

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103118\  
 Data File : VD060243.D  
 Acq On : 31 Oct 2018 15:55  
 Operator : VA/AP  
 Sample : VD1031SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBS01

Quant Time: Oct 31 23:52:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.40  | 168  | 1442872  | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 7.45  | 114  | 1998657  | 50.00 | ug/l  | 0.03     |
| 63) Chlorobenzene-d5       | 11.29 | 117  | 1648065  | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 13.37 | 152  | 894427   | 50.00 | ug/l  | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response   | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|------------|---------|-------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.79  | 65   | 588520     | 53.81   | ug/l  | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery = | 107.62% |       |          |
| 35) Dibromofluoromethane    | 6.33  | 113  | 833482     | 54.92   | ug/l  | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery = | 109.84% |       |          |
| 50) Toluene-d8              | 9.46  | 98   | 2301905    | 53.19   | ug/l  | 0.02     |
| Spiked Amount 50.000        |       |      | Recovery = | 106.38% |       |          |
| 62) 4-Bromofluorobenzene    | 12.43 | 95   | 863541     | 53.29   | ug/l  | 0.01     |
| Spiked Amount 50.000        |       |      | Recovery = | 106.58% |       |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units | Qvalue |
|-------------------------------|------|------|----------|---------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85   | 265380   | 19.553  | ug/l  | 99     |
| 3) Chloromethane              | 1.76 | 50   | 273562   | 22.352  | ug/l  | 100    |
| 4) Vinyl Chloride             | 1.85 | 62   | 215668   | 21.533  | ug/l  | 98     |
| 5) Bromomethane               | 2.13 | 94   | 21023    | 16.716  | ug/l  | 97     |
| 6) Chloroethane               | 2.24 | 64   | 49025    | 17.937  | ug/l  | 93     |
| 7) Trichlorofluoromethane     | 2.50 | 101  | 252597   | 21.062  | ug/l  | 100    |
| 8) Diethyl Ether              | 2.82 | 74   | 58864    | 23.870  | ug/l  | 88     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.08 | 101  | 175522   | 23.493  | ug/l  | 99     |
| 10) Methyl Iodide             | 3.25 | 142  | 151263   | 19.091  | ug/l  | 96     |
| 11) Tert butyl alcohol        | 3.98 | 59   | 88697    | 113.076 | ug/l  | 96     |
| 12) 1,1-Dichloroethene        | 3.07 | 96   | 136520   | 23.195  | ug/l  | 96     |
| 13) Acrolein                  | 2.98 | 56   | 33768    | 69.835  | ug/l  | 95     |
| 14) Allyl chloride            | 3.53 | 41   | 276162   | 22.591  | ug/l  | 99     |
| 15) Acrylonitrile             | 4.08 | 53   | 374913   | 115.474 | ug/l  | 98     |
| 16) Acetone                   | 3.16 | 43   | 277243   | 139.698 | ug/l  | 98     |
| 17) Carbon Disulfide          | 3.30 | 76   | 411720   | 20.801  | ug/l  | 100    |
| 18) Methyl Acetate            | 3.56 | 43   | 95001    | 22.272  | ug/l  | 94     |
| 19) Methyl tert-butyl Ether   | 4.12 | 73   | 596121   | 23.035  | ug/l  | 97     |
| 20) Methylene Chloride        | 3.72 | 84   | 426820   | 25.189  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 4.09 | 96   | 333420   | 21.934  | ug/l  | 98     |
| 22) Diisopropyl ether         | 4.86 | 45   | 1282592  | 23.494  | ug/l  | 99     |
| 23) Vinyl Acetate             | 4.80 | 43   | 3666128  | 119.468 | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 4.75 | 63   | 572605   | 23.133  | ug/l  | 100    |
| 25) 2-Butanone                | 5.63 | 43   | 648433   | 130.785 | ug/l  | 97     |
| 26) 2,2-Dichloropropane       | 5.59 | 77   | 451284   | 24.049  | ug/l  | 98     |
| 27) cis-1,2-Dichloroethene    | 5.59 | 96   | 373813   | 23.210  | ug/l  | 92     |
| 28) Bromochloromethane        | 5.92 | 49   | 266470   | 22.153  | ug/l  | 97     |
| 29) Tetrahydrofuran           | 5.95 | 42   | 344817   | 119.734 | ug/l  | 99     |
| 30) Chloroform                | 6.10 | 83   | 582049   | 23.246  | ug/l  | 96     |
| 31) Cyclohexane               | 6.37 | 56   | 527238   | 22.251  | ug/l  | 100    |
| 32) 1,1,1-Trichloroethane     | 6.30 | 97   | 478639   | 23.333  | ug/l  | 98     |
| 36) 1,1-Dichloropropene       | 6.52 | 75   | 432006   | 22.619  | ug/l  | 96     |
| 37) Ethyl Acetate             | 5.70 | 43   | 296152   | 23.361  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 6.50 | 117  | 401104   | 23.139  | ug/l  | 98     |

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 Sample : VD1031SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1031SBS01

Quant Time: Oct 31 23:52:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 06:56:35 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.04  | 83   | 479287   | 22.087  | ug/l   | 98       |
| 40) Benzene                    | 6.80  | 78   | 1120163  | 22.419  | ug/l   | 100      |
| 41) Methacrylonitrile          | 5.95  | 41   | 342571   | 47.809  | ug/l # | 93       |
| 42) 1,2-Dichloroethane         | 6.90  | 62   | 327988   | 22.896  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.35  | 43   | 371557   | 22.278  | ug/l # | 99       |
| 44) Trichloroethene            | 7.74  | 130  | 342029   | 22.113  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 8.11  | 63   | 297533   | 22.742  | ug/l   | 99       |
| 46) Dibromomethane             | 8.22  | 93   | 189364   | 22.356  | ug/l   | 90       |
| 47) Bromodichloromethane       | 8.49  | 83   | 416978   | 23.104  | ug/l   | 98       |
| 48) Methyl methacrylate        | 8.24  | 41   | 217106   | 22.853  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.23  | 88   | 43219    | 462.365 | ug/l # | 87       |
| 51) 4-Methyl-2-Pentanone       | 9.35  | 43   | 1260026  | 119.781 | ug/l   | 99       |
| 52) Toluene                    | 9.55  | 92   | 712487   | 22.141  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 9.92  | 75   | 378184   | 23.158  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 9.10  | 75   | 465916   | 23.104  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.18 | 97   | 246137   | 23.397  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.04 | 69   | 268637   | 23.133  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.39 | 76   | 371193   | 23.135  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.92  | 63   | 785321   | 121.782 | ug/l   | 96       |
| 59) 2-Hexanone                 | 10.49 | 43   | 949213   | 125.486 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.65 | 129  | 290385   | 22.498  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 10.76 | 107  | 252619   | 22.600  | ug/l   | 95       |
| 64) Tetrachloroethene          | 10.25 | 164  | 314551   | 21.791  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.32 | 112  | 821529   | 23.042  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 11.42 | 131  | 274718   | 23.097  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.43 | 91   | 1394233  | 24.136  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.57 | 106  | 1014138  | 46.987  | ug/l   | 100      |
| 69) o-Xylene                   | 11.93 | 106  | 486319   | 22.780  | ug/l   | 91       |
| 70) Styrene                    | 11.95 | 104  | 814661   | 22.819  | ug/l   | 97       |
| 71) Bromoform                  | 12.12 | 173  | 216783   | 22.508  | ug/l   | 97       |
| 73) Isopropylbenzene           | 12.28 | 105  | 1349107  | 22.863  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.13 | 43   | 490371   | 22.688  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.56 | 83   | 287926   | 22.351  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 12.59 | 75   | 293163   | 22.760  | ug/l   | 98       |
| 77) Bromobenzene               | 12.55 | 156  | 374712   | 21.853  | ug/l   | 86       |
| 78) n-propylbenzene            | 12.64 | 91   | 1738836  | 23.732  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 12.71 | 91   | 936380   | 23.027  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 12.79 | 105  | 1078537  | 23.616  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.35 | 75   | 78108    | 21.581  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.81 | 91   | 1077307  | 23.422  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.05 | 119  | 1228198  | 23.436  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.10 | 105  | 1118657  | 23.241  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.22 | 105  | 1471477  | 23.747  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.34 | 119  | 1176439  | 23.147  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.31 | 146  | 671467   | 22.476  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.39 | 146  | 681439   | 22.709  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.65 | 91   | 1172129  | 23.636  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.86 | 117  | 273875   | 23.284  | ug/l   | 70       |
| 91) 1,2-Dichlorobenzene        | 13.67 | 146  | 574188   | 22.858  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.23 | 75   | 38861    | 22.593  | ug/l   | 93       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD103118\  
Data File : VD060243.D  
Acq On : 31 Oct 2018 15:55  
Operator : VA/AP  
Sample : VD1031SBSD01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

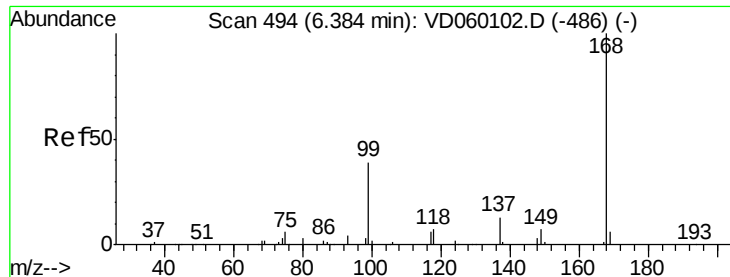
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBSD01

Quant Time: Oct 31 23:52:48 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D100118S.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 06:56:35 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.79 | 180  | 468091   | 21.954 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.88 | 225  | 315184   | 22.239 | ug/l  | 99       |
| 95) Naphthalene            | 14.97 | 128  | 699900   | 22.146 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.11 | 180  | 407888   | 21.992 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

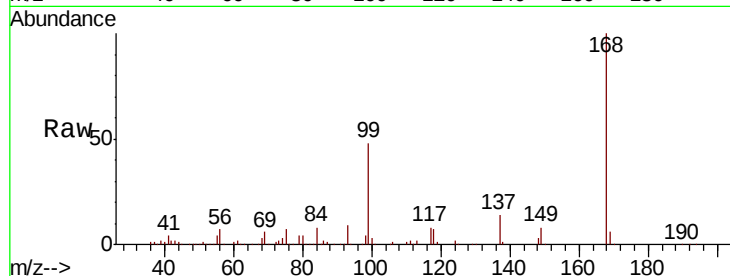
VD1031SBS01

Tot Ion:168 Resp: 1442872

Ion Ratio Lower Upper

168 100

99 48.1 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.40

500000

400000

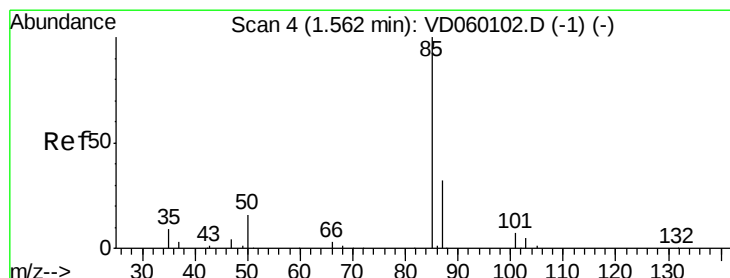
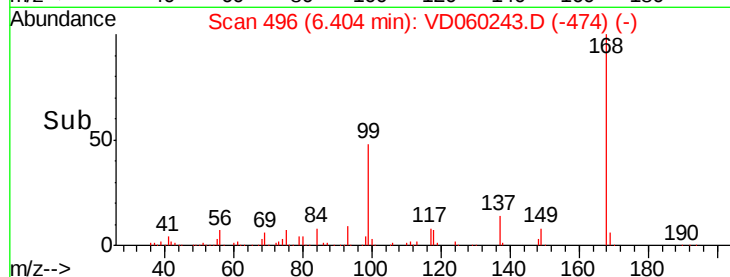
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.553 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060243.D

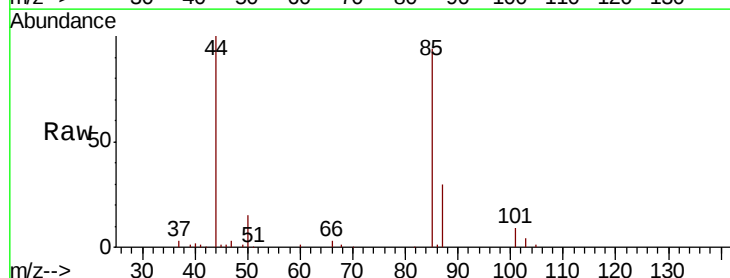
Acq: 31 Oct 2018 15:55

Tgt Ion: 85 Resp: 265380

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

120000

100000

80000

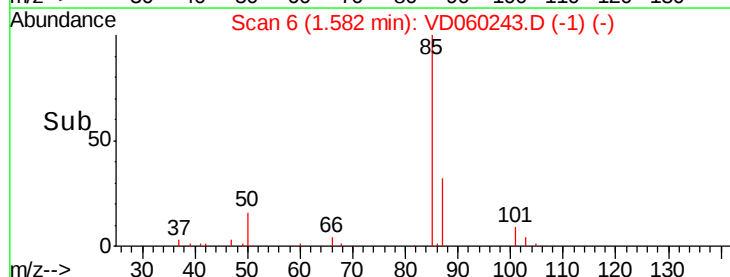
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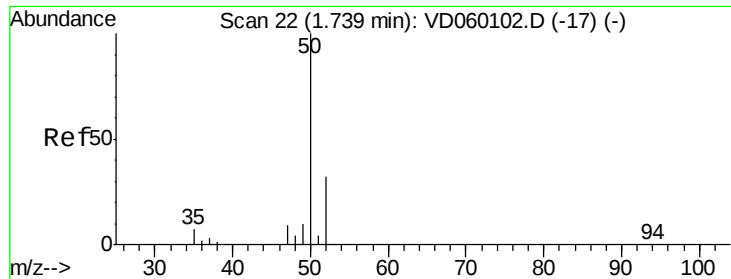
40000

20000

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Time-->





#3

Chloromethane

Concen: 22.352 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

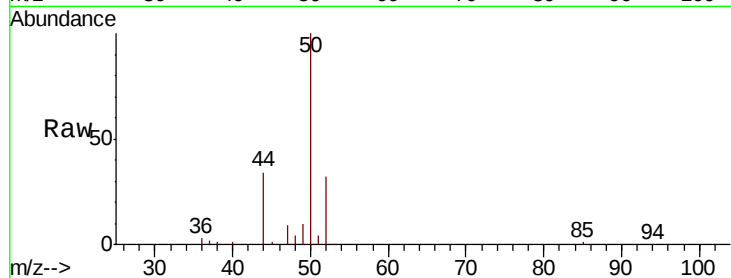
VD1031SBSD01

Tot Ion: 50 Resp: 273562

Ion Ratio Lower Upper

50 100

52 31.7 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

100000

80000

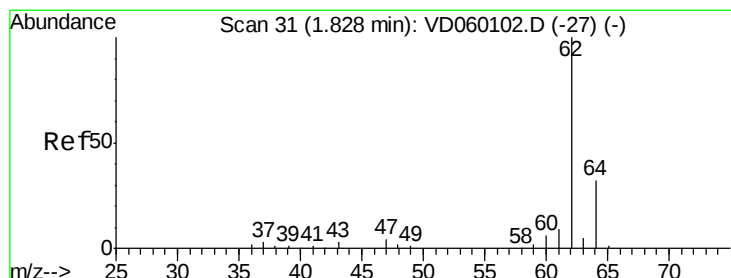
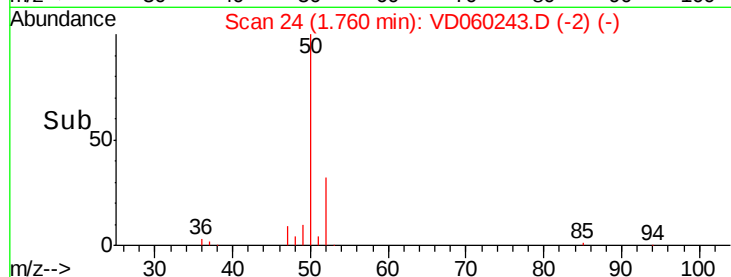
60000

40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 21.533 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060243.D

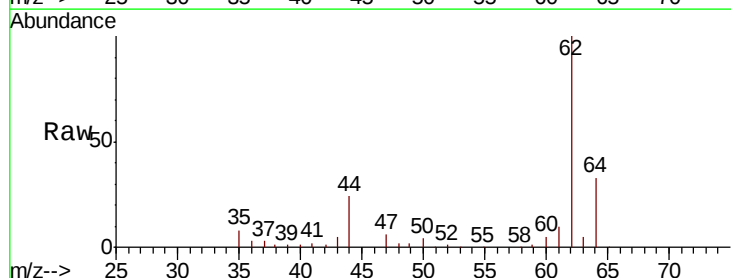
Acq: 31 Oct 2018 15:55

Tgt Ion: 62 Resp: 215668

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

120000

100000

80000

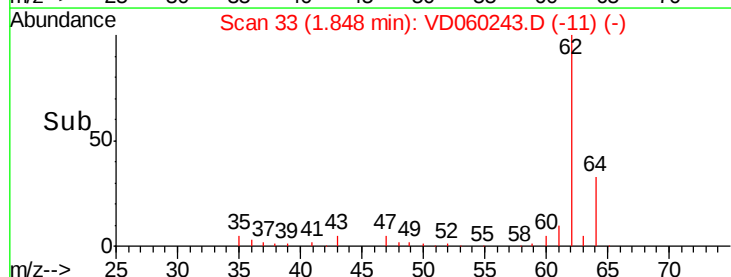
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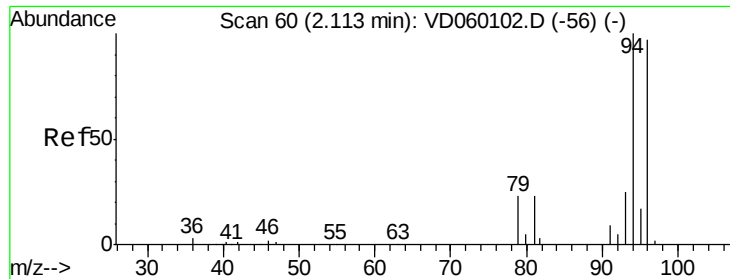
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Time-->

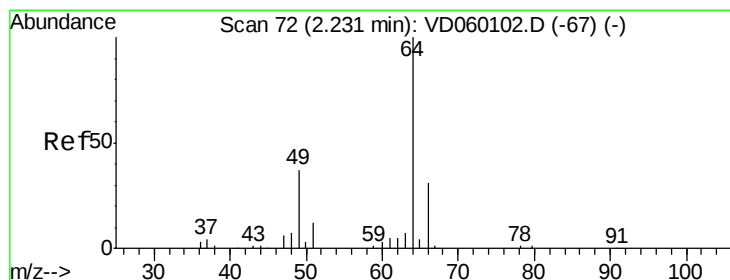
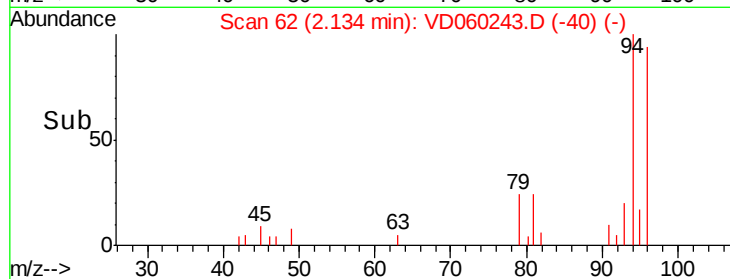
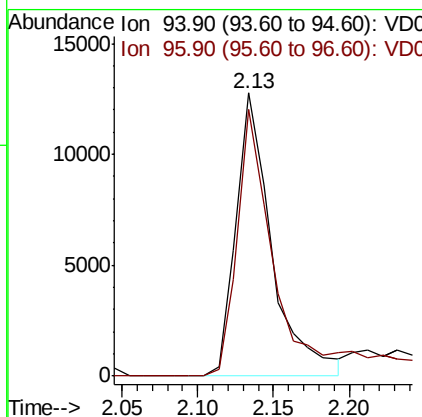
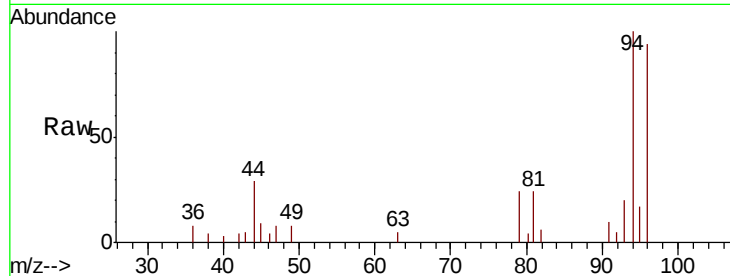




#5  
Bromomethane  
Concen: 16.716 ug/l  
RT: 2.13 min Scan# 62  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

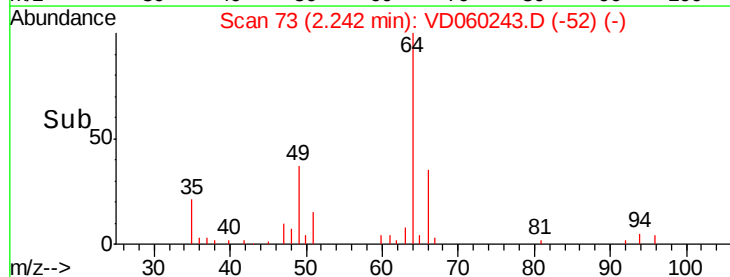
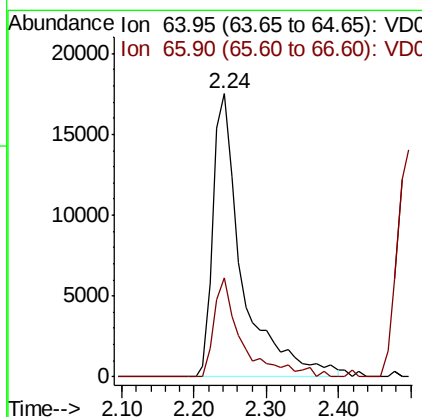
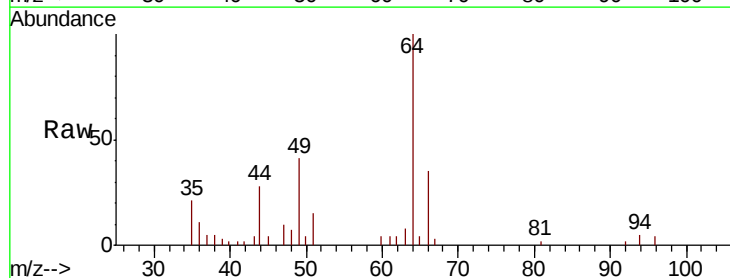
Instrument :  
MSVOA\_D  
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VD1031SBS01

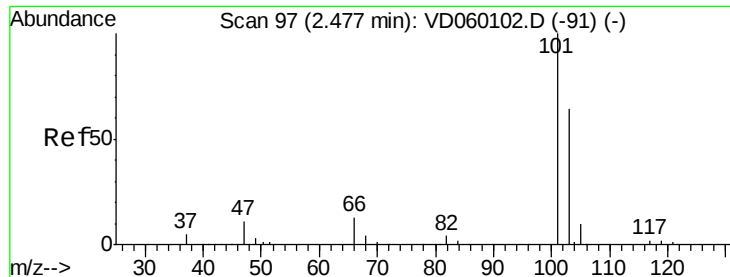
Tot Ion: 94 Resp: 21023  
Ion Ratio Lower Upper  
94 100  
96 94.3 77.4 116.2



#6  
Chloroethane  
Concen: 17.937 ug/l  
RT: 2.24 min Scan# 73  
Delta R.T. 0.01 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion: 64 Resp: 49025  
Ion Ratio Lower Upper  
64 100  
66 34.8 24.6 37.0





#7

Trichlorofluoromethane

Concen: 21.062 ug/l

RT: 2.50 min Scan# 99

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

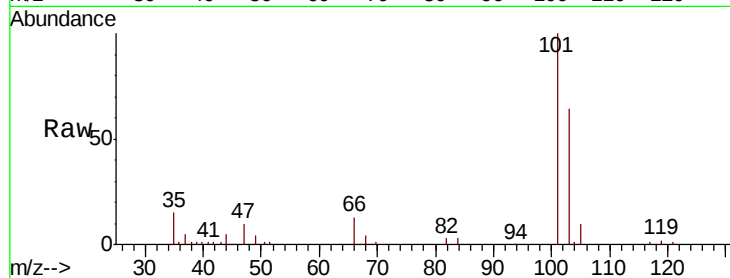
VD1031SBSD01

Tot Ion:101 Resp: 252597

Ion Ratio Lower Upper

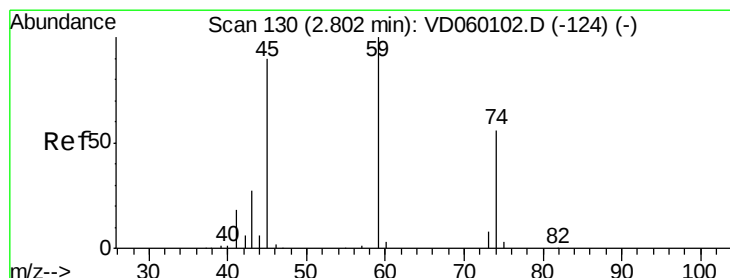
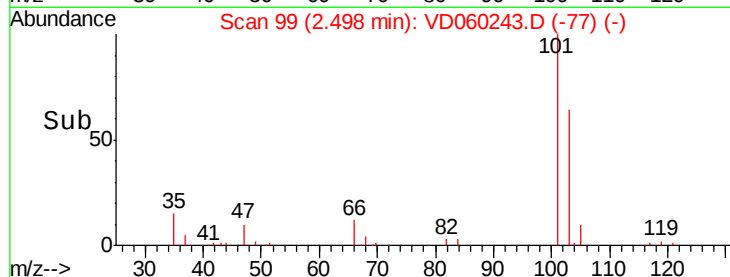
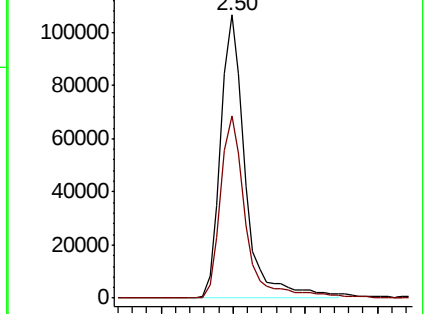
101 100

103 64.2 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 23.870 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.02 min

Lab File: VD060243.D

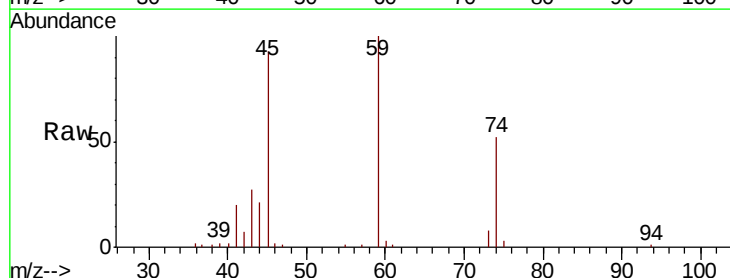
Acq: 31 Oct 2018 15:55

Tgt Ion: 74 Resp: 58864

Ion Ratio Lower Upper

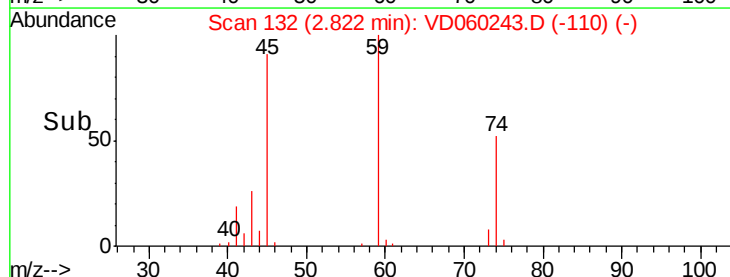
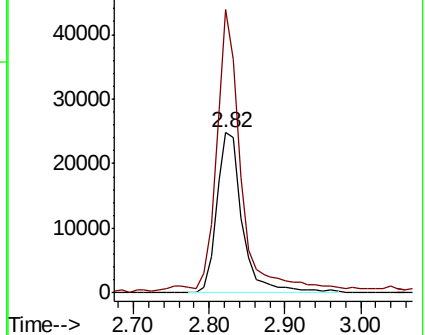
74 100

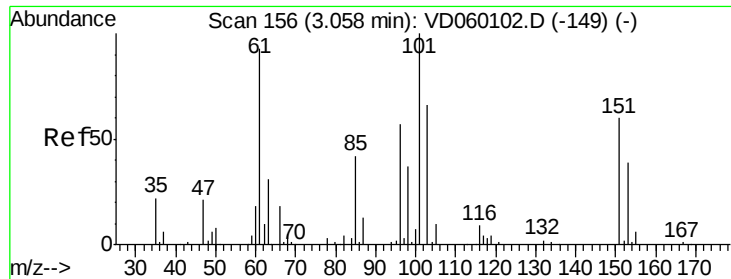
45 177.0 80.3 241.0



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: 23.493 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

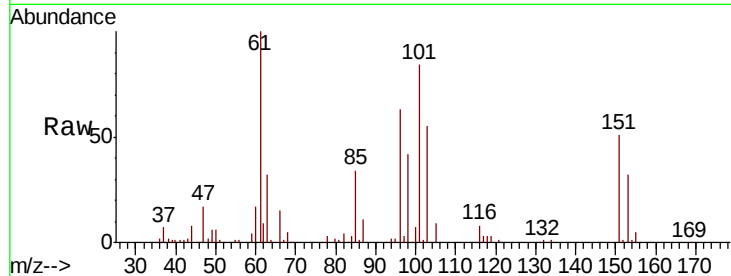
Tot Ion:101 Resp: 175522

Ion Ratio Lower Upper

101 100

85 40.7 33.4 50.0

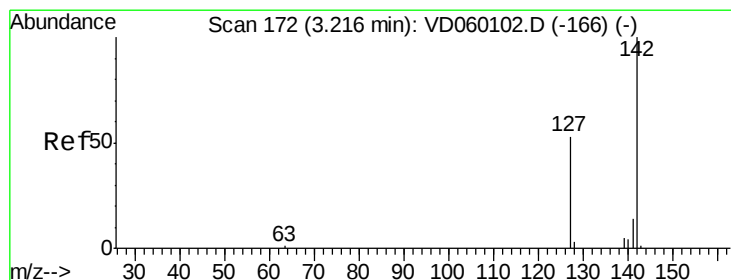
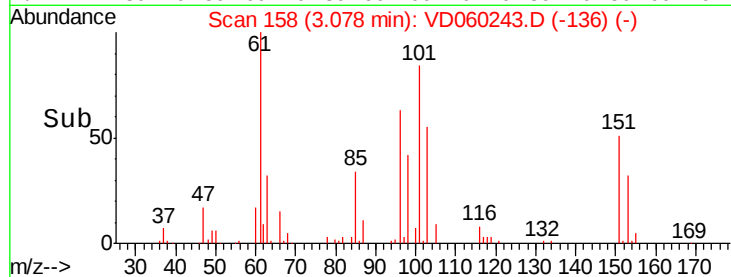
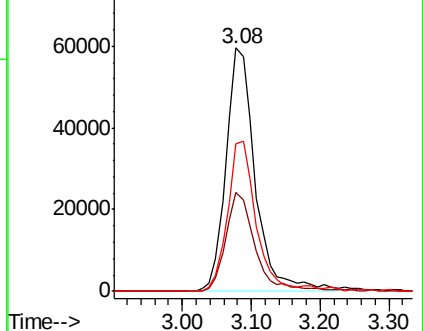
151 60.5 48.0 72.0



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: 19.091 ug/l

RT: 3.25 min Scan# 175

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

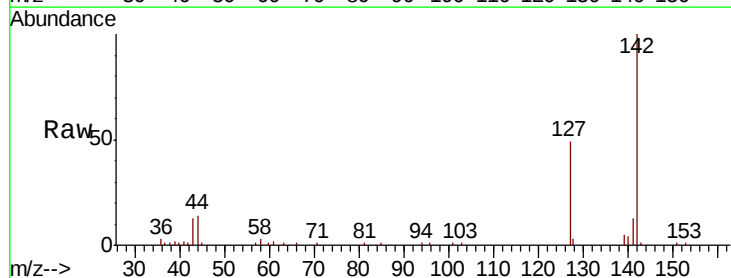
Tgt Ion:142 Resp: 151263

Ion Ratio Lower Upper

142 100

127 49.1 42.0 63.0

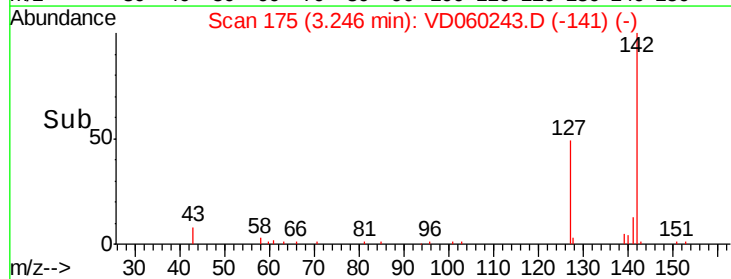
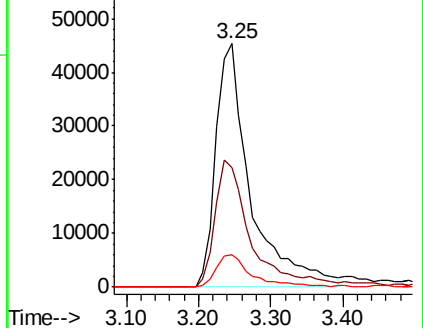
141 13.2 11.4 17.0

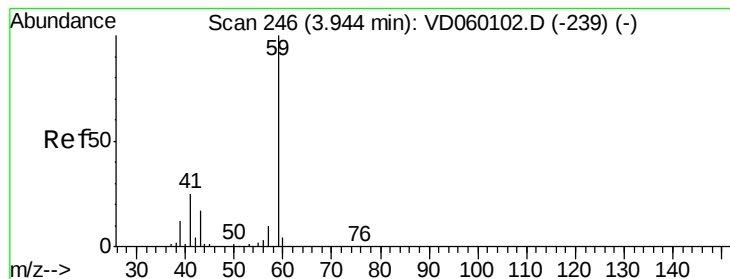


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



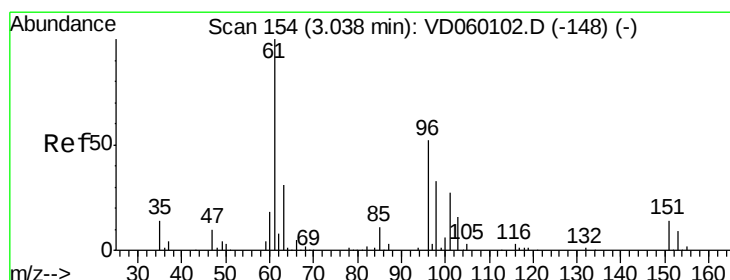
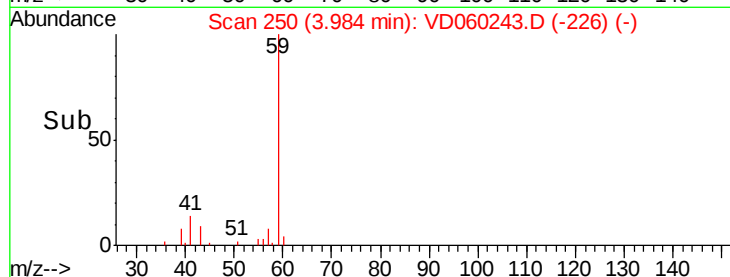
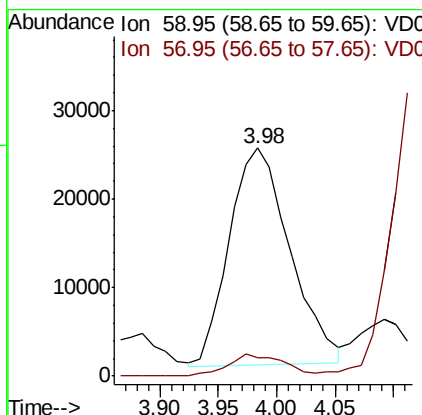
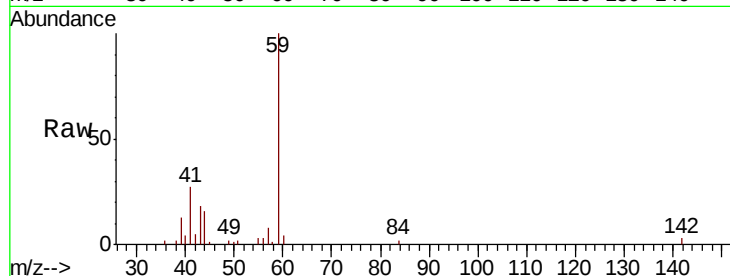


#11

Tert butyl alcohol  
 Concen: 113.076 ug/l  
 RT: 3.98 min Scan# 250  
 Delta R.T. 0.04 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBSD01

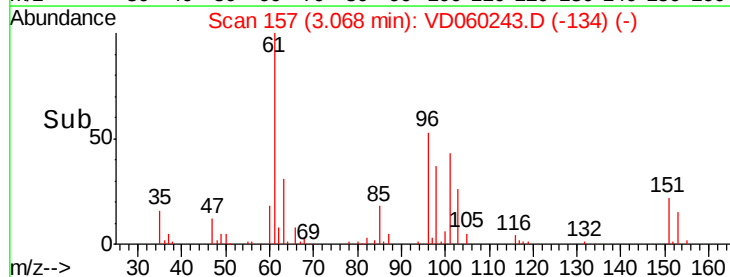
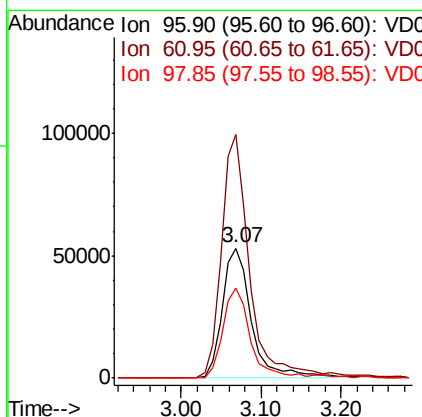
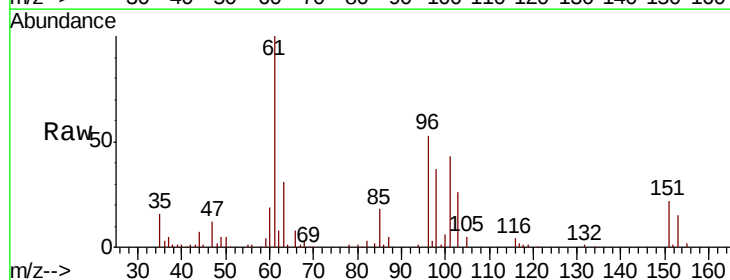
Tot Ion: 59 Resp: 88697  
 Ion Ratio Lower Upper  
 59 100  
 57 8.2 7.8 11.6

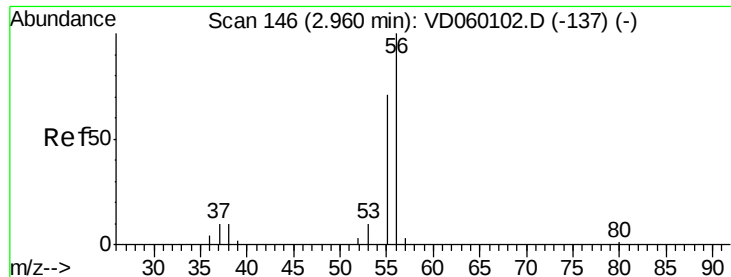


#12

1,1-Dichloroethene  
 Concen: 23.195 ug/l  
 RT: 3.07 min Scan# 157  
 Delta R.T. 0.03 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion: 96 Resp: 136520  
 Ion Ratio Lower Upper  
 96 100  
 61 187.5 153.0 229.4  
 98 69.3 51.1 76.7





#13

Acrolein

Concen: 69.835 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

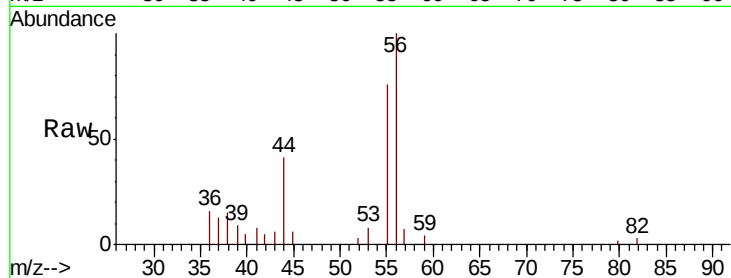
VD1031SBS01

Tot Ion: 56 Resp: 33768

Ion Ratio Lower Upper

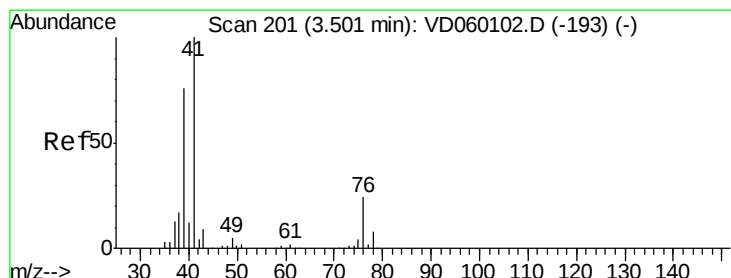
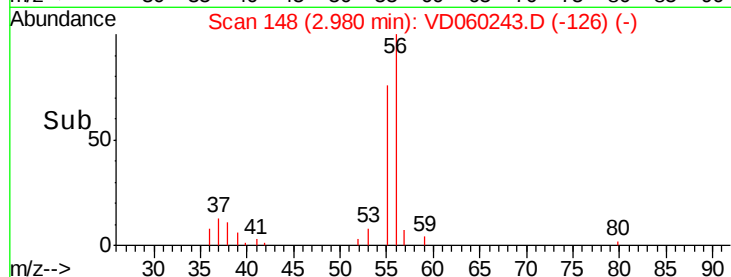
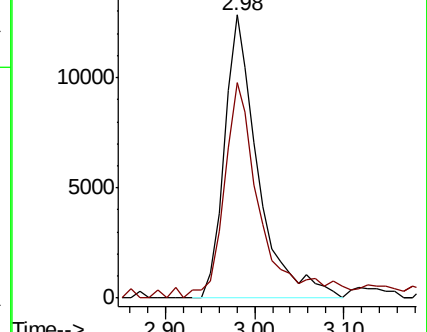
56 100

55 76.3 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.591 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

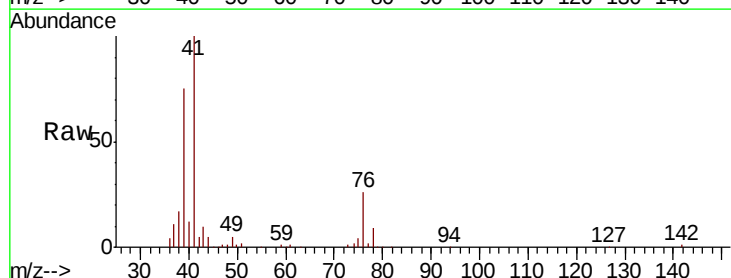
Tgt Ion: 41 Resp: 276162

Ion Ratio Lower Upper

41 100

39 74.7 60.6 90.8

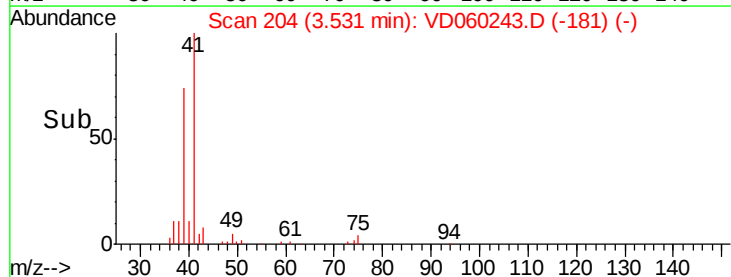
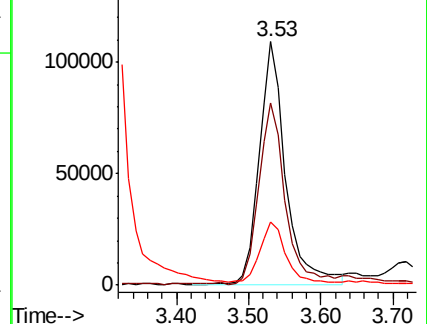
76 26.0 21.3 31.9

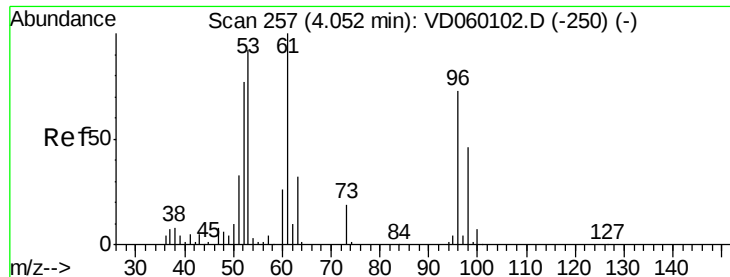


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 115.474 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

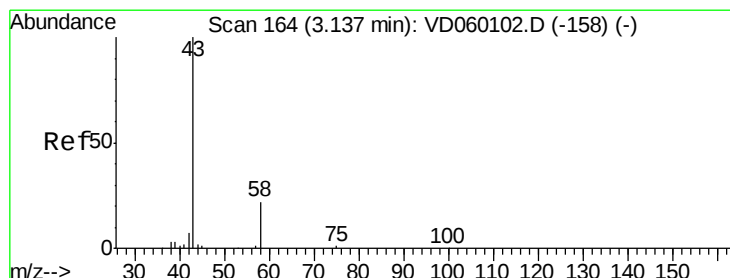
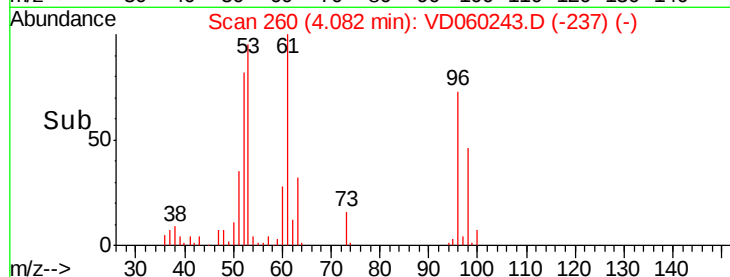
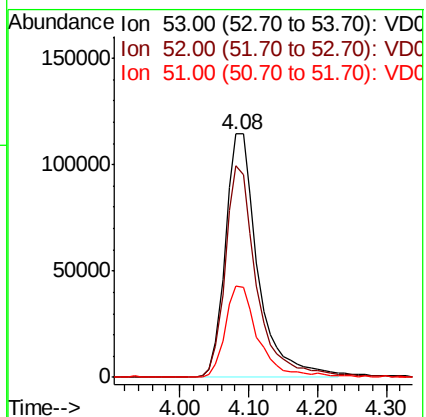
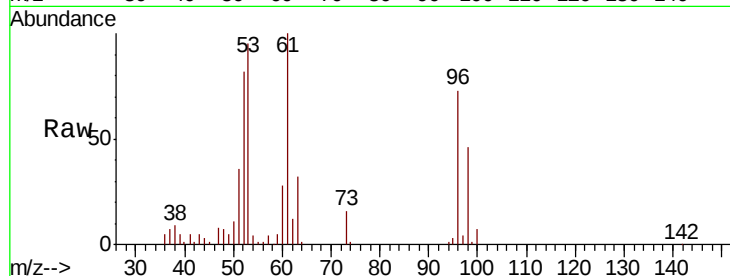
Tot Ion: 53 Resp: 374913

Ion Ratio Lower Upper

53 100

52 86.8 67.5 101.3

51 37.6 29.3 43.9



#16

Acetone

Concen: 139.698 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060243.D

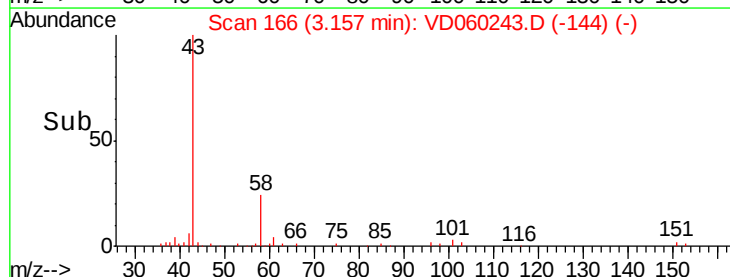
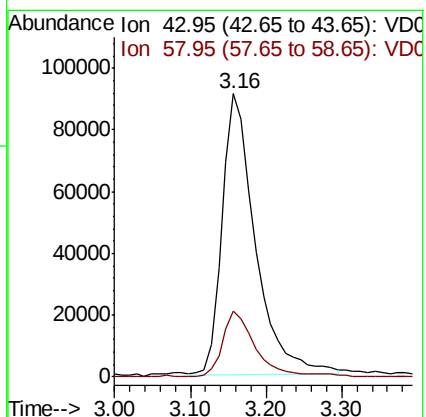
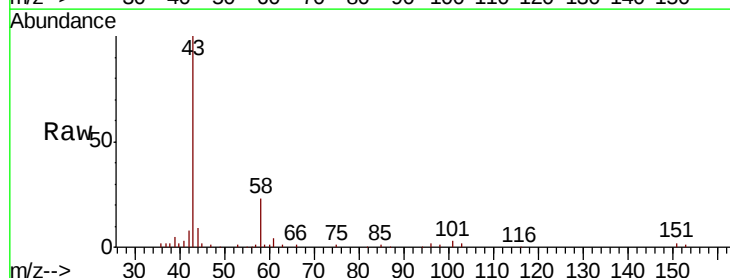
Acq: 31 Oct 2018 15:55

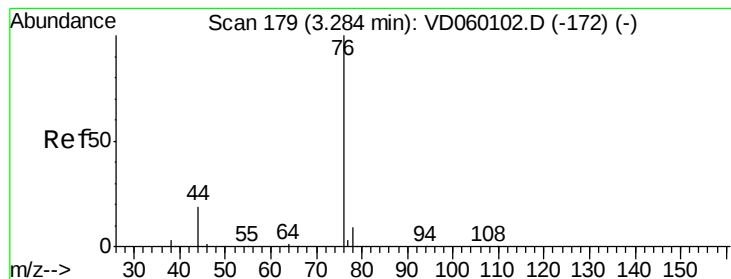
Tgt Ion: 43 Resp: 277243

Ion Ratio Lower Upper

43 100

58 23.2 17.7 26.5





#17

Carbon Disulfide

Concen: 20.801 ug/l

RT: 3.30 min Scan# 181

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

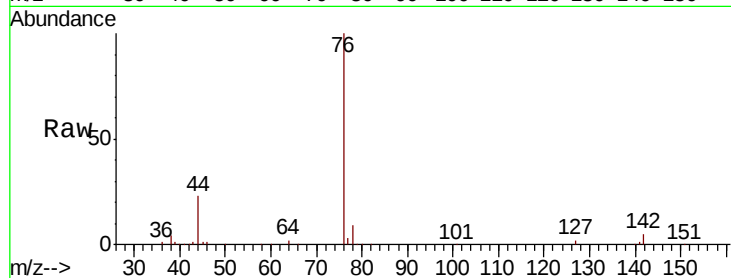
VD1031SBSD01

Tot Ion: 76 Resp: 411720

Ion Ratio Lower Upper

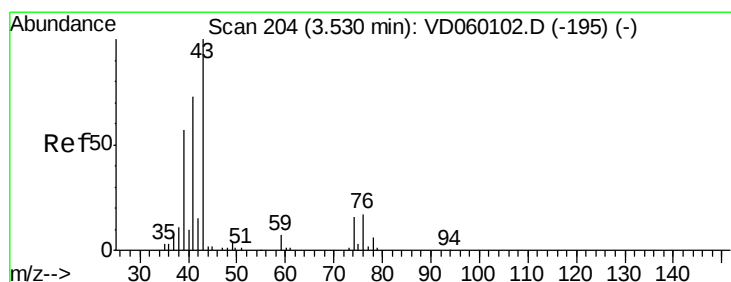
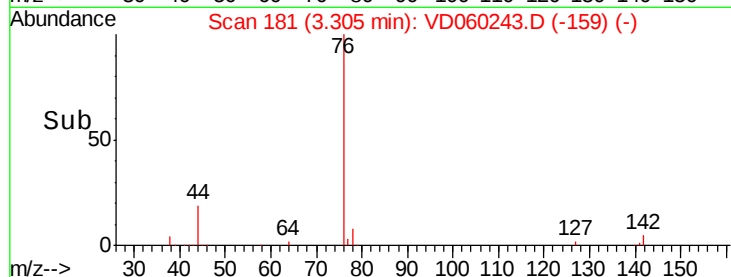
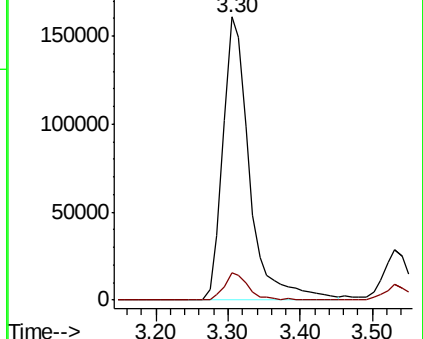
76 100

78 9.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 22.272 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.03 min

Lab File: VD060243.D

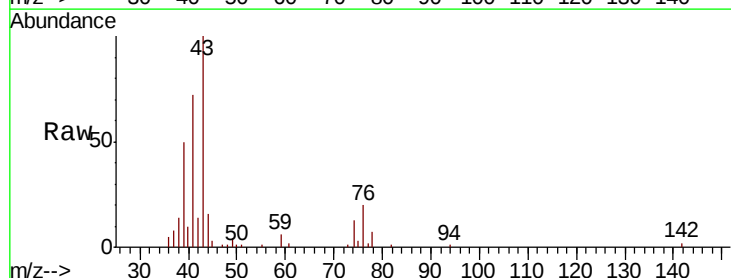
Acq: 31 Oct 2018 15:55

Tgt Ion: 43 Resp: 95001

Ion Ratio Lower Upper

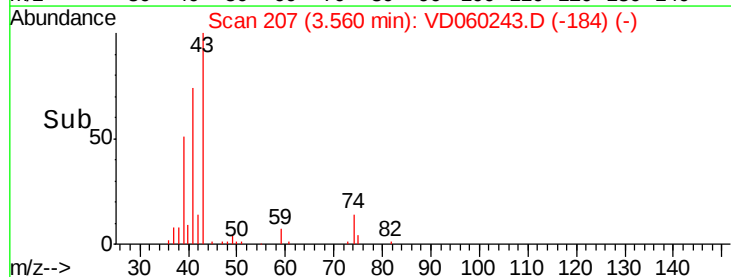
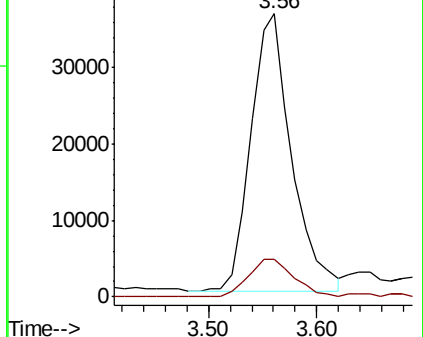
43 100

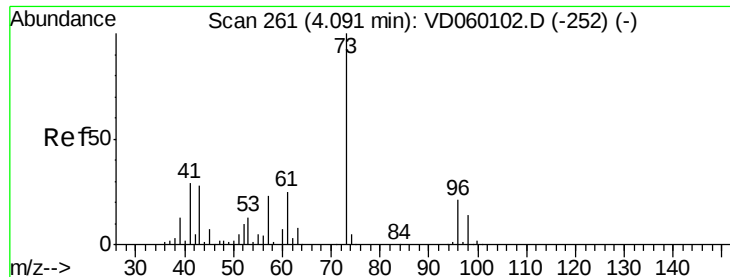
74 13.2 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

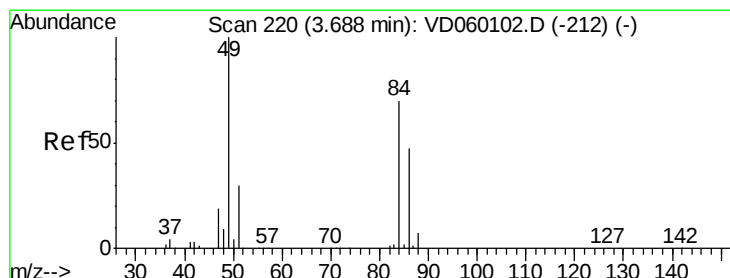
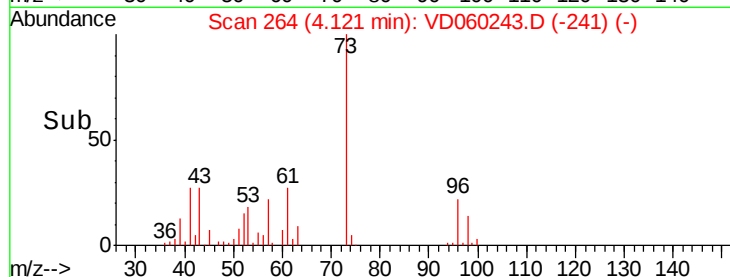
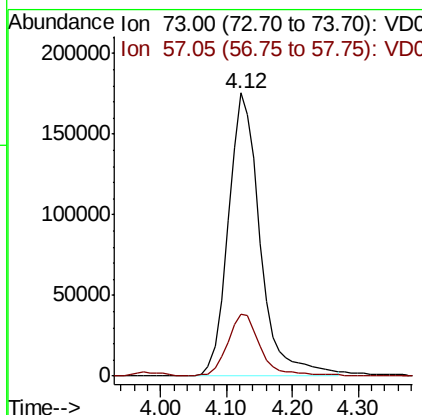
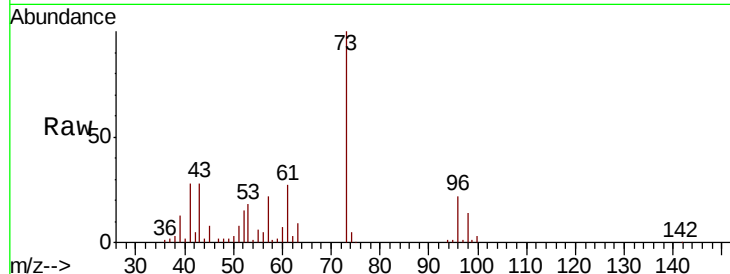




#19  
Methyl tert-butyl Ether  
Concen: 23.035 ug/l  
RT: 4.12 min Scan# 264  
Delta R.T. 0.03 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

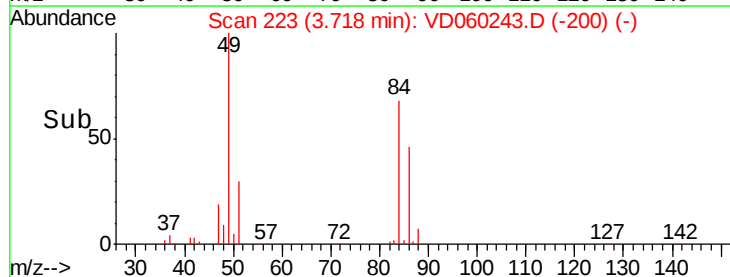
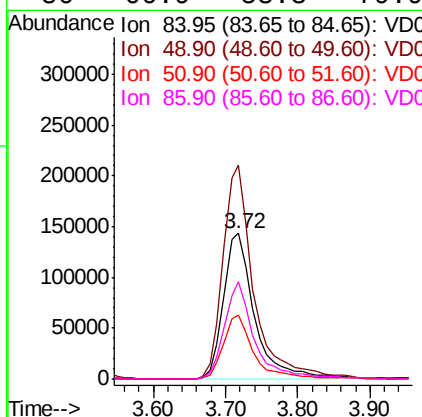
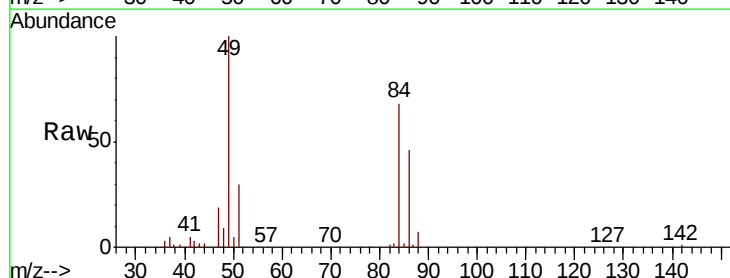
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBS01

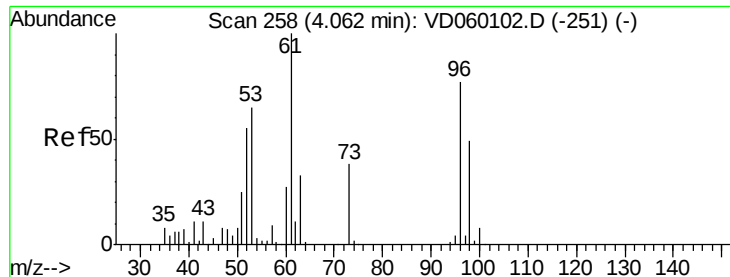
Tot Ion: 73 Resp: 596121  
Ion Ratio Lower Upper  
73 100  
57 21.9 18.7 28.1



#20  
Methylene Chloride  
Concen: 25.189 ug/l  
RT: 3.72 min Scan# 223  
Delta R.T. 0.03 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion: 84 Resp: 426820  
Ion Ratio Lower Upper  
84 100  
49 147.0 114.6 172.0  
51 44.3 33.8 50.8  
86 66.9 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.934 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

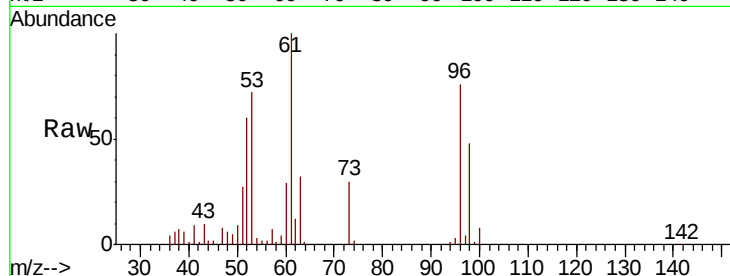
Tot Ion: 96 Resp: 333420

Ion Ratio Lower Upper

96 100

61 131.5 103.3 154.9

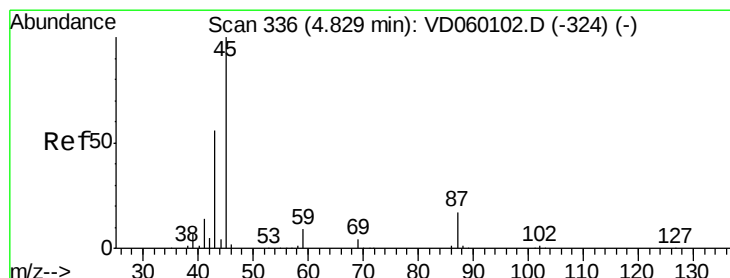
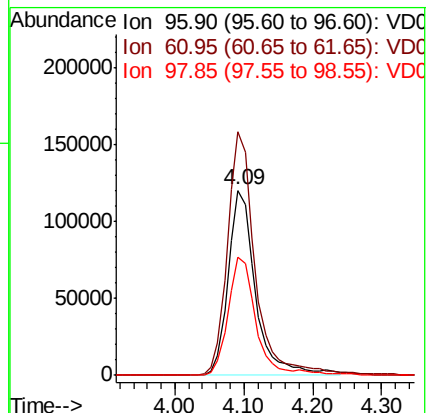
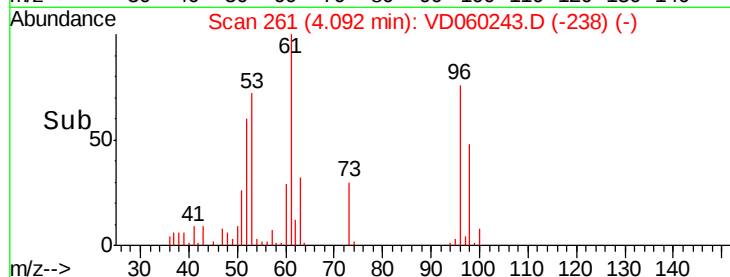
98 63.7 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 23.494 ug/l

RT: 4.86 min Scan# 339

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Tgt Ion: 45 Resp: 1282592

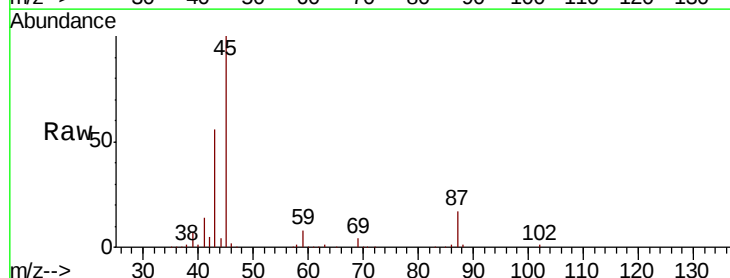
Ion Ratio Lower Upper

45 100

43 56.5 44.8 67.2

87 16.8 13.9 20.9

59 8.1 7.1 10.7

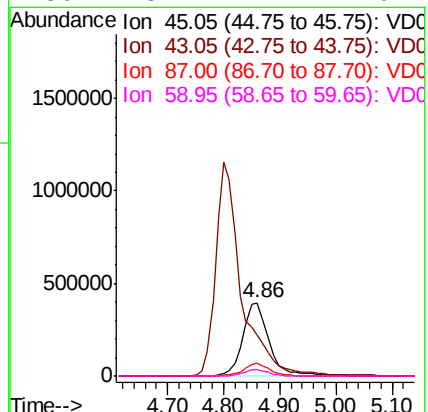
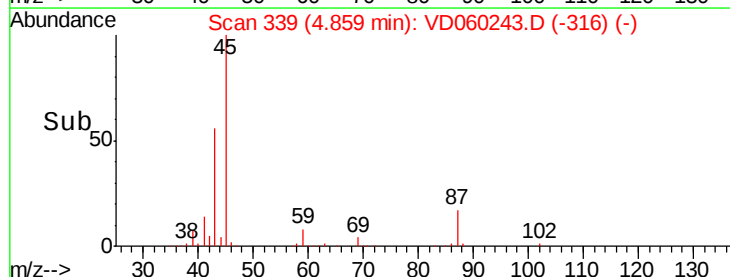


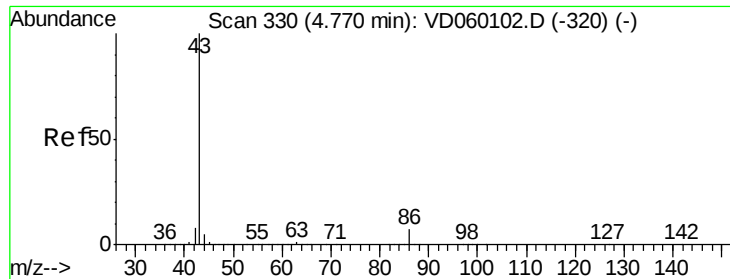
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 119.468 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

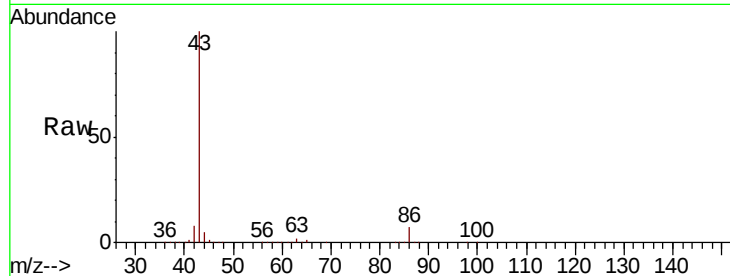
VD1031SBS01

Tot Ion: 43 Resp: 3666128

Ion Ratio Lower Upper

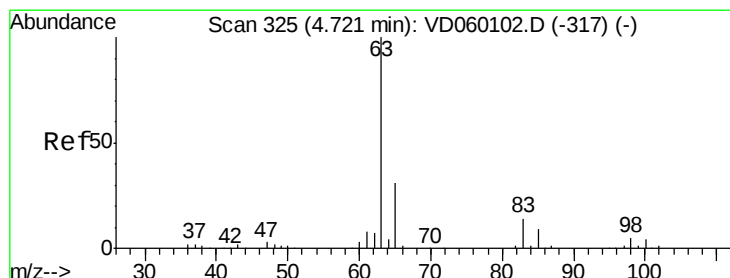
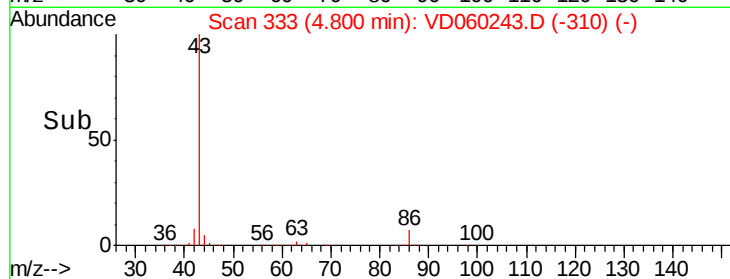
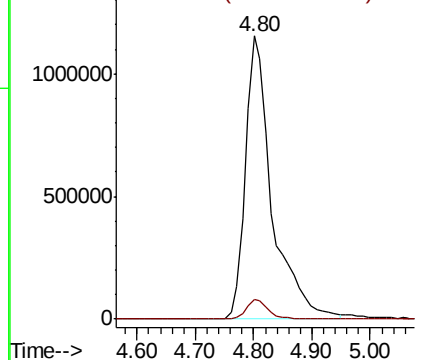
43 100

86 6.8 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.133 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

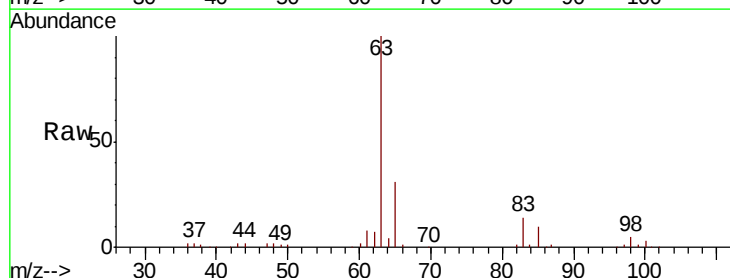
Tgt Ion: 63 Resp: 572605

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

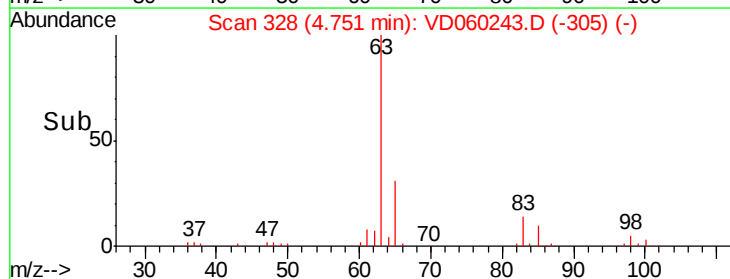
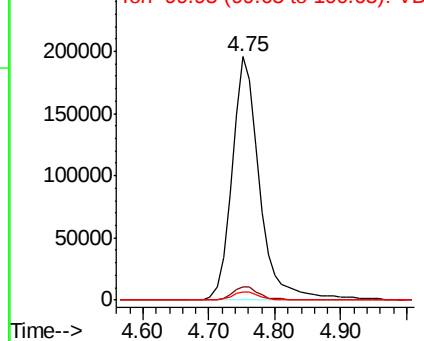
100 3.2 1.8 5.3

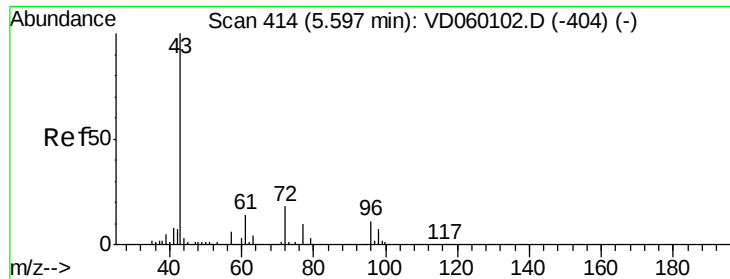


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 130.785 ug/l

RT: 5.63 min Scan# 417

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

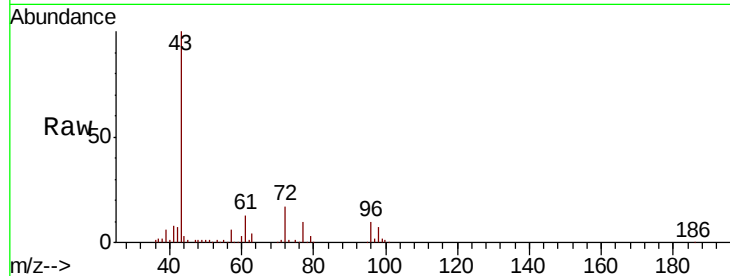
VD1031SBS01

Tot Ion: 43 Resp: 648433

Ion Ratio Lower Upper

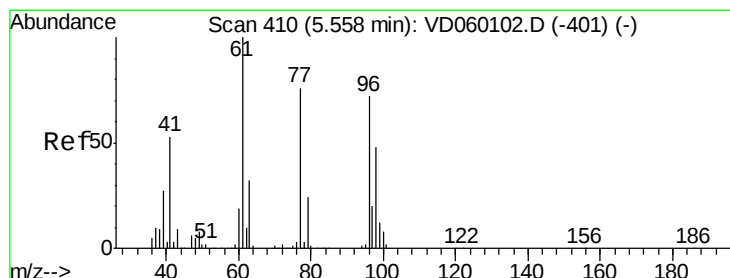
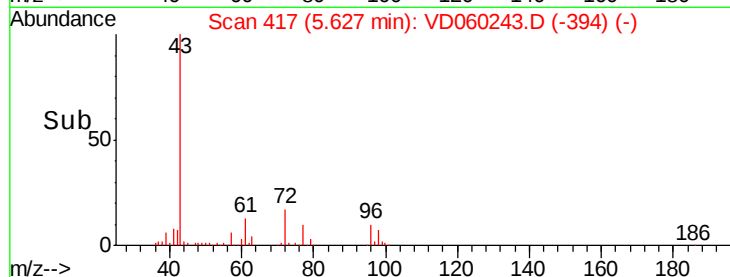
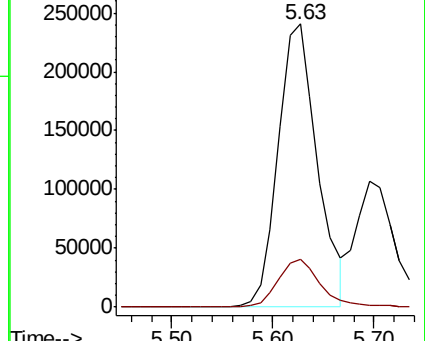
43 100

72 16.7 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 24.049 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060243.D

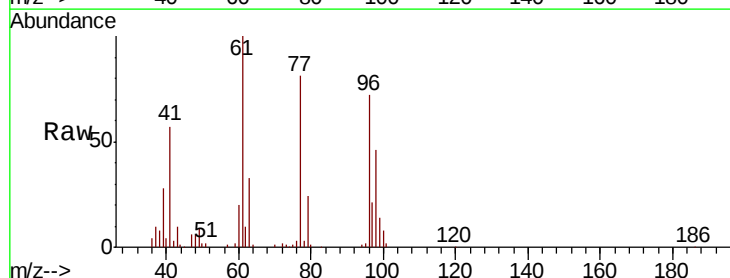
Acq: 31 Oct 2018 15:55

Tgt Ion: 77 Resp: 451284

Ion Ratio Lower Upper

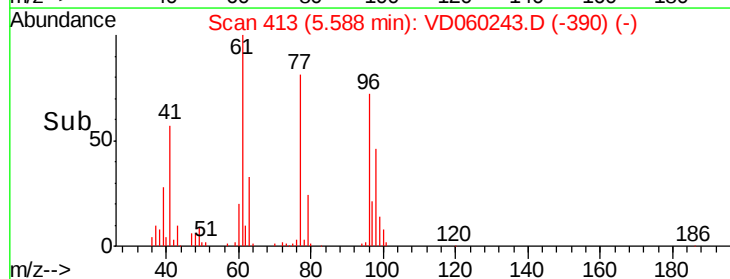
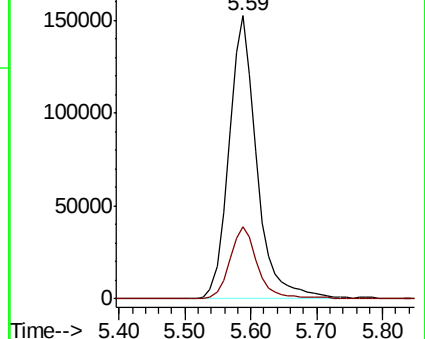
77 100

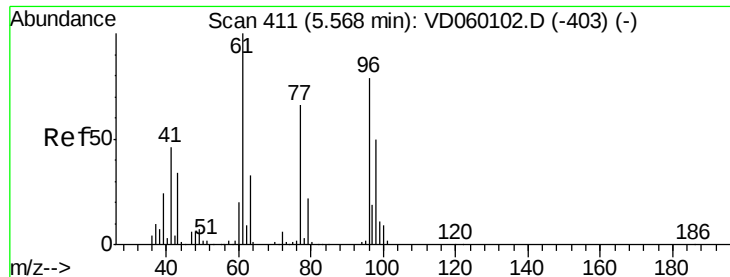
97 25.7 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



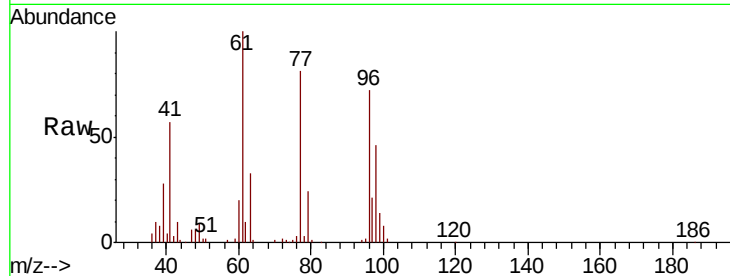


#27

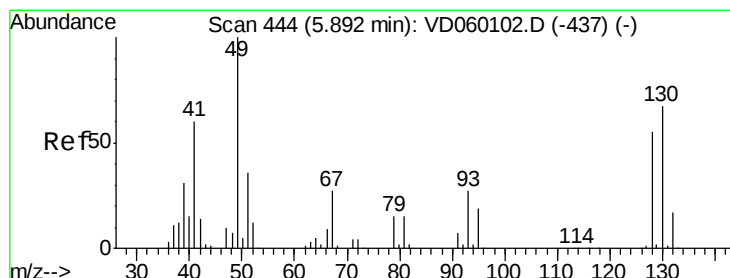
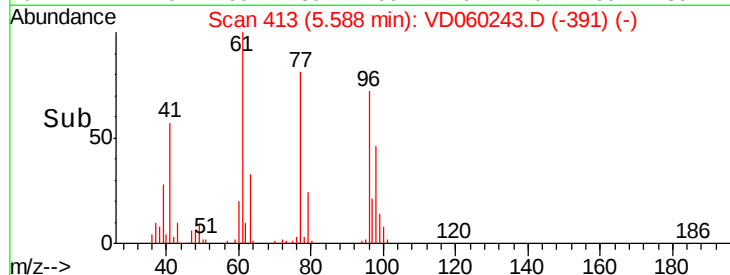
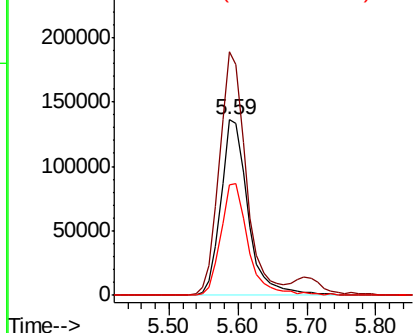
cis-1,2-Dichloroethene  
Concen: 23.210 ug/l  
RT: 5.59 min Scan# 413  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBSD01

Tot Ion: 96 Resp: 373813  
Ion Ratio Lower Upper  
96 100  
61 138.6 0.0 251.8  
98 63.2 0.0 125.2



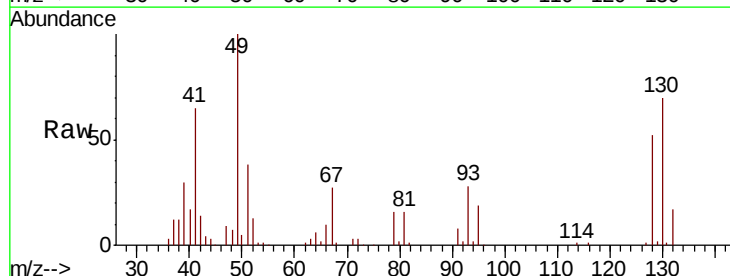
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



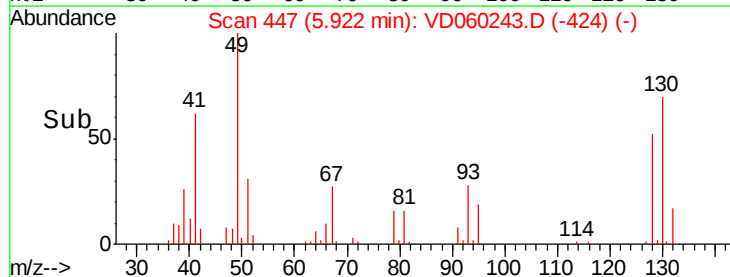
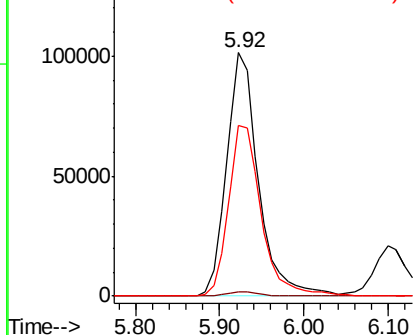
#28

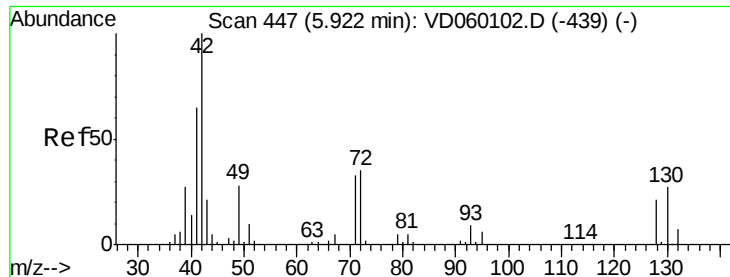
Bromochloromethane  
Concen: 22.153 ug/l  
RT: 5.92 min Scan# 447  
Delta R.T. 0.03 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion: 49 Resp: 266470  
Ion Ratio Lower Upper  
49 100  
129 1.6 0.0 3.6  
130 70.0 53.9 80.9



Abundance Ion 48.90 (48.60 to 49.60): VDC  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 119.734 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

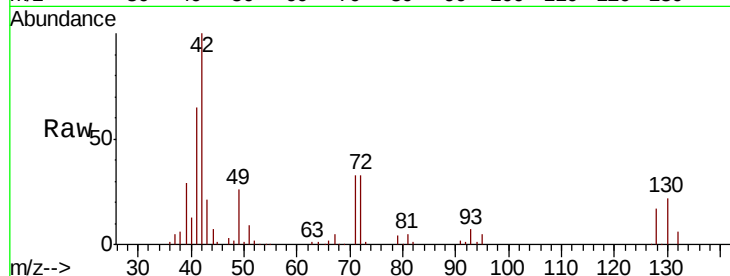
Tot Ion: 42 Resp: 344817

Ion Ratio Lower Upper

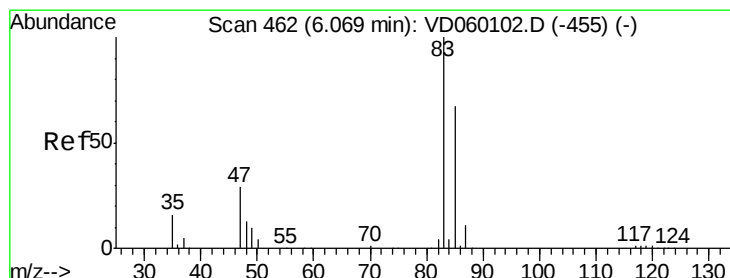
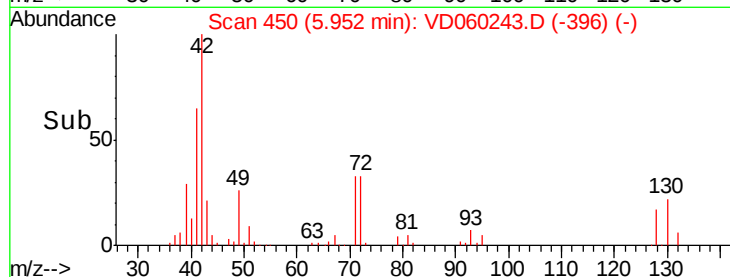
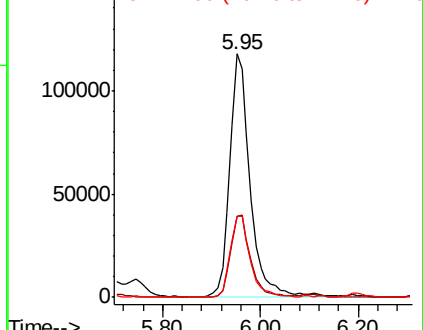
42 100

72 33.0 26.9 40.3

71 32.7 26.7 40.1



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



#30

Chloroform

Concen: 23.246 ug/l

RT: 6.10 min Scan# 465

Delta R.T. 0.03 min

Lab File: VD060243.D

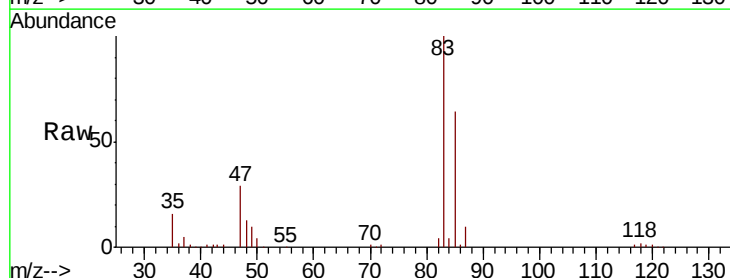
Acq: 31 Oct 2018 15:55

Tgt Ion: 83 Resp: 582049

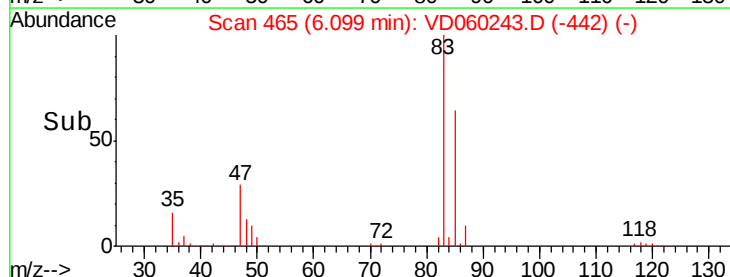
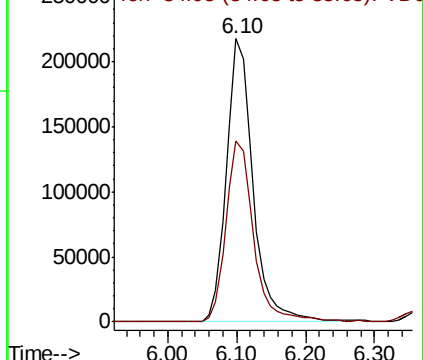
Ion Ratio Lower Upper

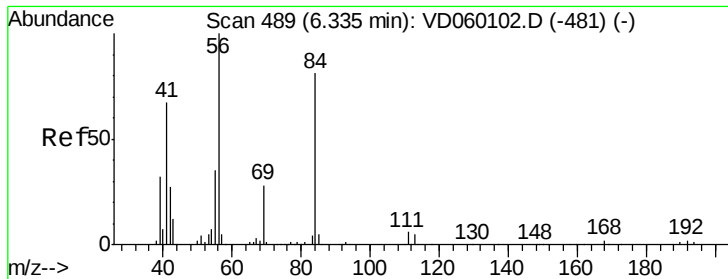
83 100

85 64.0 53.8 80.8



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





#31

Cyclohexane

Concen: 22.251 ug/l

RT: 6.37 min Scan# 492

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

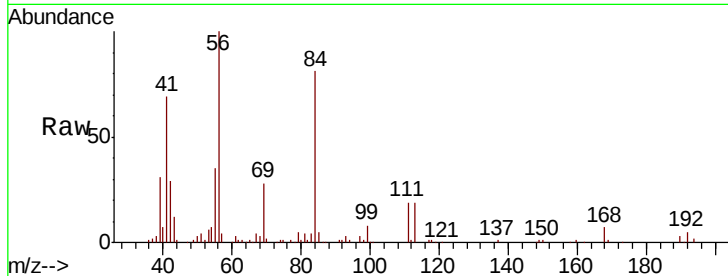
Tot Ion: 56 Resp: 527238

Ion Ratio Lower Upper

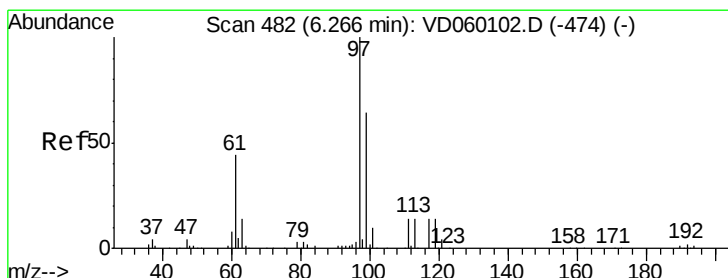
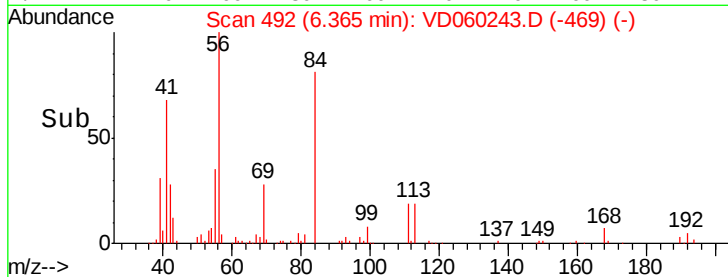
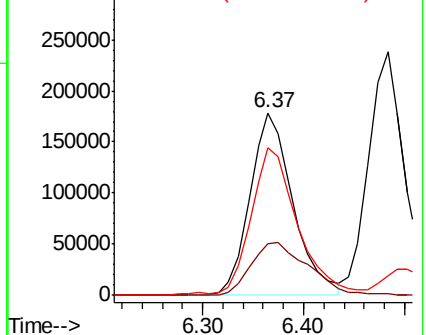
56 100

69 28.4 22.8 34.2

84 80.6 64.9 97.3



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: 23.333 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

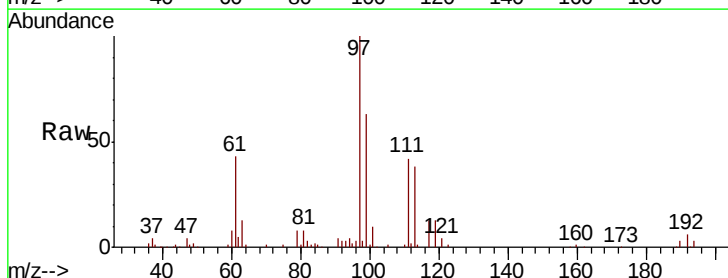
Tgt Ion: 97 Resp: 478639

Ion Ratio Lower Upper

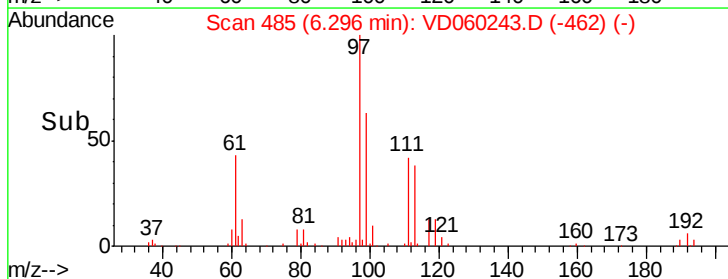
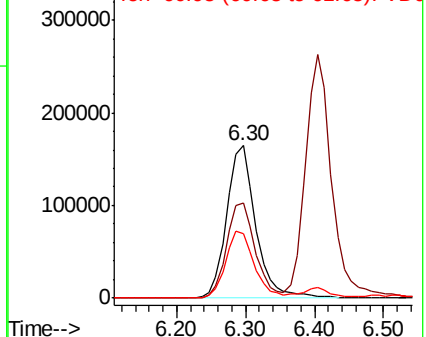
97 100

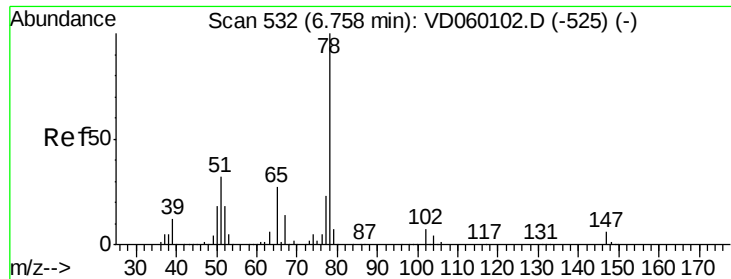
99 62.7 51.4 77.0

61 42.5 35.5 53.3



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: 23.333 ug/l

RT: 6.79 min Scan# 535

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

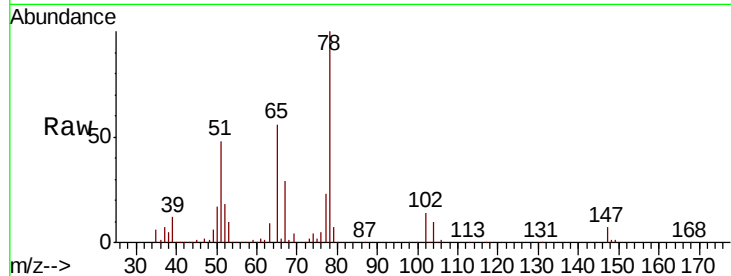
VD1031SBSD01

Tot Ion: 65 Resp: 588520

Ion Ratio Lower Upper

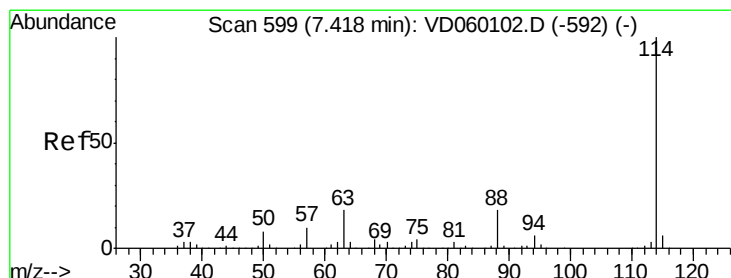
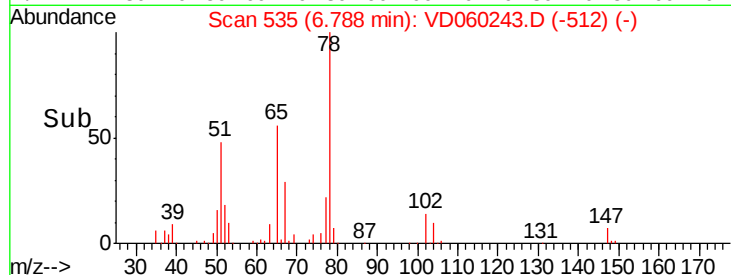
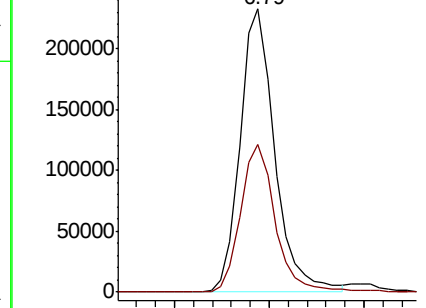
65 100

67 52.2 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 602

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

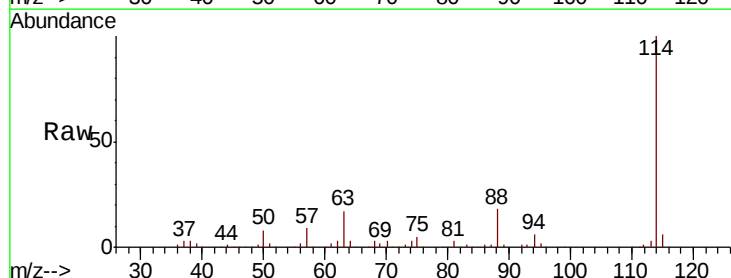
Tgt Ion: 114 Resp: 1998657

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.0

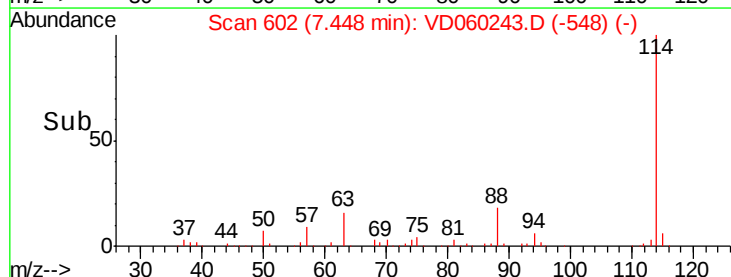
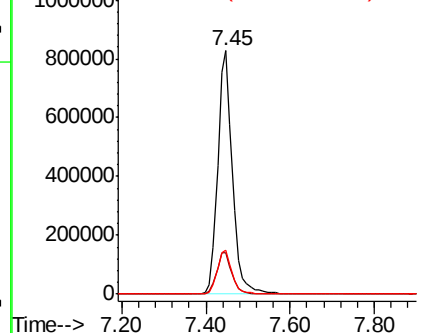
88 17.8 0.0 36.2

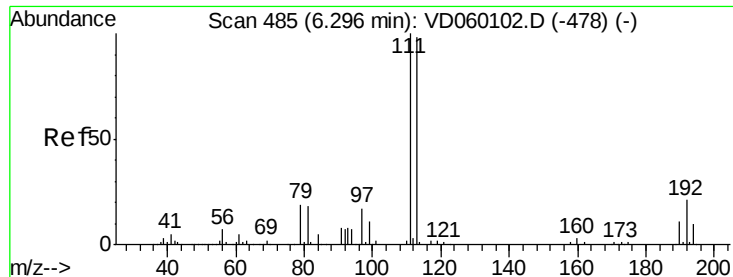


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

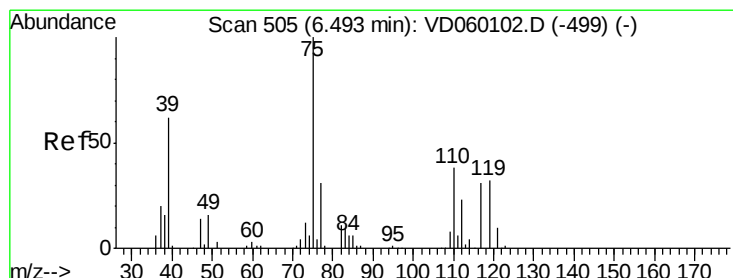
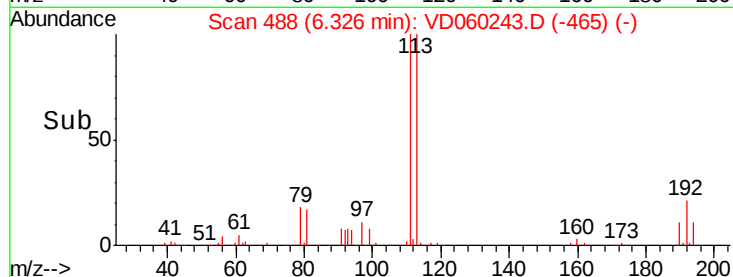
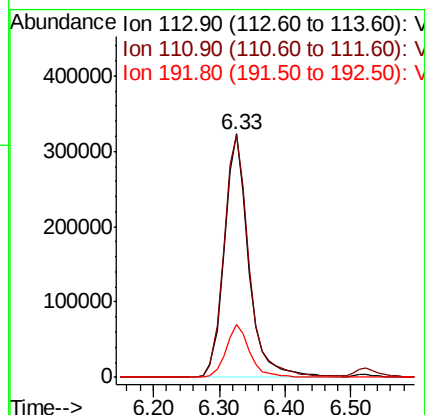
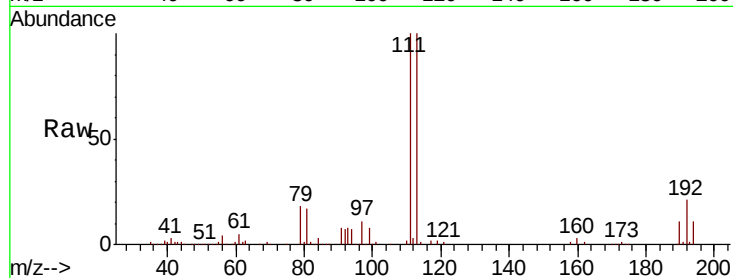




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.33 min Scan# 488  
 Delta R.T. 0.03 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

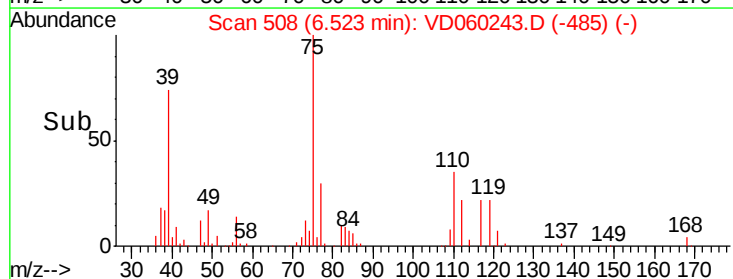
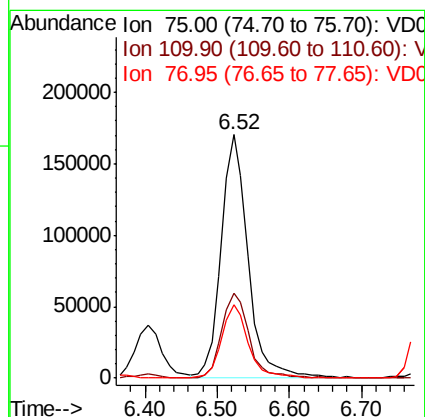
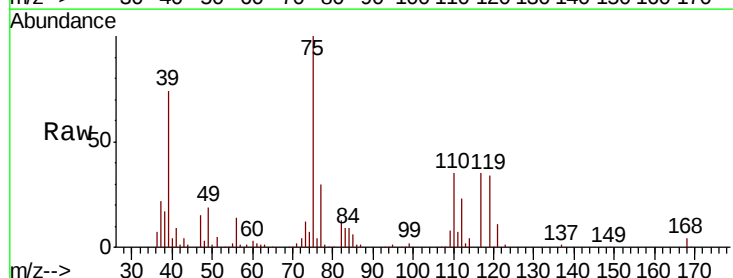
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBS01

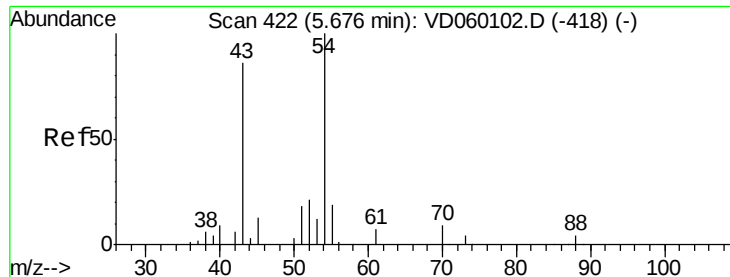
Tot Ion:113 Resp: 833482  
 Ion Ratio Lower Upper  
 113 100  
 111 99.8 81.5 122.3  
 192 21.5 17.4 26.0



#36  
 1,1-Dichloropropene  
 Concen: 22.619 ug/l  
 RT: 6.52 min Scan# 508  
 Delta R.T. 0.03 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion: 75 Resp: 432006  
 Ion Ratio Lower Upper  
 75 100  
 110 35.1 19.0 57.0  
 77 30.0 24.9 37.3

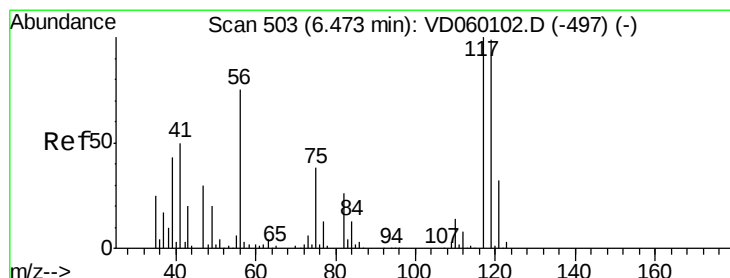
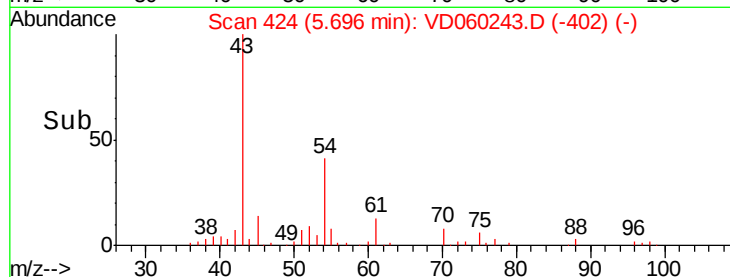
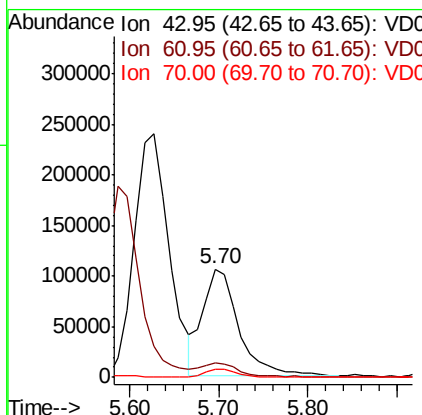
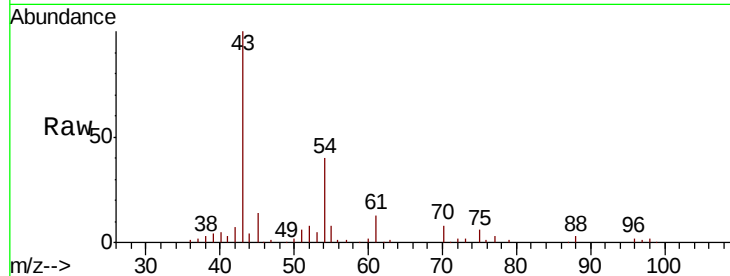




#37  
Ethyl Acetate  
Concen: 23.361 ug/l  
RT: 5.70 min Scan# 424  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

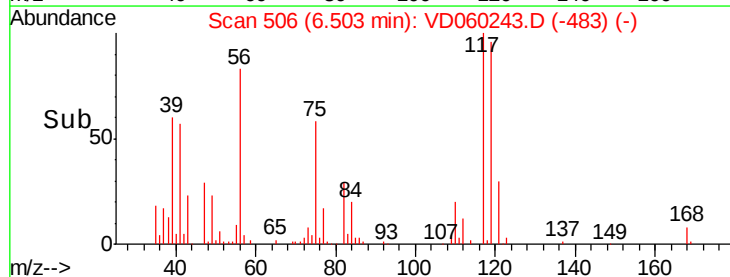
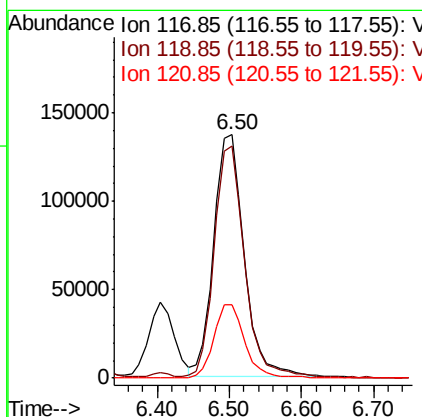
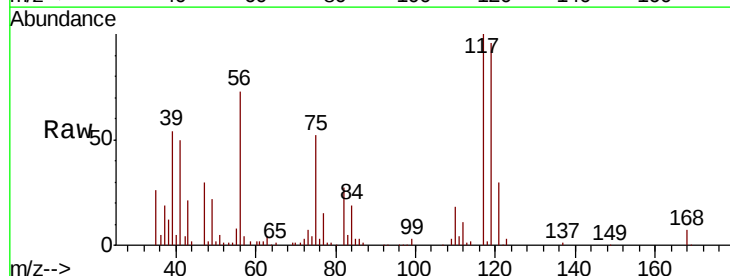
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBSD01

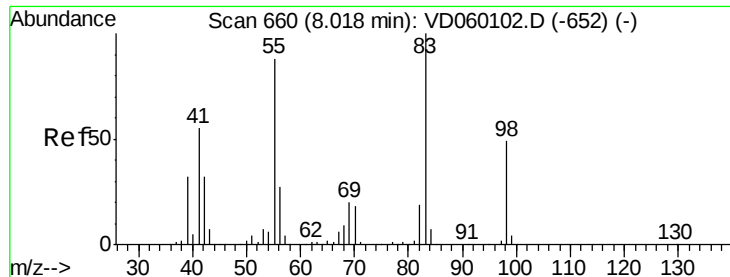
Tot Ion: 43 Resp: 296152  
Ion Ratio Lower Upper  
43 100  
61 13.3 10.5 15.7  
70 7.7 6.3 9.5



#38  
Carbon Tetrachloride  
Concen: 23.139 ug/l  
RT: 6.50 min Scan# 506  
Delta R.T. 0.03 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion: 117 Resp: 401104  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.8 116.6  
121 30.1 24.8 37.2

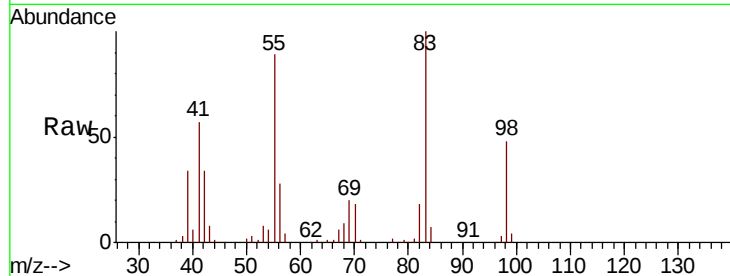




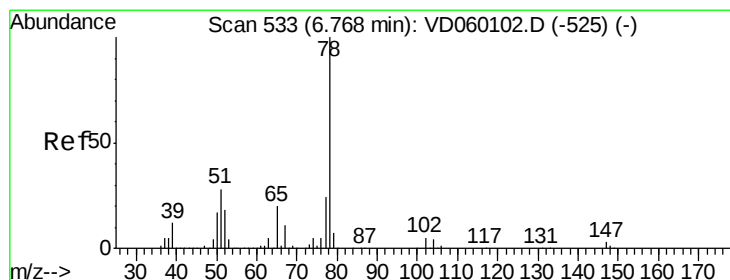
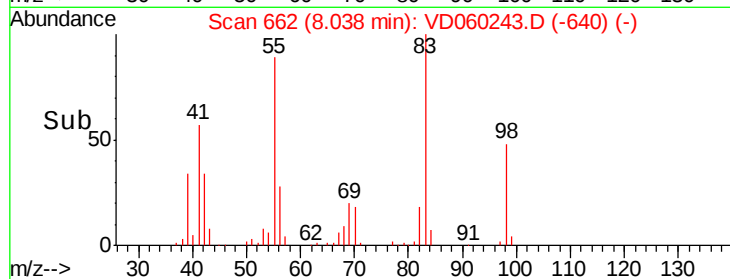
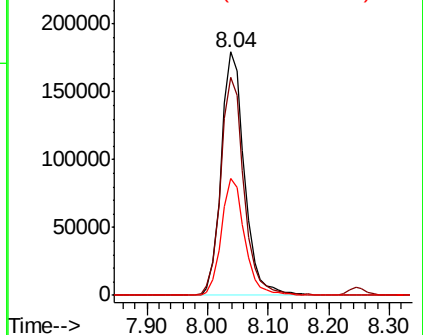
#39  
Methvlcvclohexane  
Concen: 22.087 ug/l  
RT: 8.04 min Scan# 662  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBSD01

Tot Ion: 83 Resp: 479287  
Ion Ratio Lower Upper  
83 100  
55 89.4 70.5 105.7  
98 47.8 39.4 59.2

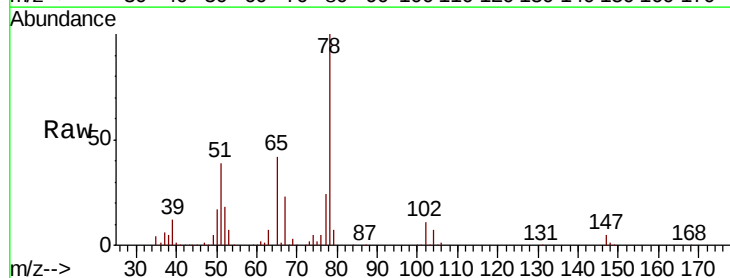


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

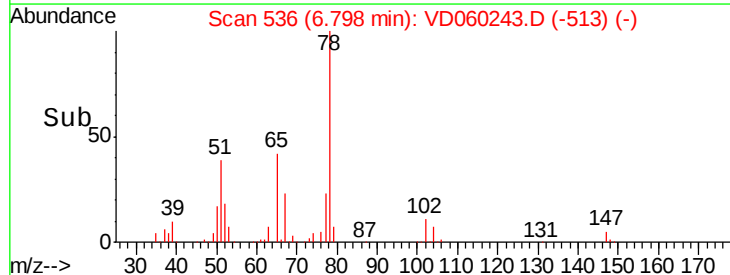
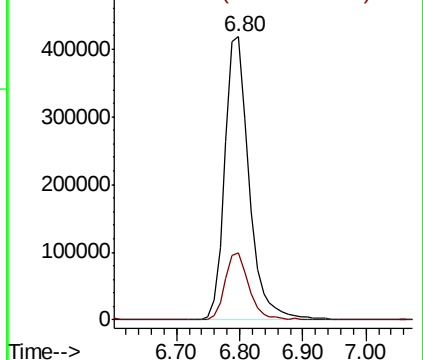


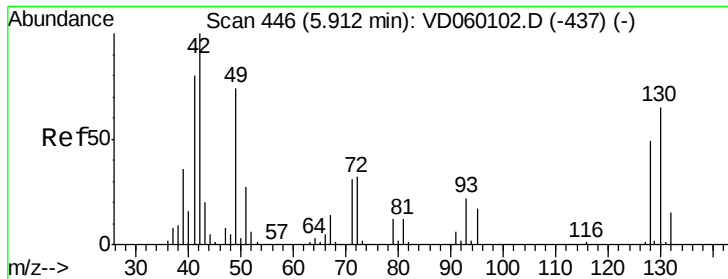
#40  
Benzene  
Concen: 22.419 ug/l  
RT: 6.80 min Scan# 536  
Delta R.T. 0.03 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion: 78 Resp: 1120163  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.0 28.4



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

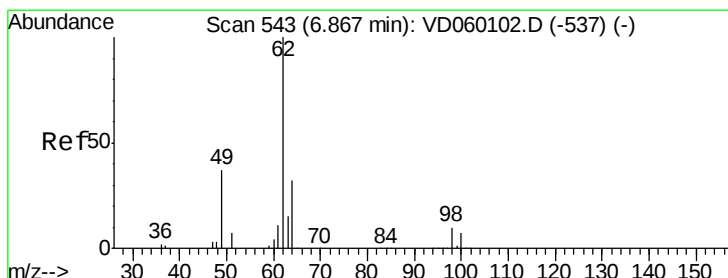
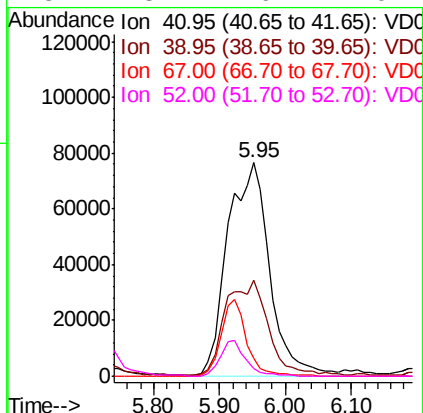
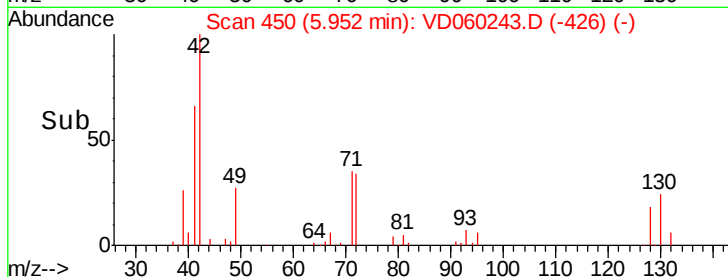
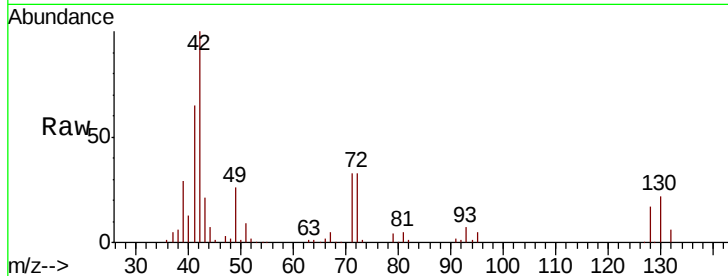




#41  
Methacrylonitrile  
Concen: 47.809 ug/l  
RT: 5.95 min Scan# 450  
Delta R.T. 0.04 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

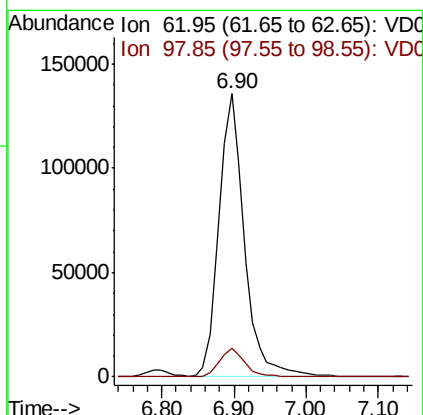
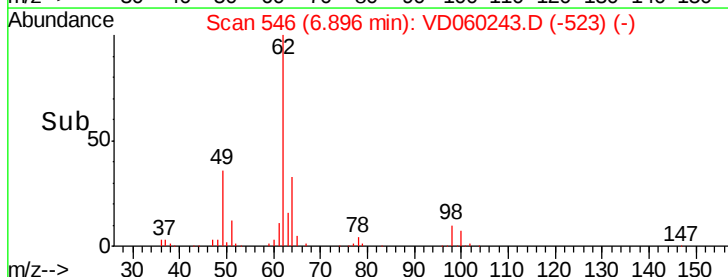
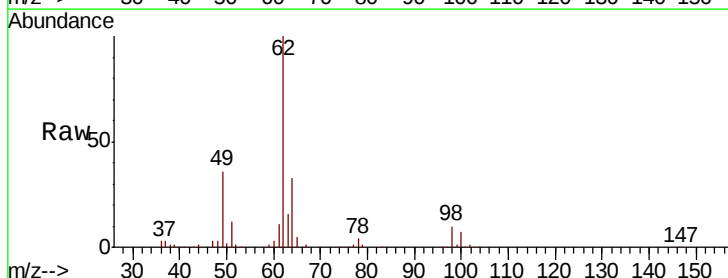
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBS01

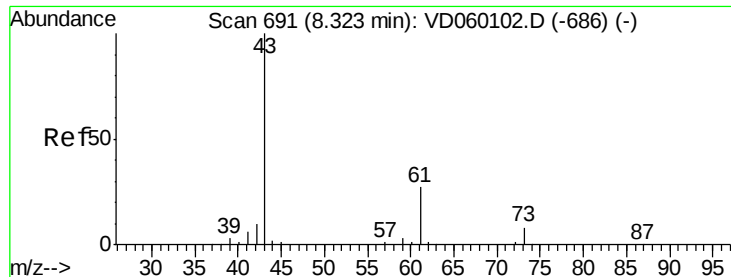
Tot Ion: 41 Resp: 342571  
Ion Ratio Lower Upper  
41 100  
39 45.2 36.0 54.0  
67 8.3 13.9 20.9#  
52 3.7 6.1 9.1#



#42  
1,2-Dichloroethane  
Concen: 22.896 ug/l  
RT: 6.90 min Scan# 546  
Delta R.T. 0.03 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion: 62 Resp: 327988  
Ion Ratio Lower Upper  
62 100  
98 10.1 0.0 20.6



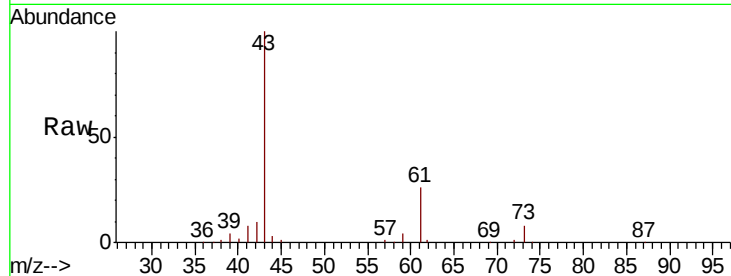


#43

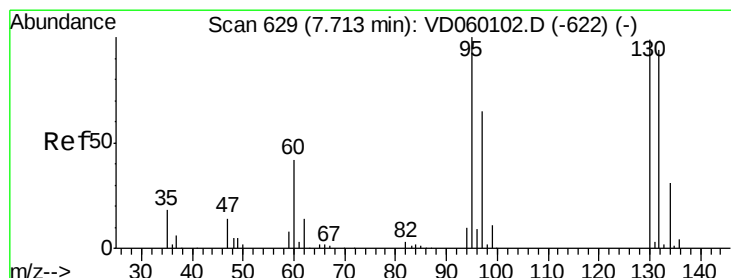
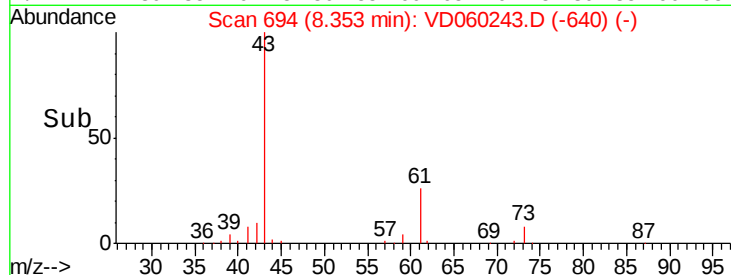
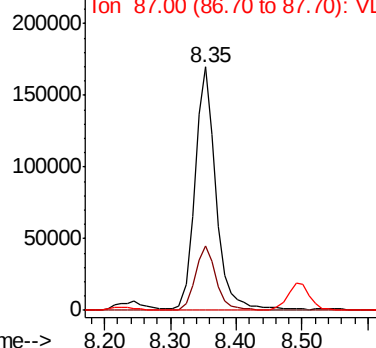
Isopropyl Acetate  
 Concen: 22.278 ug/l  
 RT: 8.35 min Scan# 694  
 Delta R.T. 0.03 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBS01

Tot Ion: 43 Resp: 371557  
 Ion Ratio Lower Upper  
 43 100  
 61 26.2 21.4 32.2  
 87 0.3 0.2 0.2#



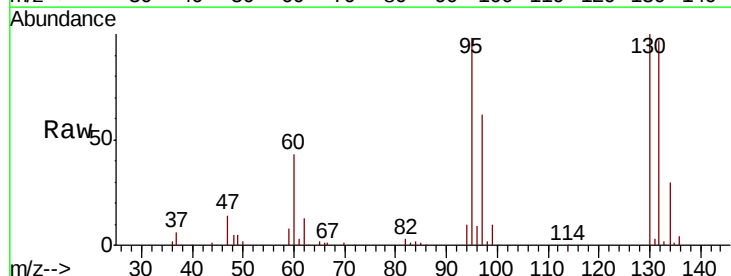
Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



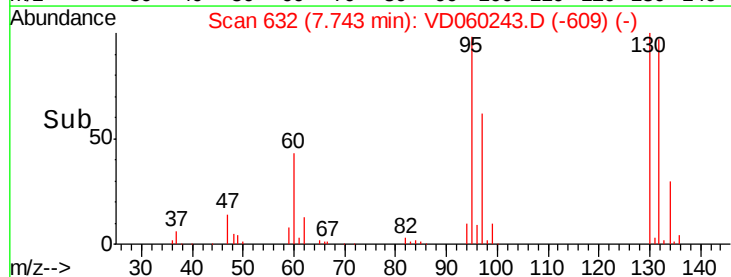
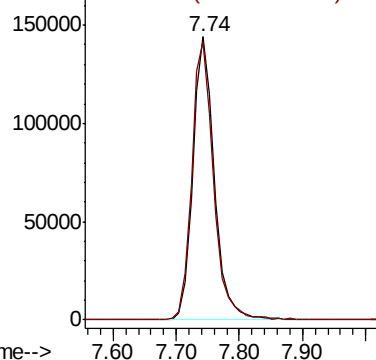
#44

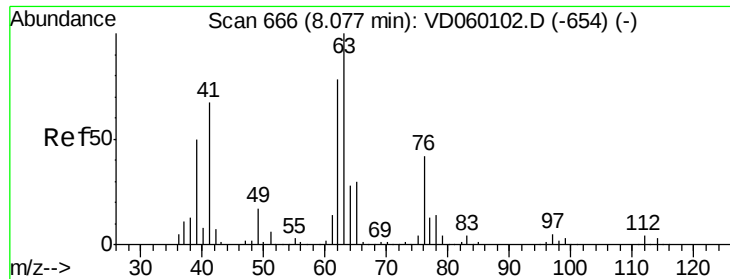
Trichloroethene  
 Concen: 22.113 ug/l  
 RT: 7.74 min Scan# 632  
 Delta R.T. 0.03 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion: 130 Resp: 342029  
 Ion Ratio Lower Upper  
 130 100  
 95 98.4 0.0 202.2



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





#45

1,2-Dichloropropane

Concen: 22.742 ug/l

RT: 8.11 min Scan# 669

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

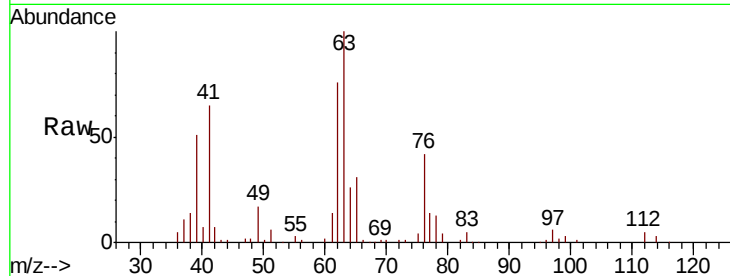
VD1031SBS01

Tot Ion: 63 Resp: 297533

Ion Ratio Lower Upper

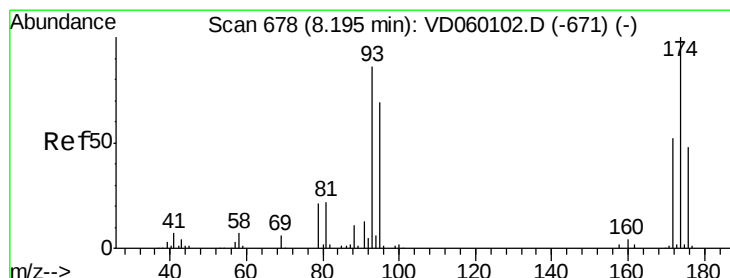
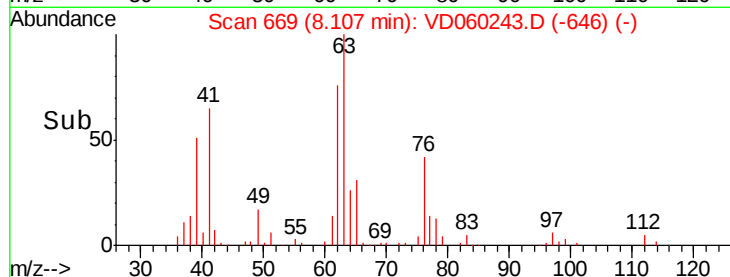
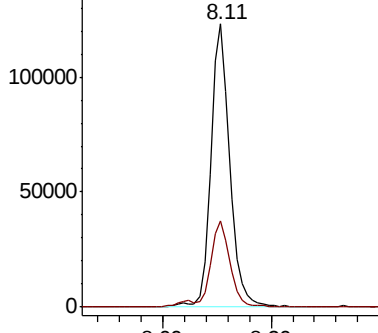
63 100

65 30.5 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.356 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

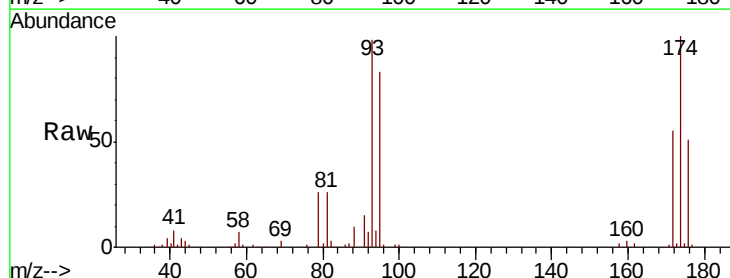
Tgt Ion: 93 Resp: 189364

Ion Ratio Lower Upper

93 100

95 84.8 63.8 95.6

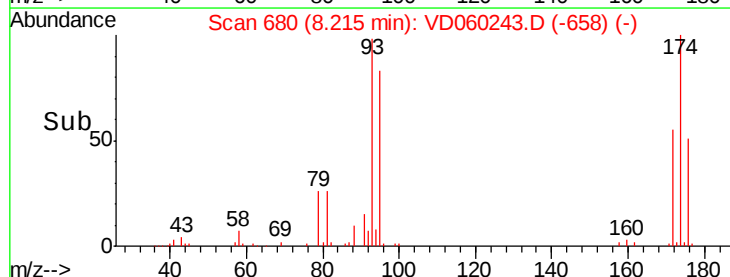
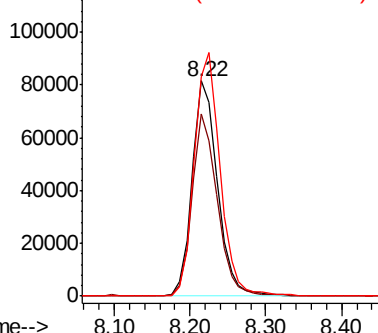
174 101.9 92.9 139.3

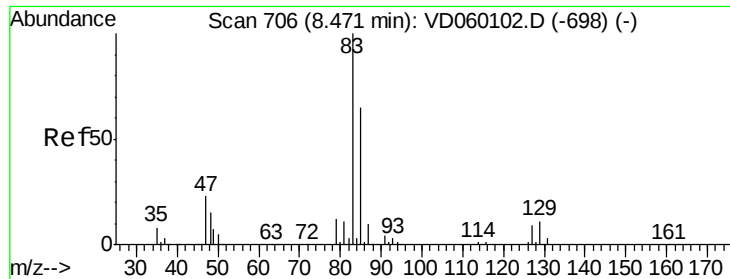


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 23.104 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

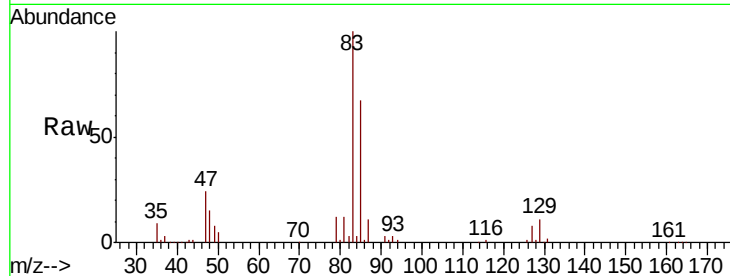
Tot Ion: 83 Resp: 416978

Ion Ratio Lower Upper

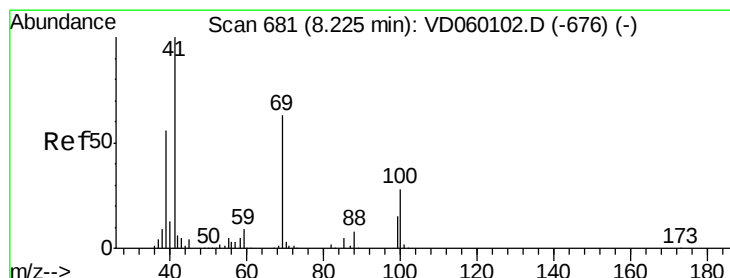
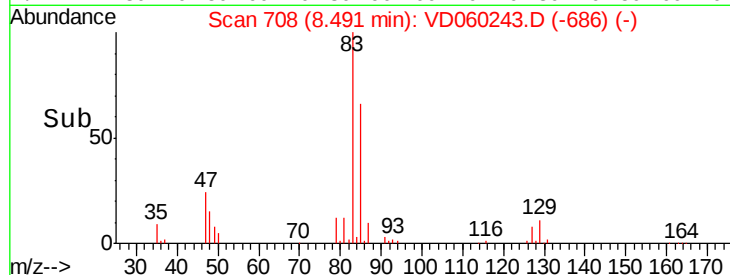
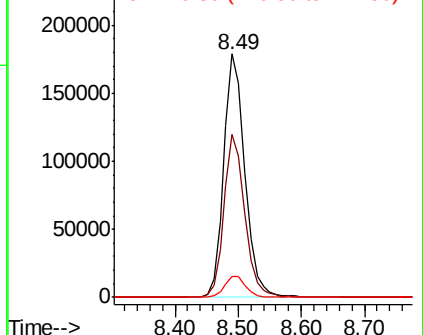
83 100

85 66.8 52.2 78.2

127 8.4 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: 22.853 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

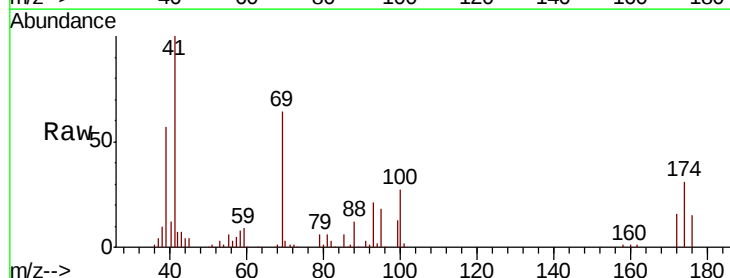
Tgt Ion: 41 Resp: 217106

Ion Ratio Lower Upper

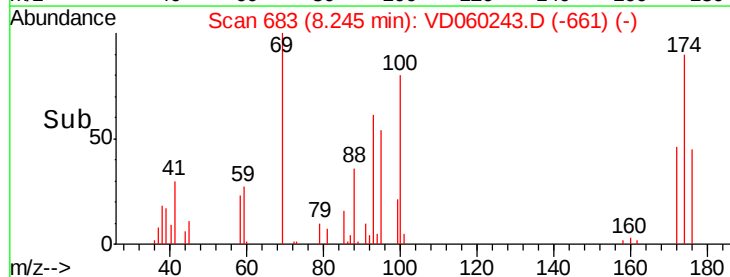
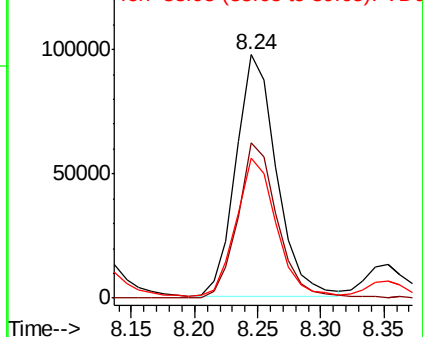
41 100

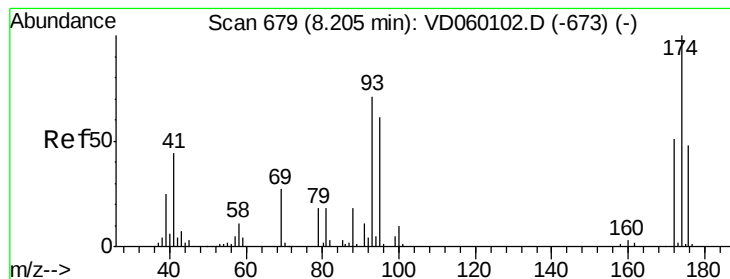
69 63.7 49.7 74.5

39 57.4 45.2 67.8



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: 462.365 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.03 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

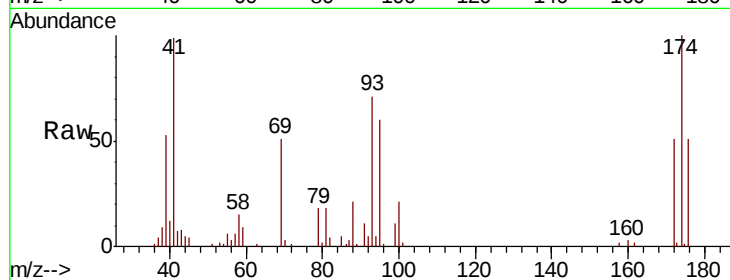
Tot Ion: 88 Resp: 43219

Ion Ratio Lower Upper

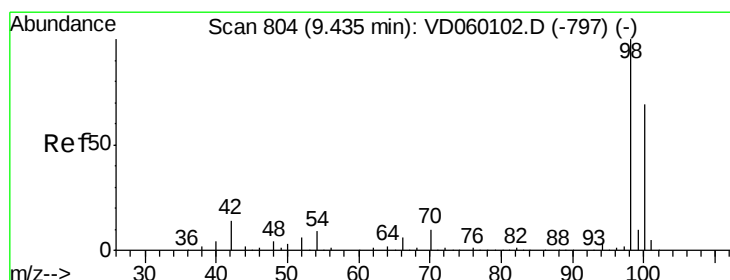
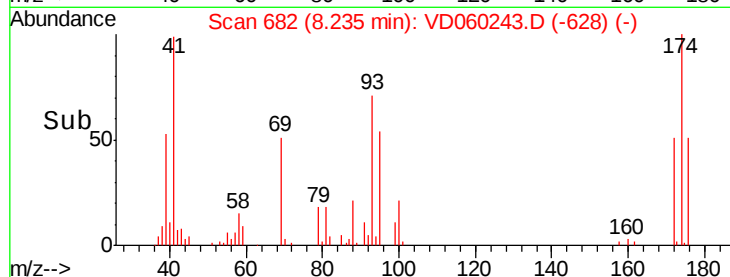
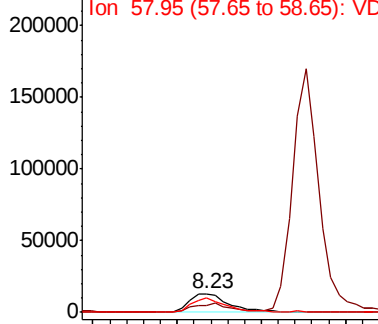
88 100

43 38.4 33.7 50.5

58 74.6 49.1 73.7#



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: 462.365 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060243.D

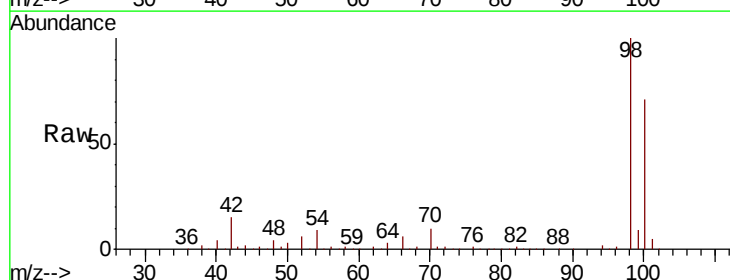
Acq: 31 Oct 2018 15:55

Tgt Ion: 98 Resp: 2301905

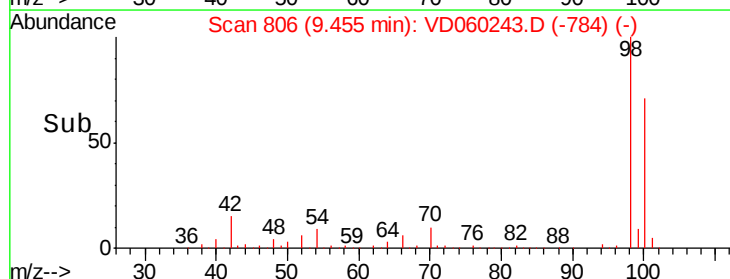
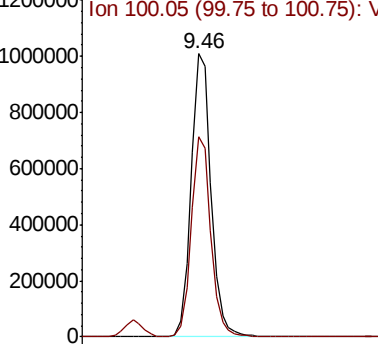
Ion Ratio Lower Upper

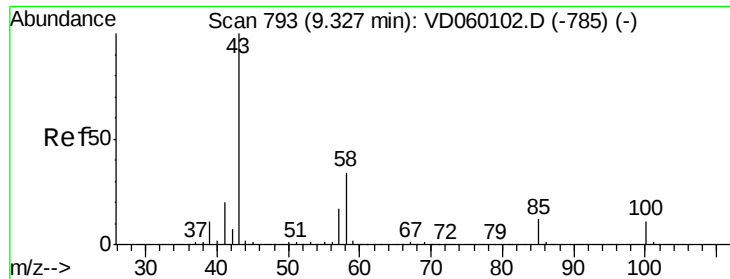
98 100

100 70.7 55.4 83.0



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: 119.781 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

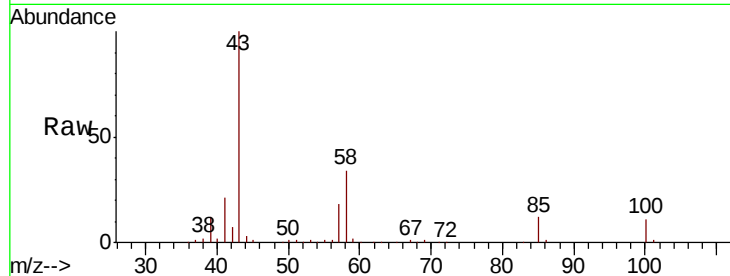
VD1031SBS01

Tot Ion: 43 Resp: 1260026

Ion Ratio Lower Upper

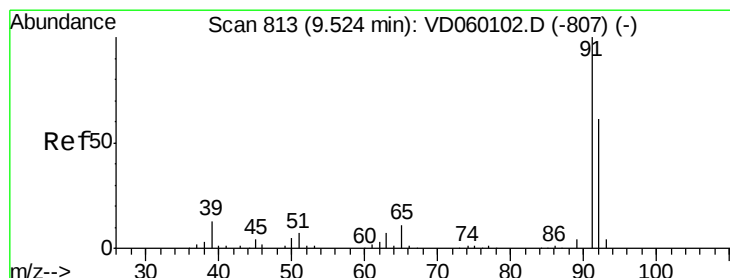
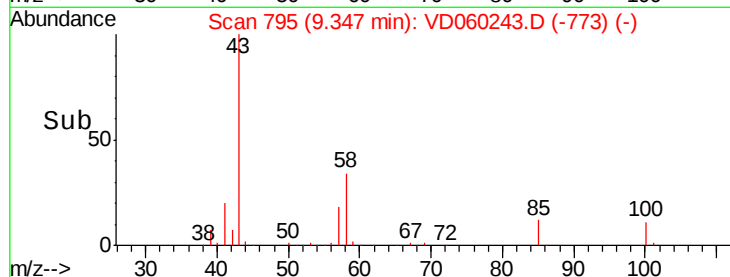
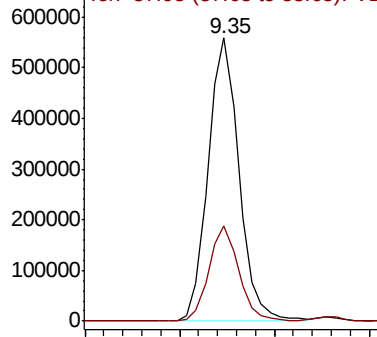
43 100

58 33.7 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 22.141 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060243.D

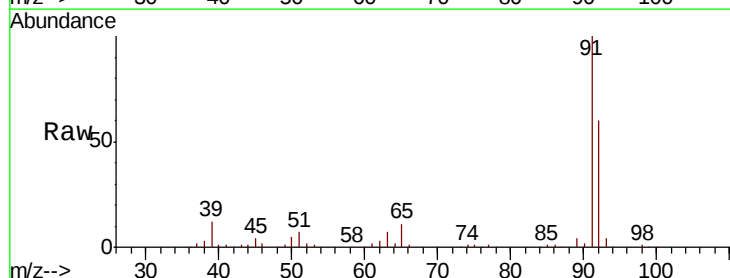
Acq: 31 Oct 2018 15:55

Tgt Ion: 92 Resp: 712487

Ion Ratio Lower Upper

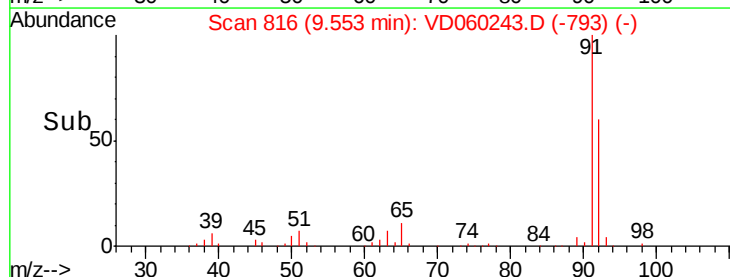
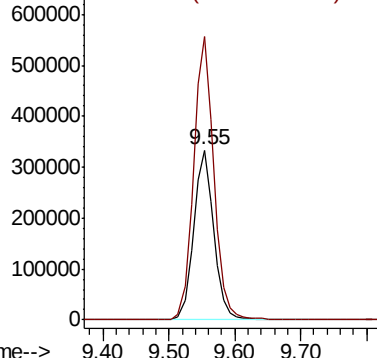
92 100

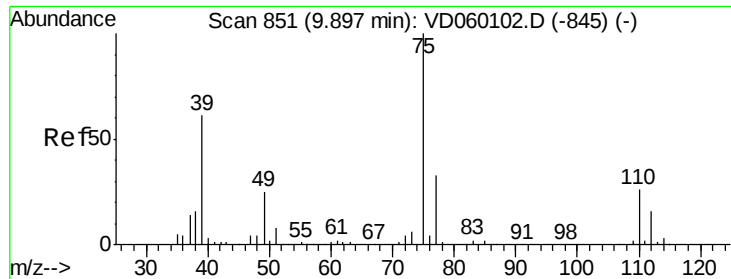
91 167.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

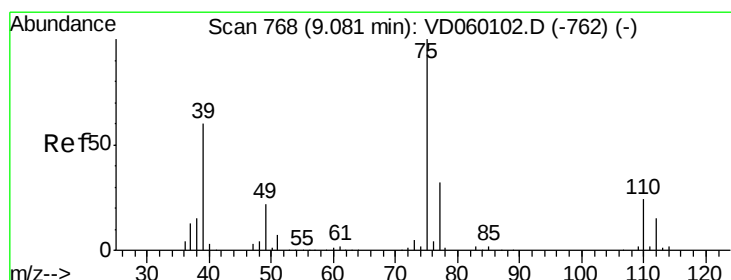
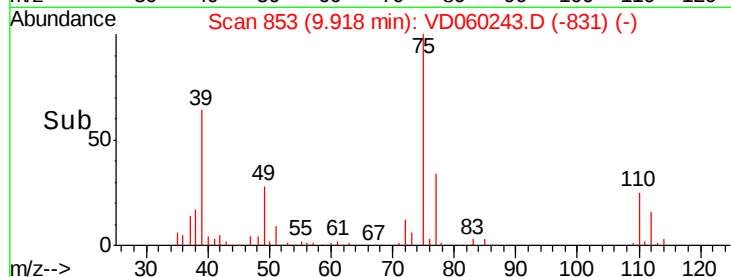
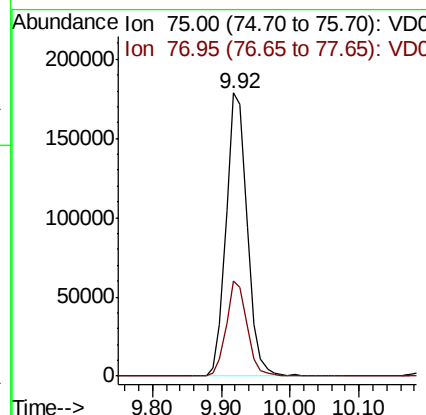
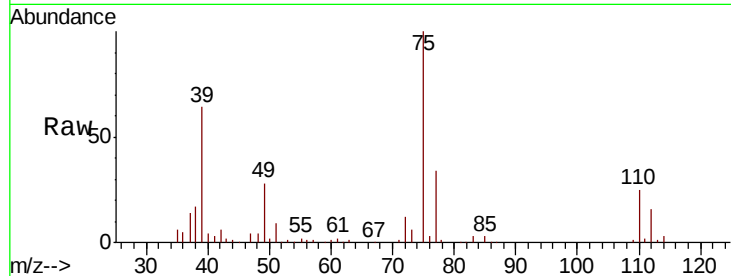




#53  
 t-1,3-Dichloropropene  
 Concen: 23.158 ug/l  
 RT: 9.92 min Scan# 853  
 Delta R.T. 0.02 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

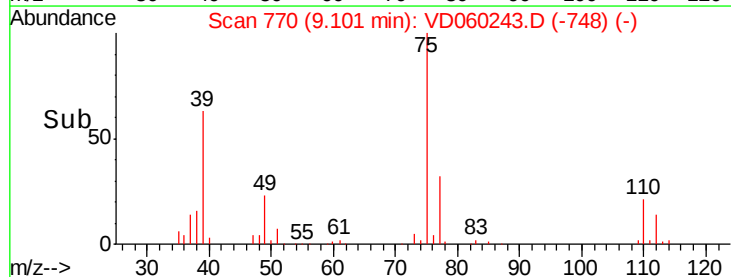
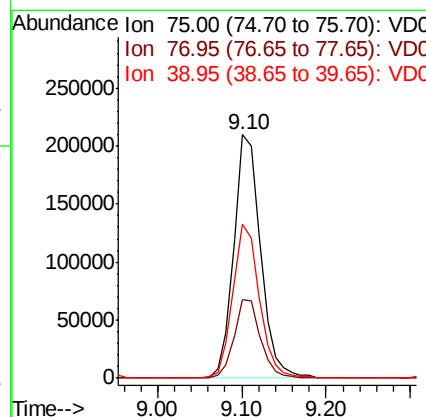
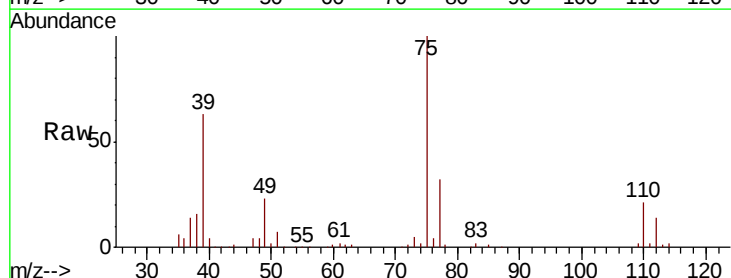
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBS01

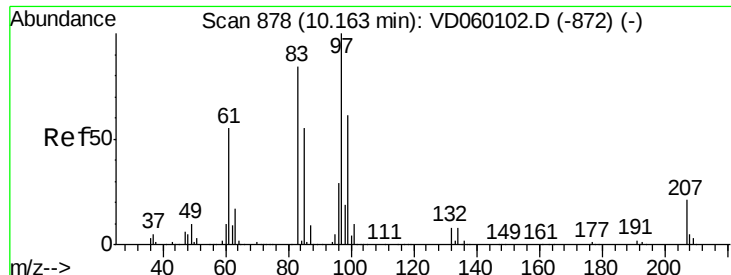
Tot Ion: 75 Resp: 378184  
 Ion Ratio Lower Upper  
 75 100  
 77 33.7 26.2 39.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 23.104 ug/l  
 RT: 9.10 min Scan# 770  
 Delta R.T. 0.02 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion: 75 Resp: 465916  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 25.7 38.5  
 39 63.4 48.2 72.4

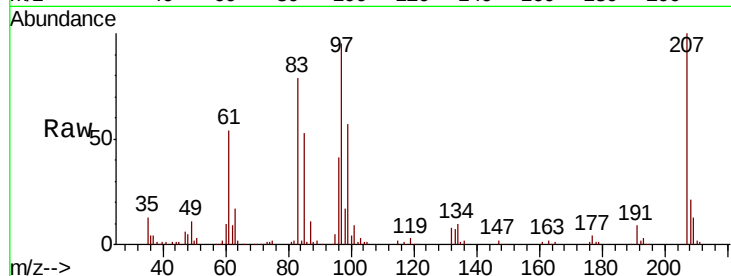




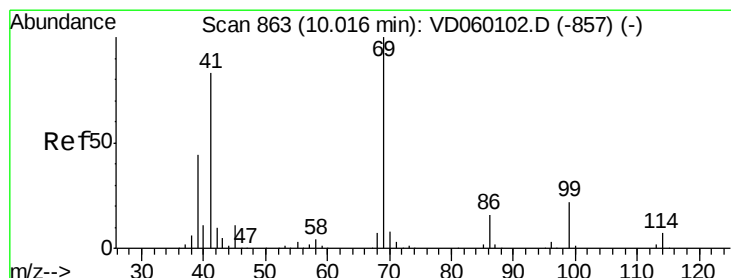
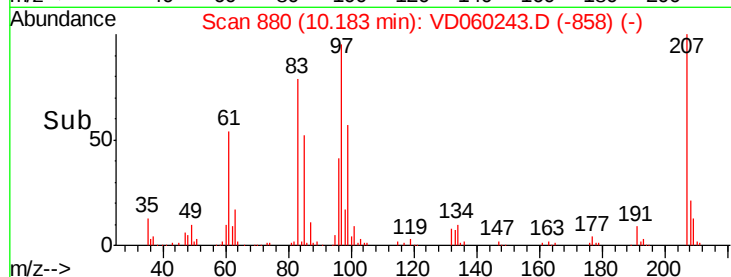
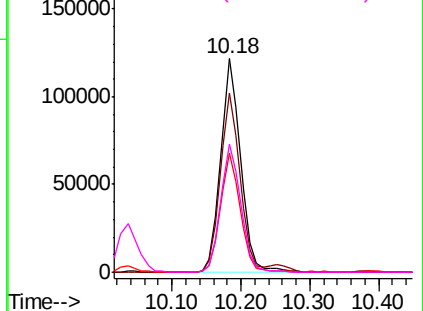
#55  
 1,1,2-Trichloroethane  
 Concen: 23.397 ug/l  
 RT: 10.18 min Scan# 880  
 Delta R.T. 0.02 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 246137 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 83.8  | 67.0  | 100.6  |
| 85       | 55.6  | 43.9  | 65.9   |
| 99       | 60.2  | 49.1  | 73.7   |

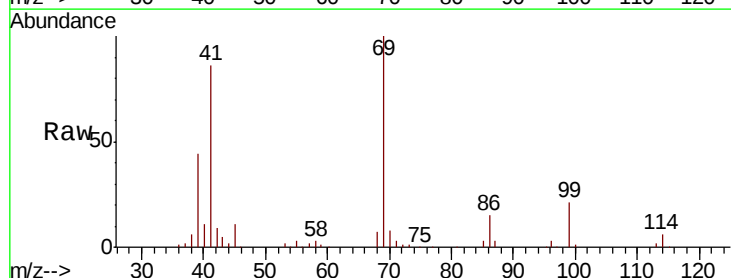


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

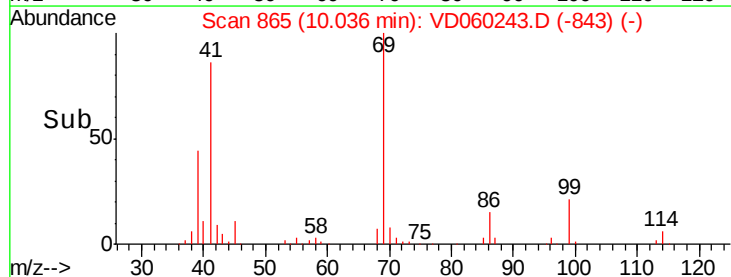
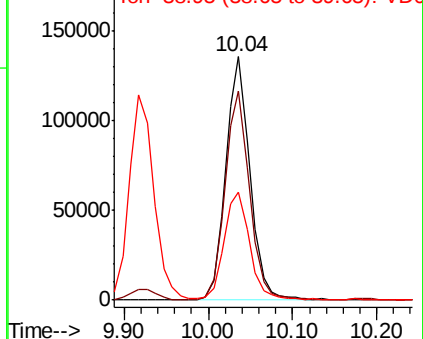


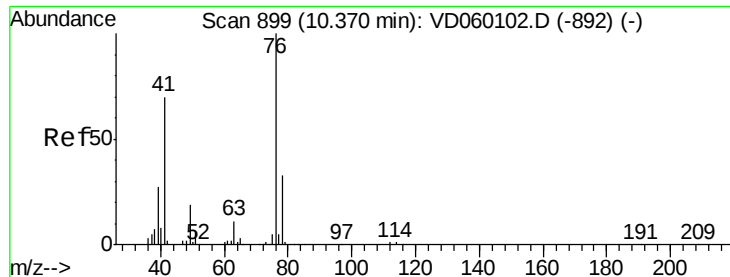
#56  
 Ethyl methacrylate  
 Concen: 23.133 ug/l  
 RT: 10.04 min Scan# 865  
 Delta R.T. 0.02 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 268637 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 85.7  | 66.6  | 100.0  |
| 39       | 44.2  | 36.0  | 54.0   |



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

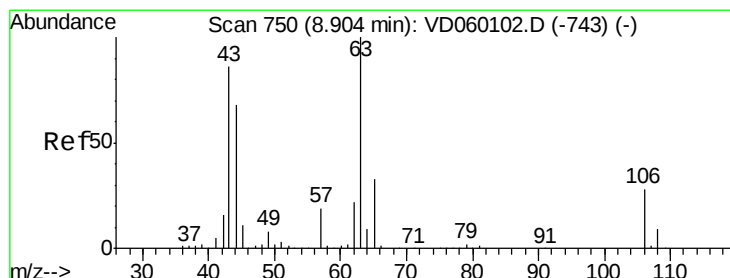
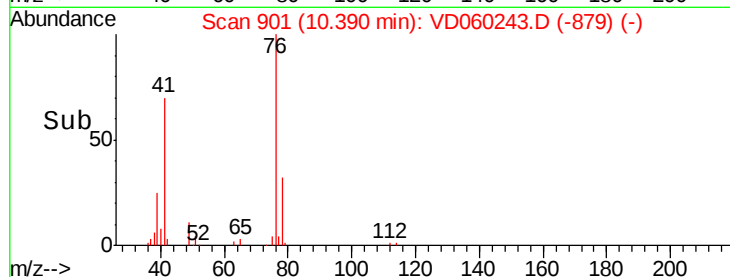
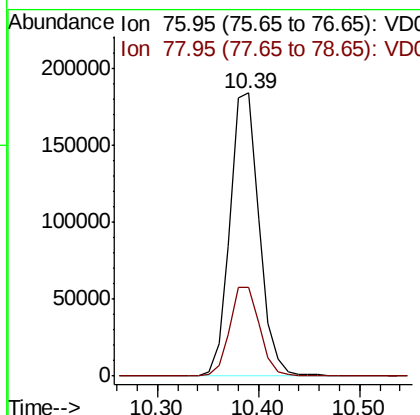
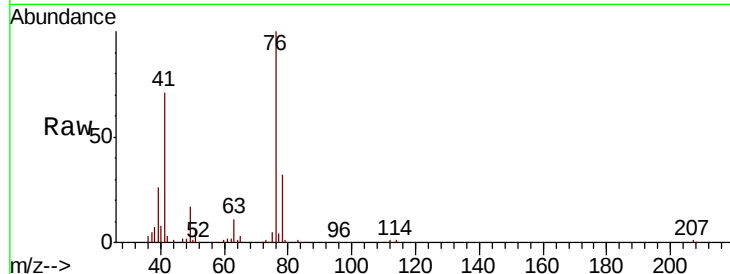




#57  
 1,3-Dichloropropane  
 Concen: 23.135 ug/l  
 RT: 10.39 min Scan# 901  
 Delta R.T. 0.02 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

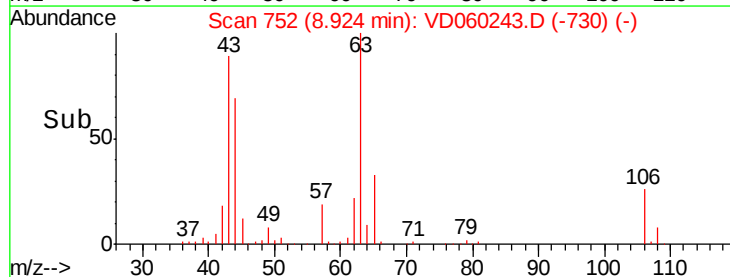
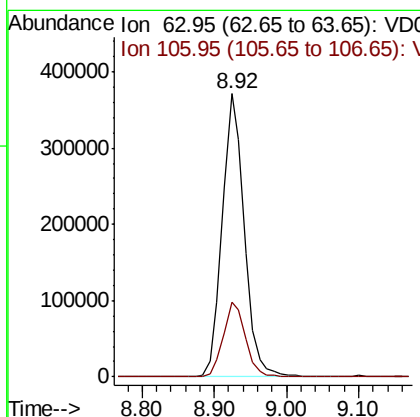
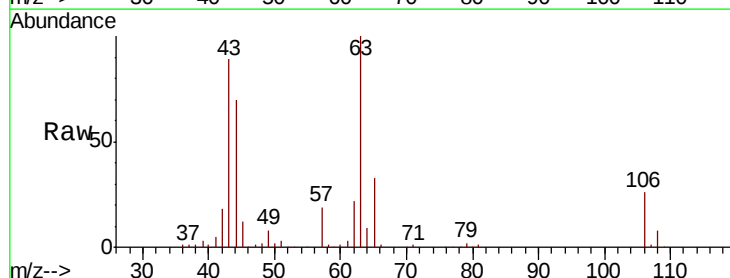
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBSD01

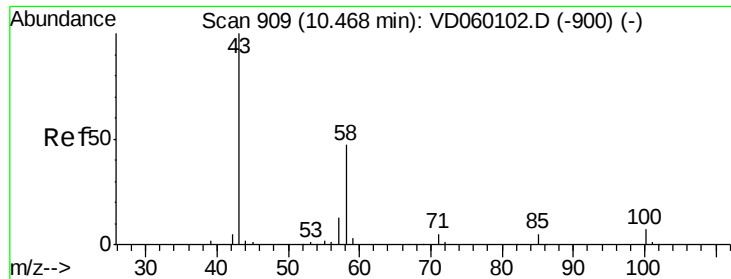
Tot Ion: 76 Resp: 371193  
 Ion Ratio Lower Upper  
 76 100  
 78 31.6 26.2 39.2



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 121.782 ug/l  
 RT: 8.92 min Scan# 752  
 Delta R.T. 0.02 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion: 63 Resp: 785321  
 Ion Ratio Lower Upper  
 63 100  
 106 26.3 22.6 34.0

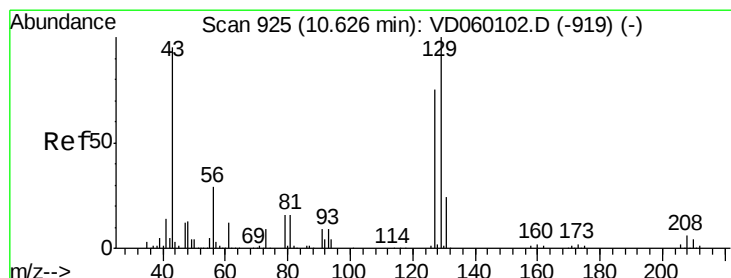
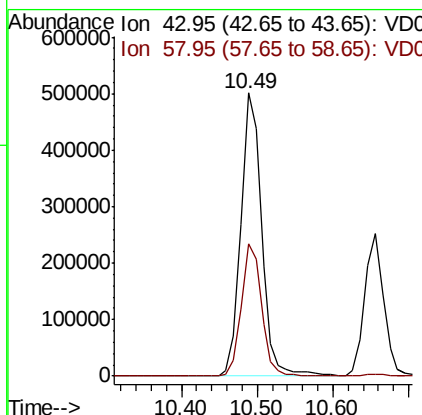
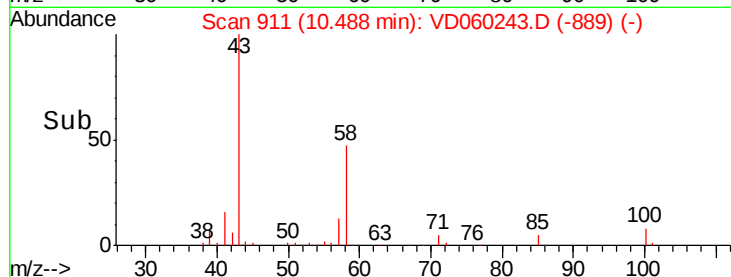
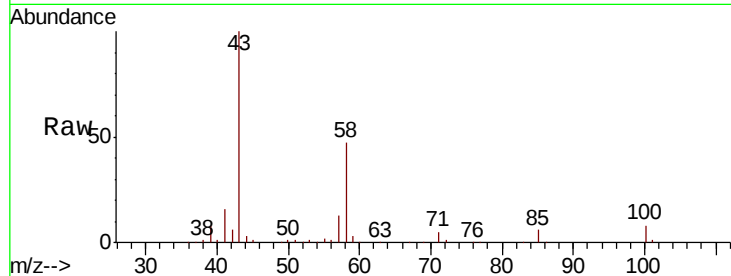




#59  
2-Hexanone  
Concen: 125.486 ug/l  
RT: 10.49 min Scan# 911  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

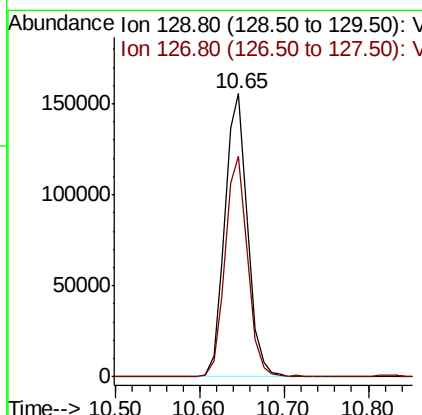
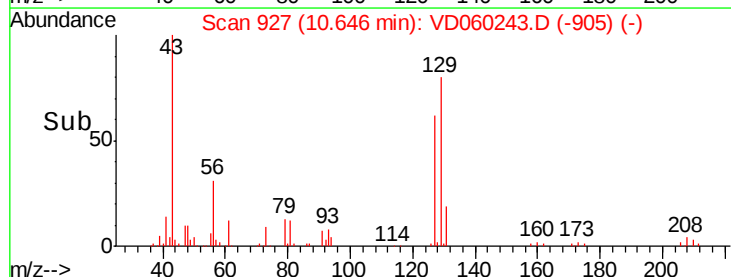
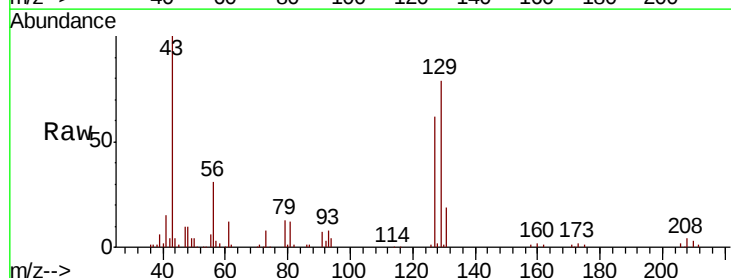
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBSD01

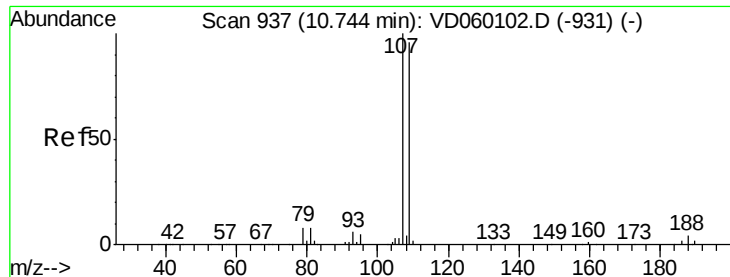
Tot Ion: 43 Resp: 949213  
Ion Ratio Lower Upper  
43 100  
58 46.5 23.3 69.9



#60  
Dibromochloromethane  
Concen: 22.498 ug/l  
RT: 10.65 min Scan# 927  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion: 129 Resp: 290385  
Ion Ratio Lower Upper  
129 100  
127 78.0 37.4 112.2





#61

1,2-Dibromoethane

Concen: 22.600 ug/l

RT: 10.76 min Scan# 939

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

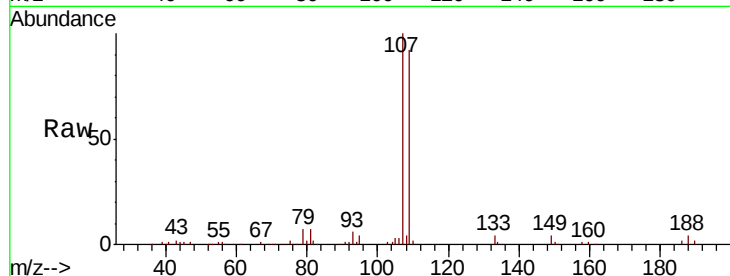
VD1031SBSD01

Tot Ion:107 Resp: 252619

Ion Ratio Lower Upper

107 100

109 91.9 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

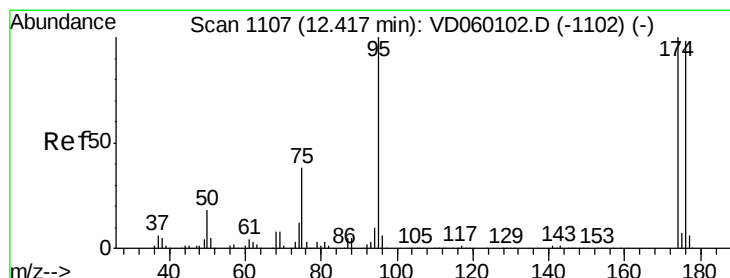
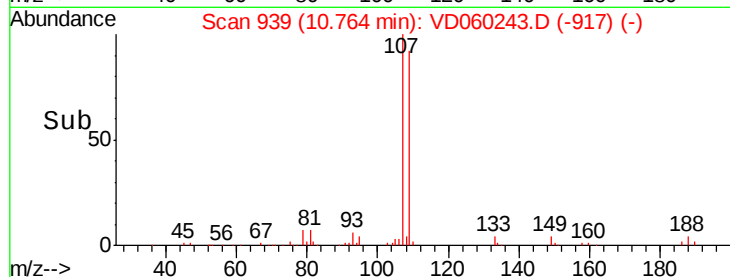
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 22.600 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

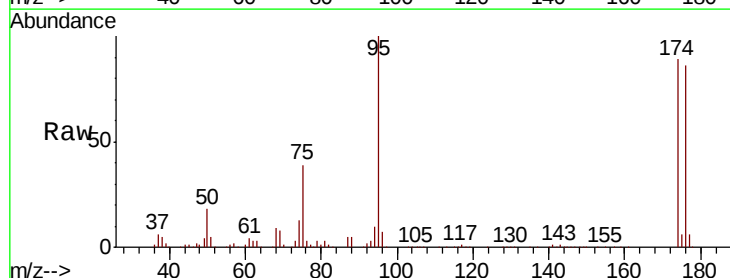
Tgt Ion: 95 Resp: 863541

Ion Ratio Lower Upper

95 100

174 88.9 0.0 200.2

176 86.2 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.43

800000

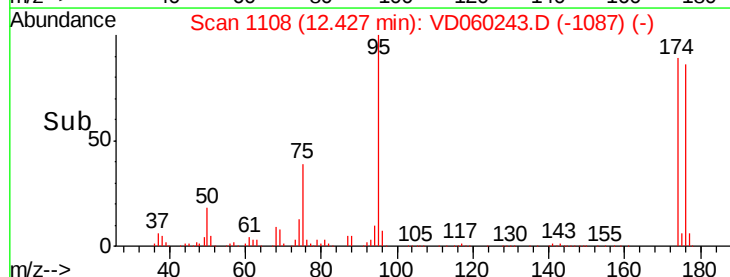
600000

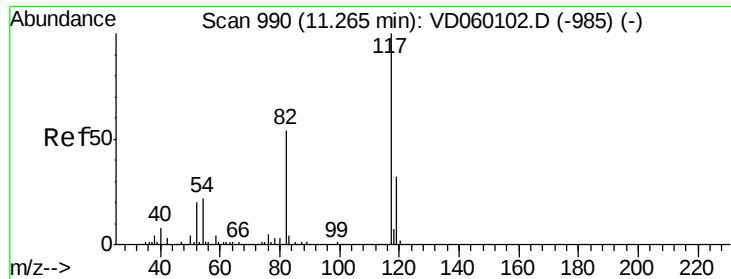
400000

200000

0

Time-->

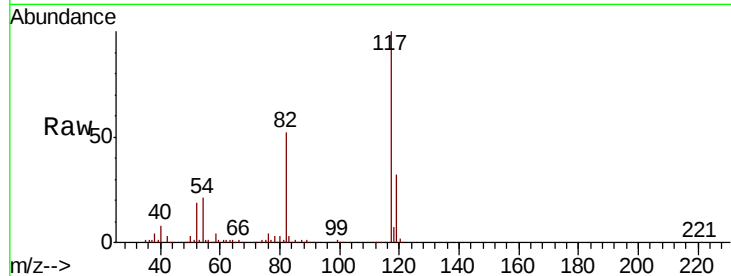




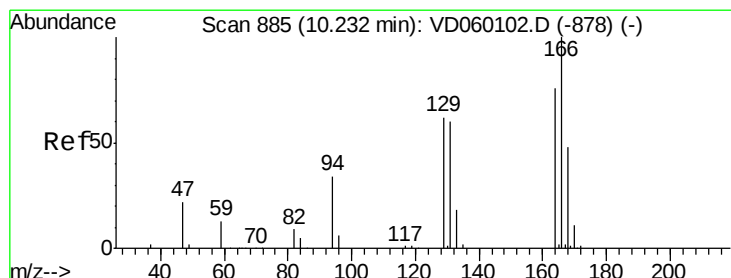
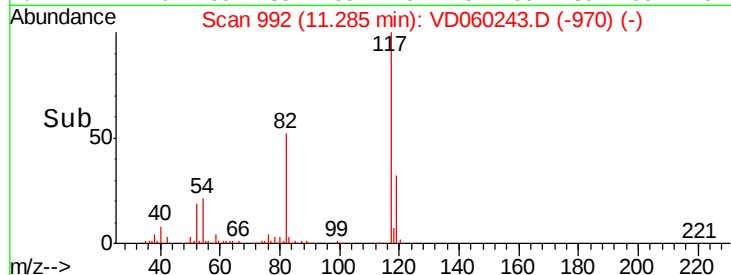
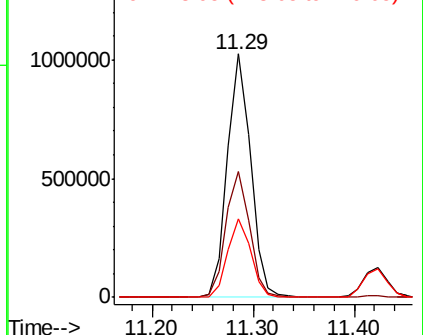
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.29 min Scan# 992  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBSD01

Tot Ion:117 Resp: 1648065  
Ion Ratio Lower Upper  
117 100  
82 51.7 43.4 65.2  
119 32.3 26.0 39.0

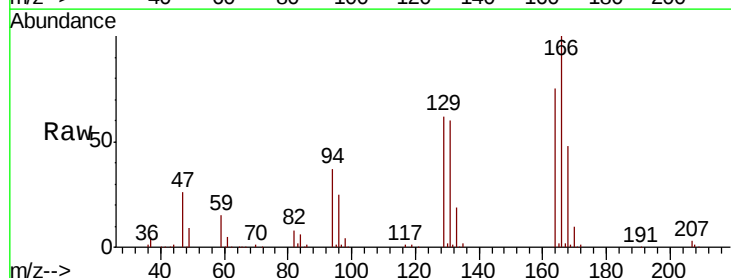


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

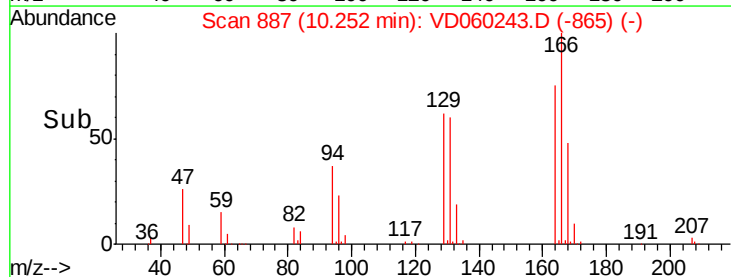
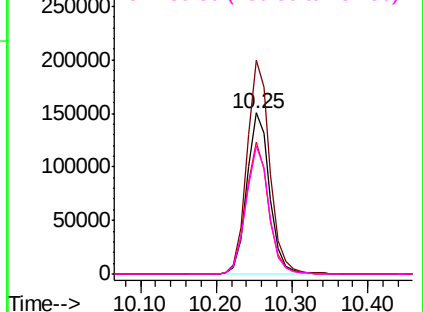


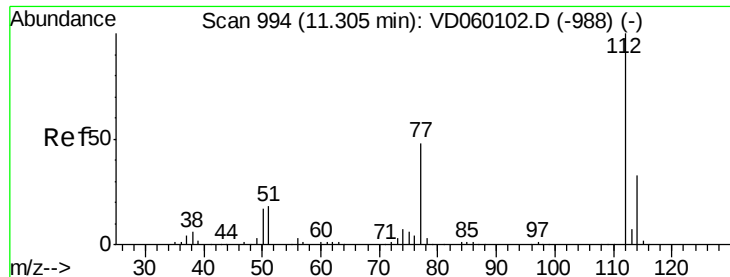
#64  
Tetrachloroethene  
Concen: 21.791 ug/l  
RT: 10.25 min Scan# 887  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion:164 Resp: 314551  
Ion Ratio Lower Upper  
164 100  
166 132.9 105.4 158.0  
129 81.8 65.7 98.5  
131 79.7 62.9 94.3



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: 23.042 ug/l

RT: 11.32 min Scan# 995

Delta R.T. 0.01 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

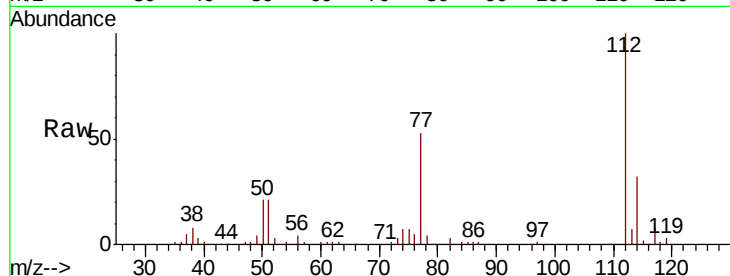
VD1031SBSD01

Tot Ion:112 Resp: 821529

Ion Ratio Lower Upper

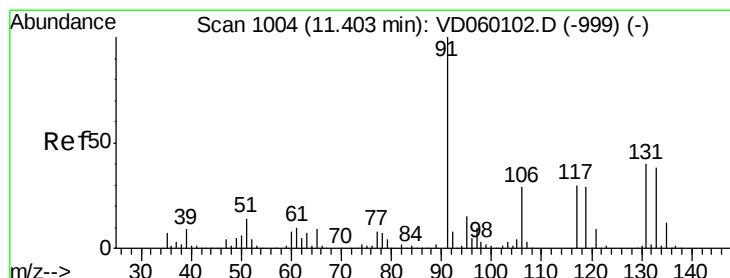
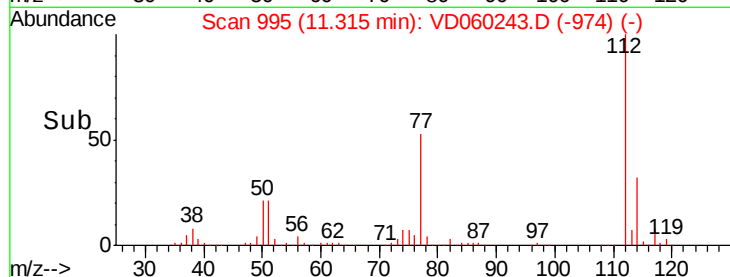
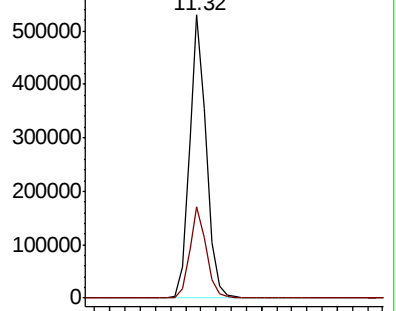
112 100

114 32.4 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.097 ug/l

RT: 11.42 min Scan# 1006

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

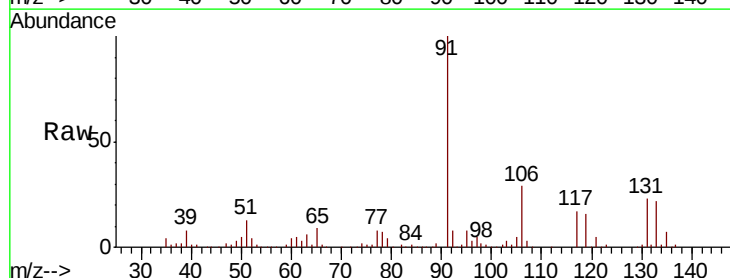
Tgt Ion:131 Resp: 274718

Ion Ratio Lower Upper

131 100

133 97.7 47.4 142.3

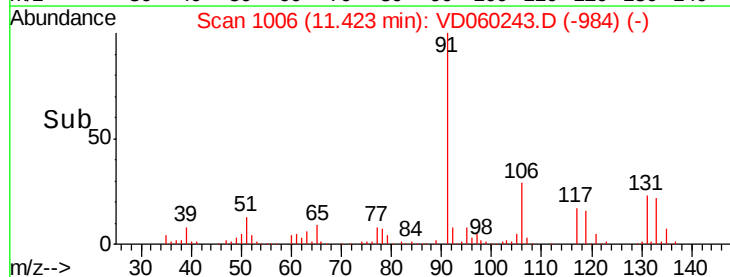
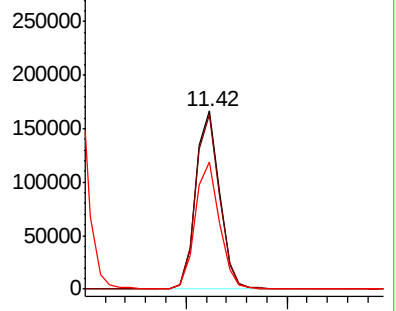
119 71.4 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

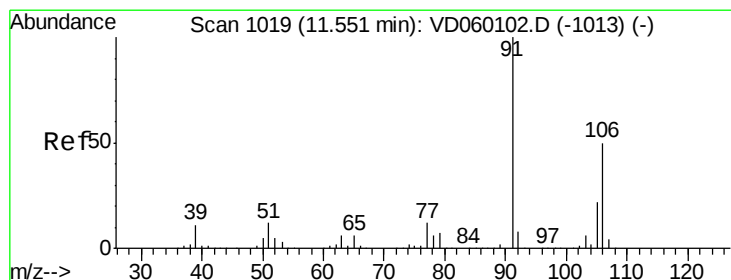
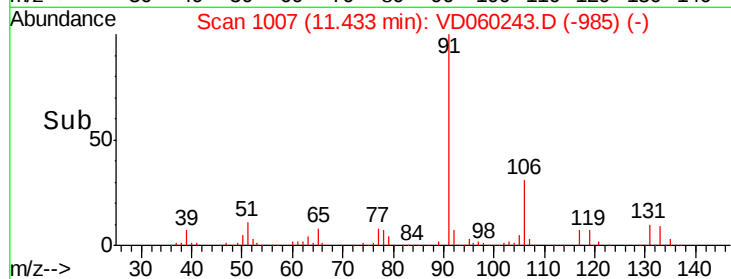
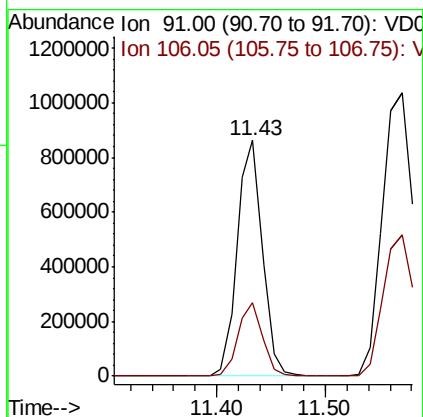
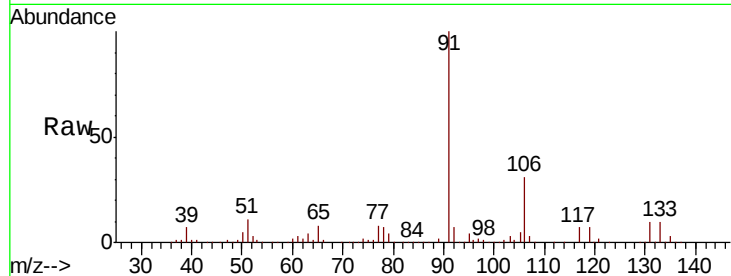




#67  
Ethyl Benzene  
Concen: 24.136 ug/l  
RT: 11.43 min Scan# 1007  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

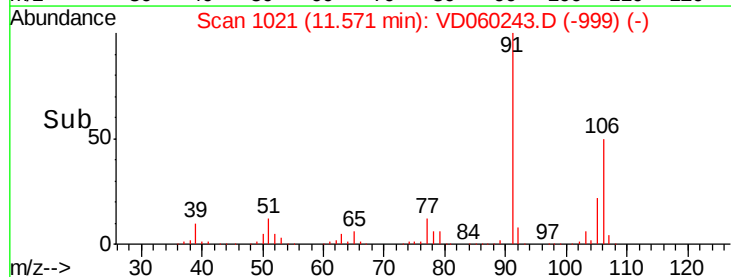
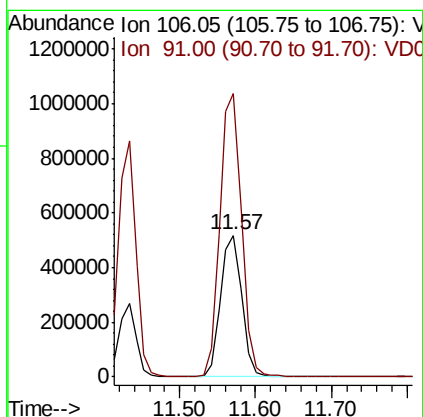
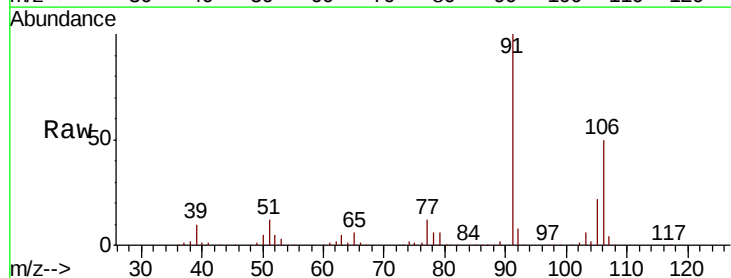
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBS01

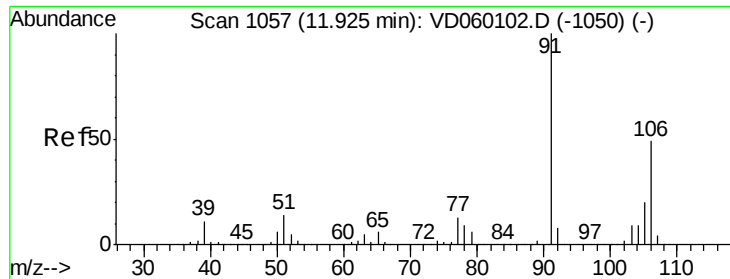
Tot Ion: 91 Resp: 1394233  
Ion Ratio Lower Upper  
91 100  
106 31.0 24.4 36.6



#68  
m/p-Xylenes  
Concen: 46.987 ug/l  
RT: 11.57 min Scan# 1021  
Delta R.T. 0.02 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion: 106 Resp: 1014138  
Ion Ratio Lower Upper  
106 100  
91 199.5 160.0 240.0

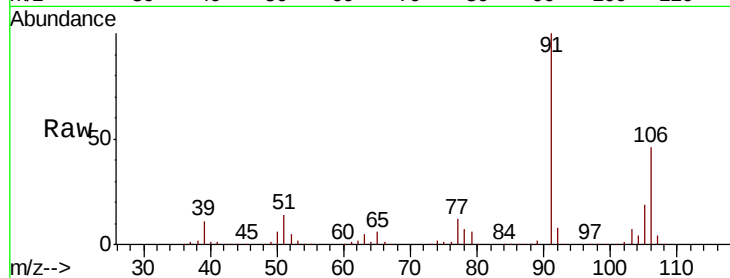




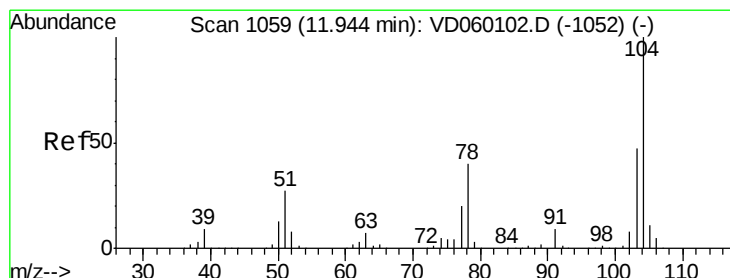
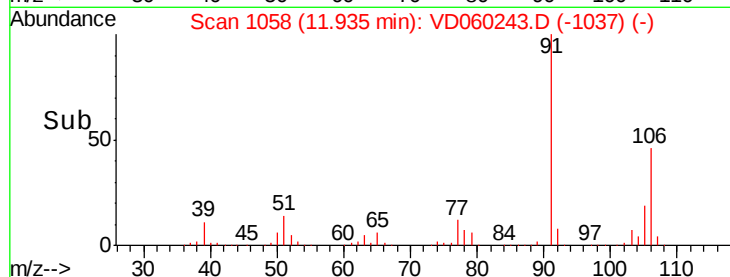
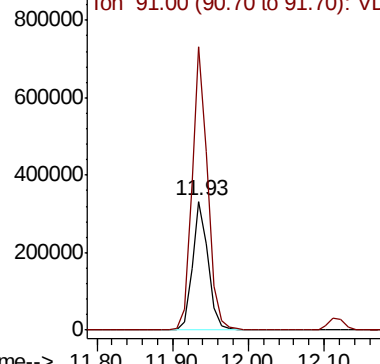
#69  
o-Xylene  
Concen: 22.780 ug/l  
RT: 11.93 min Scan# 1058  
Delta R.T. 0.01 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBS01

Tot Ion:106 Resp: 486319  
Ion Ratio Lower Upper  
106 100  
91 219.3 102.5 307.5

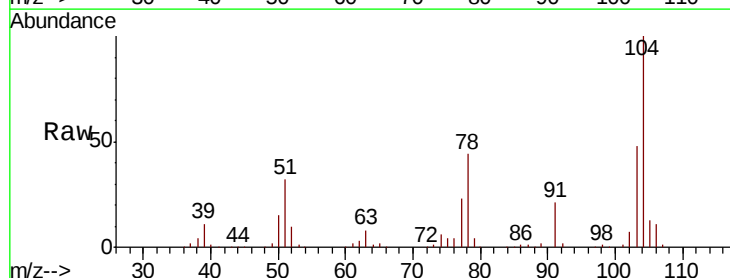


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

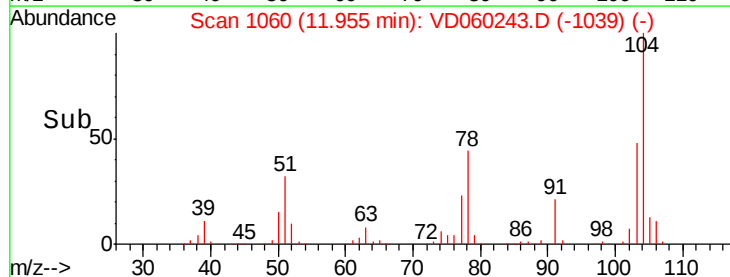
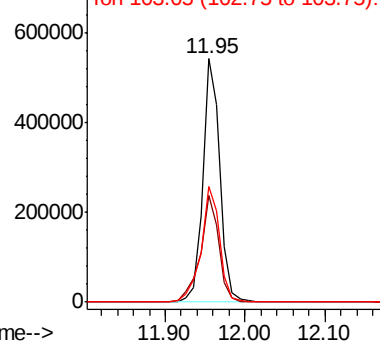


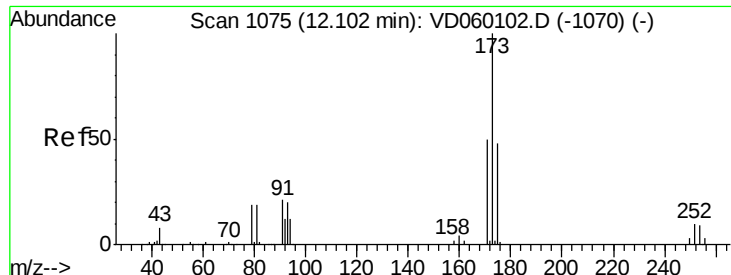
#70  
Styrene  
Concen: 22.819 ug/l  
RT: 11.95 min Scan# 1060  
Delta R.T. 0.01 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion:104 Resp: 814661  
Ion Ratio Lower Upper  
104 100  
78 43.7 32.2 48.4  
103 47.6 37.4 56.0



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: 22.508 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBSD01

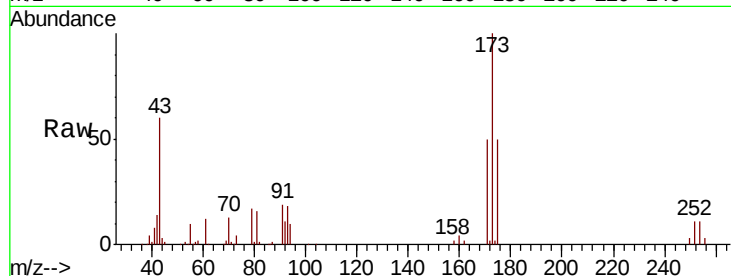
Tot Ion:173 Resp: 216783

Ion Ratio Lower Upper

173 100

175 50.3 24.1 72.4

254 10.8 7.4 11.0

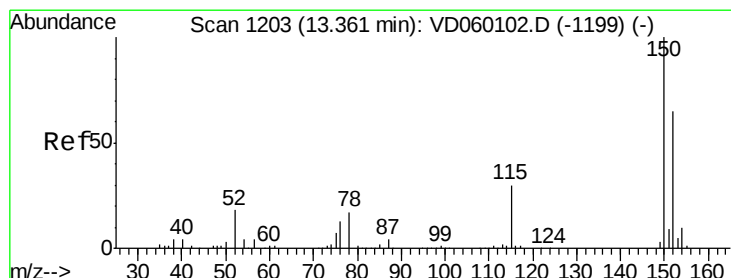
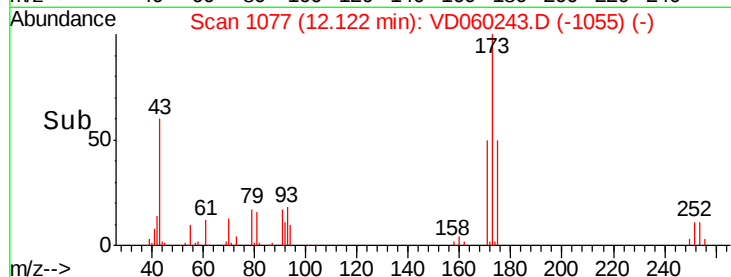
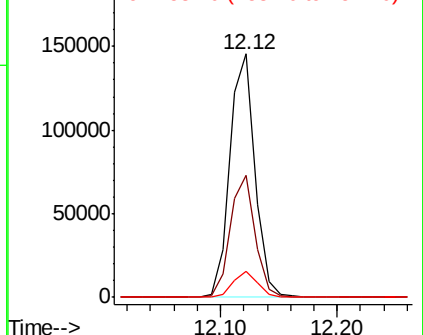


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

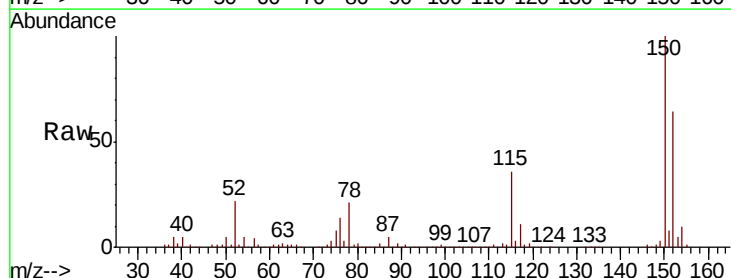
Tgt Ion:152 Resp: 894427

Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.2

150 155.2 0.0 311.8

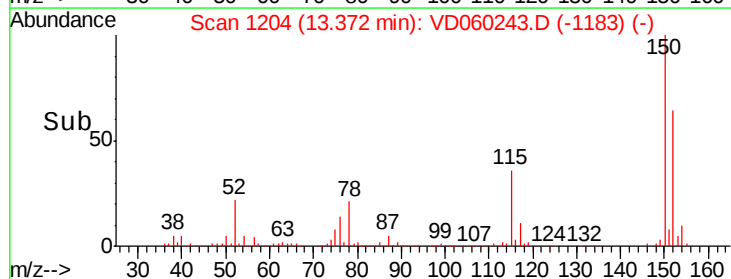
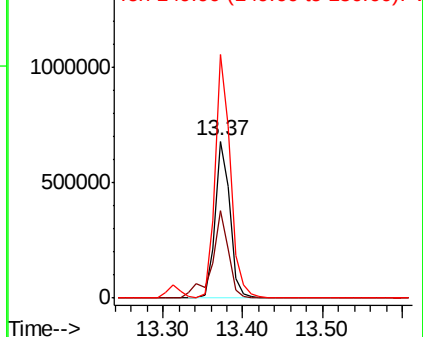


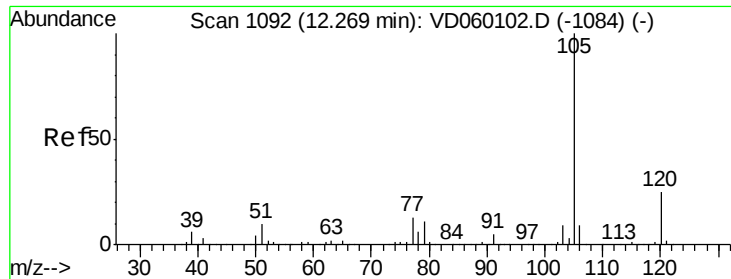
Abundance

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: 22.863 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

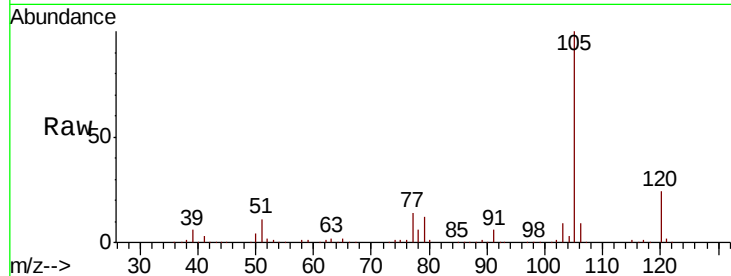
VD1031SBS01

Tot Ion:105 Resp: 1349107

Ion Ratio Lower Upper

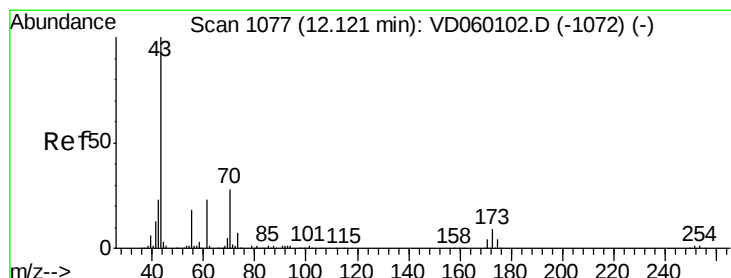
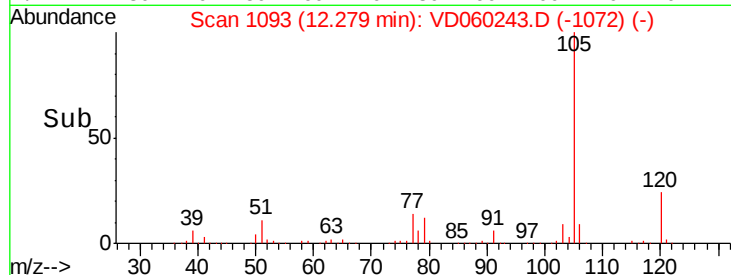
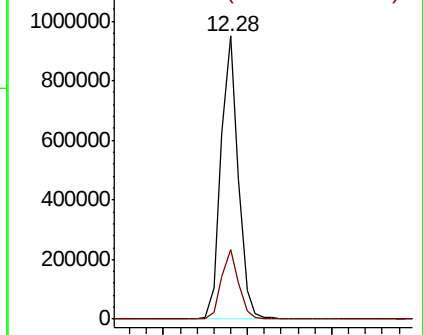
105 100

120 24.4 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.688 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Tgt Ion: 43 Resp: 490371

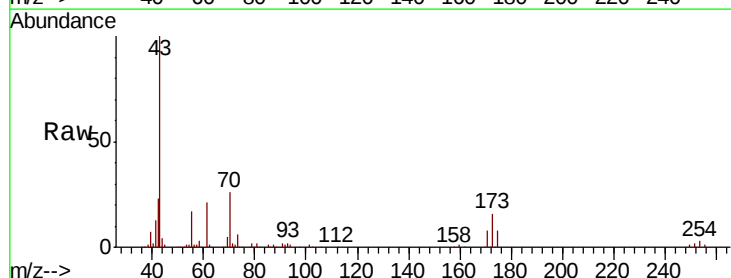
Ion Ratio Lower Upper

43 100

70 25.7 22.1 33.1

55 16.8 14.1 21.1

61 21.3 18.4 27.6

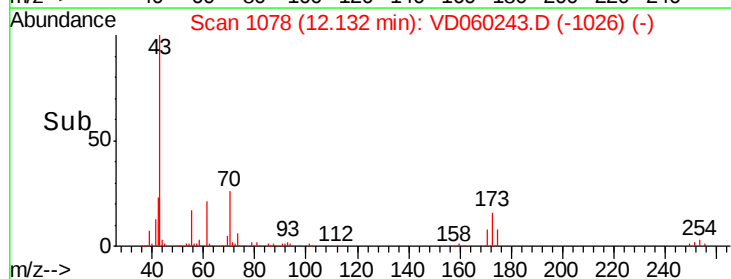
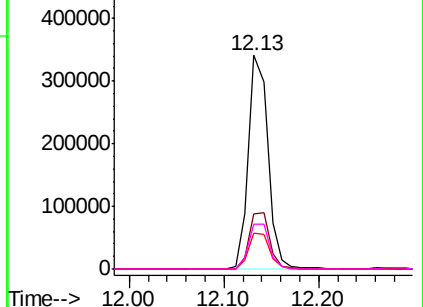


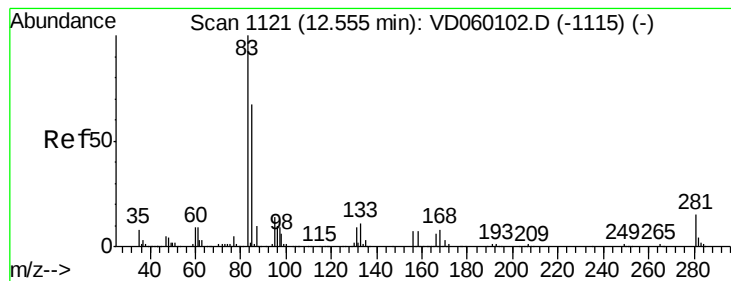
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 22.351 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

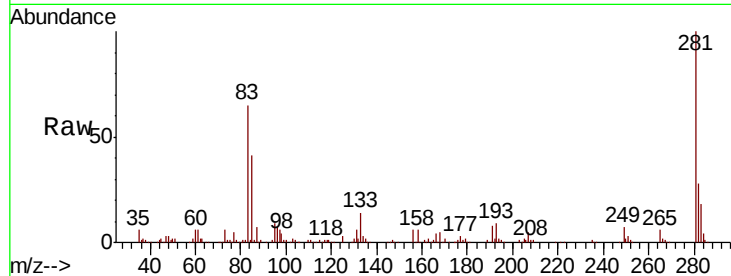
Tot Ion: 83 Resp: 287926

Ion Ratio Lower Upper

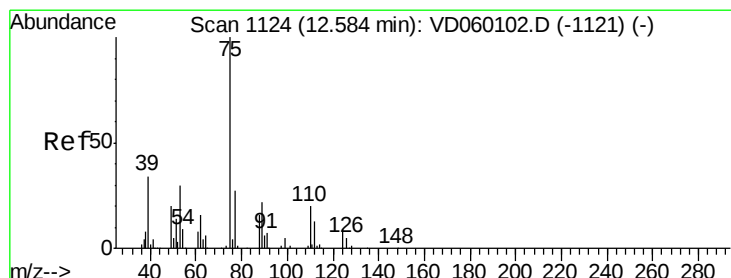
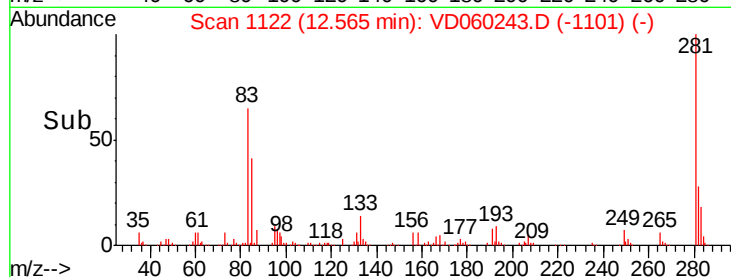
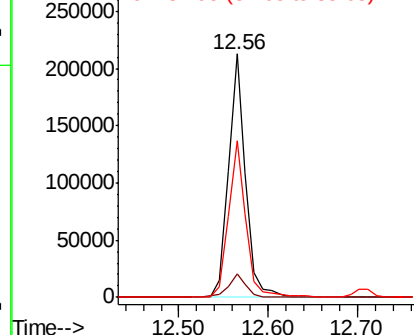
83 100

131 9.7 4.5 13.4

85 64.2 33.3 99.9



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: 22.760 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060243.D

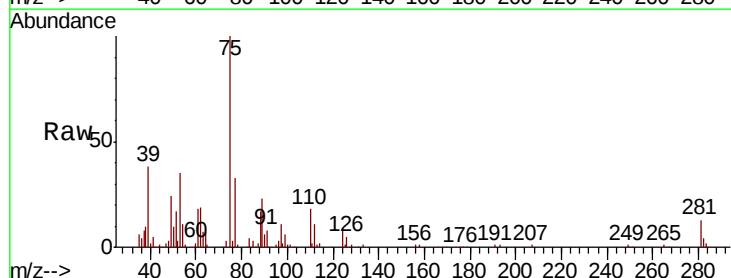
Acq: 31 Oct 2018 15:55

Tgt Ion: 75 Resp: 293163

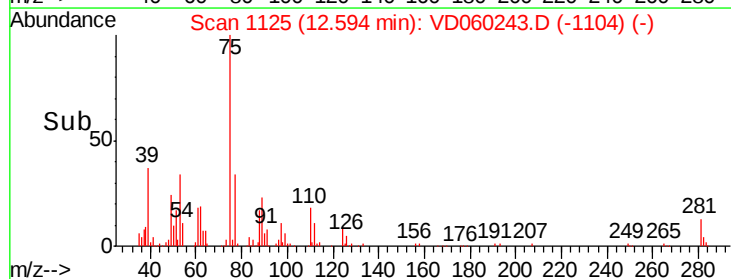
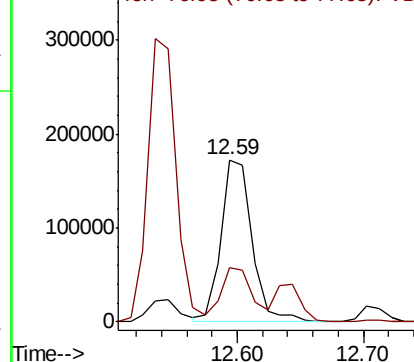
Ion Ratio Lower Upper

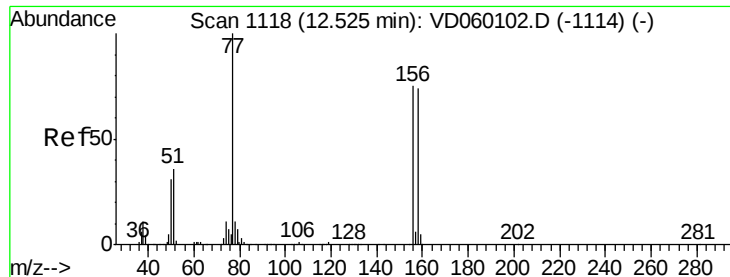
75 100

77 33.5 16.3 48.9



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





#77

Bromobenzene

Concen: 21.853 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBSD01

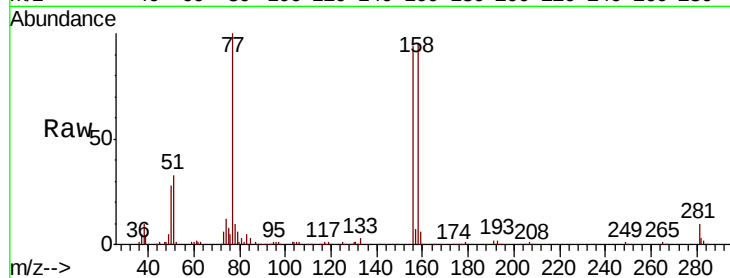
Tot Ion:156 Resp: 374712

Ion Ratio Lower Upper

156 100

77 106.8 66.9 200.7

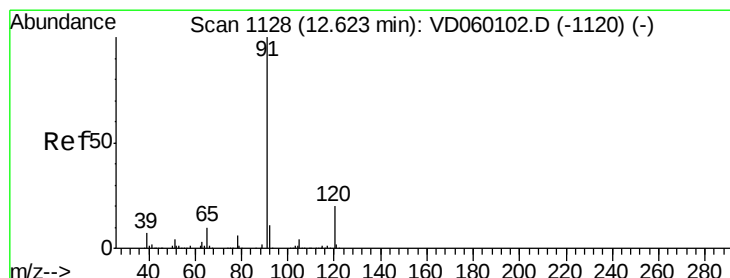
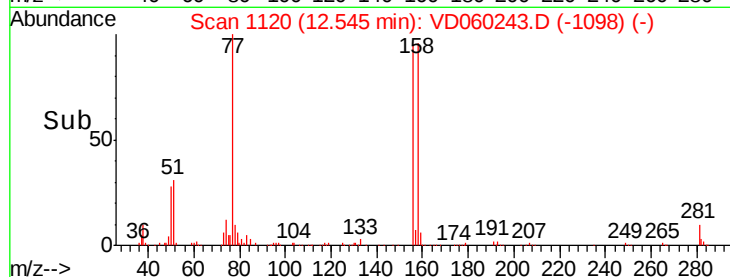
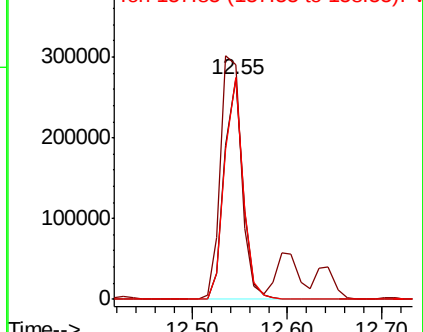
158 101.0 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.732 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.02 min

Lab File: VD060243.D

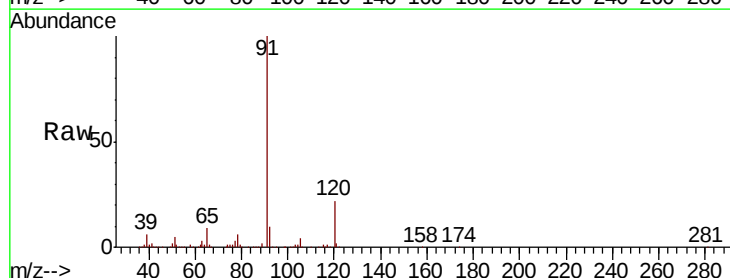
Acq: 31 Oct 2018 15:55

Tgt Ion: 91 Resp: 1738836

Ion Ratio Lower Upper

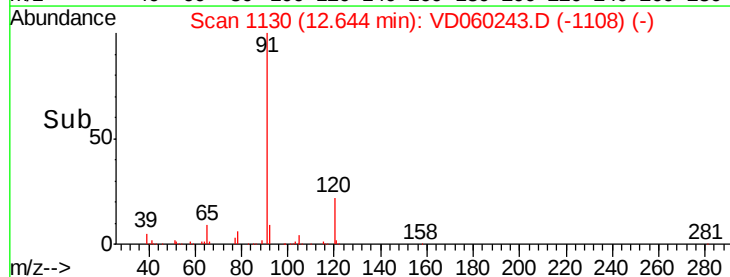
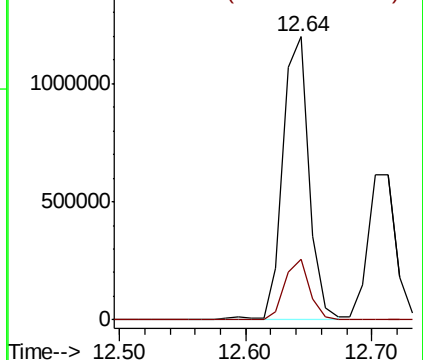
91 100

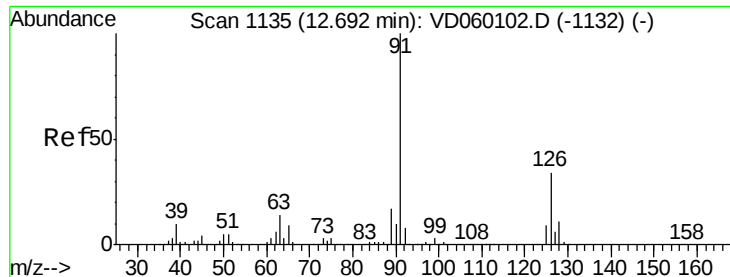
120 21.7 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 23.027 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

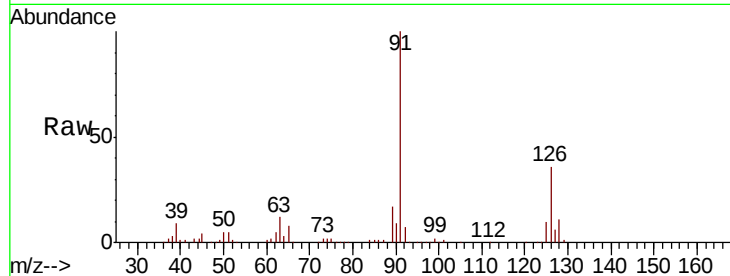
VD1031SBS01

Tot Ion: 91 Resp: 936380

Ion Ratio Lower Upper

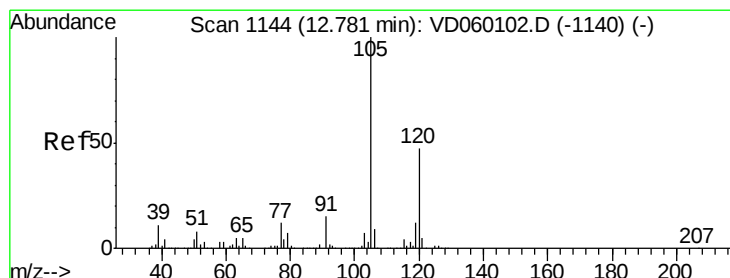
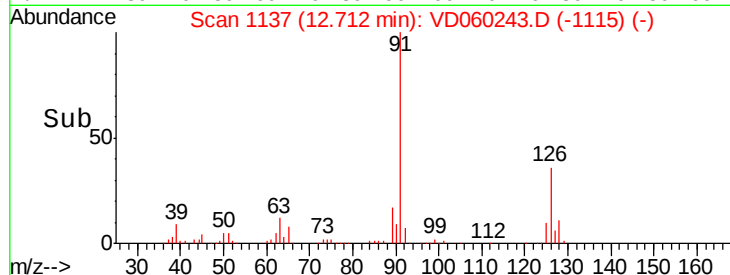
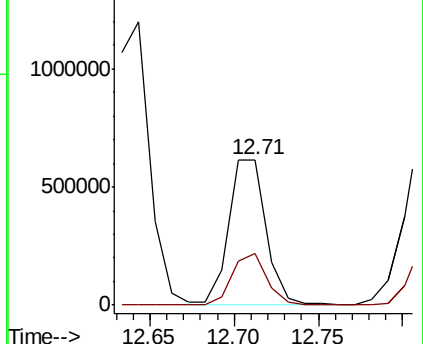
91 100

126 35.9 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 23.616 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060243.D

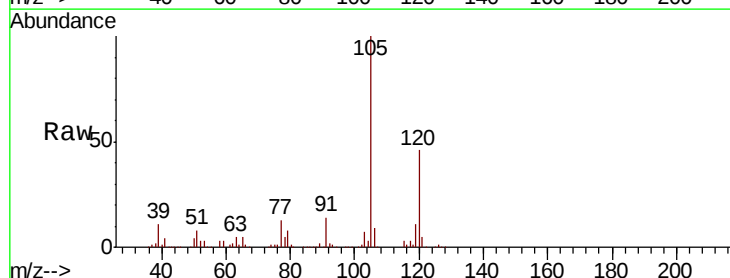
Acq: 31 Oct 2018 15:55

Tgt Ion:105 Resp: 1078537

Ion Ratio Lower Upper

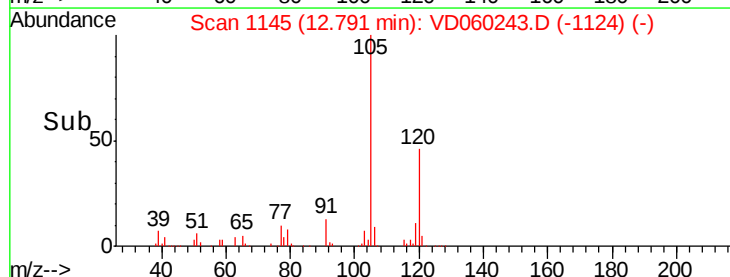
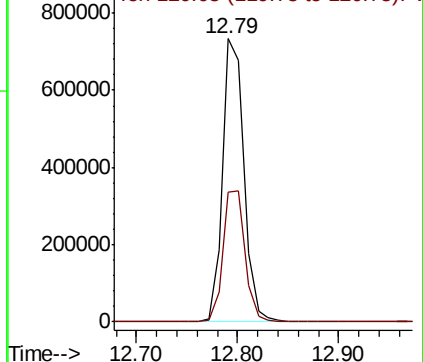
105 100

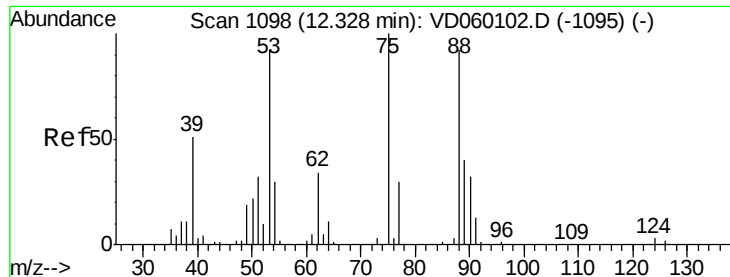
120 46.0 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.581 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBSD01

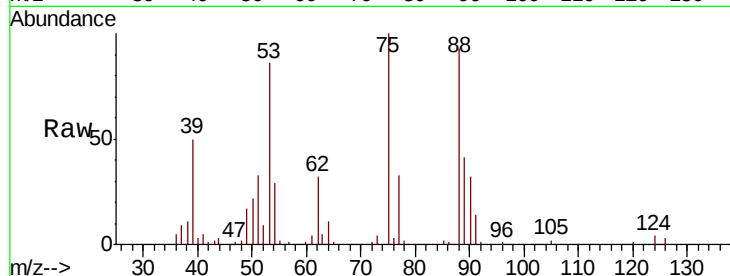
Tot Ion: 75 Resp: 78108

Ion Ratio Lower Upper

75 100

53 85.8 73.0 109.6

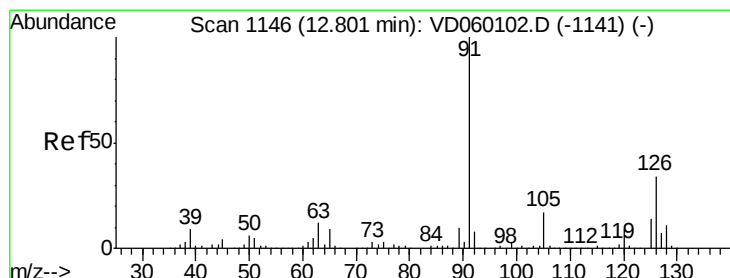
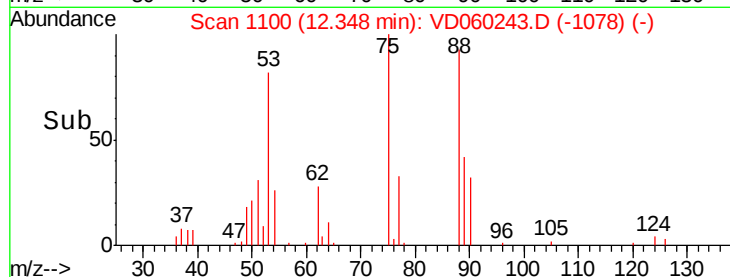
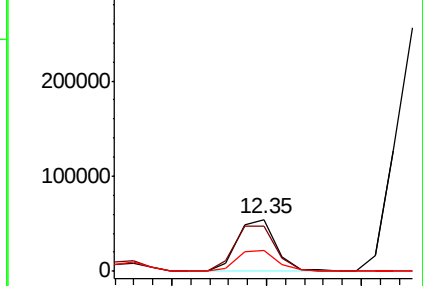
89 41.2 32.0 48.0



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: 23.422 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060243.D

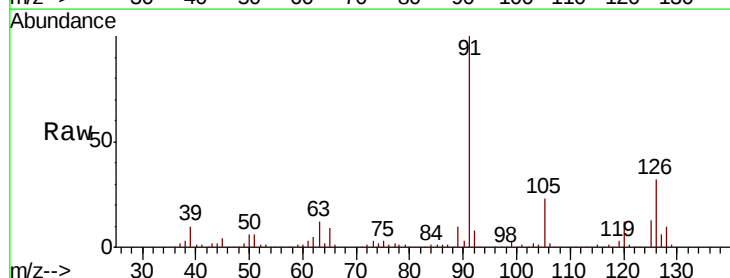
Acq: 31 Oct 2018 15:55

Tgt Ion: 91 Resp: 1077307

Ion Ratio Lower Upper

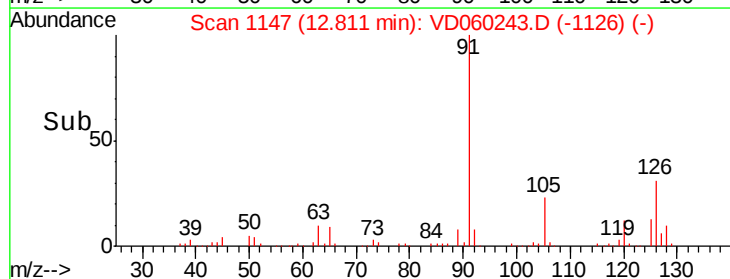
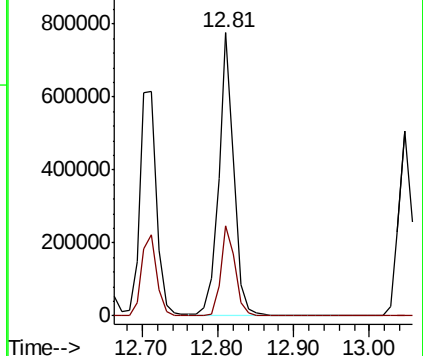
91 100

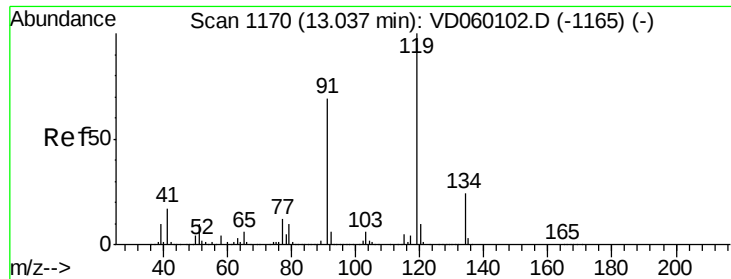
126 31.8 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

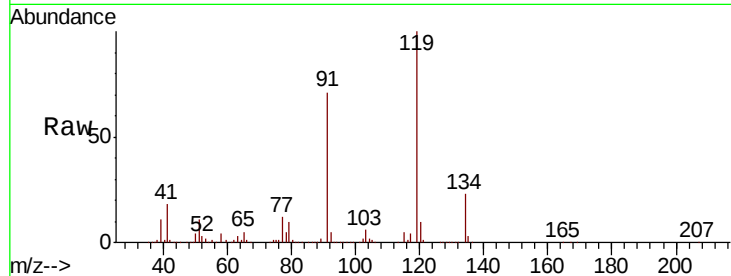




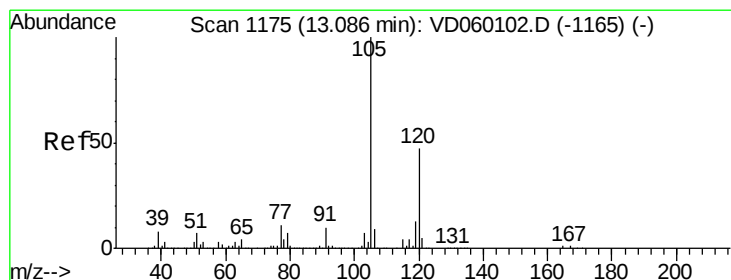
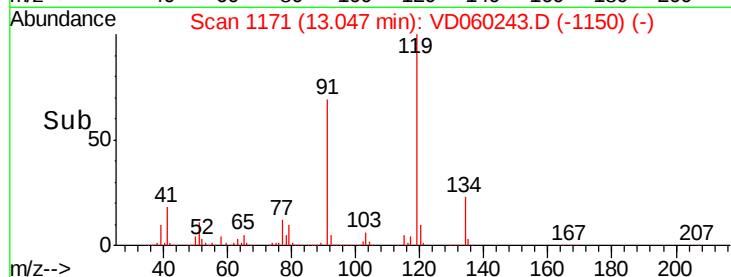
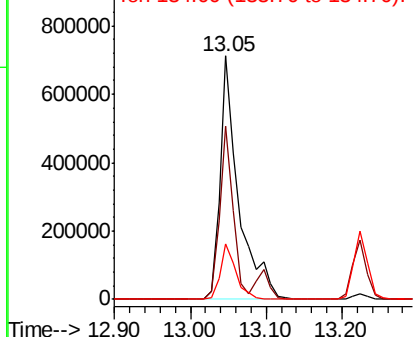
#83  
 tert-Butylbenzene  
 Concen: 23.436 ug/l  
 RT: 13.05 min Scan# 1171  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBS01

Tot Ion:119 Resp: 1228198  
 Ion Ratio Lower Upper  
 119 100  
 91 71.0 34.8 104.4  
 134 22.9 11.8 35.4

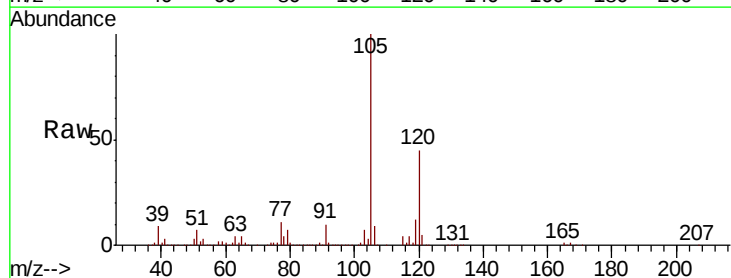


Abundance Ion 119.05 (118.75 to 119.75): V  
 Ion 91.00 (90.70 to 91.70): V  
 Ion 134.00 (133.70 to 134.70): V

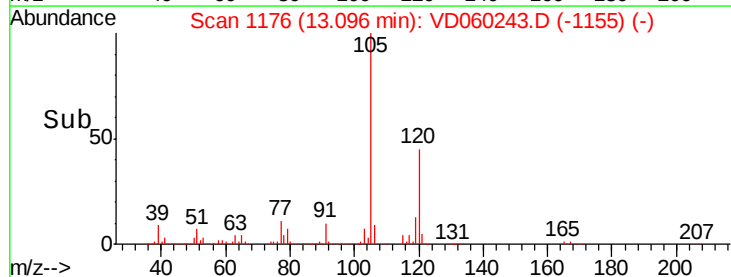
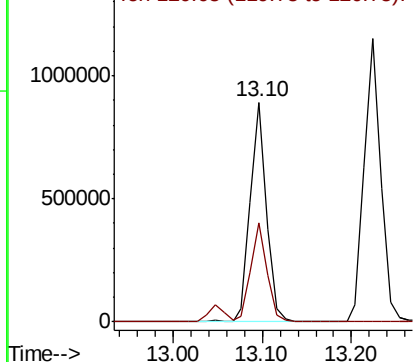


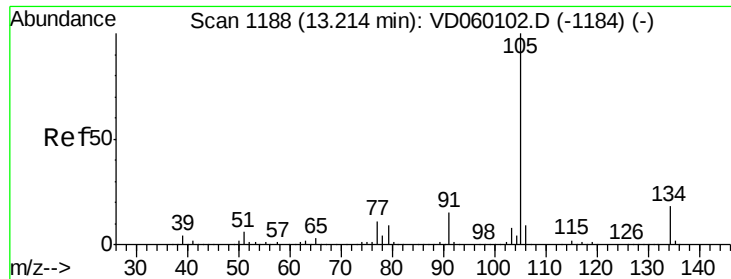
#84  
 1,2,4-Trimethylbenzene  
 Concen: 23.241 ug/l  
 RT: 13.10 min Scan# 1176  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion:105 Resp: 1118657  
 Ion Ratio Lower Upper  
 105 100  
 120 45.1 23.4 70.0



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

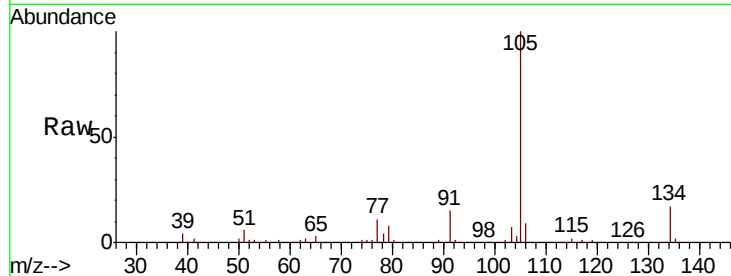




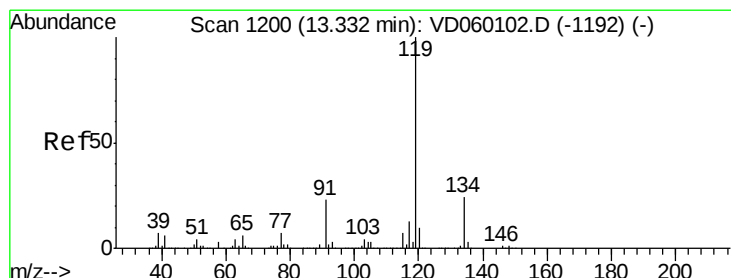
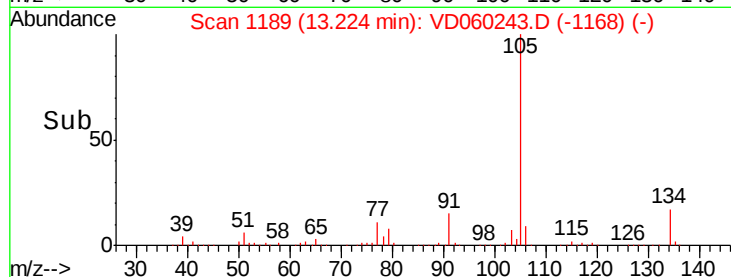
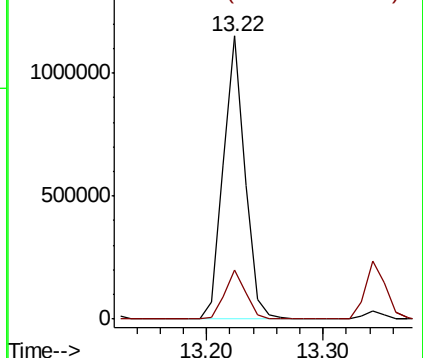
#85  
 sec-Butylbenzene  
 Concen: 23.747 ug/l  
 RT: 13.22 min Scan# 1189  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBS01

Tot Ion:105 Resp: 1471477  
 Ion Ratio Lower Upper  
 105 100  
 134 17.3 8.8 26.2

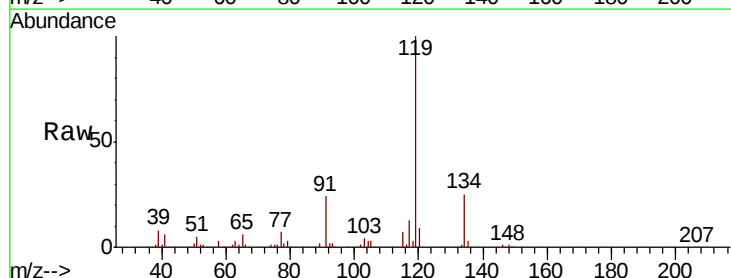


Abundance Ion 105.05 (104.75 to 105.75): V  
 Ion 134.10 (133.80 to 134.80): V

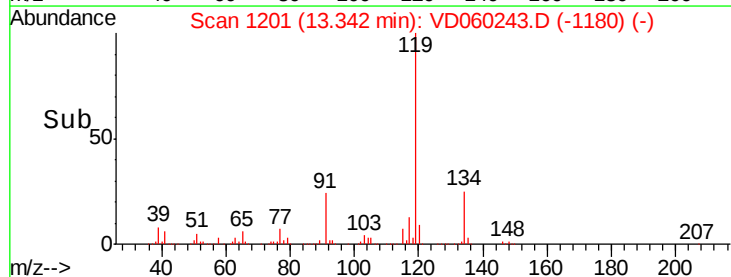
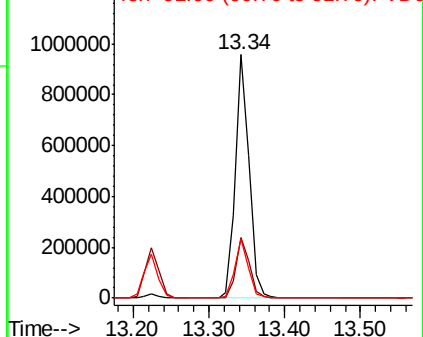


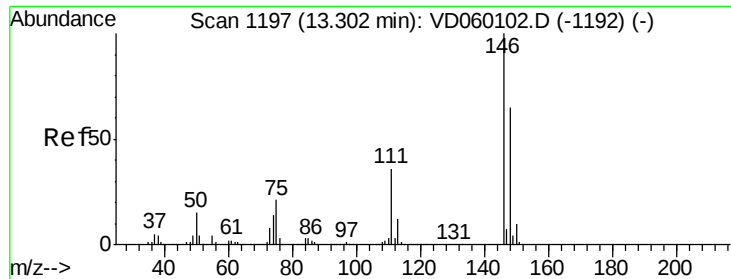
#86  
 p-Isopropyltoluene  
 Concen: 23.147 ug/l  
 RT: 13.34 min Scan# 1201  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion:119 Resp: 1176439  
 Ion Ratio Lower Upper  
 119 100  
 134 24.6 12.3 36.8  
 91 24.5 11.8 35.4



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

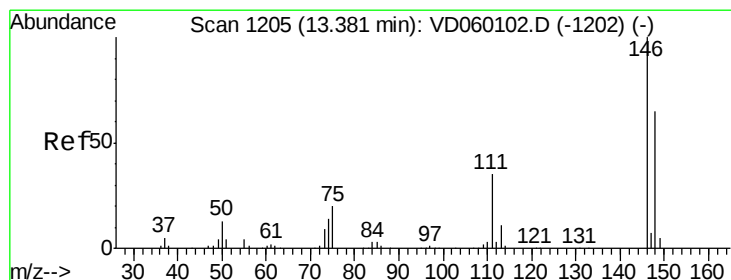
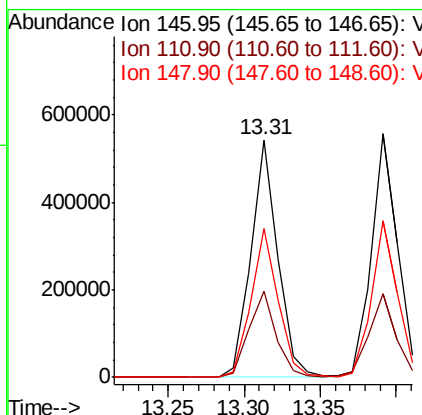
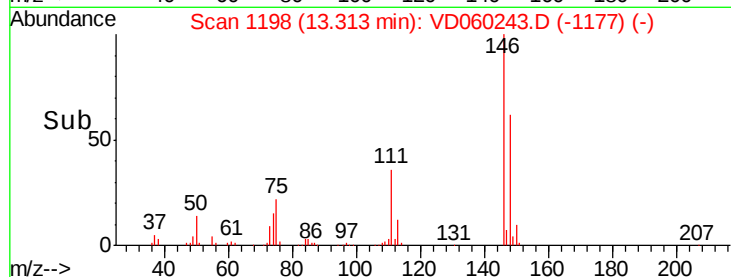
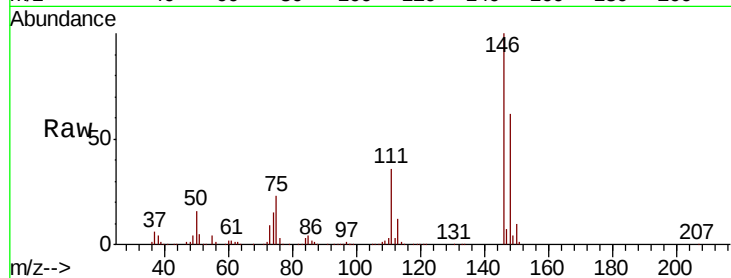




#87  
 1,3-Dichlorobenzene  
 Concen: 22.476 ug/l  
 RT: 13.31 min Scan# 1198  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

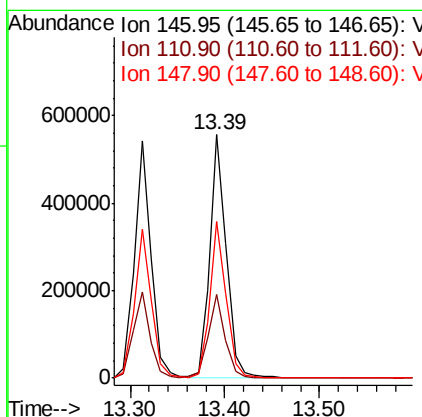
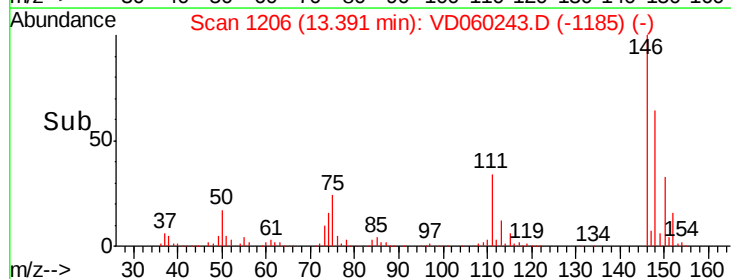
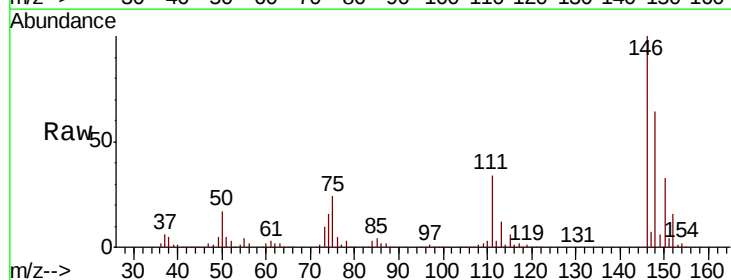
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBS01

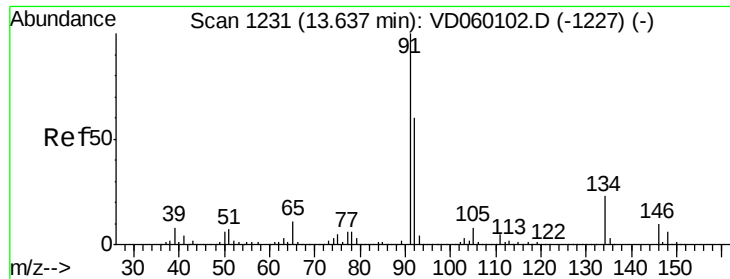
Tot Ion:146 Resp: 671467  
 Ion Ratio Lower Upper  
 146 100  
 111 36.4 18.1 54.3  
 148 62.4 32.3 96.9



#88  
 1,4-Dichlorobenzene  
 Concen: 22.709 ug/l  
 RT: 13.39 min Scan# 1206  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion:146 Resp: 681439  
 Ion Ratio Lower Upper  
 146 100  
 111 34.5 17.8 53.3  
 148 64.2 32.4 97.2





#89

n-Butylbenzene

Concen: 23.636 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD060243.D

Acq: 31 Oct 2018 15:55

Instrument :

MSVOA\_D

ClientSampleId :

VD1031SBS01

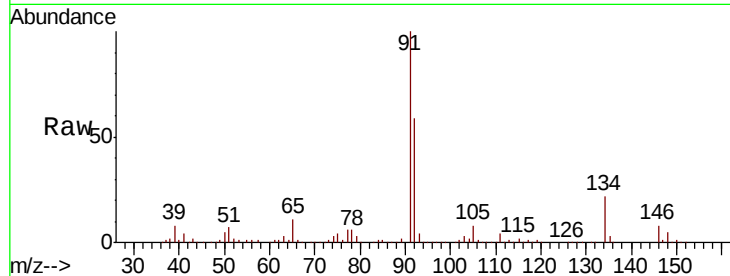
Tot Ion: 91 Resp: 1172129

Ion Ratio Lower Upper

91 100

92 59.2 30.1 90.3

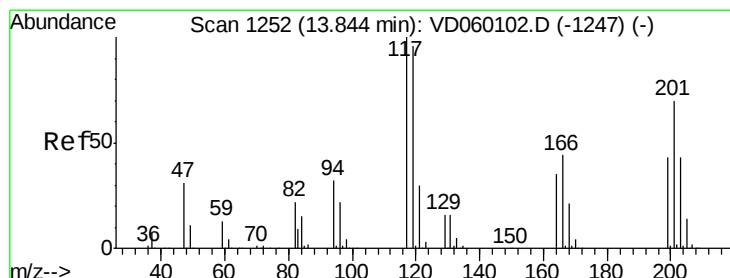
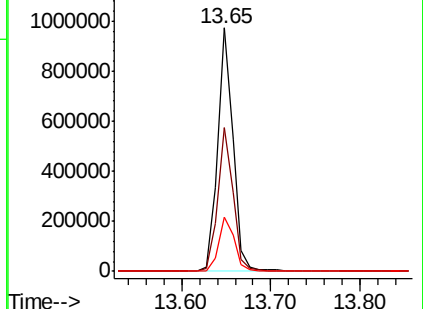
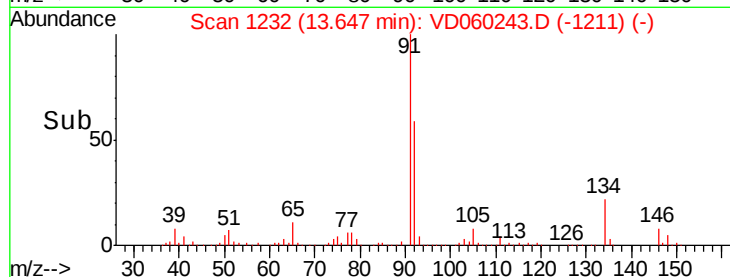
134 22.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 23.284 ug/l

RT: 13.86 min Scan# 1254

Delta R.T. 0.02 min

Lab File: VD060243.D

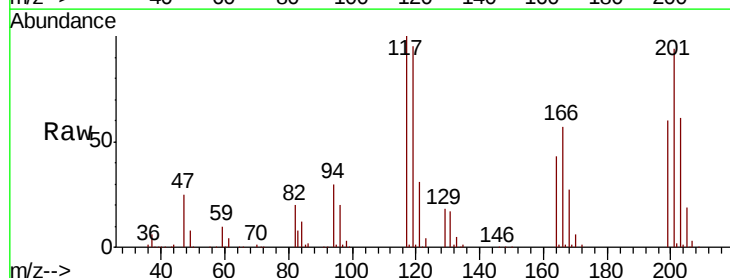
Acq: 31 Oct 2018 15:55

Tgt Ion: 117 Resp: 273875

Ion Ratio Lower Upper

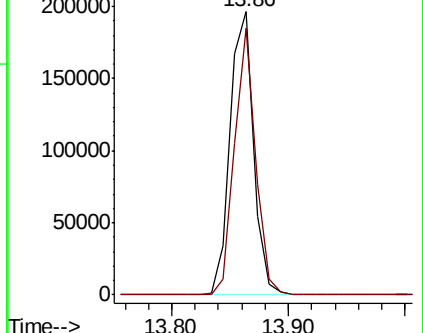
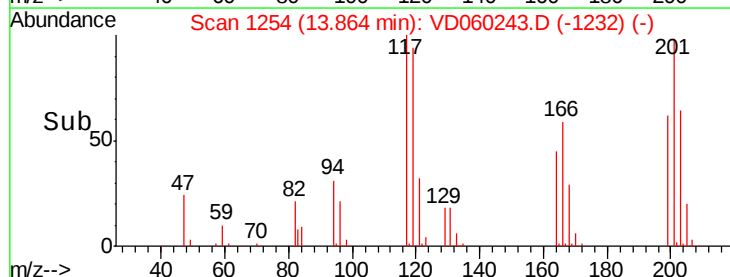
117 100

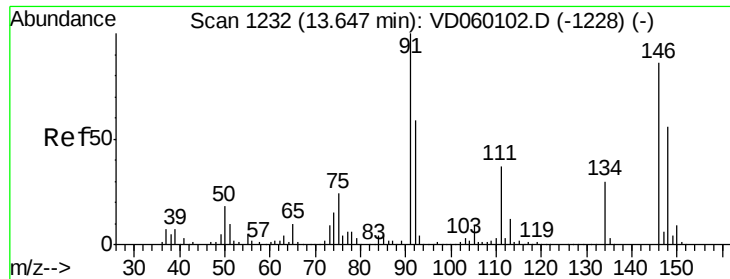
201 94.5 34.8 104.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

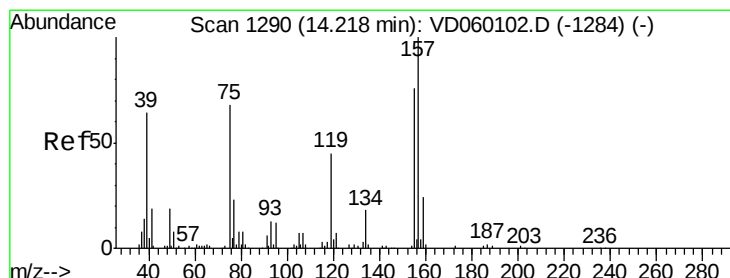
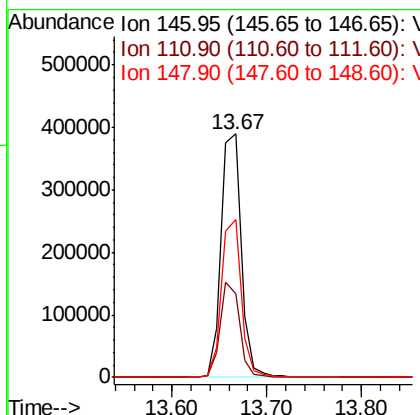
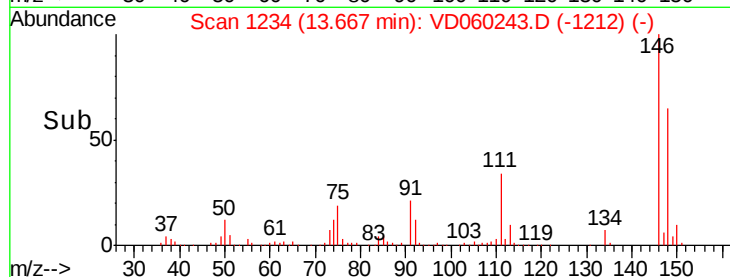
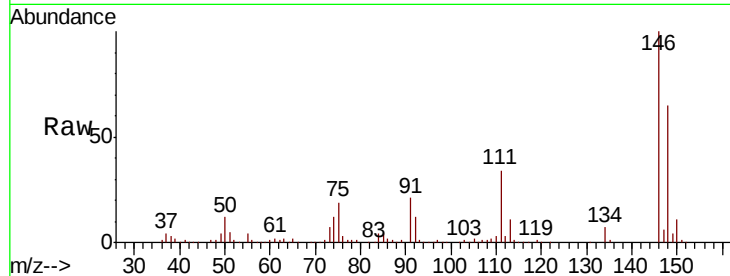




#91  
 1,2-Dichlorobenzene  
 Concen: 22.858 ug/l  
 RT: 13.67 min Scan# 1234  
 Delta R.T. 0.02 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

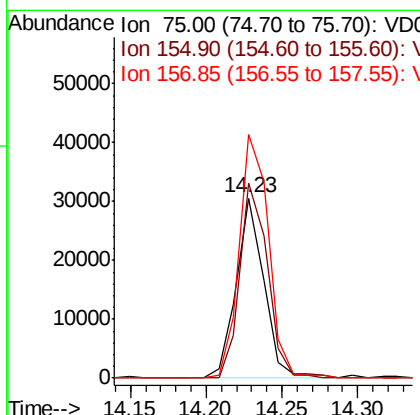
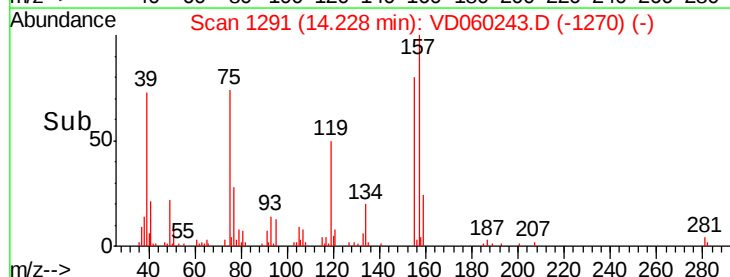
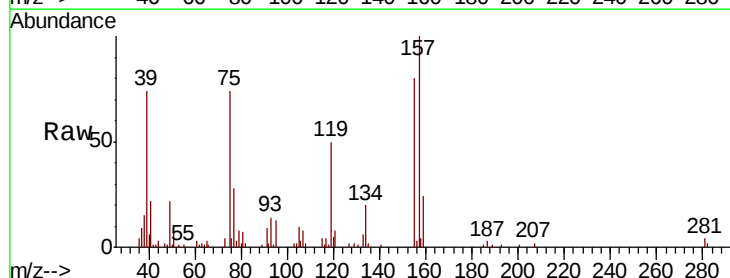
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1031SBSD01

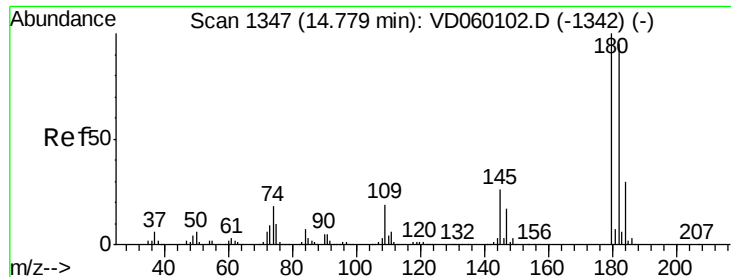
Tot Ion:146 Resp: 574188  
 Ion Ratio Lower Upper  
 146 100  
 111 34.4 21.4 64.3  
 148 64.6 32.2 96.6



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.593 ug/l  
 RT: 14.23 min Scan# 1291  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

Tgt Ion: 75 Resp: 38861  
 Ion Ratio Lower Upper  
 75 100  
 155 108.1 55.9 167.7  
 157 135.2 73.3 219.8

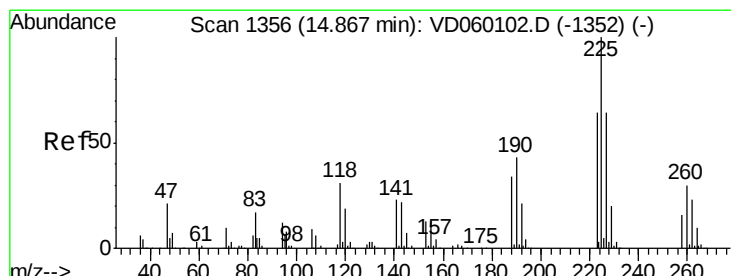
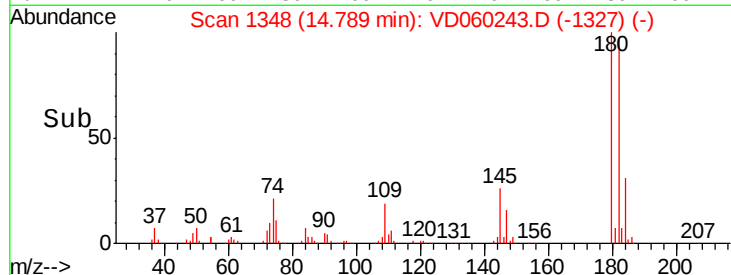
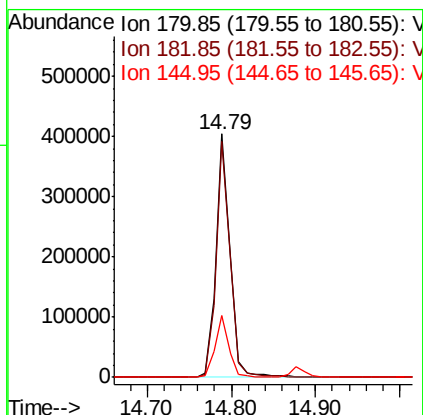
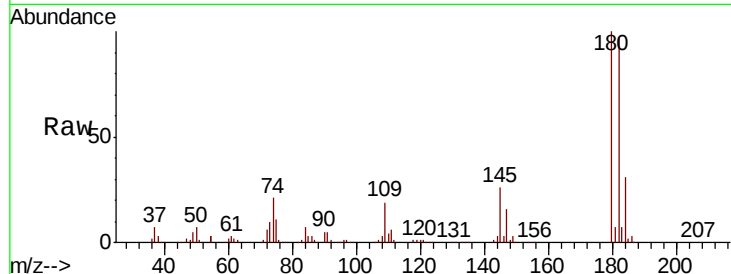




#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.954 ug/l  
 RT: 14.79 min Scan# 1348  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

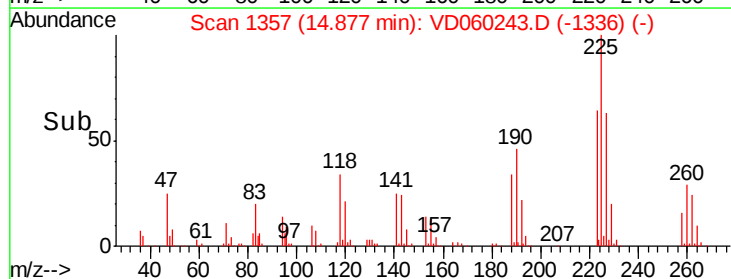
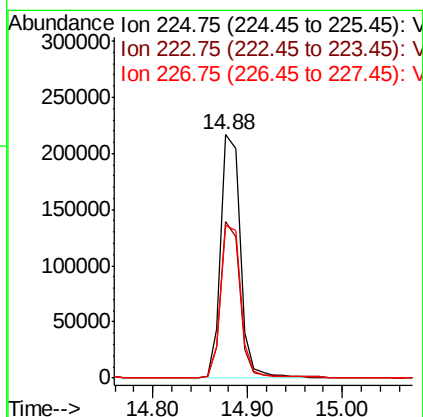
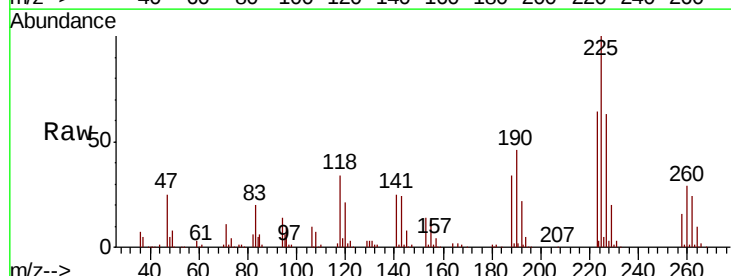
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD1031SBSD01

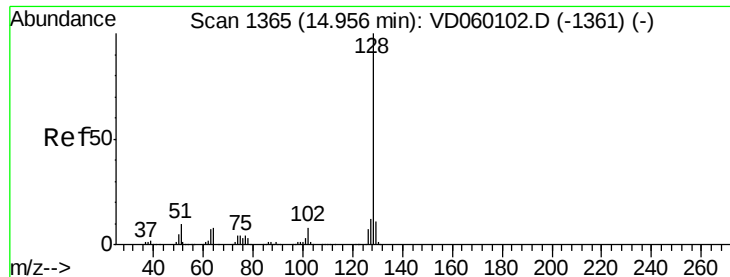
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.7  | 47.3  | 141.8 |
| 145     | 25.7  | 13.0  | 38.9  |



#94  
 Hexachlorobutadiene  
 Concen: 22.239 ug/l  
 RT: 14.88 min Scan# 1357  
 Delta R.T. 0.01 min  
 Lab File: VD060243.D  
 Acq: 31 Oct 2018 15:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.4  | 31.8  | 95.4  |
| 227     | 62.8  | 32.0  | 96.0  |

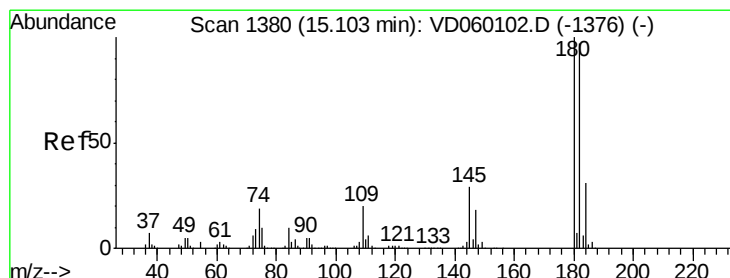
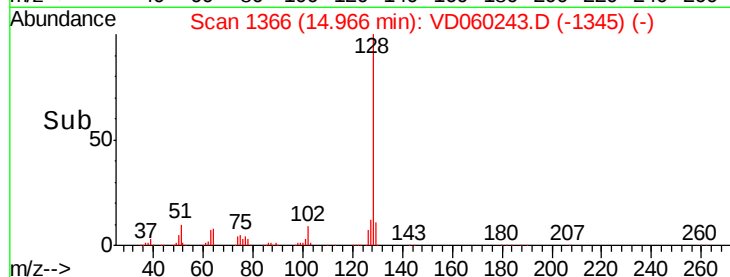
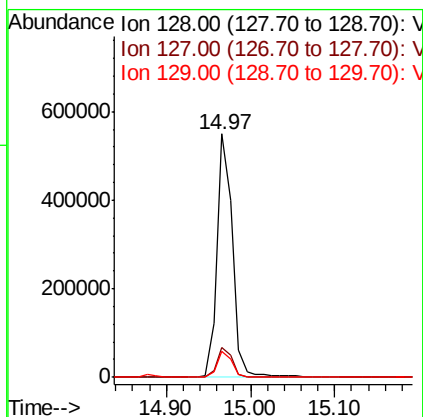
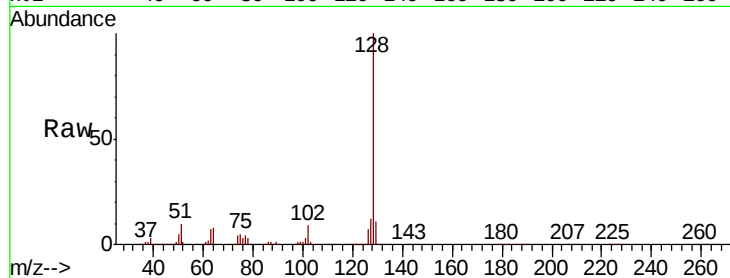




#95  
Naphthalene  
Concen: 22.146 ug/l  
RT: 14.97 min Scan# 1366  
Delta R.T. 0.01 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1031SBSD01

Tot Ion:128 Resp: 699900  
Ion Ratio Lower Upper  
128 100  
127 12.3 9.9 14.9  
129 10.8 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 21.992 ug/l  
RT: 15.11 min Scan# 1381  
Delta R.T. 0.01 min  
Lab File: VD060243.D  
Acq: 31 Oct 2018 15:55

Tgt Ion:180 Resp: 407888  
Ion Ratio Lower Upper  
180 100  
182 97.8 48.4 145.0  
145 28.8 14.5 43.6

