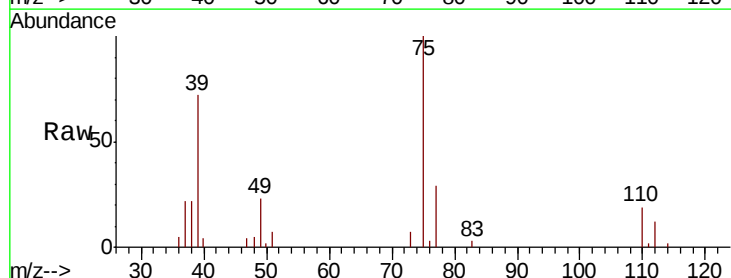
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBS01

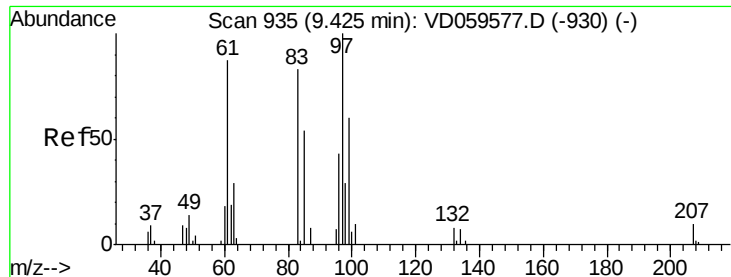
Tot Ion: 75 Resp: 37574  
 Ion Ratio Lower Upper  
 75 100  
 77 34.3 25.4 38.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 22.704 ug/l  
 RT: 8.34 min Scan# 825  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion: 75 Resp: 38239  
 Ion Ratio Lower Upper  
 75 100  
 77 28.9 27.7 41.5  
 39 71.8 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 22.785 ug/l

RT: 9.43 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBSD01

Tot Ion: 97 Resp: 18879

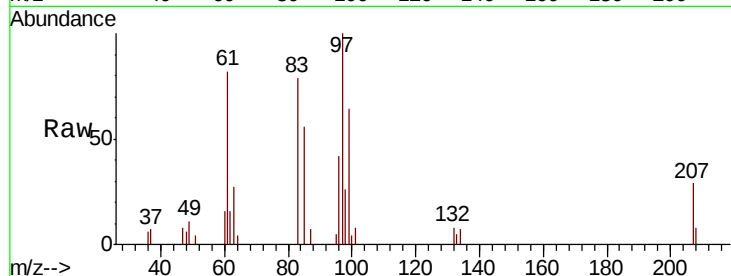
Ion Ratio Lower Upper

97 100

83 78.8 66.3 99.5

85 56.2 43.0 64.6

99 64.0 47.7 71.5

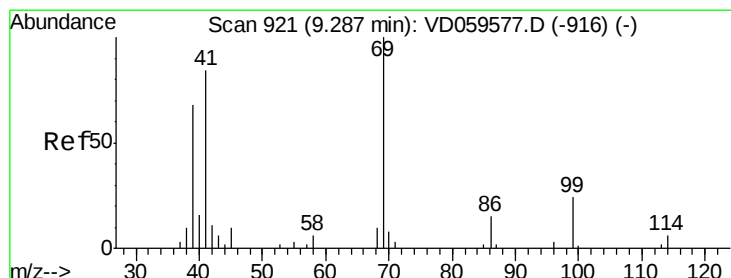
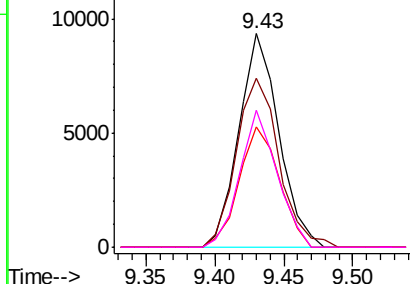
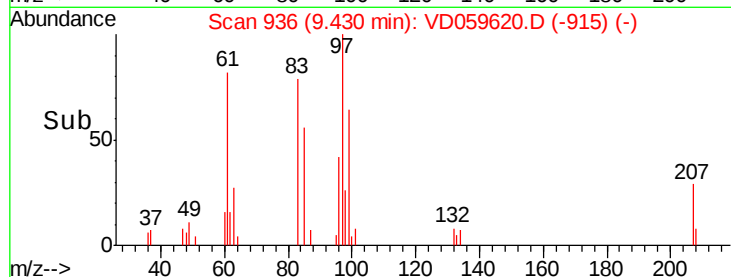


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 23.267 ug/l

RT: 9.29 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

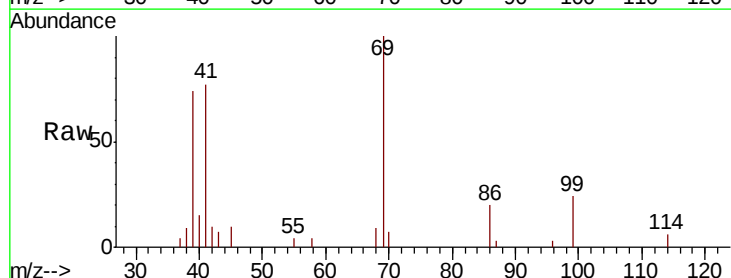
Tgt Ion: 69 Resp: 21873

Ion Ratio Lower Upper

69 100

41 76.9 66.8 100.2

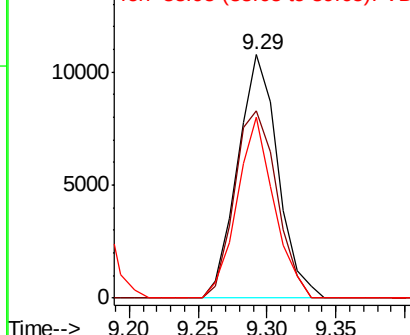
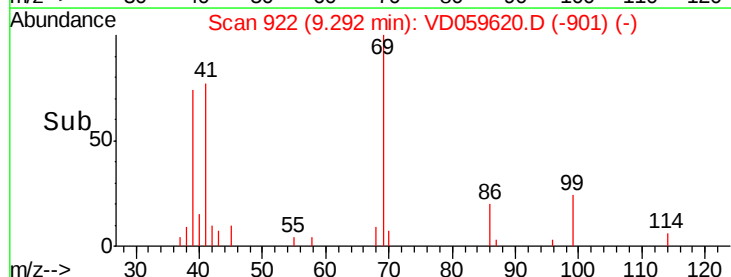
39 74.3 54.7 82.1

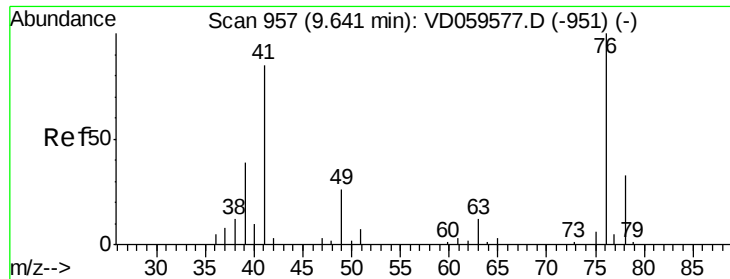


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 23.769 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

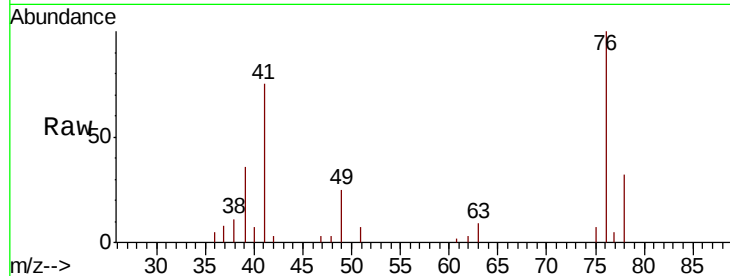
VD0727SBS01

Tot Ion: 76 Resp: 31293

Ion Ratio Lower Upper

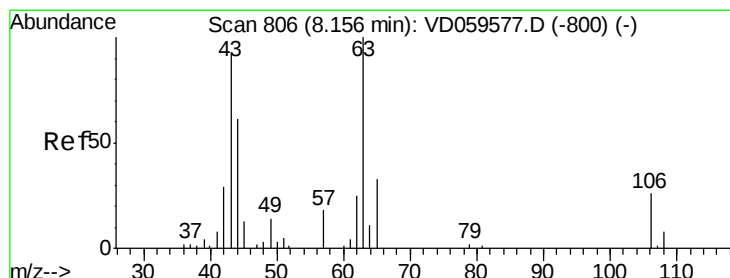
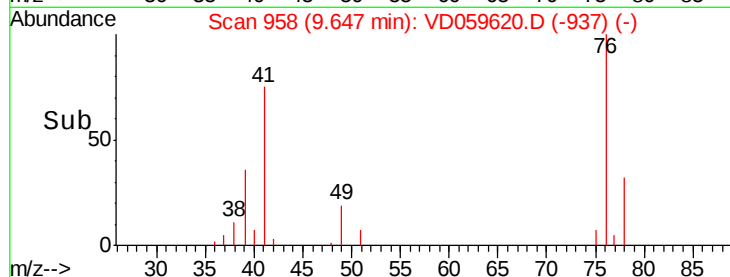
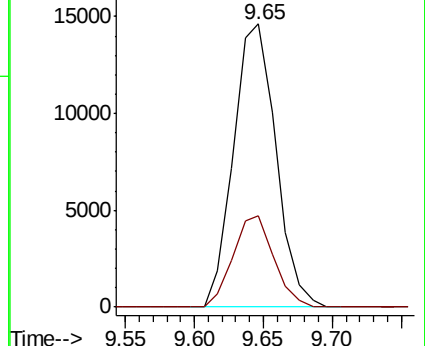
76 100

78 32.1 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 109.349 ug/l

RT: 8.16 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD059620.D

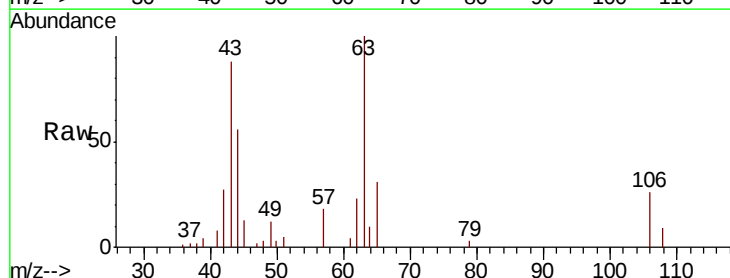
Acq: 27 Jul 2018 19:21

Tgt Ion: 63 Resp: 48301

Ion Ratio Lower Upper

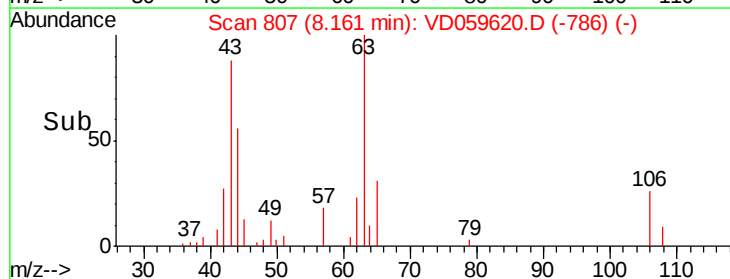
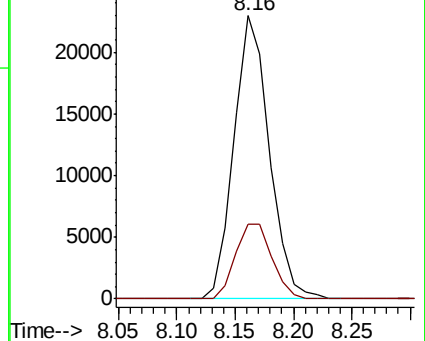
63 100

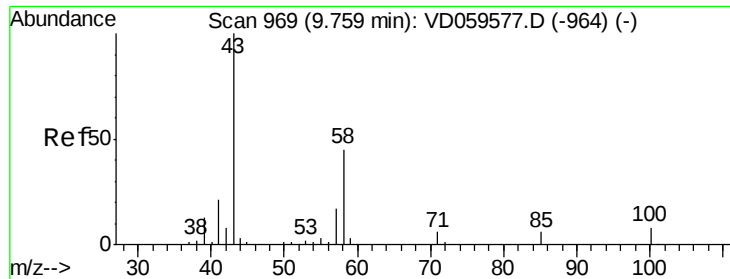
106 26.4 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

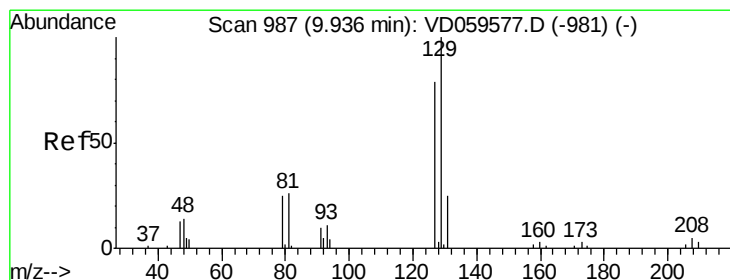
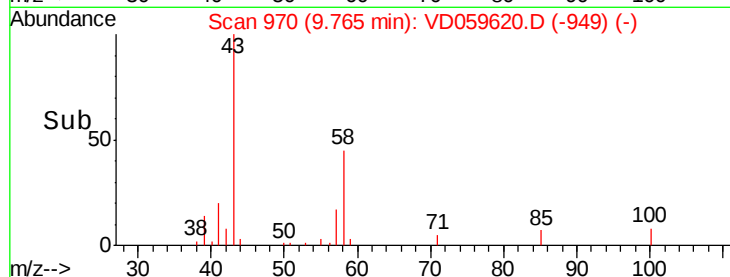
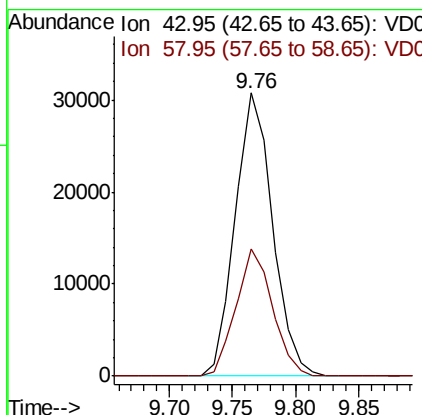
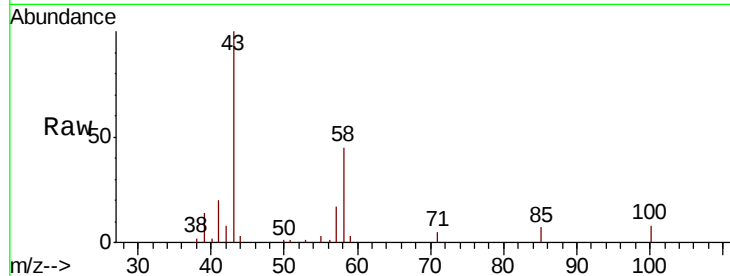




#59  
 2-Hexanone  
 Concen: 102.859 ug/l  
 RT: 9.76 min Scan# 970  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

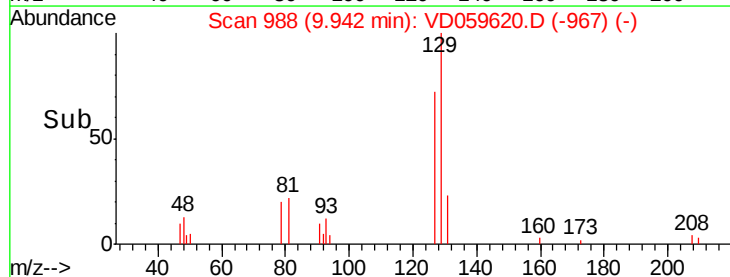
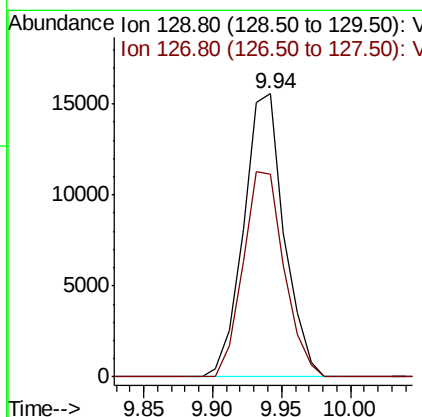
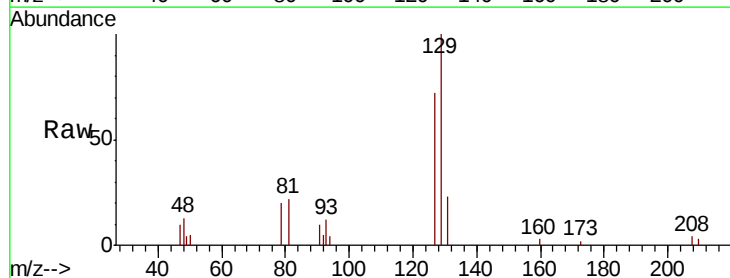
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBS01

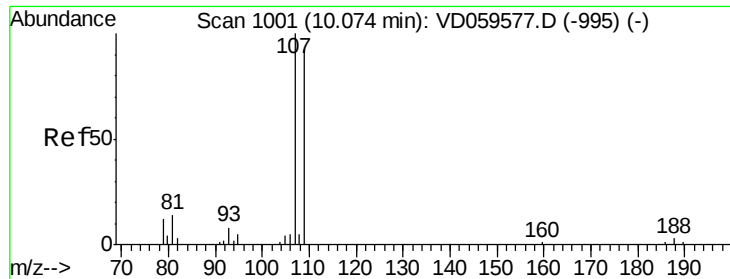
Tot Ion: 43 Resp: 63119  
 Ion Ratio Lower Upper  
 43 100  
 58 45.0 22.7 68.1



#60  
 Dibromochloromethane  
 Concen: 23.193 ug/l  
 RT: 9.94 min Scan# 988  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion: 129 Resp: 31902  
 Ion Ratio Lower Upper  
 129 100  
 127 71.8 39.3 117.9





#61

1,2-Dibromoethane

Concen: 21.692 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

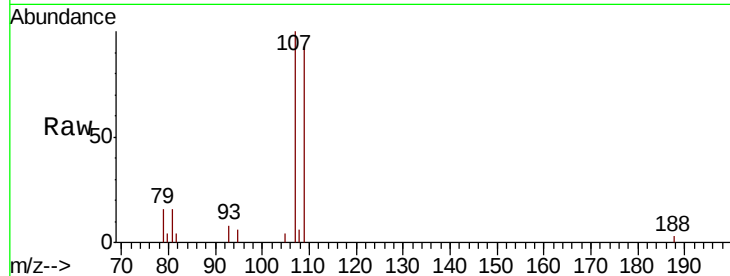
VD0727SBS01

Tot Ion:107 Resp: 21299

Ion Ratio Lower Upper

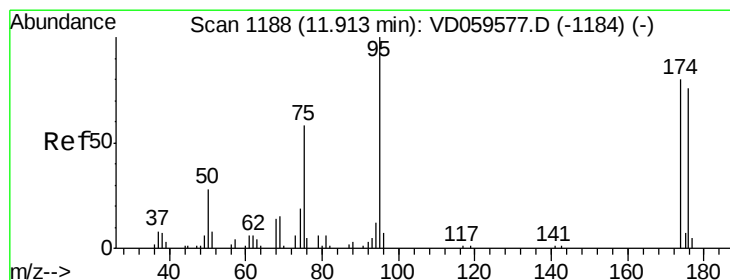
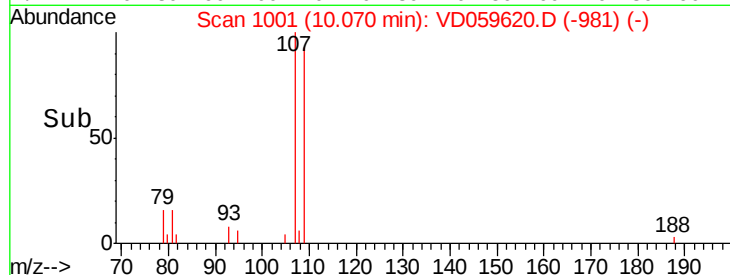
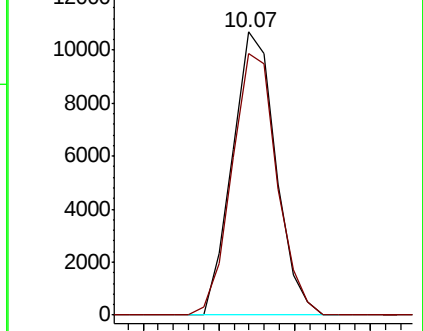
107 100

109 92.6 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 21.692 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

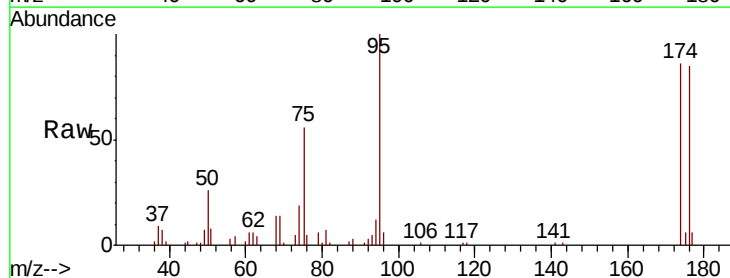
Tgt Ion: 95 Resp: 75293

Ion Ratio Lower Upper

95 100

174 86.0 0.0 160.6

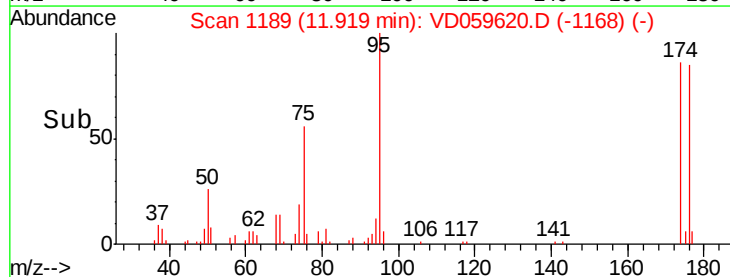
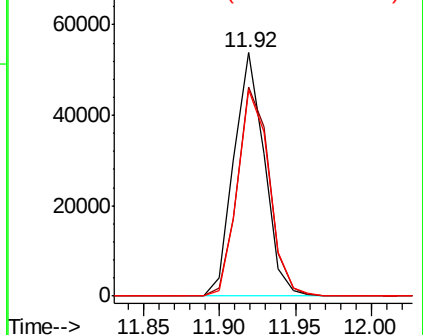
176 84.8 0.0 152.8

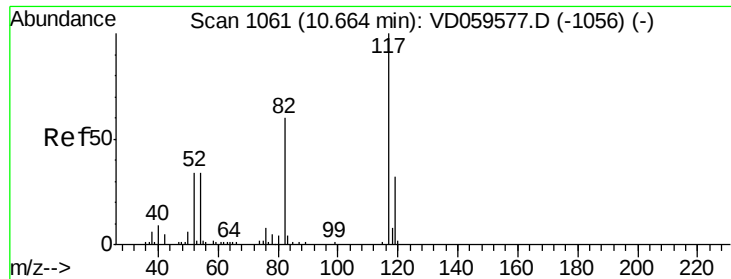


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

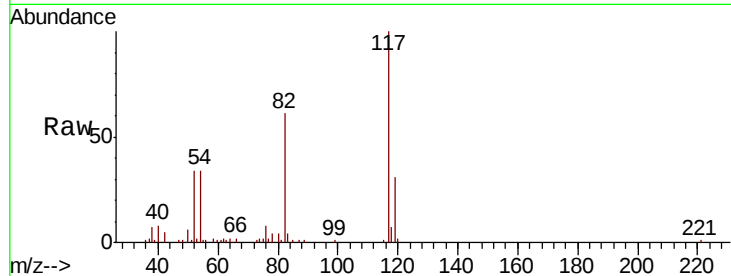




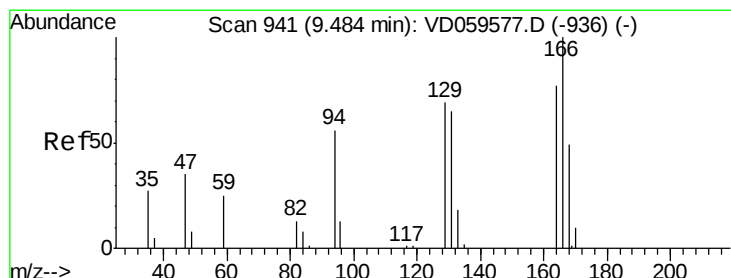
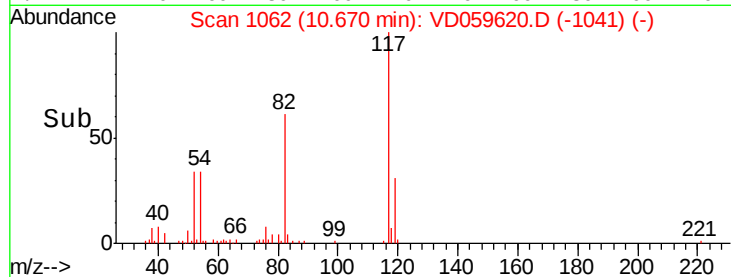
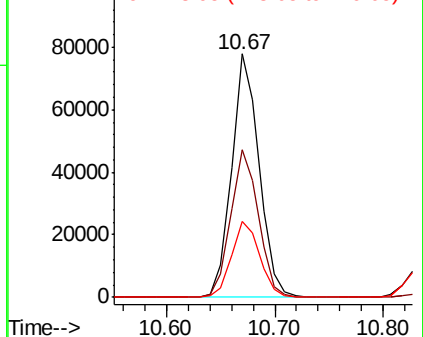
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.67 min Scan# 1062  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBSD01

Tot Ion:117 Resp: 136407  
Ion Ratio Lower Upper  
117 100  
82 60.7 48.2 72.2  
119 31.4 25.4 38.2

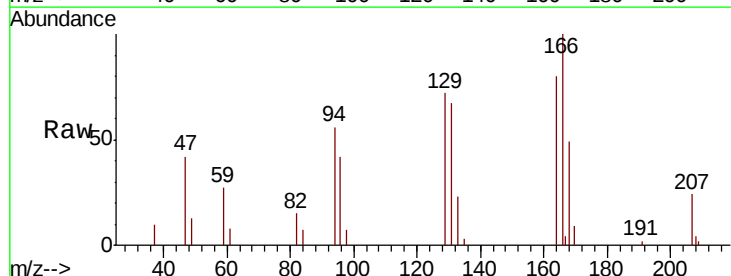


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

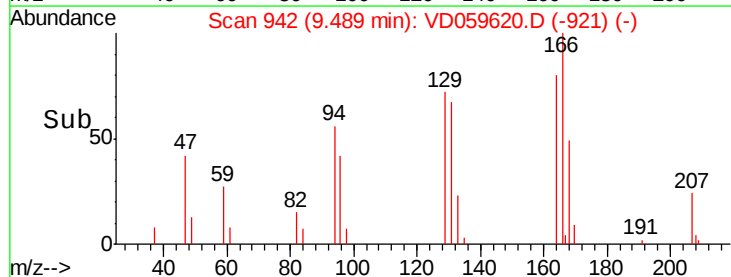
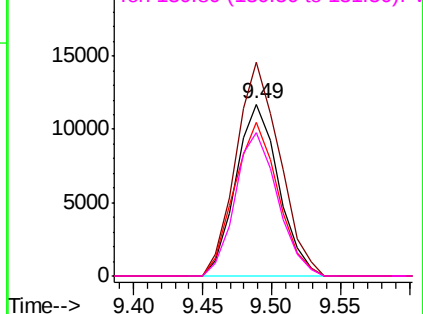


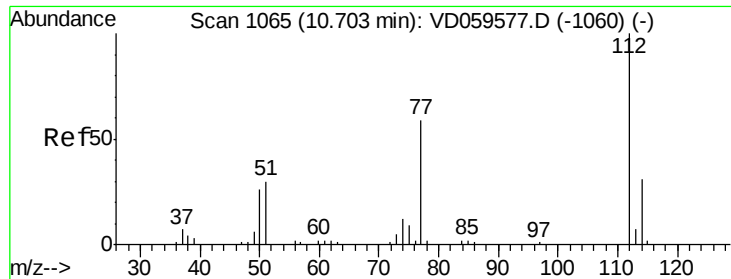
#64  
Tetrachloroethene  
Concen: 20.443 ug/l  
RT: 9.49 min Scan# 942  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion:164 Resp: 25270  
Ion Ratio Lower Upper  
164 100  
166 124.4 104.0 156.0  
129 89.2 72.2 108.4  
131 83.8 67.7 101.5



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

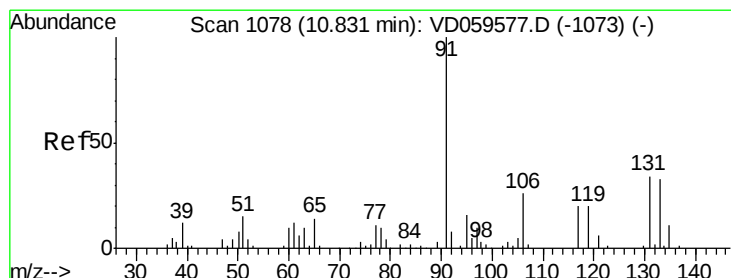
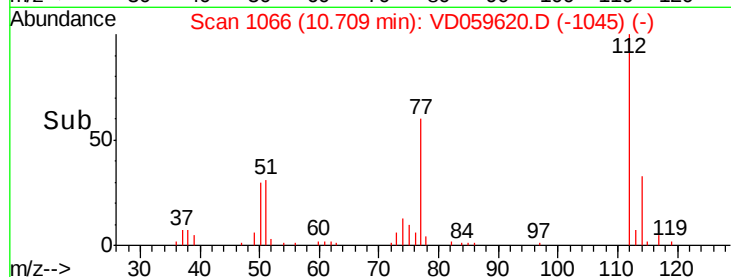
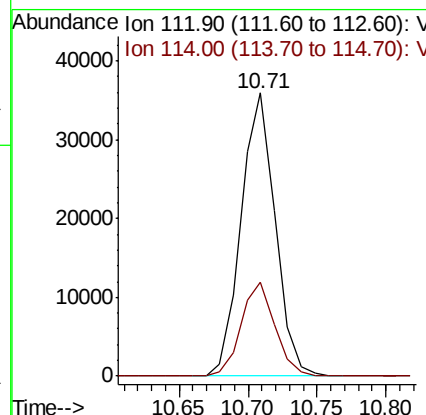
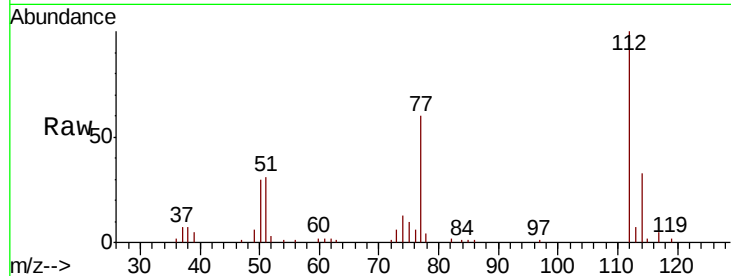




#65  
Chlorobenzene  
Concen: 22.152 ug/l  
RT: 10.71 min Scan# 1066  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

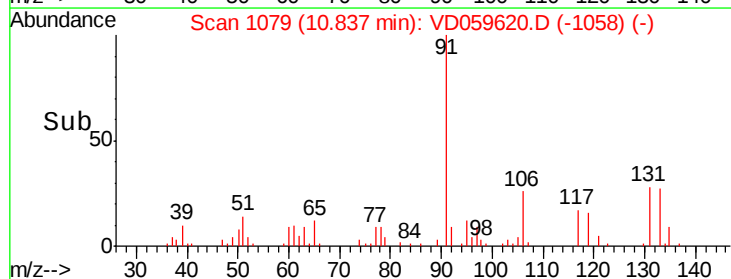
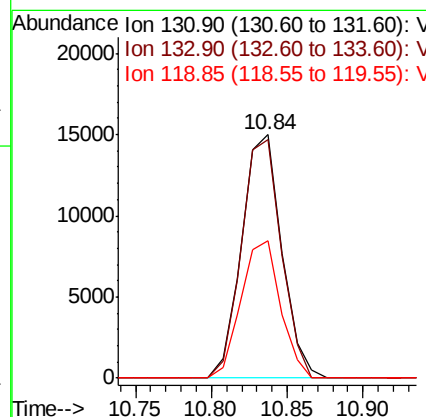
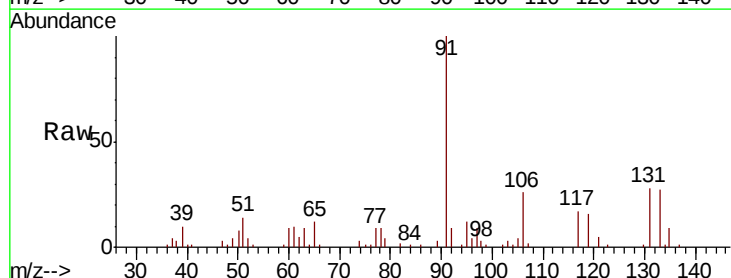
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBSD01

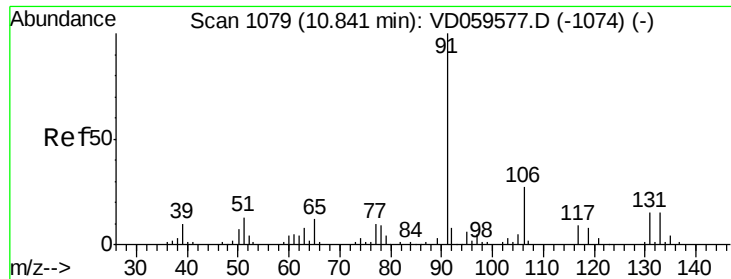
Tot Ion:112 Resp: 61943  
Ion Ratio Lower Upper  
112 100  
114 33.1 24.5 36.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.641 ug/l  
RT: 10.84 min Scan# 1079  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion:131 Resp: 27539  
Ion Ratio Lower Upper  
131 100  
133 98.0 47.9 143.7  
119 56.6 28.7 86.1

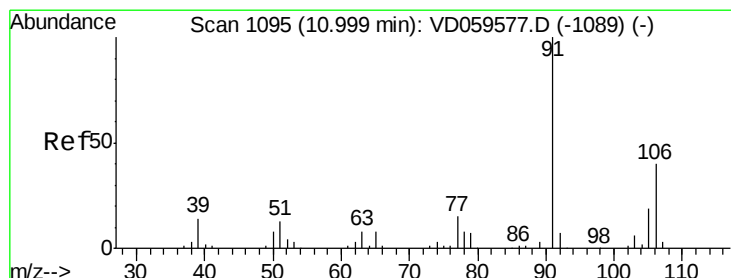
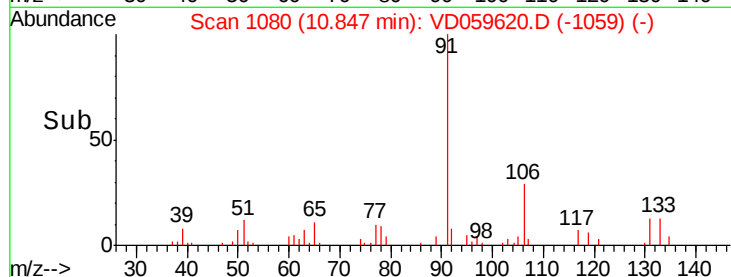
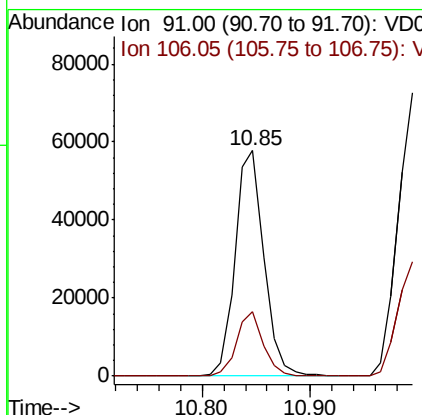
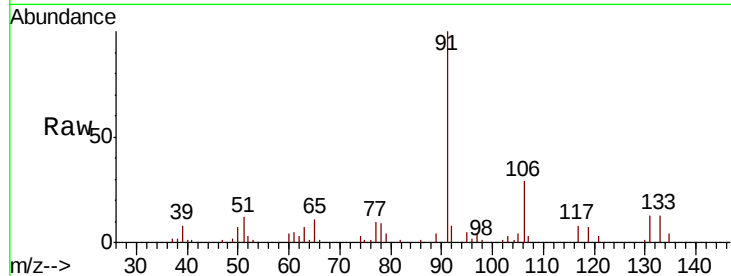




#67  
Ethyl Benzene  
Concen: 22.192 ug/l  
RT: 10.85 min Scan# 1080  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

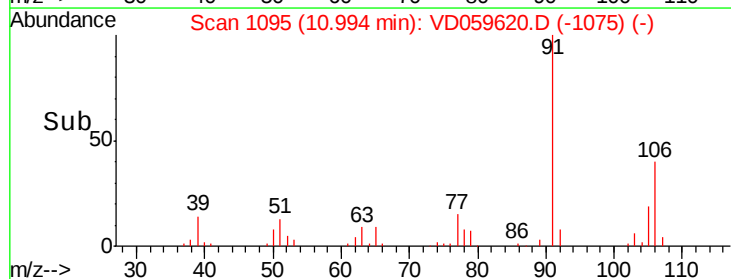
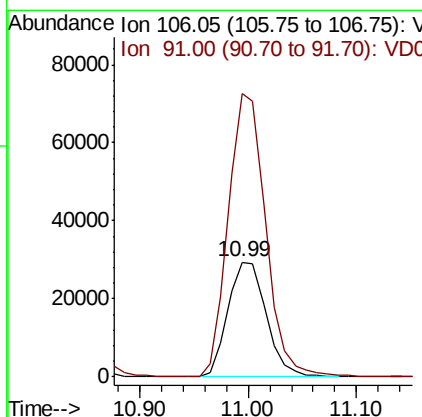
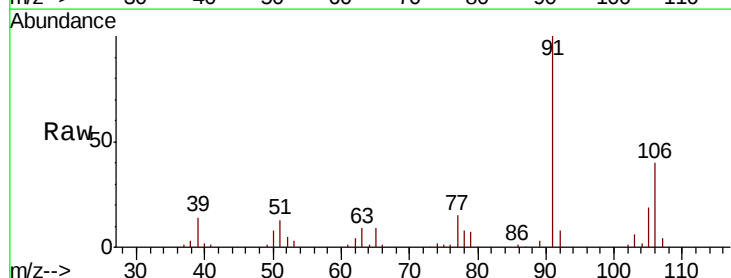
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion: 91 Resp: 106672  
Ion Ratio Lower Upper  
91 100  
106 28.5 21.6 32.4



#68  
m/p-Xylenes  
Concen: 44.989 ug/l  
RT: 10.99 min Scan# 1095  
Delta R.T. -0.00 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 106 Resp: 72223  
Ion Ratio Lower Upper  
106 100  
91 247.0 198.2 297.4

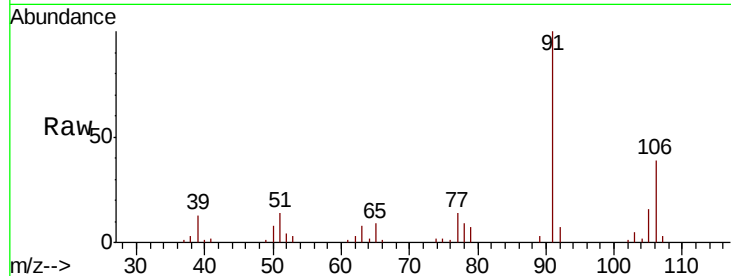




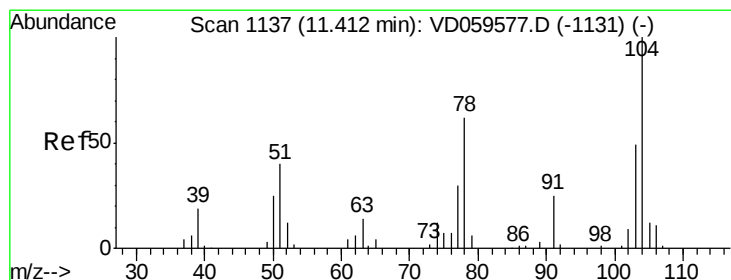
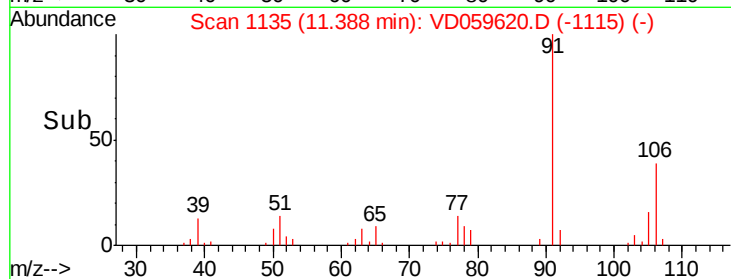
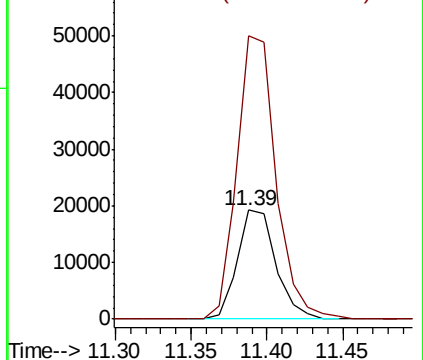
#69  
o-Xylene  
Concen: 21.814 ug/l  
RT: 11.39 min Scan# 1135  
Delta R.T. -0.00 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion:106 Resp: 33980  
Ion Ratio Lower Upper  
106 100  
91 259.5 122.7 368.1

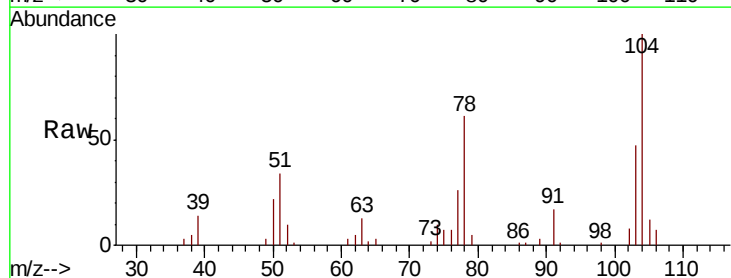


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

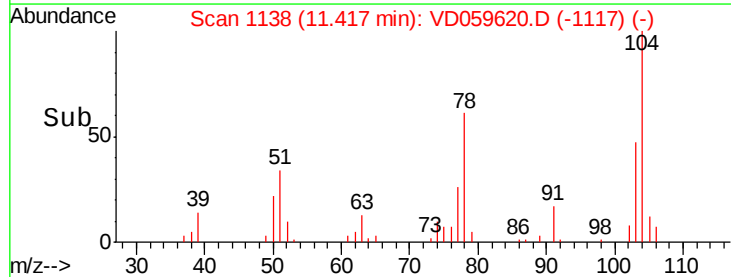
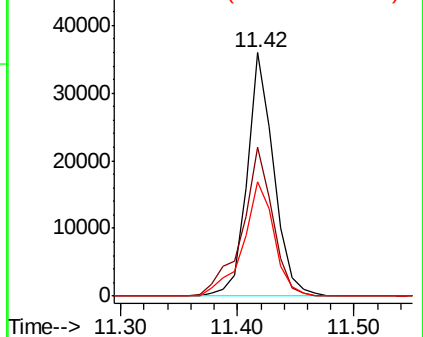


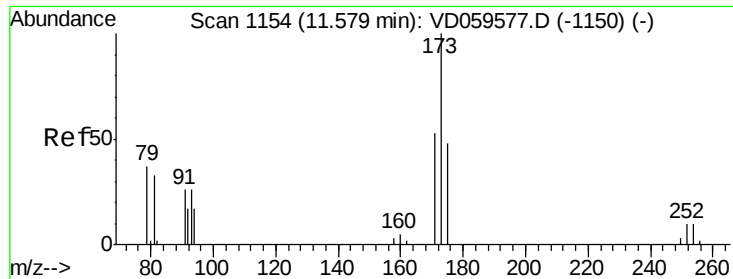
#70  
Styrene  
Concen: 21.851 ug/l  
RT: 11.42 min Scan# 1138  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion:104 Resp: 56437  
Ion Ratio Lower Upper  
104 100  
78 61.3 49.4 74.0  
103 47.2 39.0 58.6



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

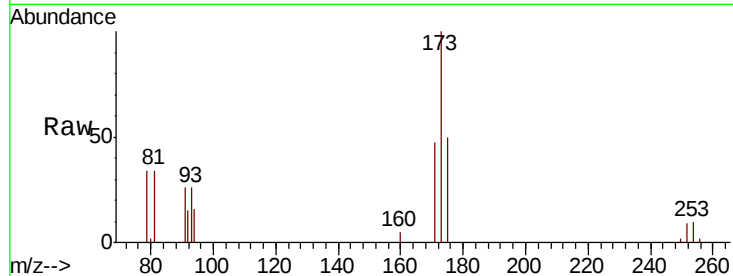




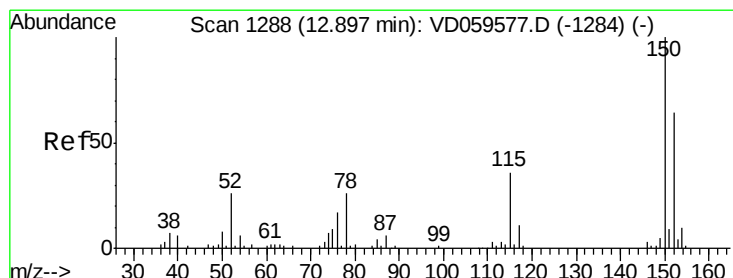
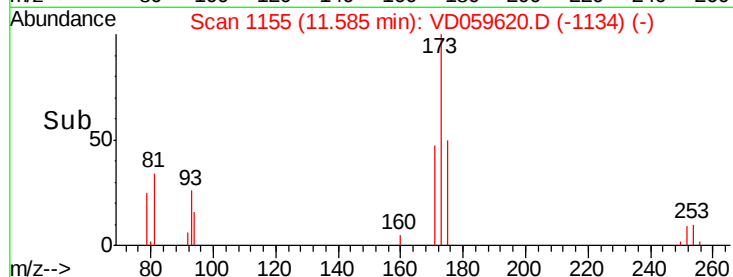
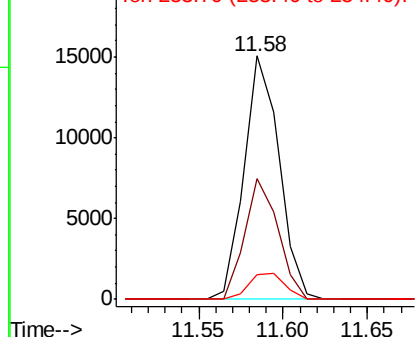
#71  
Bromoform  
Concen: 21.972 ug/l  
RT: 11.58 min Scan# 1155  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion:173 Resp: 21762  
Ion Ratio Lower Upper  
173 100  
175 49.6 23.8 71.4  
254 9.9 7.8 11.6

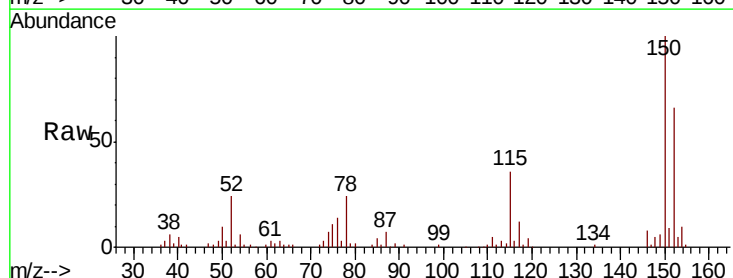


Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V

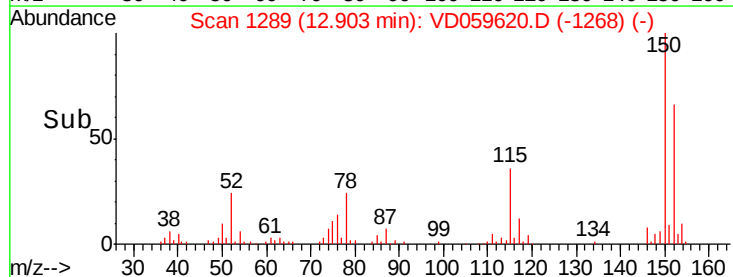
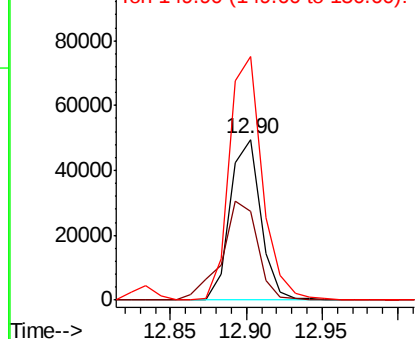


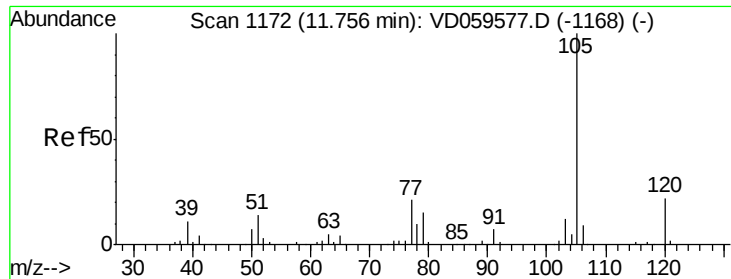
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.90 min Scan# 1289  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion:152 Resp: 69448  
Ion Ratio Lower Upper  
152 100  
115 55.0 29.5 88.6  
150 151.6 0.0 314.4



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: 20.748 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

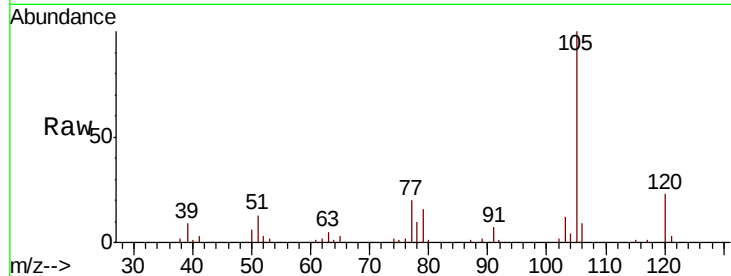
VD0727SBS01

Tot Ion:105 Resp: 101791

Ion Ratio Lower Upper

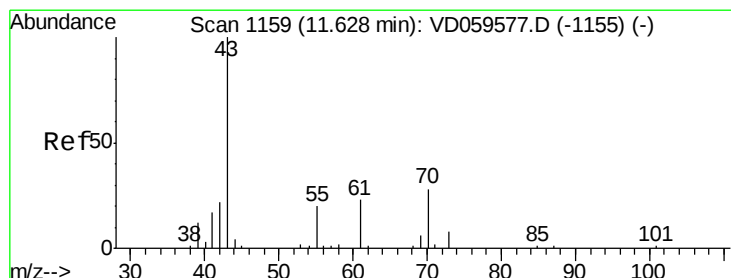
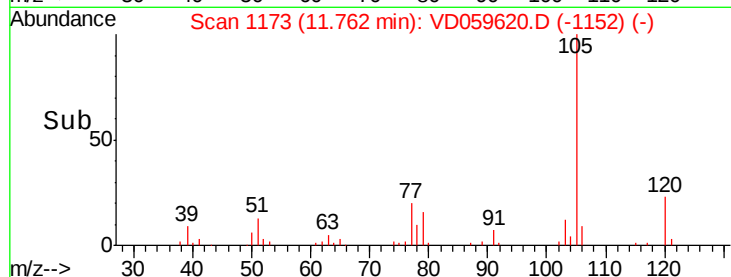
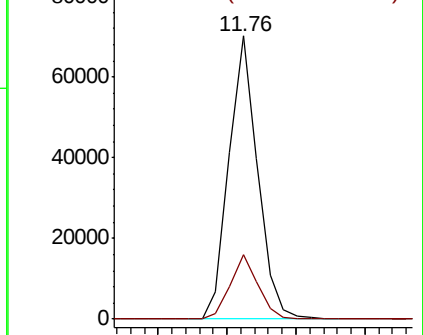
105 100

120 22.7 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.539 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Tgt Ion: 43 Resp: 32844

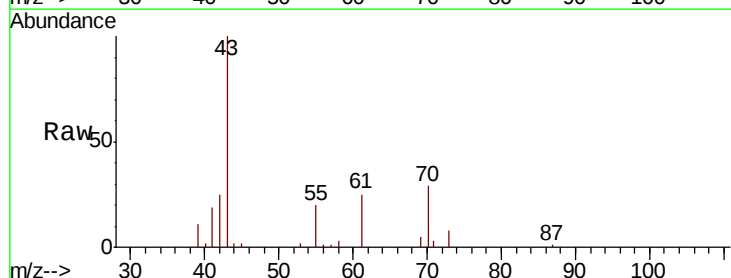
Ion Ratio Lower Upper

43 100

70 29.3 22.0 33.0

55 20.2 16.2 24.2

61 25.0 18.6 27.8

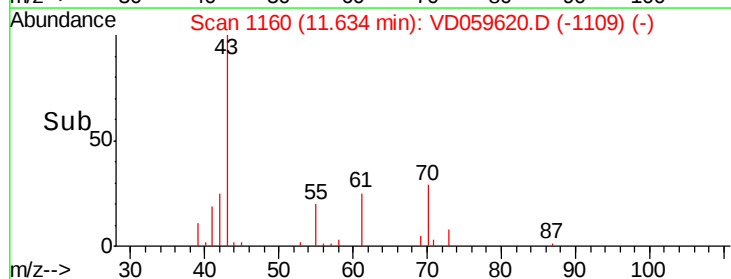
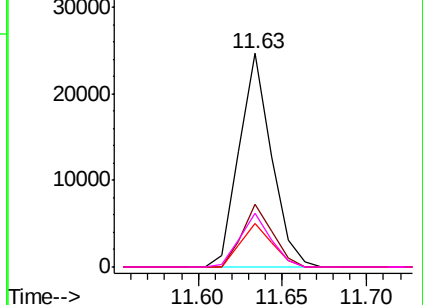


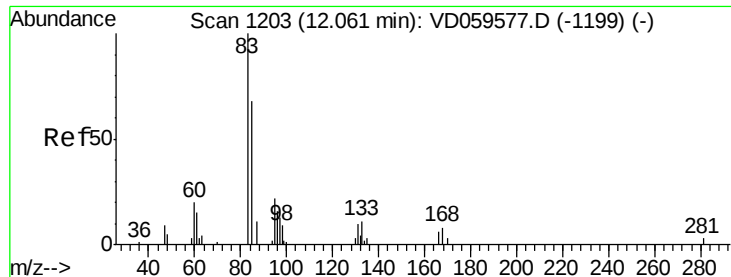
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.833 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBSD01

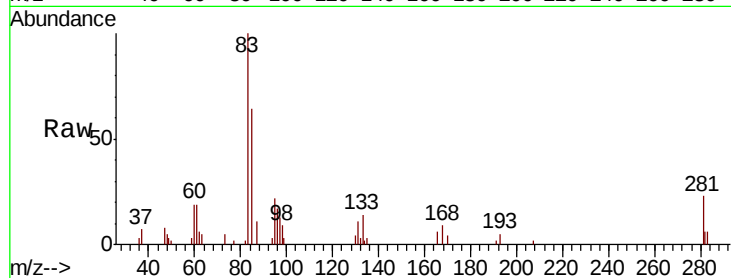
Tot Ion: 83 Resp: 21869

Ion Ratio Lower Upper

83 100

131 11.1 5.1 15.2

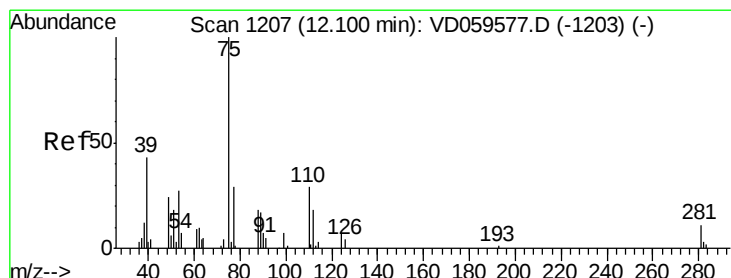
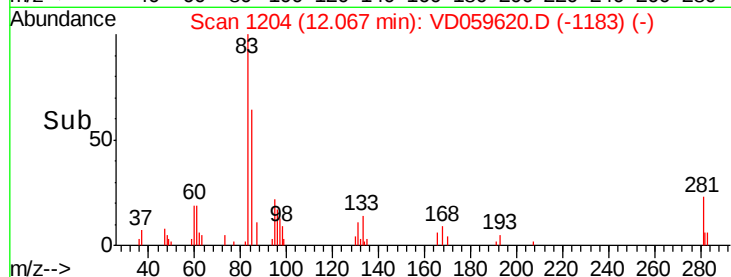
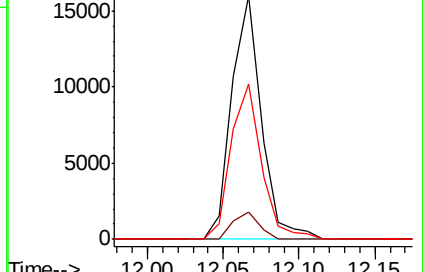
85 64.0 34.1 102.3



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: 21.285 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD059620.D

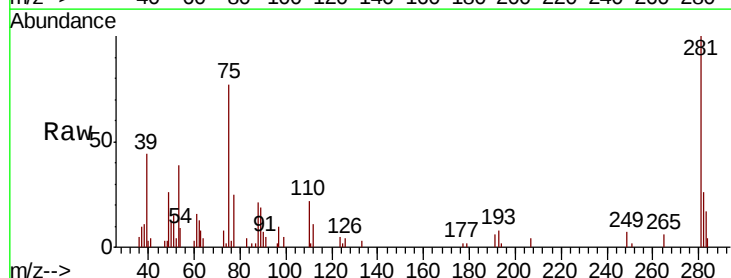
Acq: 27 Jul 2018 19:21

Tgt Ion: 75 Resp: 24445

Ion Ratio Lower Upper

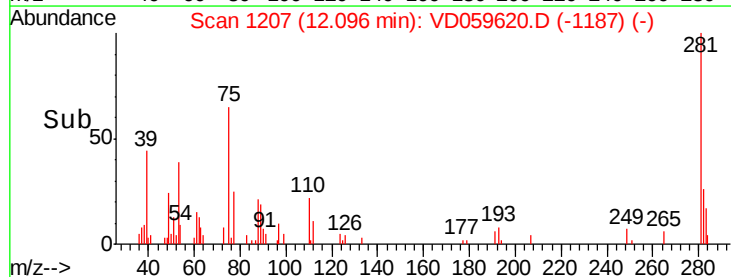
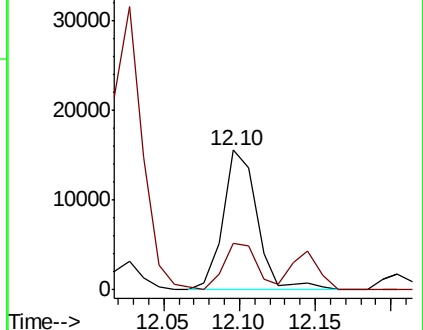
75 100

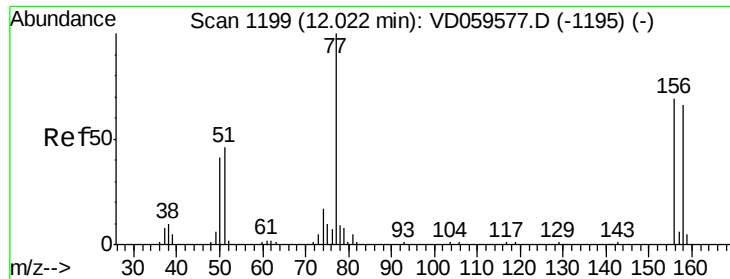
77 32.9 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.939 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBS01

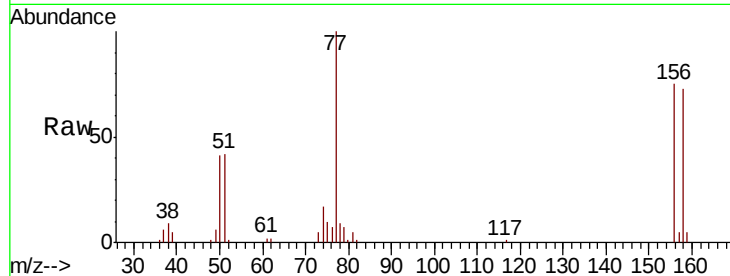
Tot Ion:156 Resp: 31509

Ion Ratio Lower Upper

156 100

77 133.4 72.4 217.2

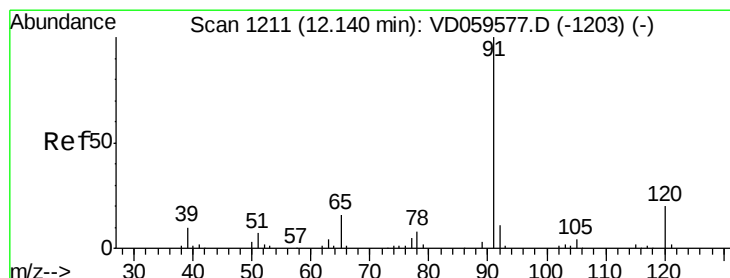
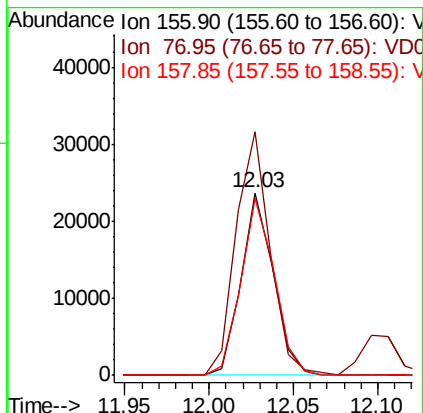
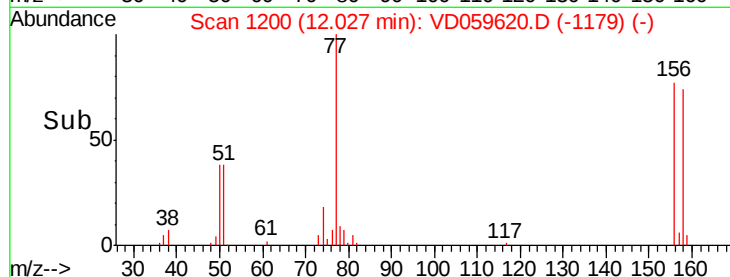
158 97.1 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.751 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059620.D

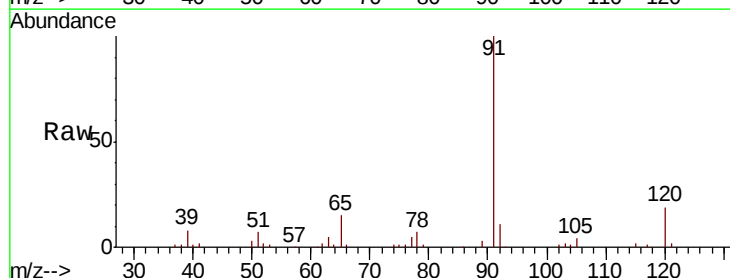
Acq: 27 Jul 2018 19:21

Tgt Ion: 91 Resp: 123698

Ion Ratio Lower Upper

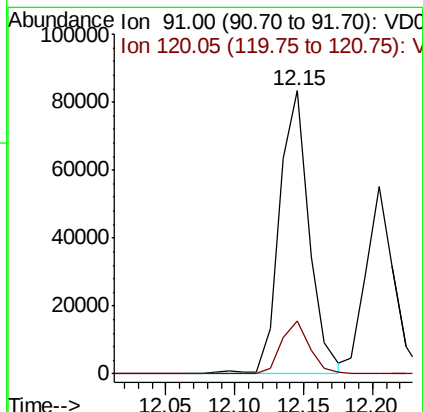
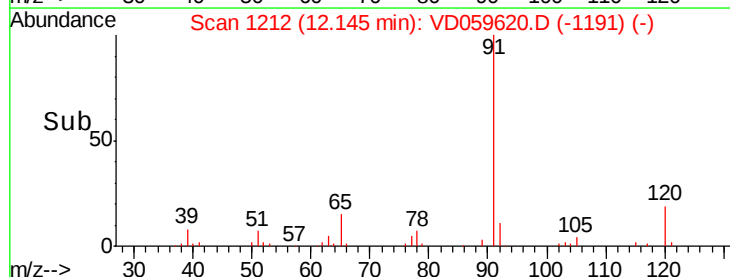
91 100

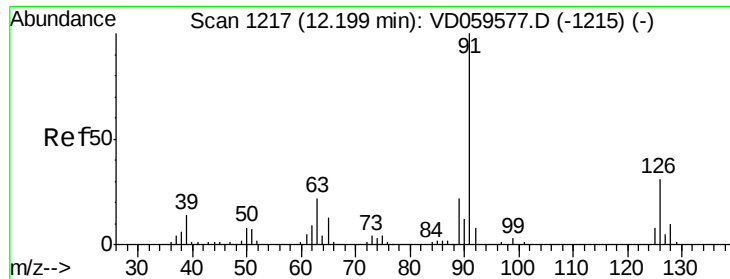
120 18.8 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

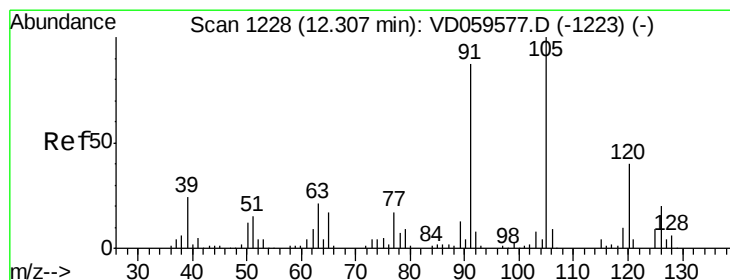
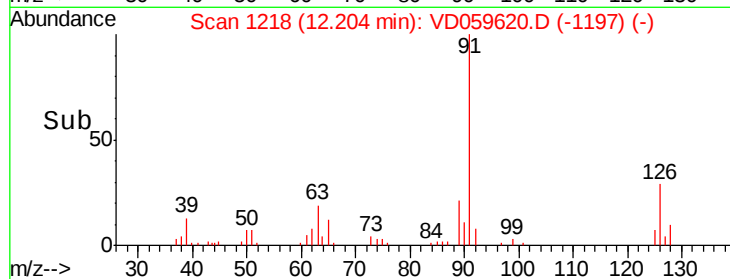
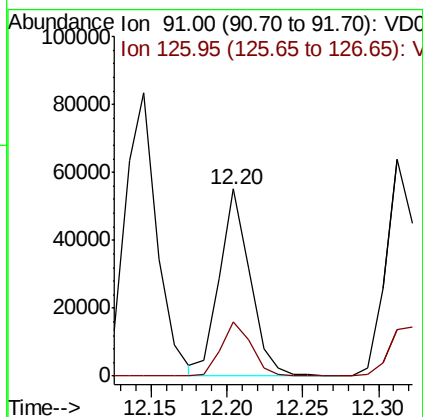
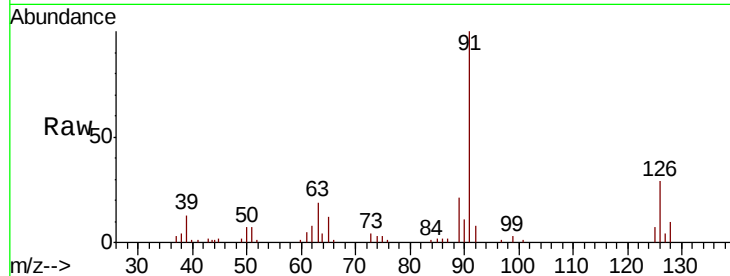




#79  
 2-Chlorotoluene  
 Concen: 21.950 ug/l  
 RT: 12.20 min Scan# 1218  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

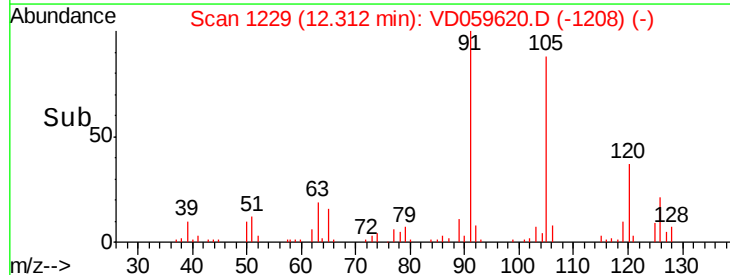
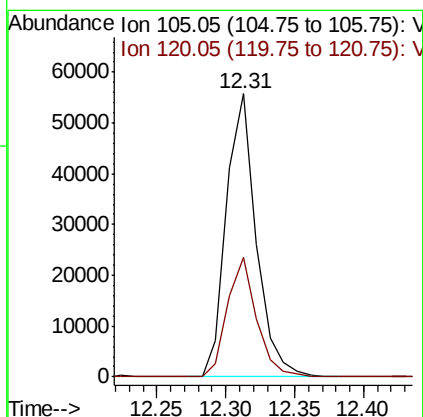
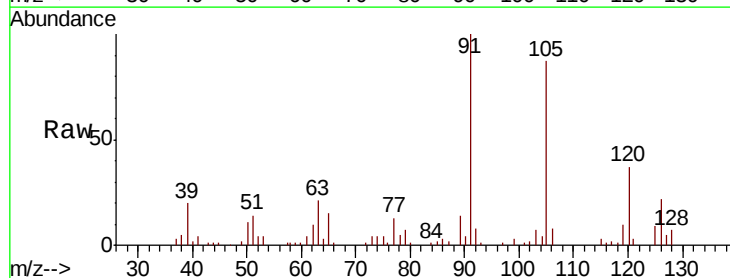
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBS01

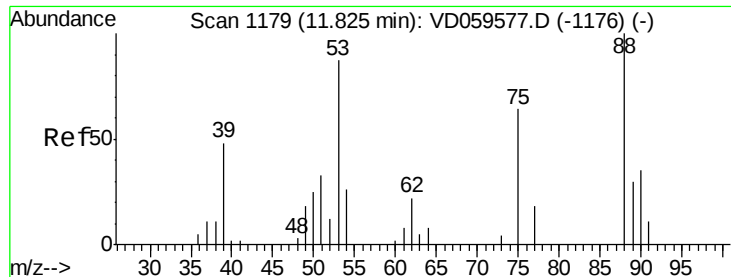
Tot Ion: 91 Resp: 78012  
 Ion Ratio Lower Upper  
 91 100  
 126 29.0 14.5 43.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.641 ug/l  
 RT: 12.31 min Scan# 1229  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion: 105 Resp: 83828  
 Ion Ratio Lower Upper  
 105 100  
 120 42.4 19.9 59.6

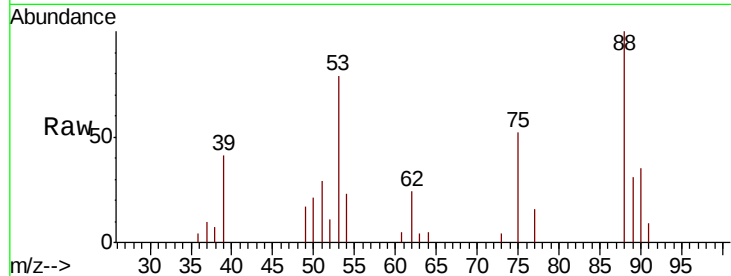




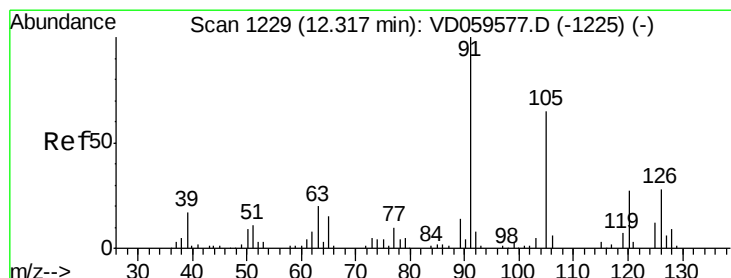
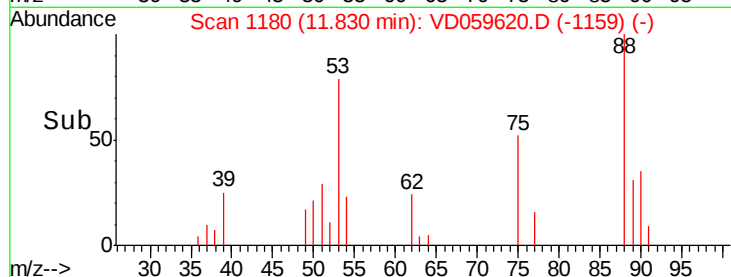
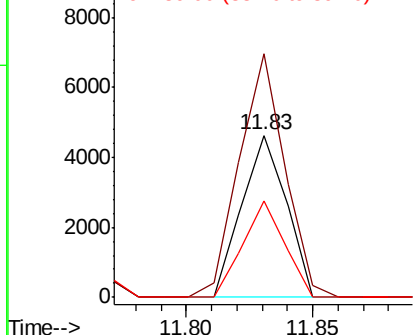
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.300 ug/l  
RT: 11.83 min Scan# 1180  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBSD01

Tot Ion: 75 Resp: 5667  
Ion Ratio Lower Upper  
75 100  
53 150.3 107.7 161.5  
89 59.3 37.3 55.9#

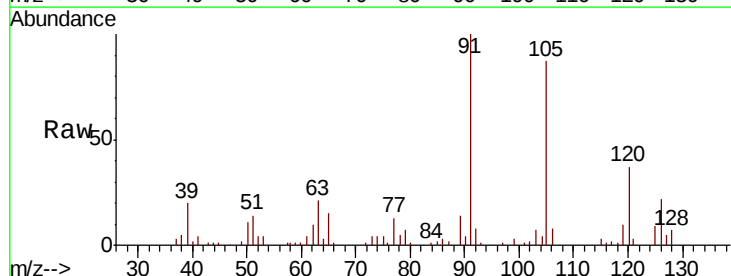


Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 89.00 (88.70 to 89.70): VDC

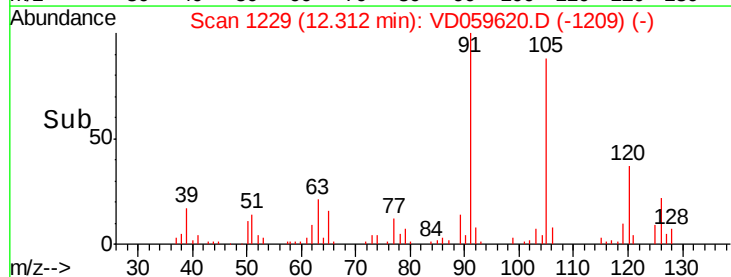
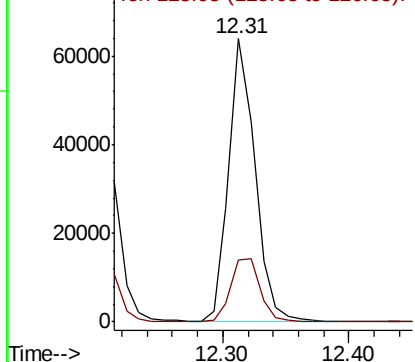


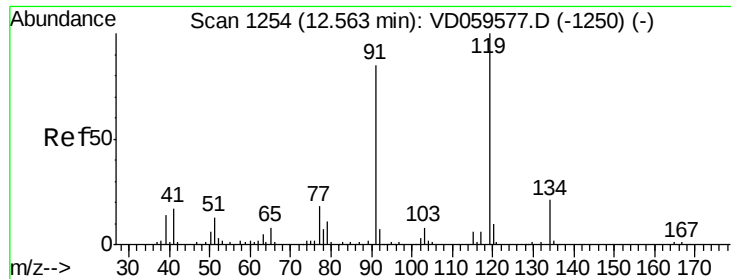
#82  
4-Chlorotoluene  
Concen: 22.958 ug/l  
RT: 12.31 min Scan# 1229  
Delta R.T. -0.00 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion: 91 Resp: 92272  
Ion Ratio Lower Upper  
91 100  
126 21.7 14.1 42.4



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





#83

tert-Butylbenzene

Concen: 21.693 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.01 min

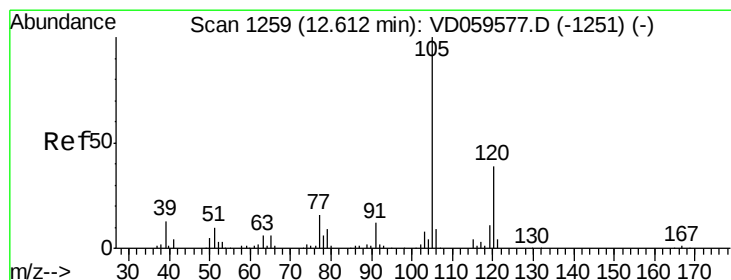
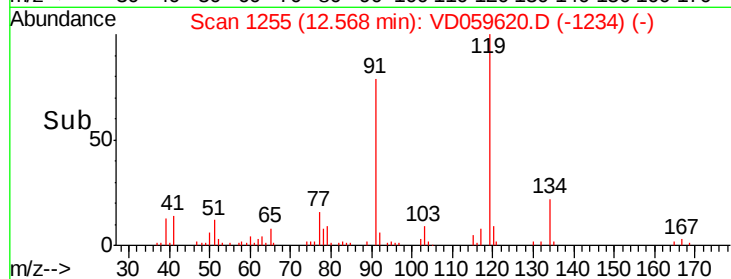
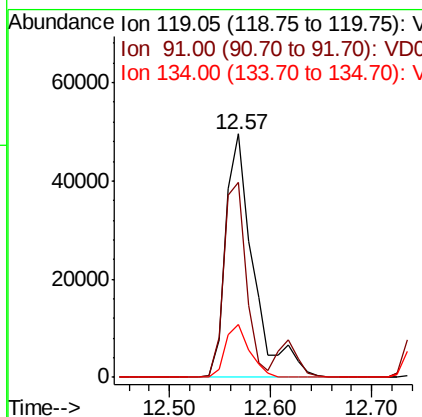
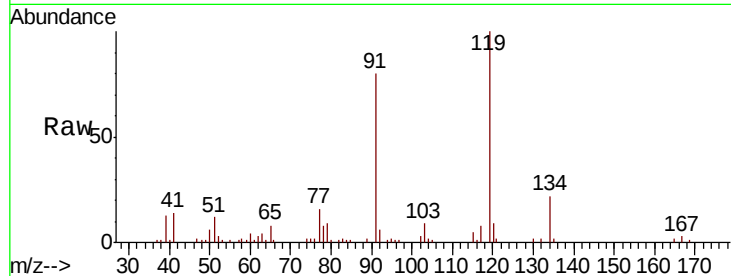
Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion:119 Resp: 94600

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 119 | 100   |       |       |
| 91  | 79.8  | 42.5  | 127.5 |
| 134 | 21.9  | 10.5  | 31.6  |



#84

1,2,4-Trimethylbenzene

Concen: 21.472 ug/l

RT: 12.62 min Scan# 1260

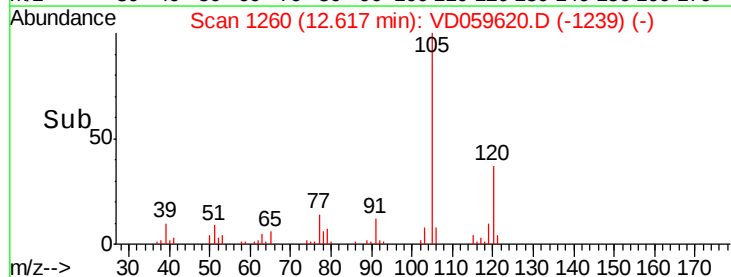
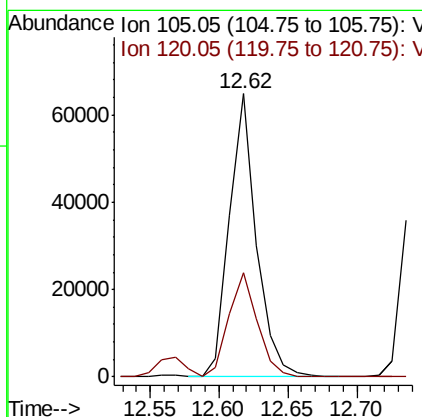
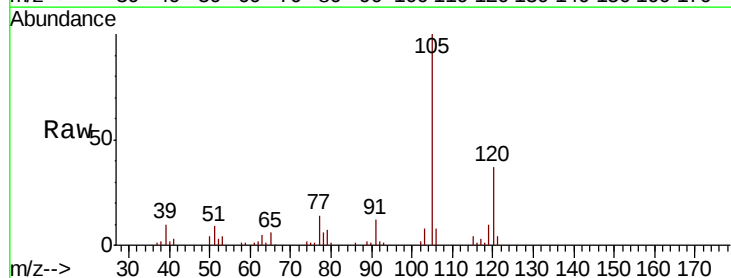
Delta R.T. 0.01 min

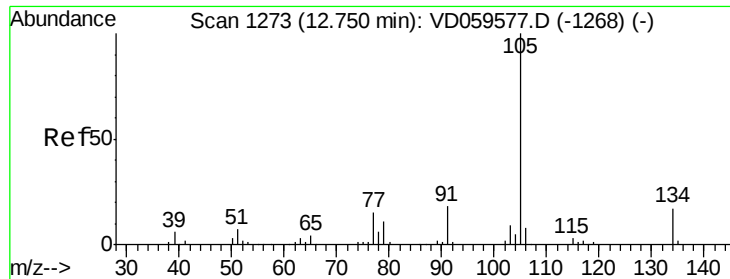
Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Tgt Ion:105 Resp: 88415

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 37.0  | 19.3  | 57.9  |





#85

sec-Butylbenzene

Concen: 21.877 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

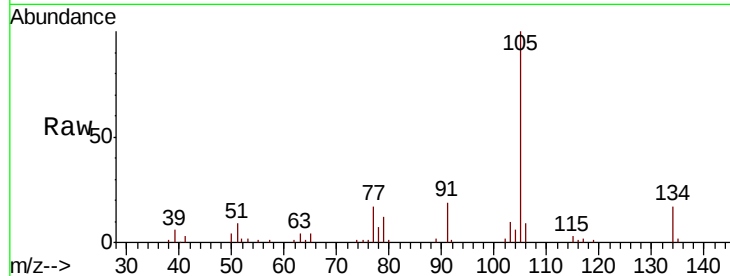
VD0727SBS01

Tot Ion:105 Resp: 109017

Ion Ratio Lower Upper

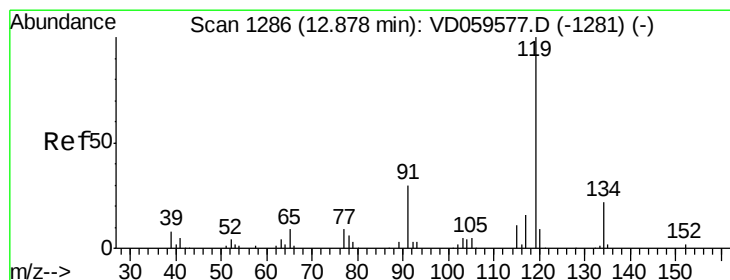
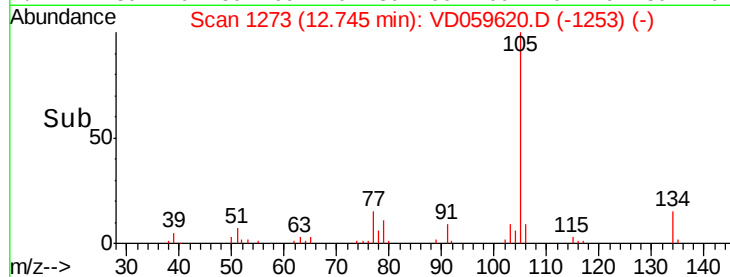
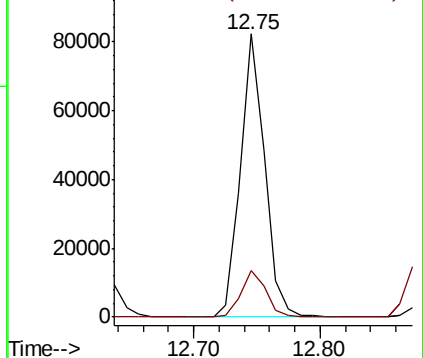
105 100

134 16.7 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.947 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

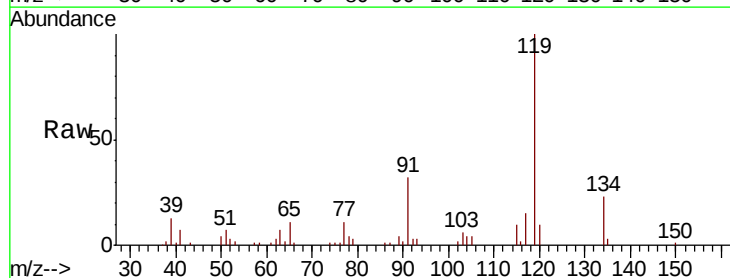
Tgt Ion:119 Resp: 87973

Ion Ratio Lower Upper

119 100

134 23.2 11.2 33.6

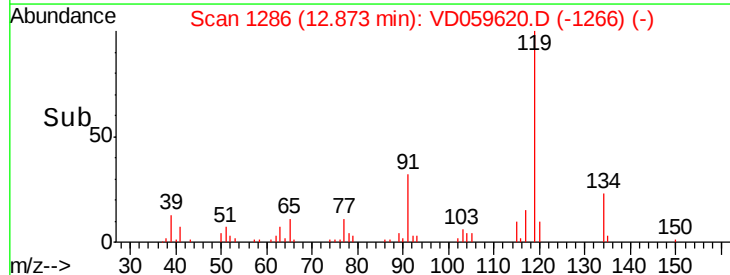
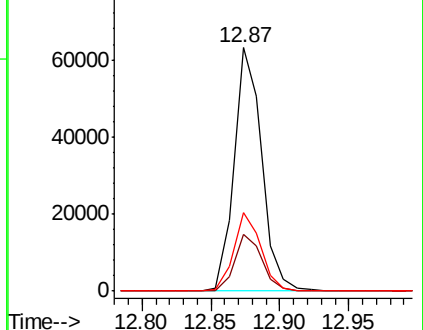
91 32.4 15.0 45.1

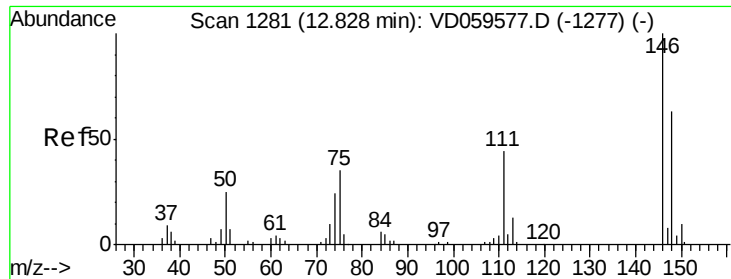


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

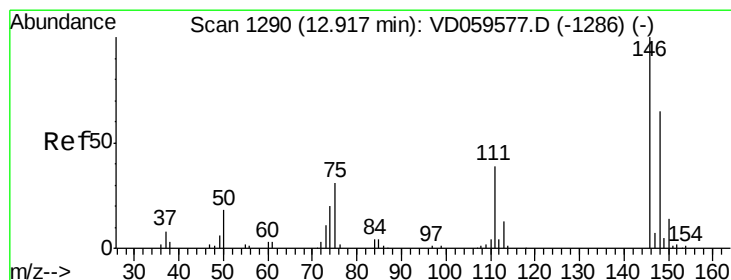
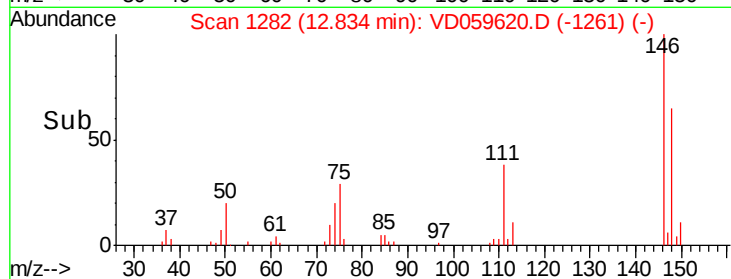
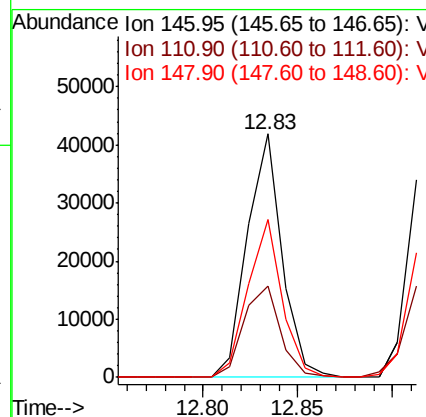
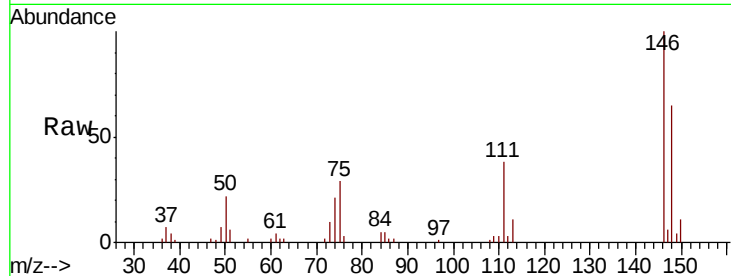




#87  
 1,3-Dichlorobenzene  
 Concen: 21.884 ug/l  
 RT: 12.83 min Scan# 1282  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

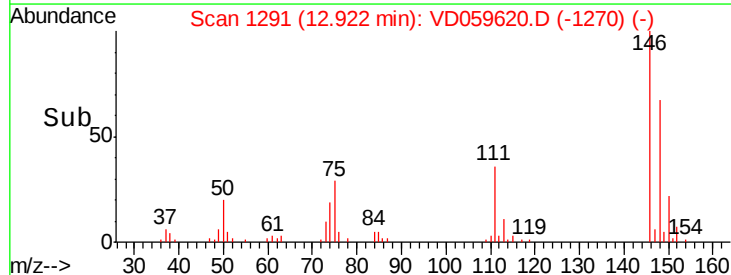
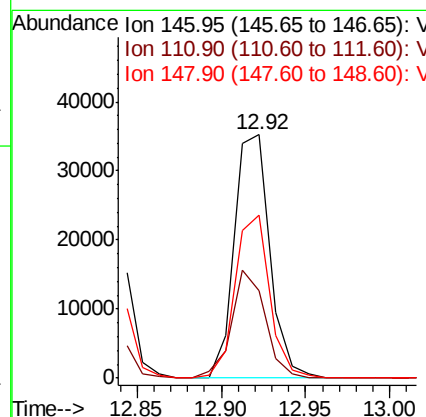
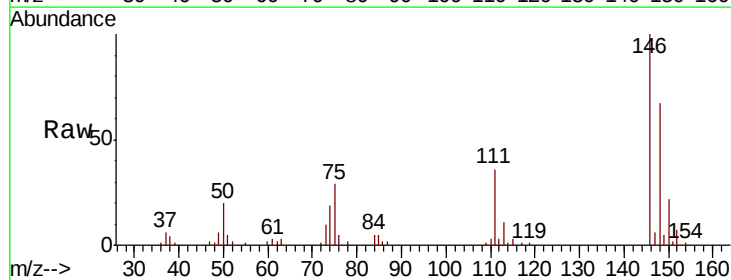
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBSD01

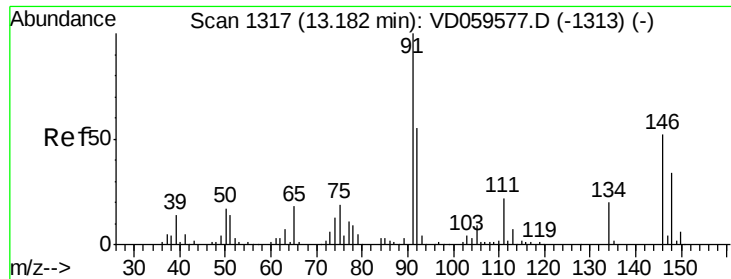
Tot Ion:146 Resp: 53157  
 Ion Ratio Lower Upper  
 146 100  
 111 37.5 22.2 66.6  
 148 65.0 31.8 95.3



#88  
 1,4-Dichlorobenzene  
 Concen: 22.039 ug/l  
 RT: 12.92 min Scan# 1291  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion:146 Resp: 51576  
 Ion Ratio Lower Upper  
 146 100  
 111 35.8 19.3 57.9  
 148 66.9 32.4 97.2





#89

n-Butylbenzene

Concen: 22.275 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059620.D

Acq: 27 Jul 2018 19:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0727SBS01

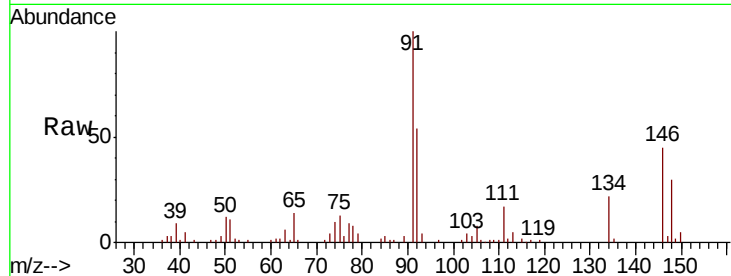
Tot Ion: 91 Resp: 90317

Ion Ratio Lower Upper

91 100

92 53.9 27.6 82.7

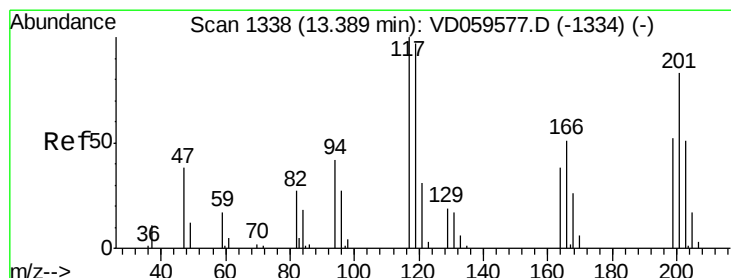
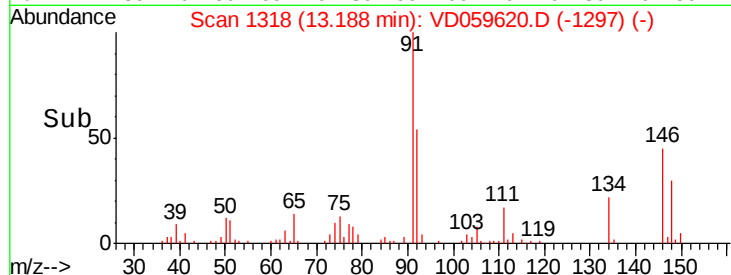
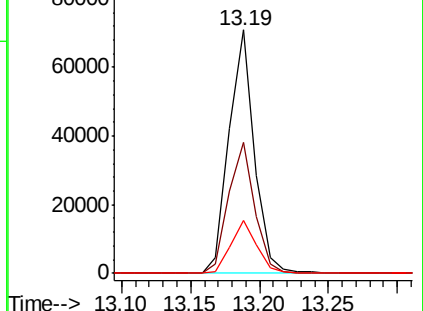
134 21.9 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 20.807 ug/l

RT: 13.39 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VD059620.D

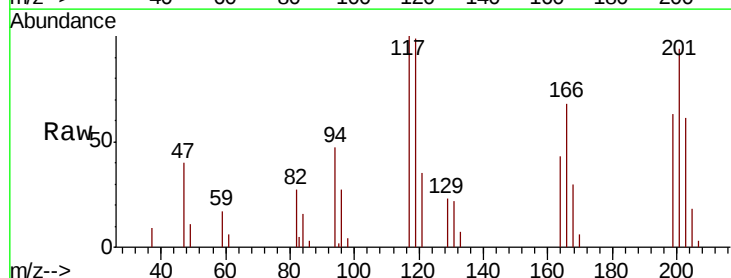
Acq: 27 Jul 2018 19:21

Tgt Ion: 117 Resp: 23350

Ion Ratio Lower Upper

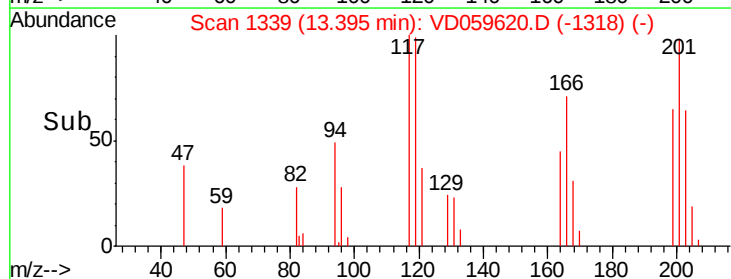
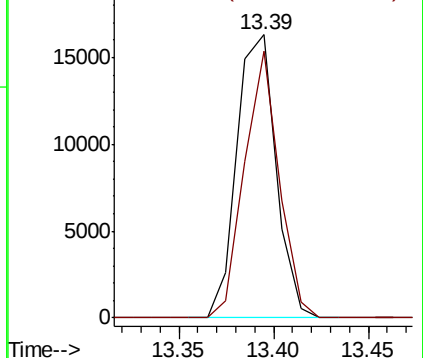
117 100

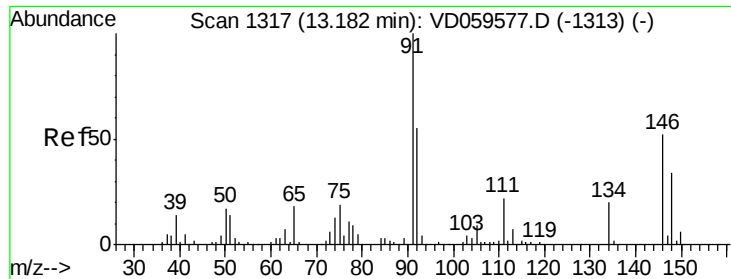
201 94.1 41.5 124.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

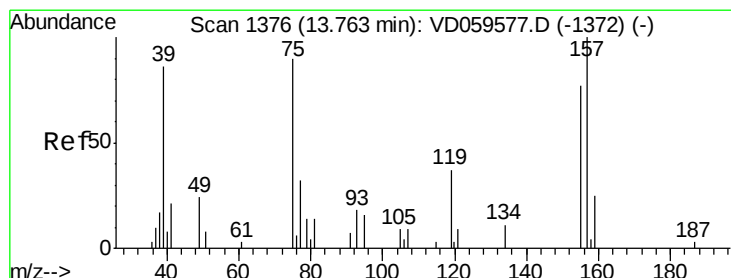
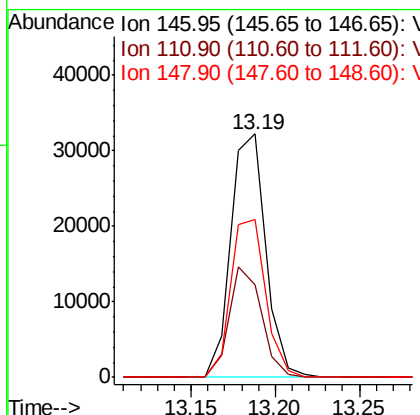
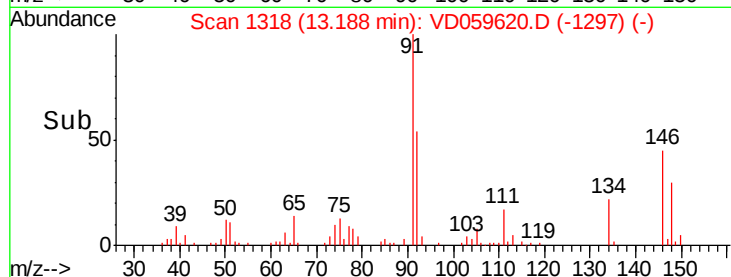
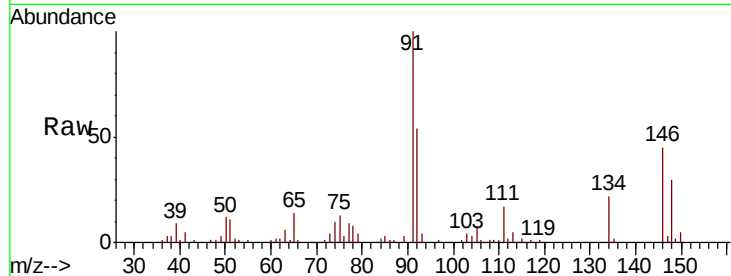




#91  
 1,2-Dichlorobenzene  
 Concen: 22.776 ug/l  
 RT: 13.19 min Scan# 1318  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

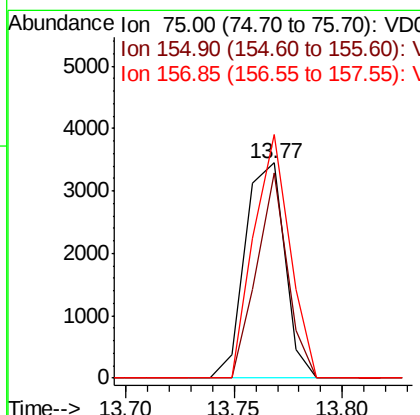
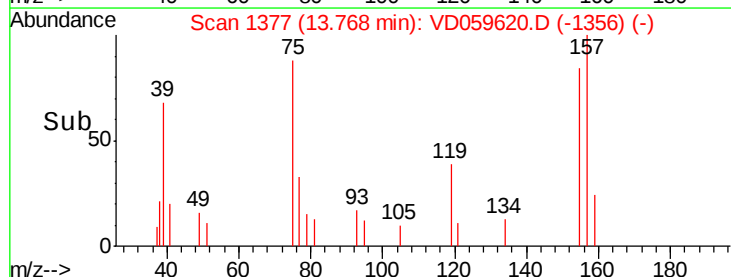
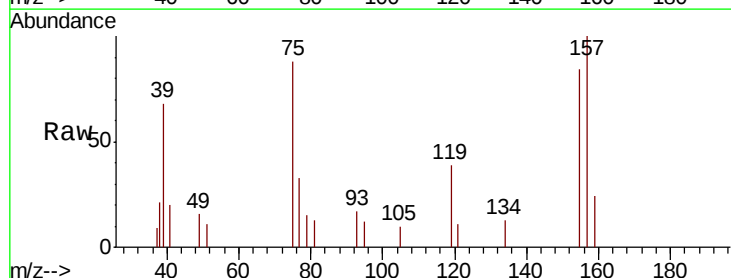
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBSD01

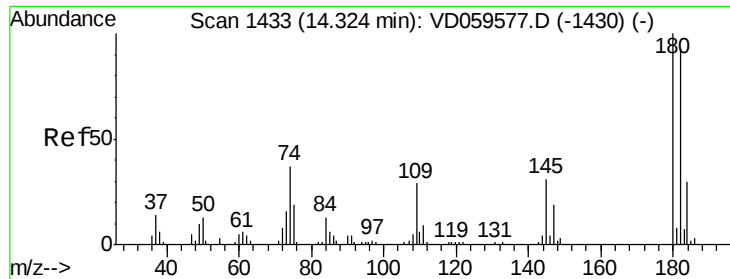
Tot Ion:146 Resp: 46419  
 Ion Ratio Lower Upper  
 146 100  
 111 38.1 21.4 64.3  
 148 65.1 32.6 98.0



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.670 ug/l  
 RT: 13.77 min Scan# 1377  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion: 75 Resp: 4376  
 Ion Ratio Lower Upper  
 75 100  
 155 95.4 42.5 127.5  
 157 113.2 55.5 166.3

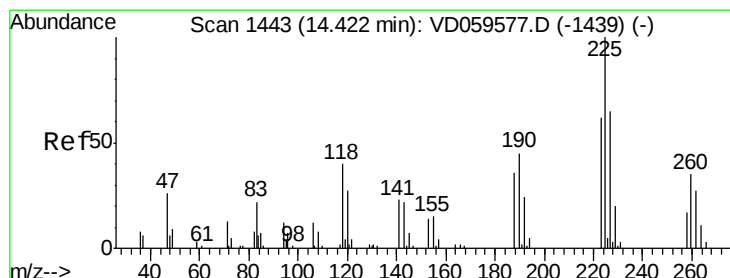
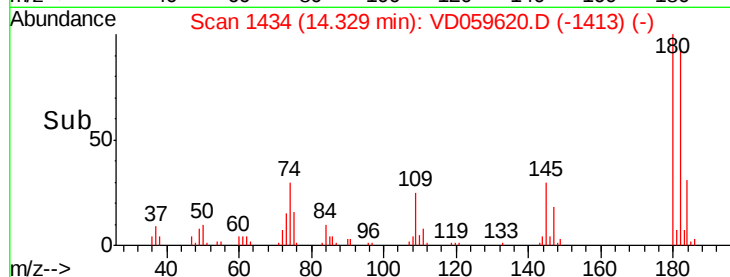
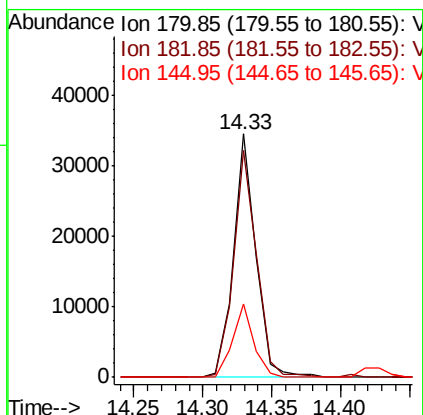
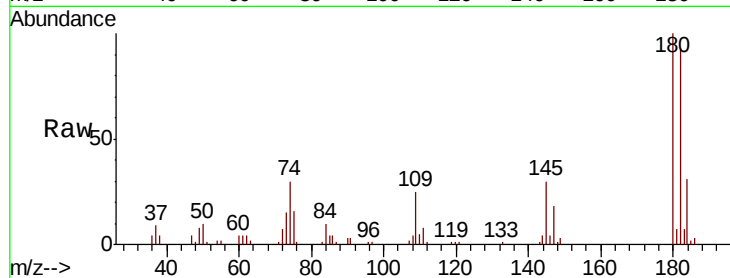




#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.056 ug/l  
 RT: 14.33 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

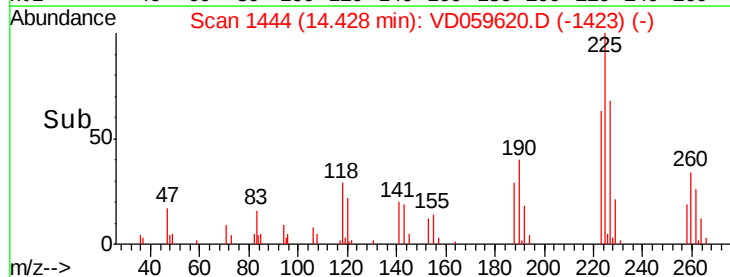
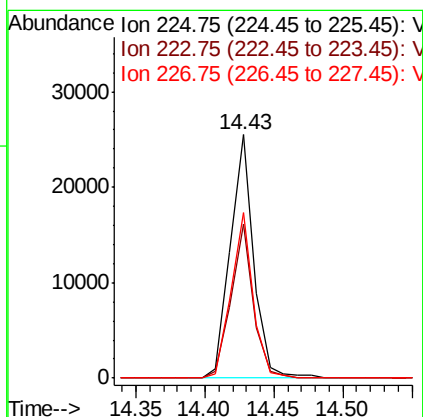
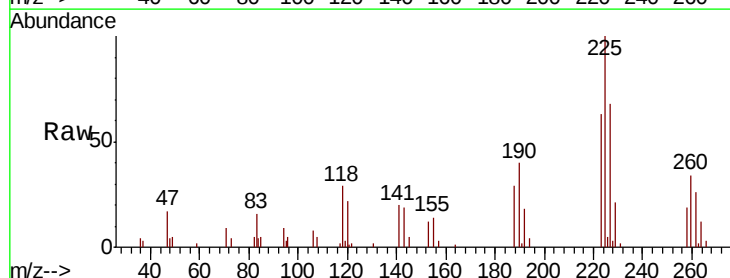
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0727SBSD01

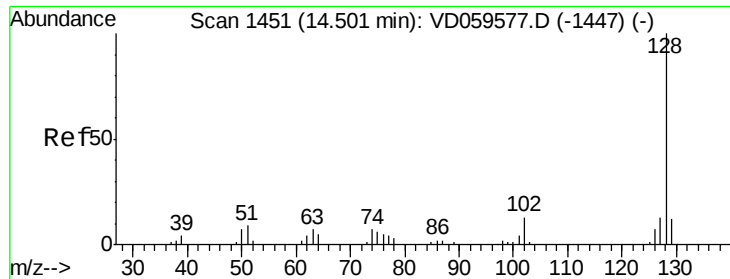
Tot Ion:180 Resp: 38913  
 Ion Ratio Lower Upper  
 180 100  
 182 93.5 46.4 139.2  
 145 30.4 15.7 47.0



#94  
 Hexachlorobutadiene  
 Concen: 22.461 ug/l  
 RT: 14.43 min Scan# 1444  
 Delta R.T. 0.01 min  
 Lab File: VD059620.D  
 Acq: 27 Jul 2018 19:21

Tgt Ion:225 Resp: 29903  
 Ion Ratio Lower Upper  
 225 100  
 223 63.0 31.1 93.5  
 227 68.1 32.4 97.2

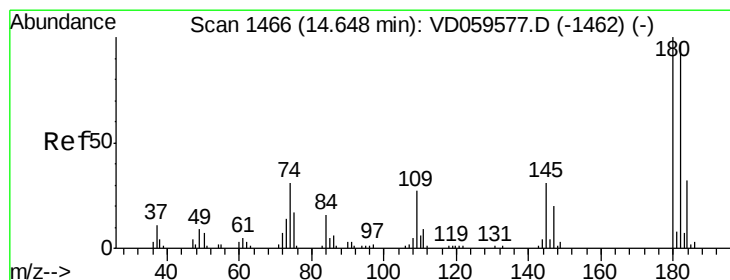
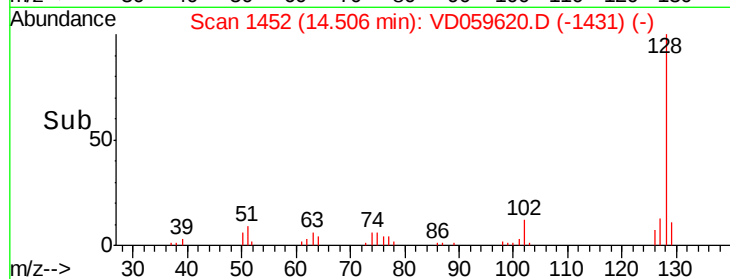
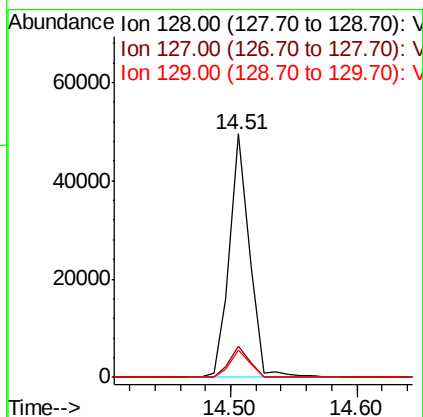
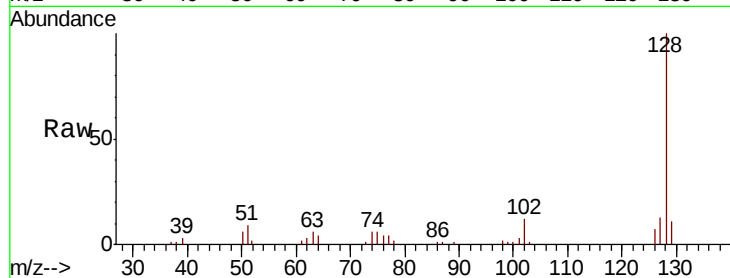




#95  
Naphthalene  
Concen: 22.544 ug/l  
RT: 14.51 min Scan# 1452  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0727SBS01

Tot Ion:128 Resp: 54112  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.5 15.7  
129 11.0 9.3 13.9



#96  
1,2,3-Trichlorobenzene  
Concen: 22.185 ug/l  
RT: 14.65 min Scan# 1467  
Delta R.T. 0.01 min  
Lab File: VD059620.D  
Acq: 27 Jul 2018 19:21

Tgt Ion:180 Resp: 33882  
Ion Ratio Lower Upper  
180 100  
182 95.0 48.6 145.9  
145 30.3 15.6 46.7

