

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\  
 Data File : VD061081.D  
 Acq On : 15 Mar 2019 12:30  
 Operator : VA/AP  
 Sample : VD0315SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

Quant Time: Mar 16 05:40:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.07  | 168  | 702010   | 50.00 | ug/l  | 0.03     |
| 34) 1,4-Difluorobenzene    | 8.24  | 114  | 1137388  | 50.00 | ug/l  | 0.03     |
| 63) Chlorobenzene-d5       | 12.38 | 117  | 919737   | 50.00 | ug/l  | 0.02     |
| 72) 1,4-Dichlorobenzene-d4 | 14.53 | 152  | 417858   | 50.00 | ug/l  | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.48  | 65   | 286481   | 49.03 | ug/l    | 0.03     |
| Spiked Amount               |       |      | Recovery | =     | 98.06%  |          |
| 35) Dibromofluoromethane    | 6.95  | 113  | 443249   | 52.51 | ug/l    | 0.03     |
| Spiked Amount               |       |      | Recovery | =     | 105.02% |          |
| 50) Toluene-d8              | 10.43 | 98   | 1093829  | 51.60 | ug/l    | 0.03     |
| Spiked Amount               |       |      | Recovery | =     | 103.20% |          |
| 62) 4-Bromofluorobenzene    | 13.57 | 95   | 389637   | 47.37 | ug/l    | 0.02     |
| Spiked Amount               |       |      | Recovery | =     | 94.74%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85   | 134689   | 19.369 | ug/l   | 98     |
| 3) Chloromethane              | 1.77 | 50   | 107216   | 18.509 | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.86 | 62   | 101220   | 18.910 | ug/l   | 97     |
| 5) Bromomethane               | 2.16 | 94   | 16832    | 15.159 | ug/l   | 86     |
| 6) Chloroethane               | 2.27 | 64   | 29694    | 18.534 | ug/l # | 87     |
| 7) Trichlorofluoromethane     | 2.54 | 101  | 149313   | 19.418 | ug/l   | 96     |
| 8) Diethyl Ether              | 2.89 | 74   | 47704    | 18.806 | ug/l   | 84     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.17 | 101  | 166060   | 19.316 | ug/l   | 97     |
| 10) Methyl Iodide             | 3.33 | 142  | 183526   | 17.526 | ug/l   | 98     |
| 11) Tert butyl alcohol        | 4.09 | 59   | 33756    | 90.741 | ug/l   | 99     |
| 12) 1,1-Dichloroethene        | 3.15 | 96   | 133222   | 18.905 | ug/l   | 94     |
| 13) Acrolein                  | 3.06 | 56   | 39646    | 73.657 | ug/l   | 95     |
| 14) Allyl chloride            | 3.65 | 41   | 213960   | 18.977 | ug/l   | 97     |
| 15) Acrylonitrile             | 4.22 | 53   | 114061   | 86.753 | ug/l   | 97     |
| 16) Acetone                   | 3.24 | 43   | 157905   | 94.498 | ug/l   | 97     |
| 17) Carbon Disulfide          | 3.40 | 76   | 400124   | 16.833 | ug/l   | 99     |
| 18) Methyl Acetate            | 3.66 | 43   | 56054    | 17.046 | ug/l # | 91     |
| 19) Methyl tert-butyl Ether   | 4.27 | 73   | 237005   | 19.191 | ug/l   | 97     |
| 20) Methylene Chloride        | 3.84 | 84   | 161120   | 18.179 | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 4.25 | 96   | 143120   | 18.765 | ug/l   | 97     |
| 22) Diisopropyl ether         | 5.14 | 45   | 437178   | 18.679 | ug/l   | 93     |
| 23) Vinyl Acetate             | 5.08 | 43   | 1118129  | 93.061 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 5.01 | 63   | 246882   | 19.252 | ug/l   | 98     |
| 25) 2-Butanone                | 6.10 | 43   | 172894   | 91.184 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.06 | 77   | 195108   | 19.489 | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.07 | 96   | 160478   | 19.831 | ug/l   | 98     |
| 28) Bromochloromethane        | 6.46 | 49   | 93512    | 17.225 | ug/l   | 100    |
| 29) Tetrahydrofuran           | 6.49 | 42   | 86128    | 83.653 | ug/l   | 97     |
| 30) Chloroform                | 6.70 | 83   | 255213   | 19.202 | ug/l   | 97     |
| 31) Cyclohexane               | 6.98 | 56   | 181262   | 17.530 | ug/l   | 95     |
| 32) 1,1,1-Trichloroethane     | 6.90 | 97   | 215225   | 18.731 | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.17 | 75   | 198144   | 20.210 | ug/l   | 98     |
| 37) Ethyl Acetate             | 6.21 | 43   | 83286    | 18.103 | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 7.14 | 117  | 214312   | 19.845 | ug/l   | 97     |

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 Sample : VD0315SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

Quant Time: Mar 16 05:40:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 08 02:35:39 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.89  | 83   | 216297   | 21.276  | ug/l   | 96       |
| 40) Benzene                    | 7.48  | 78   | 497277   | 20.299  | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.47  | 41   | 95267    | 18.003  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 7.60  | 62   | 141607   | 19.919  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 9.26  | 43   | 109530   | 17.189  | ug/l # | 100      |
| 44) Trichloroethene            | 8.57  | 130  | 178667   | 21.140  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 8.96  | 63   | 129949   | 20.190  | ug/l   | 99       |
| 46) Dibromomethane             | 9.08  | 93   | 80411    | 19.696  | ug/l   | 94       |
| 47) Bromodichloromethane       | 9.40  | 83   | 178357   | 19.360  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.14  | 41   | 68302    | 19.038  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.11  | 88   | 13573    | 374.131 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone       | 10.32 | 43   | 359124   | 91.994  | ug/l   | 98       |
| 52) Toluene                    | 10.53 | 92   | 317571   | 20.846  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.93 | 75   | 157366   | 18.680  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 10.05 | 75   | 198333   | 19.595  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 11.22 | 97   | 99436    | 19.600  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 11.06 | 69   | 100359   | 18.899  | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 11.42 | 76   | 154777   | 20.416  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 9.88  | 63   | 247810   | 88.164  | ug/l   | 97       |
| 59) 2-Hexanone                 | 11.55 | 43   | 272639   | 95.476  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.70 | 129  | 148377   | 19.873  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.83 | 107  | 112119   | 18.998  | ug/l   | 99       |
| 64) Tetrachloroethene          | 11.28 | 164  | 134328   | 21.636  | ug/l   | 98       |
| 65) Chlorobenzene              | 12.42 | 112  | 348637   | 19.336  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.53 | 131  | 148890   | 23.166  | ug/l   | 98       |
| 67) Ethyl Benzene              | 12.54 | 91   | 626201   | 23.328  | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.68 | 106  | 455622   | 43.245  | ug/l   | 98       |
| 69) o-Xylene                   | 13.06 | 106  | 236340   | 22.821  | ug/l   | 99       |
| 70) Styrene                    | 13.09 | 104  | 373432   | 22.082  | ug/l   | 99       |
| 71) Bromoform                  | 13.24 | 173  | 83578    | 20.158  | ug/l # | 94       |
| 73) Isopropylbenzene           | 13.41 | 105  | 572010   | 18.995  | ug/l   | 98       |
| 74) N-amyl acetate             | 13.27 | 43   | 149408   | 17.620  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.71 | 83   | 107738   | 18.337  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 13.75 | 75   | 107557   | 17.891  | ug/l   | 95       |
| 77) Bromobenzene               | 13.69 | 156  | 156113   | 20.308  | ug/l   | 94       |
| 78) n-propylbenzene            | 13.79 | 91   | 695889   | 19.739  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 13.85 | 91   | 357686   | 18.429  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 14.25 | 105  | 491925   | 21.518  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 32397    | 18.279  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 13.96 | 91   | 468567   | 20.421  | ug/l   | 97       |
| 83) tert-Butylbenzene          | 14.20 | 119  | 533826   | 21.337  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene     | 14.25 | 105  | 491925   | 21.518  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 14.38 | 105  | 619619   | 20.286  | ug/l   | 95       |
| 86) p-Isopropyltoluene         | 14.50 | 119  | 526885   | 21.104  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 14.47 | 146  | 270148   | 19.680  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 265054   | 19.650  | ug/l   | 97       |
| 89) n-Butylbenzene             | 14.81 | 91   | 476241   | 19.863  | ug/l   | 97       |
| 90) Hexachloroethane           | 15.02 | 117  | 138915   | 19.705  | ug/l   | 77       |
| 91) 1,2-Dichlorobenzene        | 14.82 | 146  | 240703   | 21.034  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.39 | 75   | 12847    | 18.145  | ug/l   | 88       |

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Sample : VD0315SBS01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

Quant Time: Mar 16 05:40:50 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D030719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration

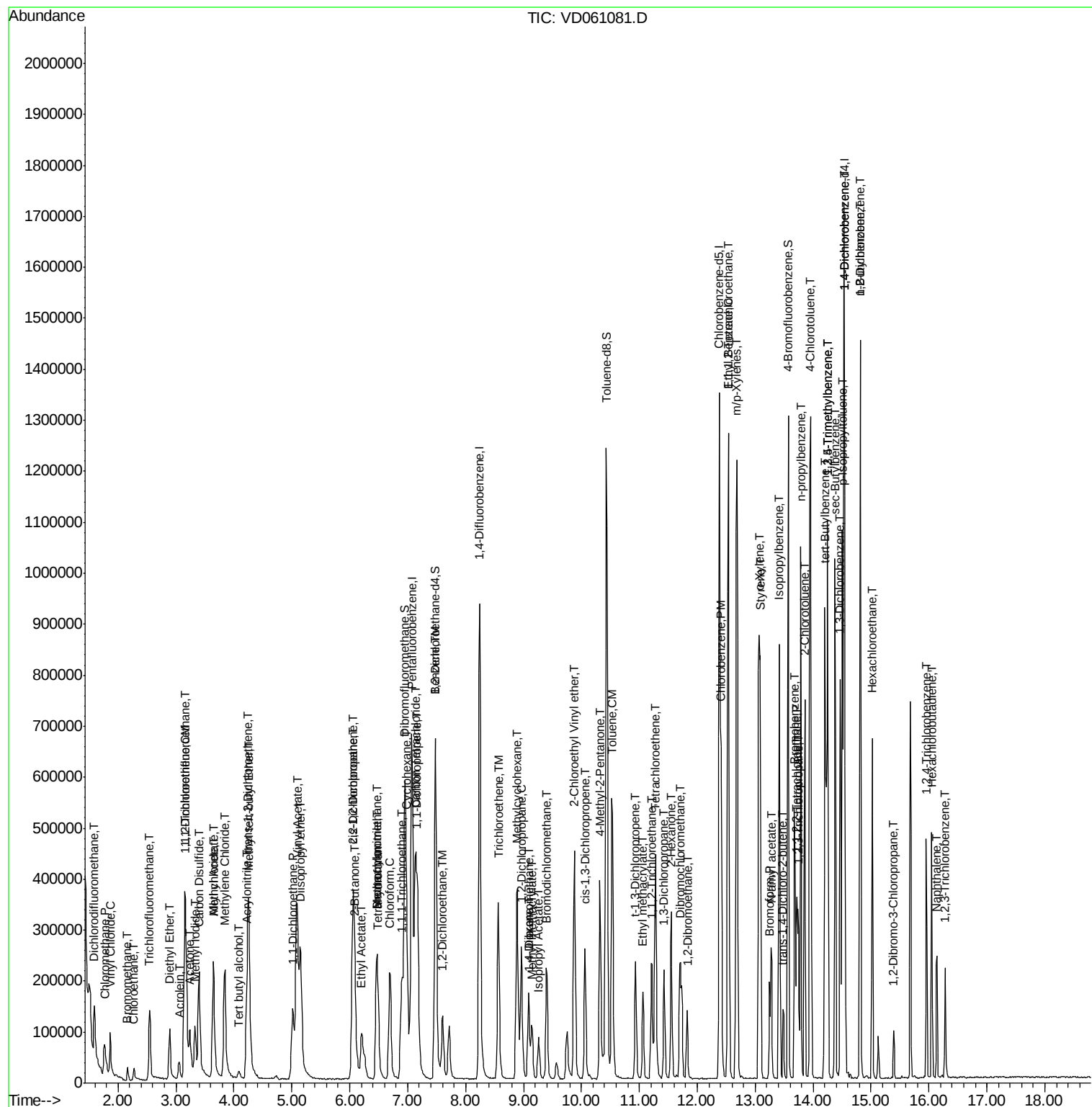
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 117688   | 22.169 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 16.05 | 225  | 80406    | 20.025 | ug/l  | 94       |
| 95) Naphthalene            | 16.14 | 128  | 172573   | 21.392 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.29 | 180  | 60460    | 23.059 | ug/l  | 99       |

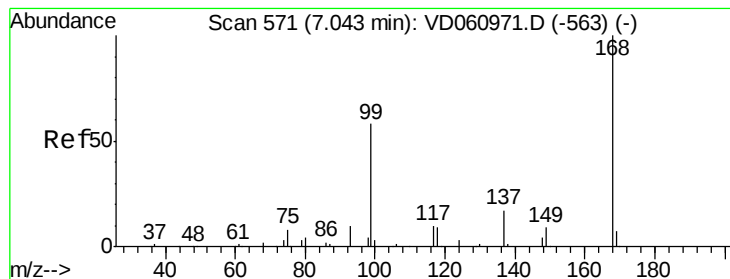
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031519\  
Data File : VD061081.D  
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Sample : VD0315SBS01  
Misc : 5.00µl/5ml/MSVOA D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
VD0315SBS01

Quant Time: Mar 16 05:40:50 2019  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 08 02:35:39 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

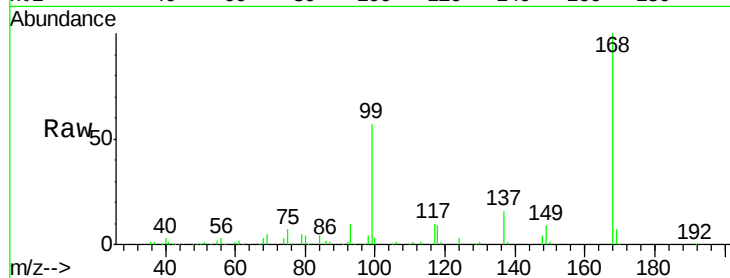
VD0315SBS01

Tot Ion:168 Resp: 702010

Ion Ratio Lower Upper

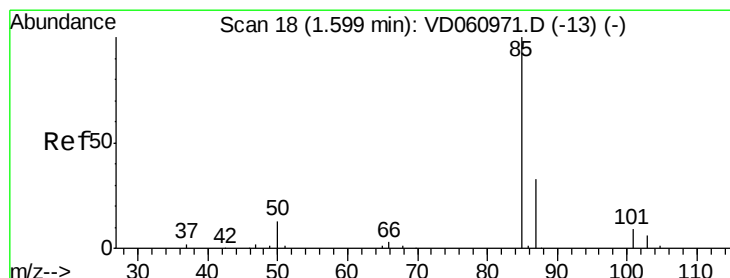
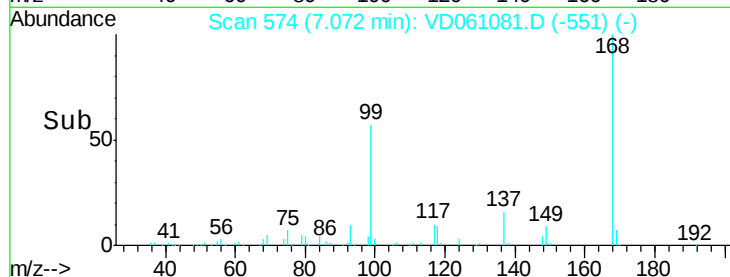
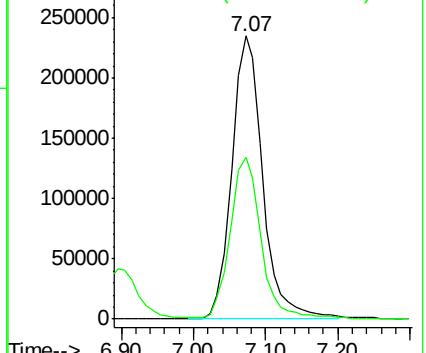
168 100

99 57.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 19.369 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061081.D

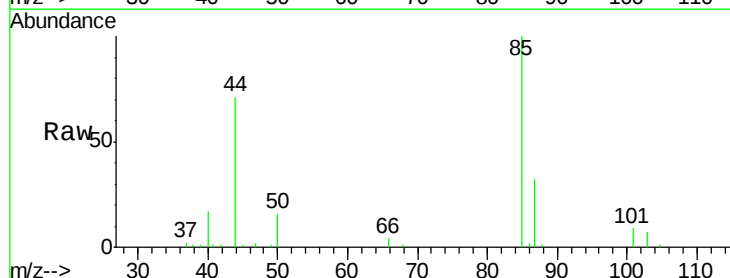
Acq: 15 Mar 2019 12:30

Tgt Ion: 85 Resp: 134689

Ion Ratio Lower Upper

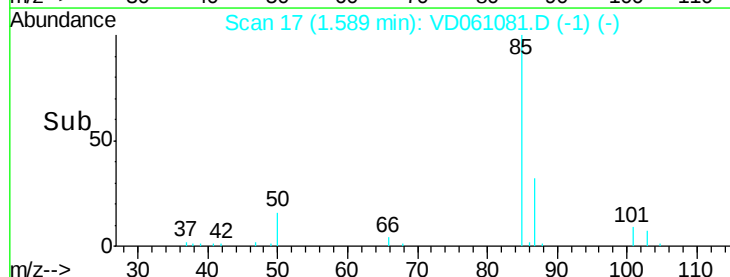
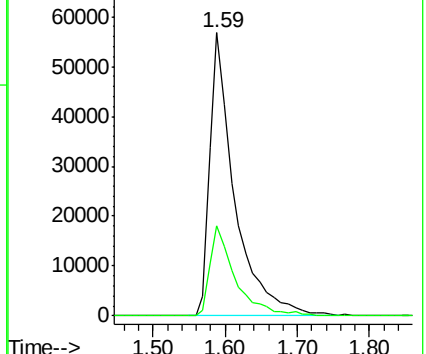
85 100

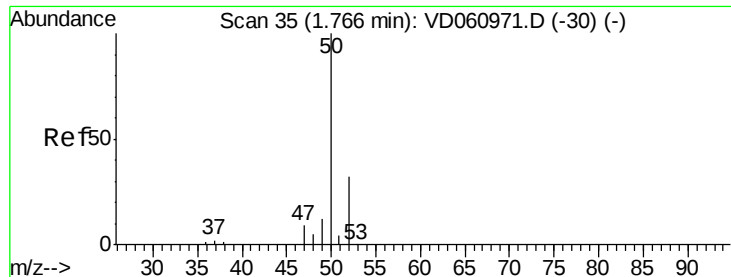
87 32.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.509 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

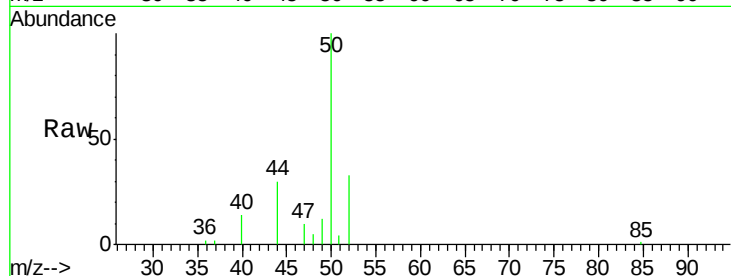
VD0315SBS01

Tot Ion: 50 Resp: 107216

Ion Ratio Lower Upper

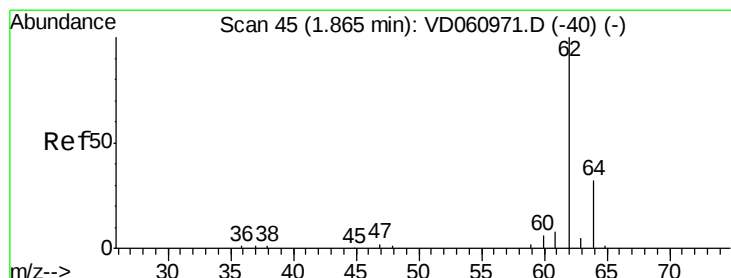
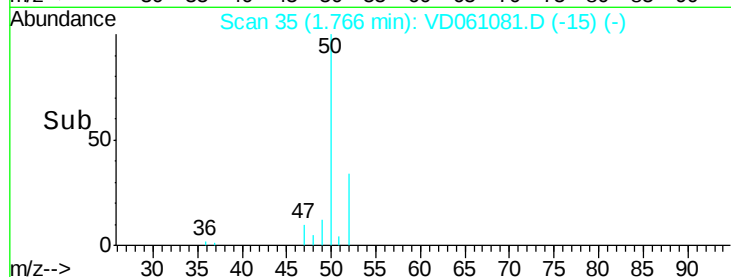
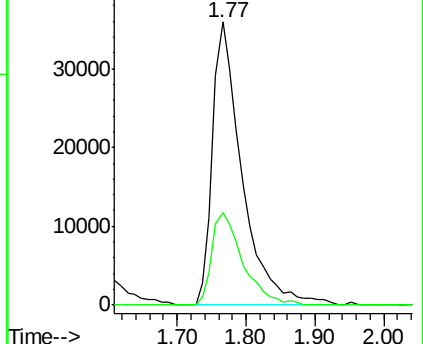
50 100

52 32.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.910 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061081.D

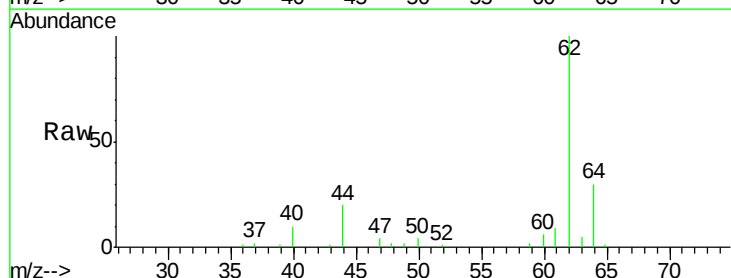
Acq: 15 Mar 2019 12:30

Tgt Ion: 62 Resp: 101220

Ion Ratio Lower Upper

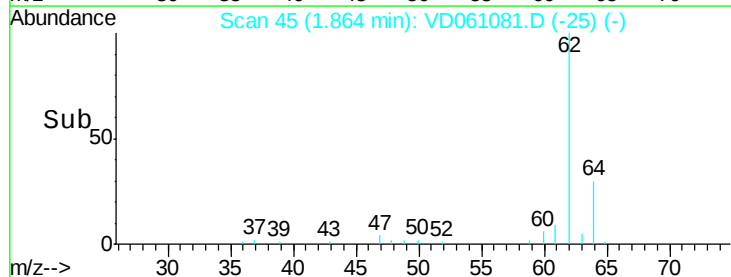
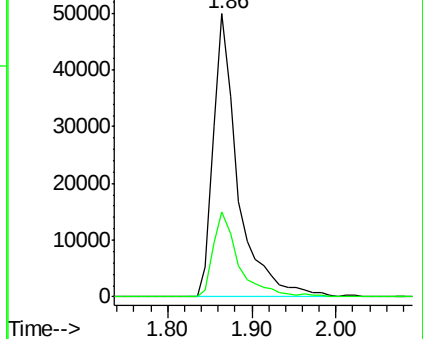
62 100

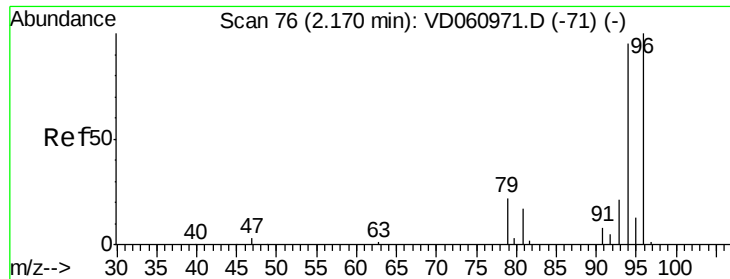
64 29.8 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.159 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

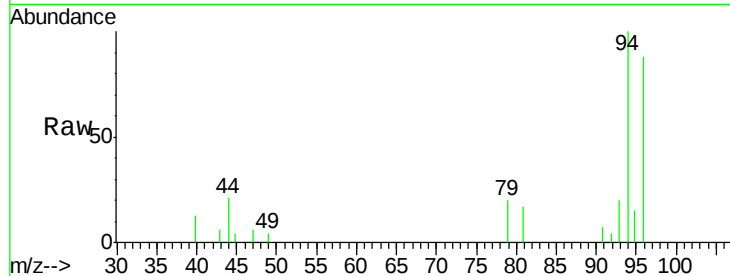
Tot Ion: 94 Resp: 16832

Ion Ratio Lower Upper

94 100

96 88.4 84.0 126.0

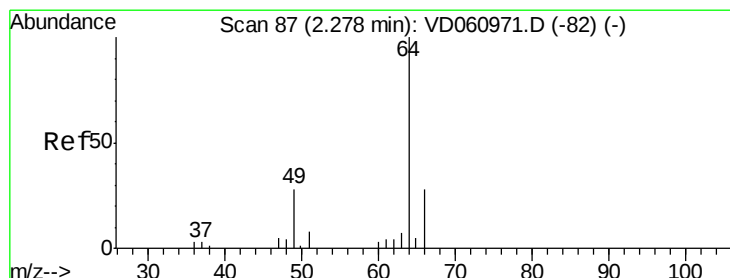
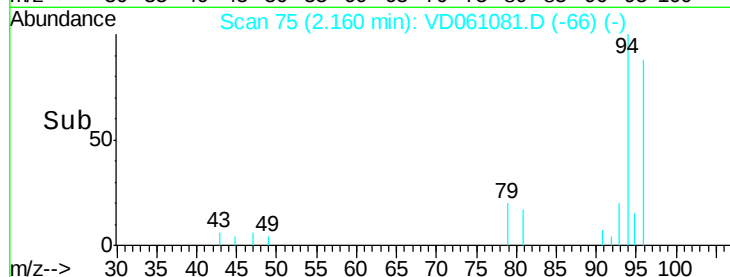
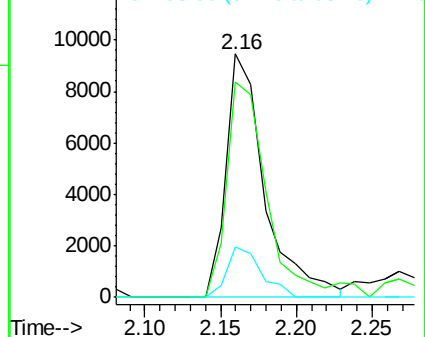
93 20.4 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.534 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061081.D

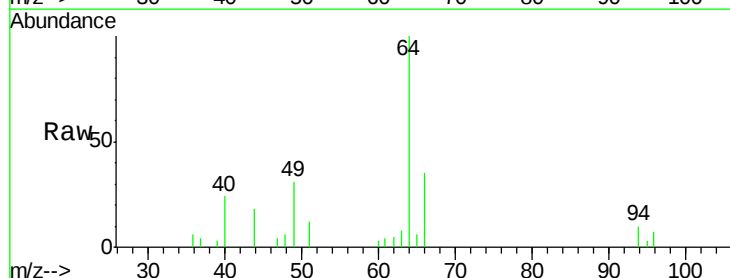
Acq: 15 Mar 2019 12:30

Tgt Ion: 64 Resp: 29694

Ion Ratio Lower Upper

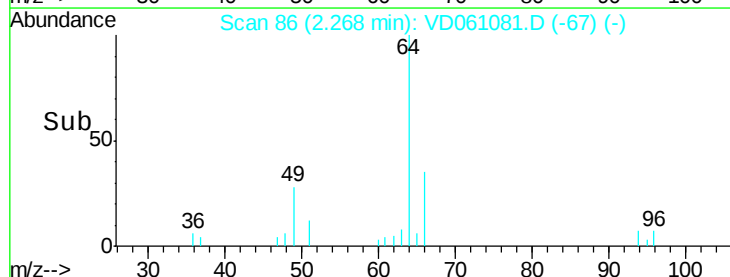
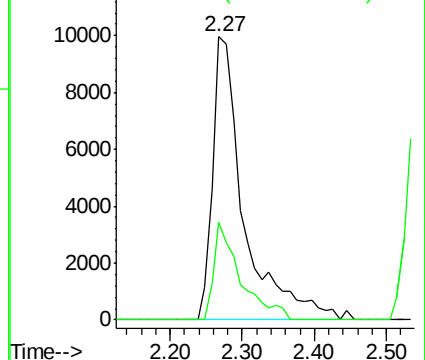
64 100

66 34.6 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



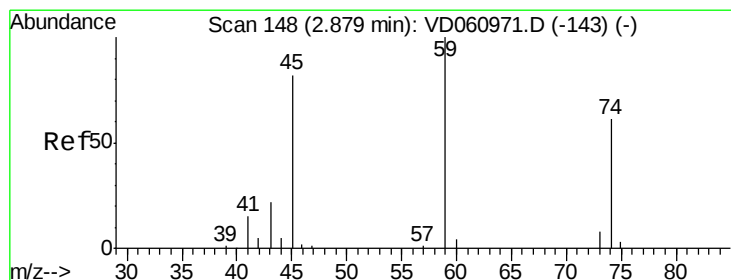
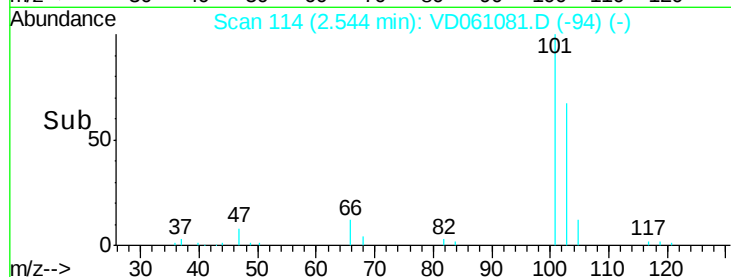
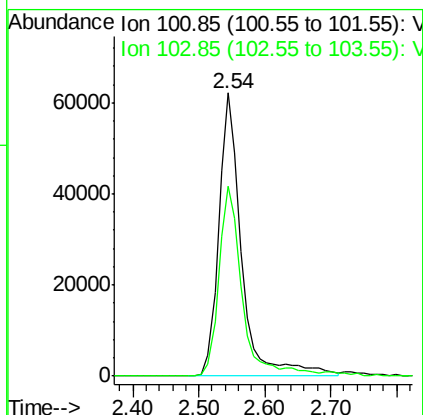
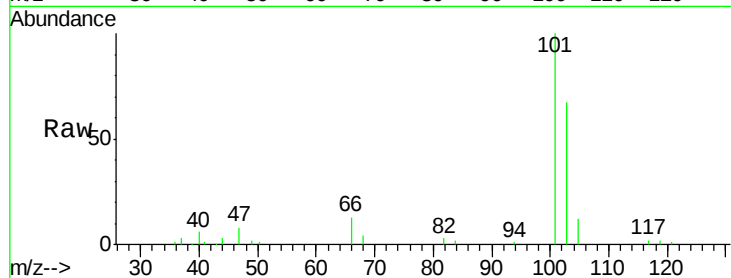


#7

Trichlorofluoromethane  
 Concen: 19.418 ug/l  
 RT: 2.54 min Scan# 114  
 Delta R.T. -0.00 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

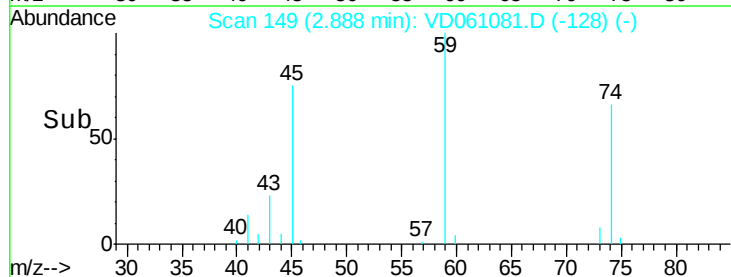
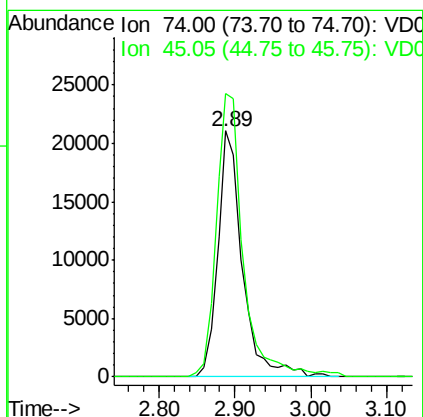
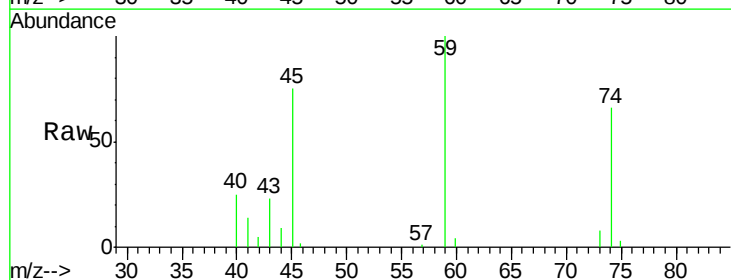
Tot Ion:101 Resp: 149313  
 Ion Ratio Lower Upper  
 101 100  
 103 67.1 51.2 76.8

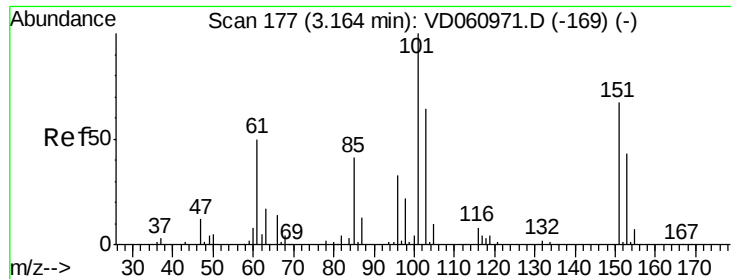


#8

Diethyl Ether  
 Concen: 18.806 ug/l  
 RT: 2.89 min Scan# 149  
 Delta R.T. 0.01 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 74 Resp: 47704  
 Ion Ratio Lower Upper  
 74 100  
 45 115.0 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.316 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

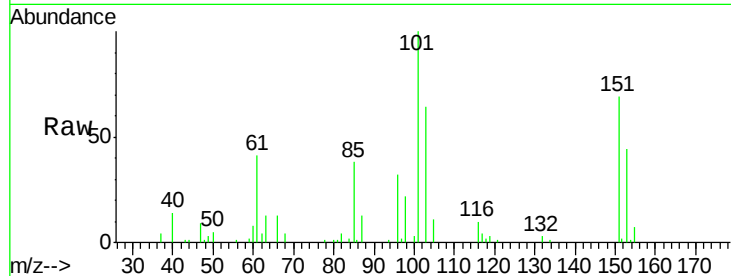
Tot Ion:101 Resp: 166060

Ion Ratio Lower Upper

101 100

85 38.4 32.5 48.7

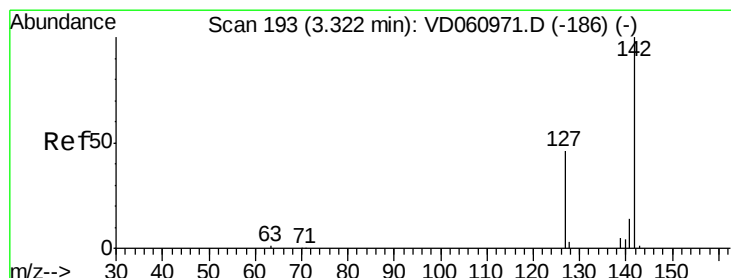
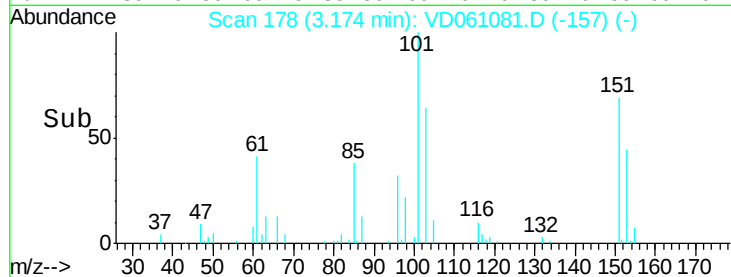
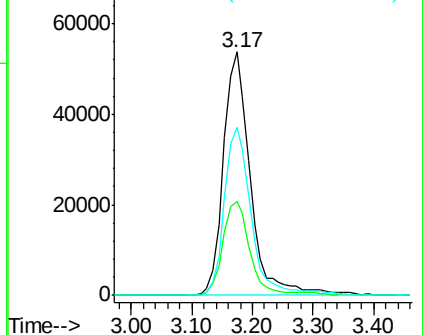
151 69.0 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.526 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

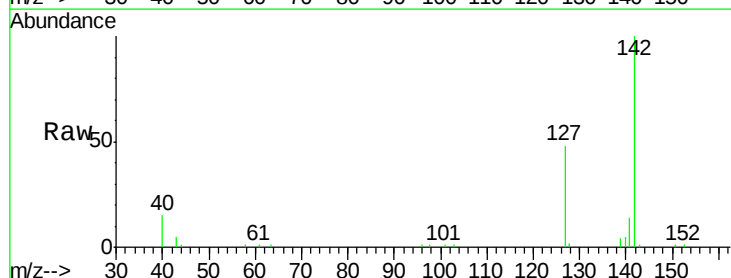
Tgt Ion:142 Resp: 183526

Ion Ratio Lower Upper

142 100

127 47.8 36.8 55.2

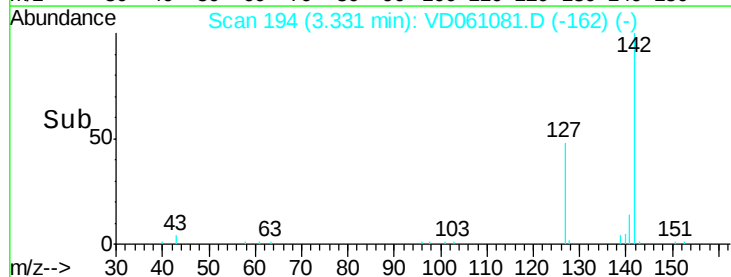
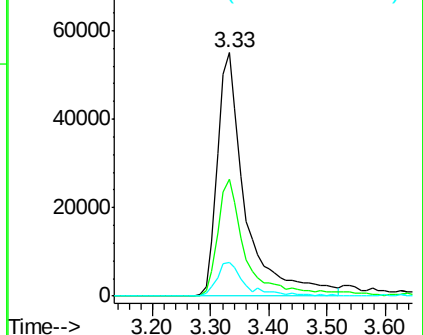
141 14.0 11.2 16.8

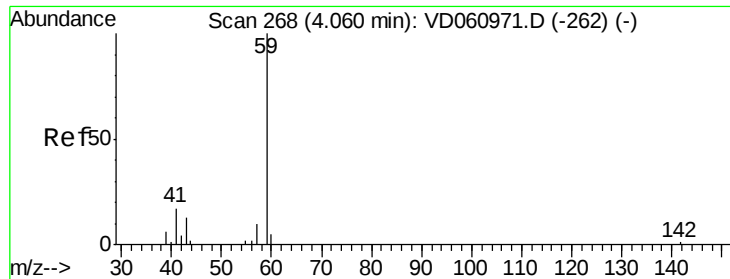


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

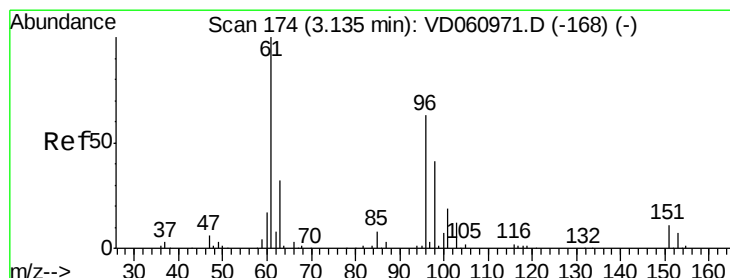
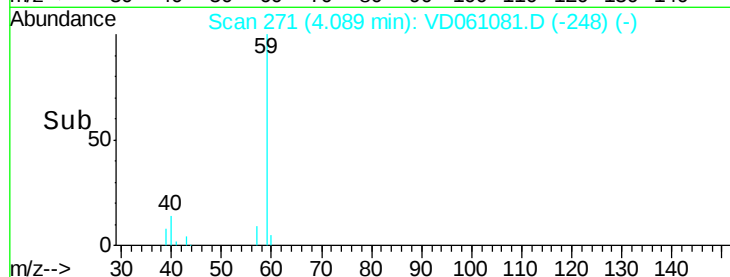
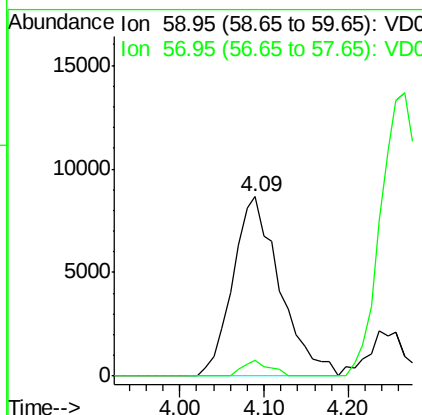
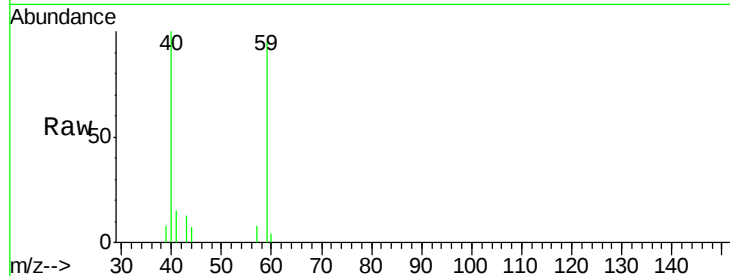




#11  
Tert butyl alcohol  
Concen: 90.741 ug/l  
RT: 4.09 min Scan# 271  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

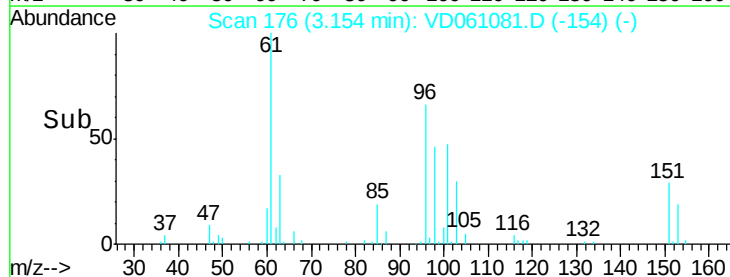
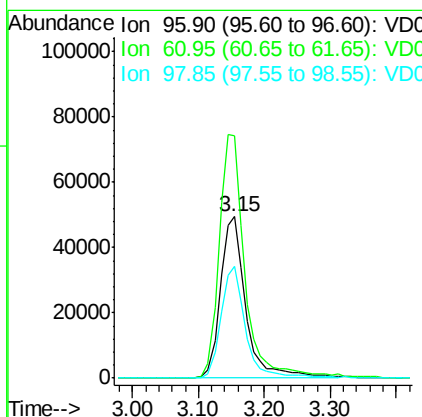
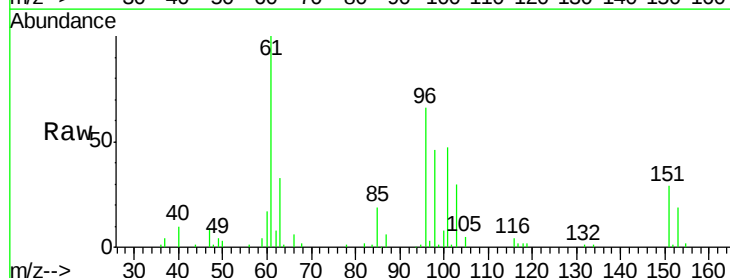
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

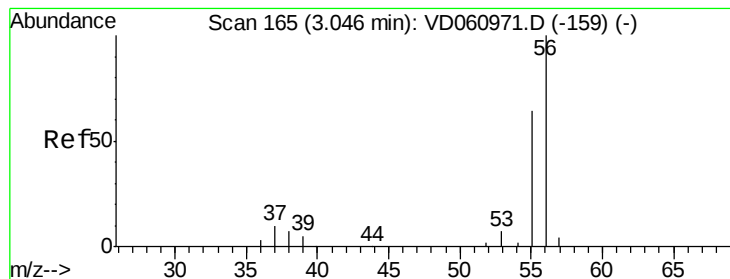
Tot Ion: 59 Resp: 33756  
Ion Ratio Lower Upper  
59 100  
57 8.6 7.1 10.7



#12  
1,1-Dichloroethene  
Concen: 18.905 ug/l  
RT: 3.15 min Scan# 176  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion: 96 Resp: 133222  
Ion Ratio Lower Upper  
96 100  
61 150.6 127.1 190.7  
98 69.0 51.5 77.3





#13

Acrolein

Concen: 73.657 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

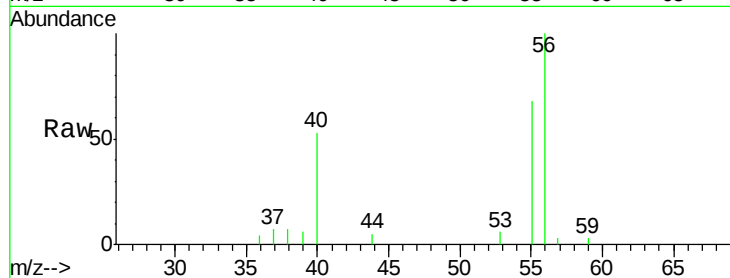
VD0315SBS01

Tot Ion: 56 Resp: 39646

Ion Ratio Lower Upper

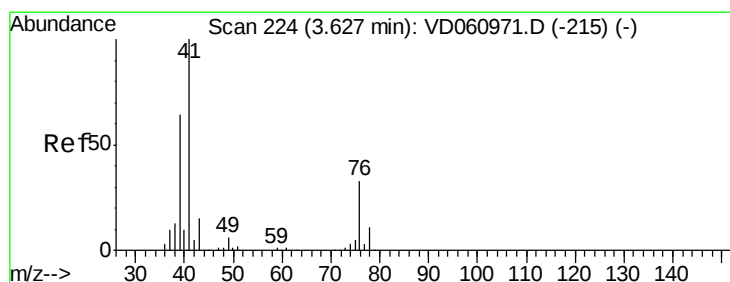
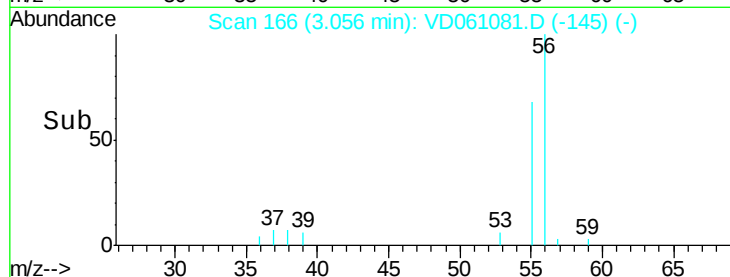
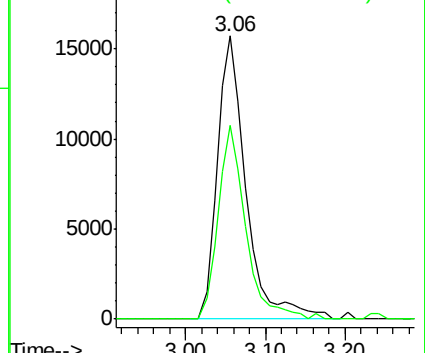
56 100

55 68.4 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.977 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

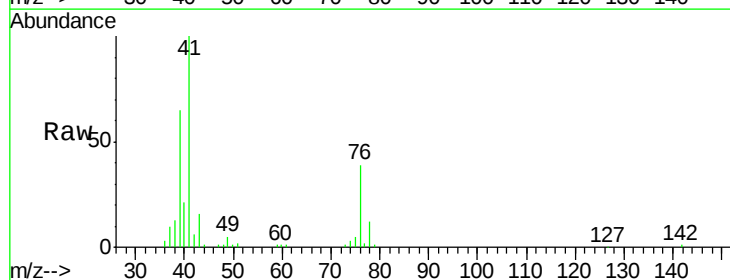
Tgt Ion: 41 Resp: 213960

Ion Ratio Lower Upper

41 100

39 65.1 51.1 76.7

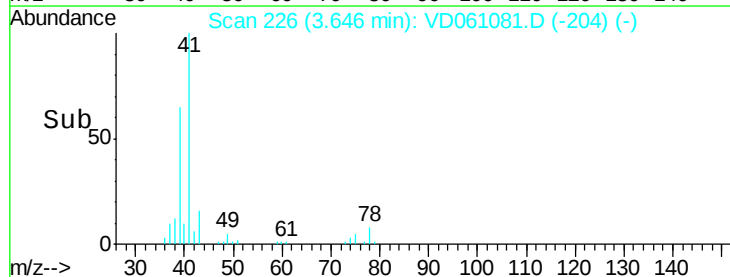
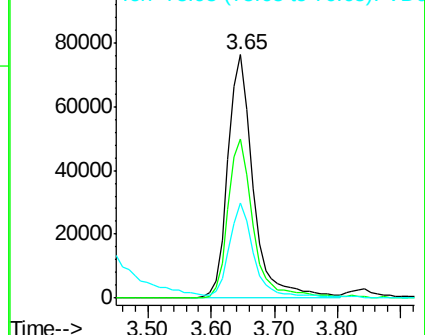
76 39.0 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 86.753 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

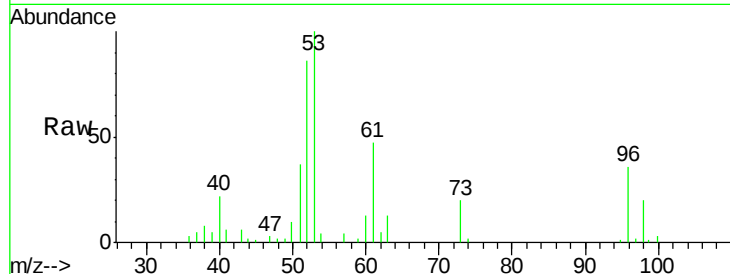
Tot Ion: 53 Resp: 114061

Ion Ratio Lower Upper

53 100

52 85.9 70.2 105.4

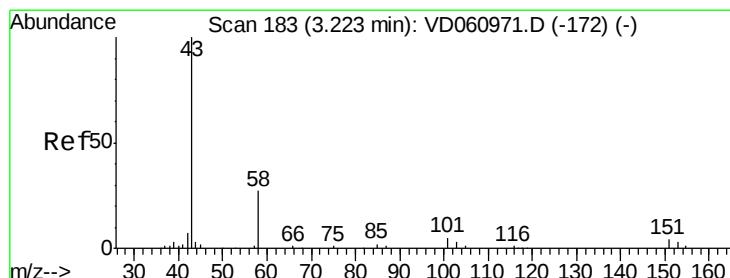
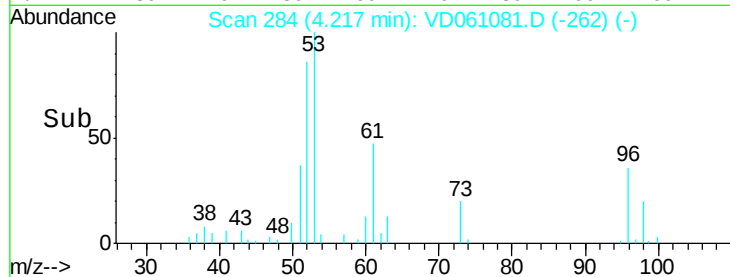
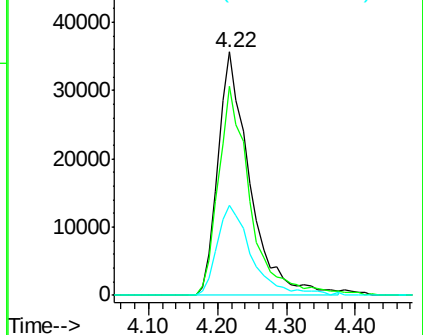
51 36.9 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.498 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061081.D

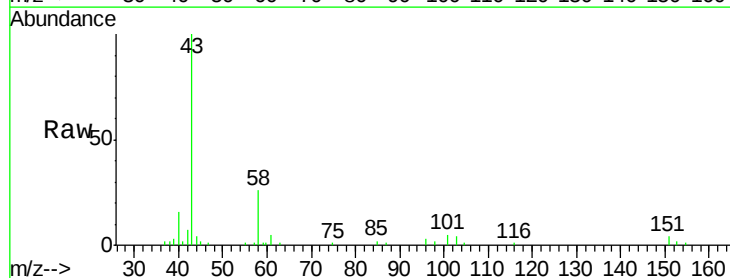
Acq: 15 Mar 2019 12:30

Tgt Ion: 43 Resp: 157905

Ion Ratio Lower Upper

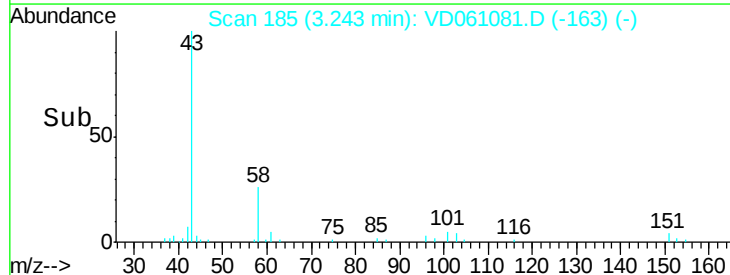
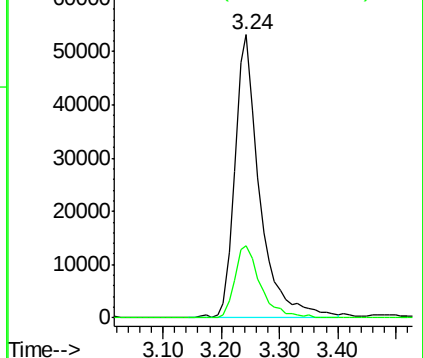
43 100

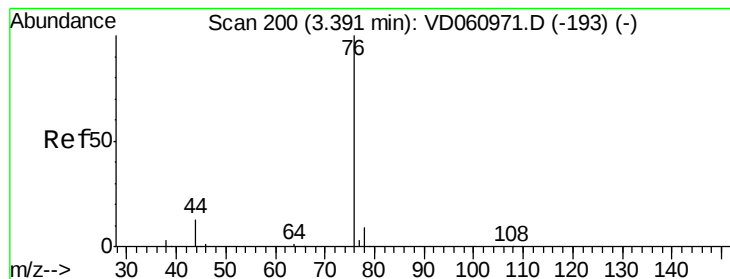
58 25.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 16.833 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

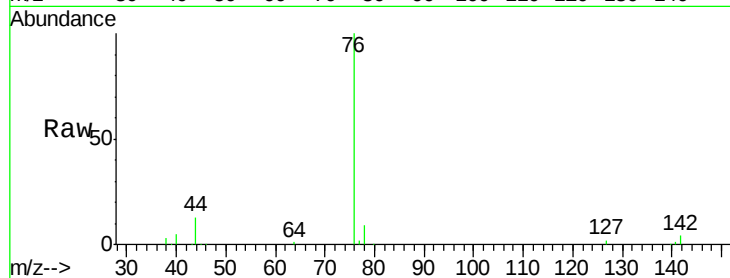
VD0315SBS01

Tot Ion: 76 Resp: 400124

Ion Ratio Lower Upper

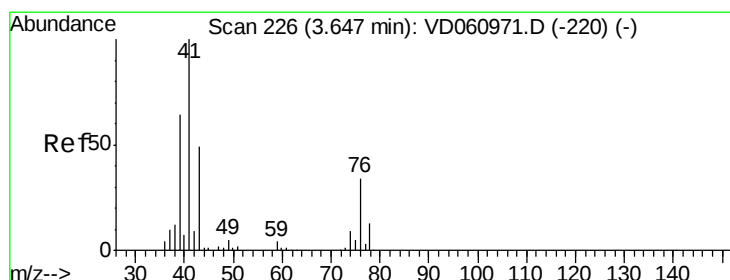
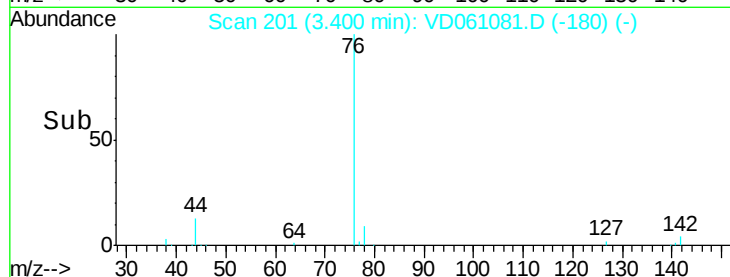
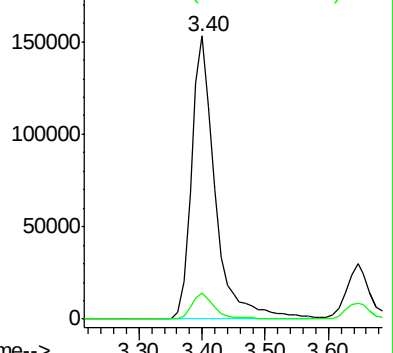
76 100

78 9.0 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: 17.046 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061081.D

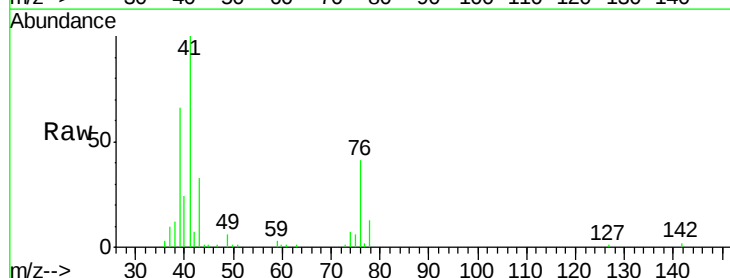
Acq: 15 Mar 2019 12:30

Tgt Ion: 43 Resp: 56054

Ion Ratio Lower Upper

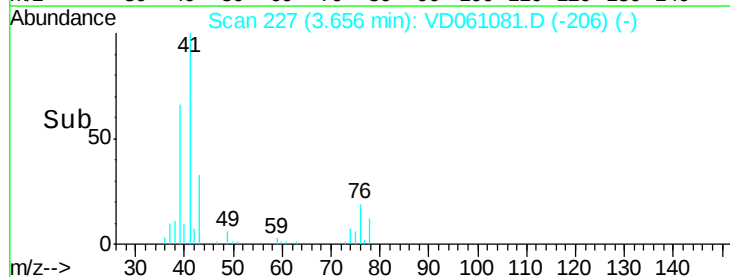
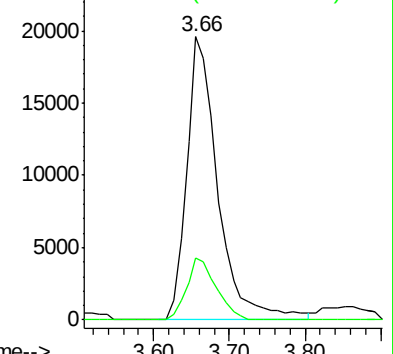
43 100

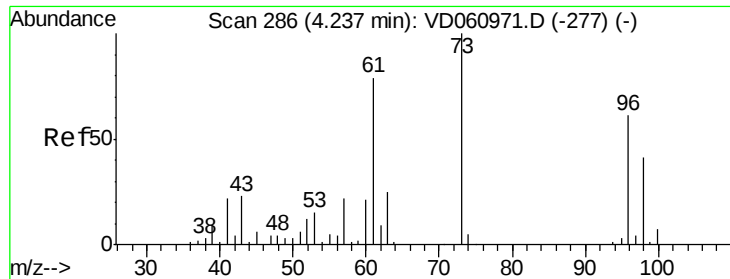
74 22.1 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

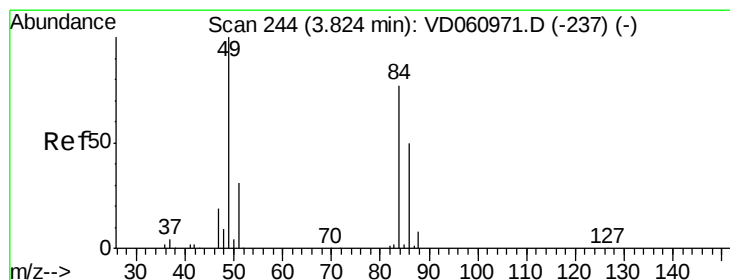
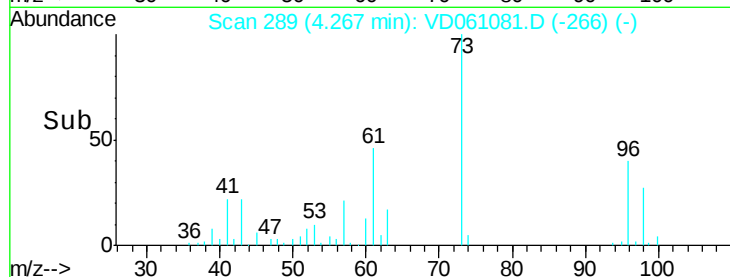
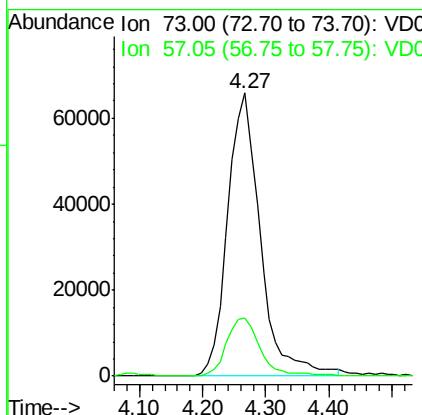
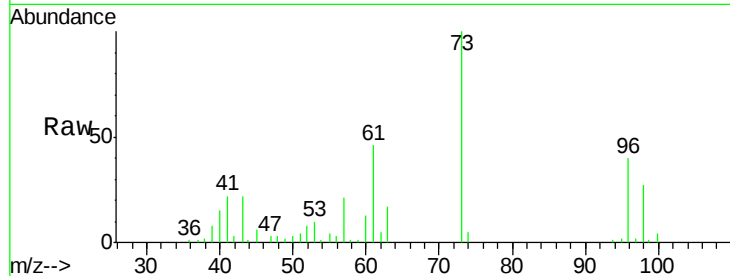




#19  
Methyl tert-butyl Ether  
Concen: 19.191 ug/l  
RT: 4.27 min Scan# 289  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

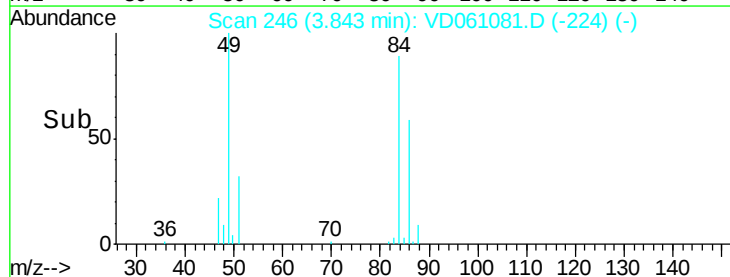
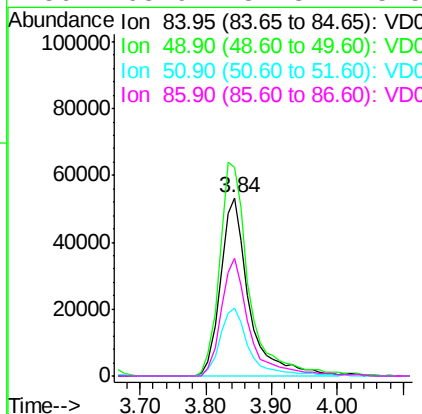
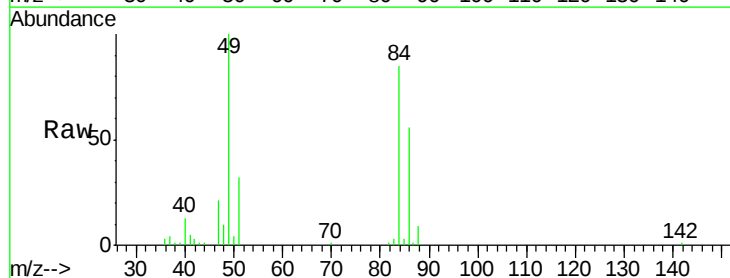
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

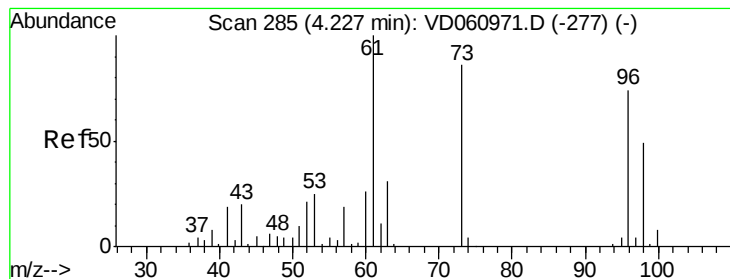
Tot Ion: 73 Resp: 237005  
Ion Ratio Lower Upper  
73 100  
57 20.7 17.7 26.5



#20  
Methylene Chloride  
Concen: 18.179 ug/l  
RT: 3.84 min Scan# 246  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion: 84 Resp: 161120  
Ion Ratio Lower Upper  
84 100  
49 117.2 104.2 156.2  
51 38.1 32.3 48.5  
86 65.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.765 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

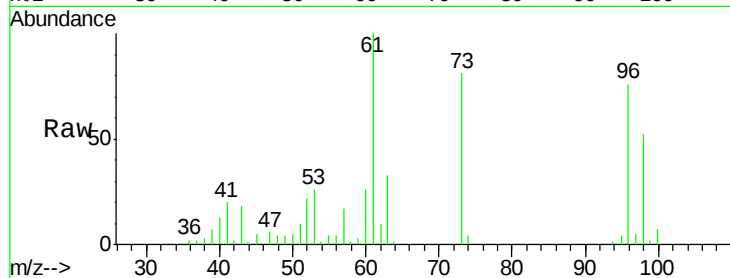
Tot Ion: 96 Resp: 143120

Ion Ratio Lower Upper

96 100

61 131.7 108.4 162.6

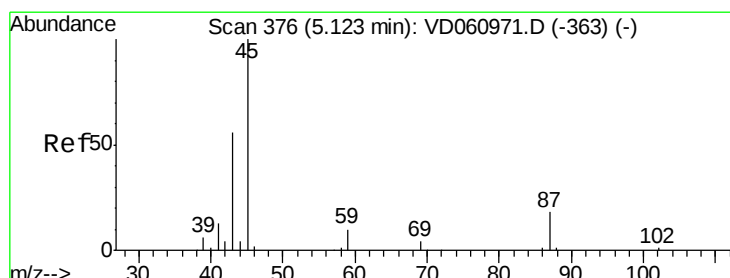
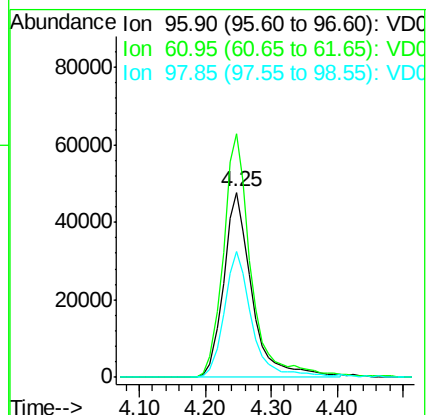
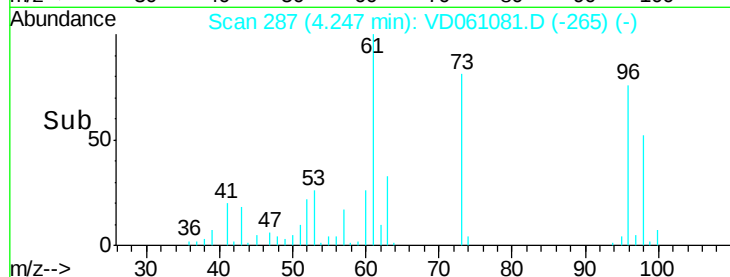
98 68.0 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.679 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Tgt Ion: 45 Resp: 437178

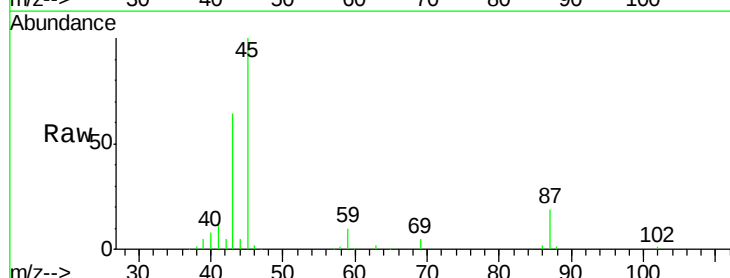
Ion Ratio Lower Upper

45 100

43 64.3 45.8 68.8

87 19.3 14.9 22.3

59 9.5 8.0 12.0

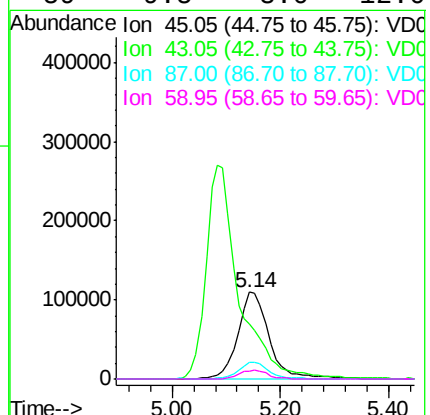
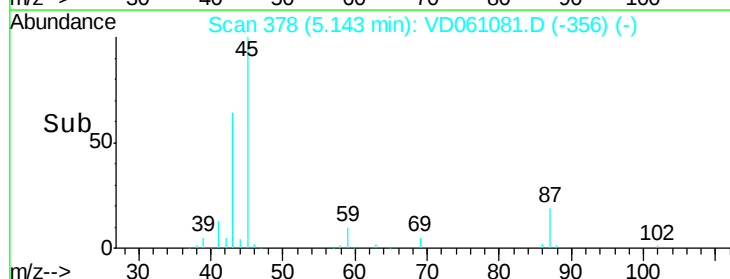


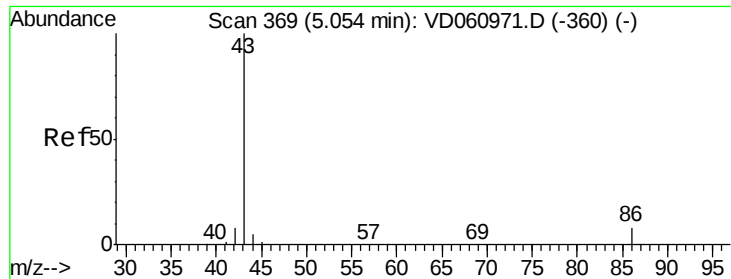
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 93.061 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

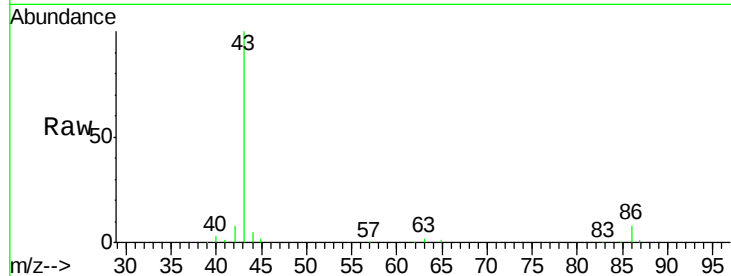
VD0315SBS01

Tot Ion: 43 Resp: 1118129

Ion Ratio Lower Upper

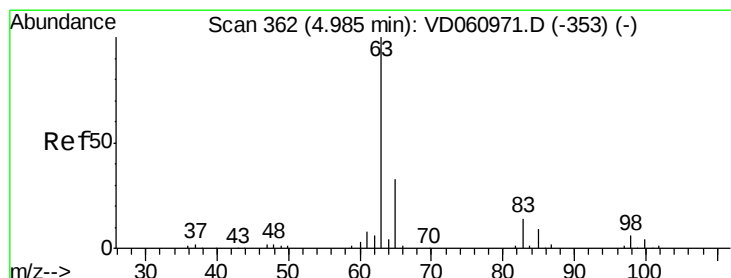
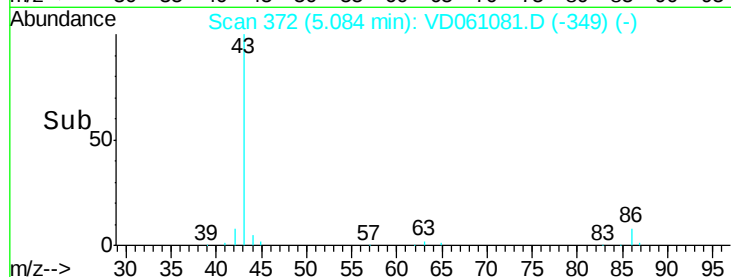
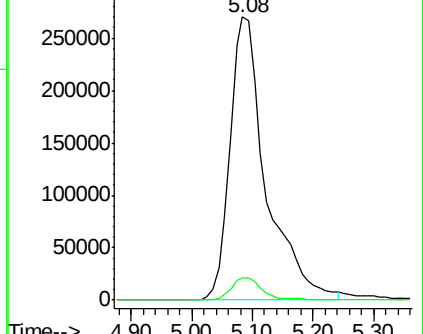
43 100

86 7.7 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.252 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

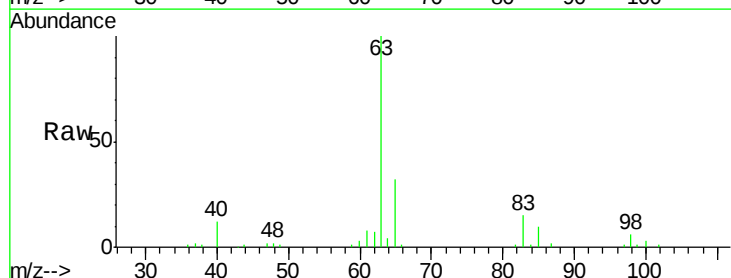
Tgt Ion: 63 Resp: 246882

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

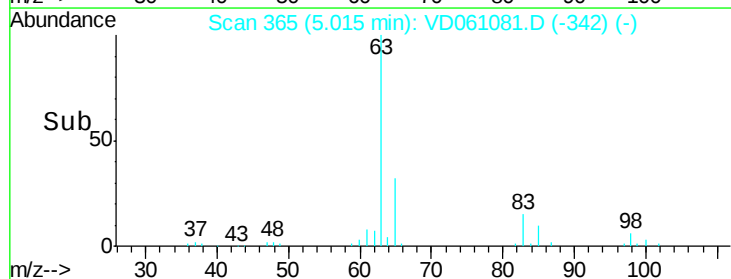
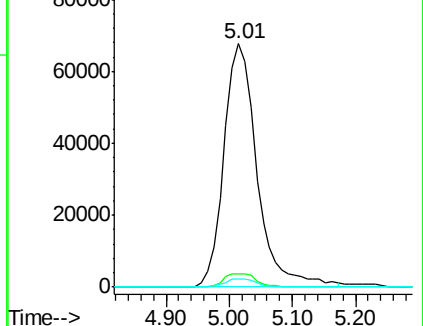
100 3.2 2.0 5.8

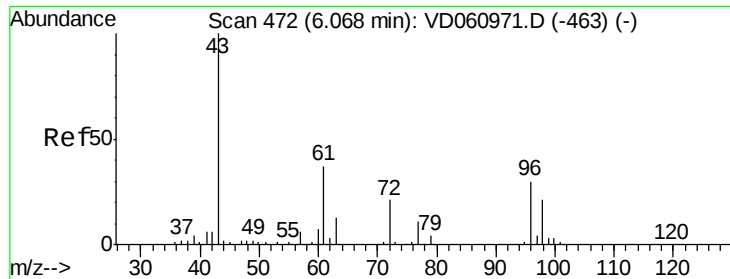


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 91.184 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

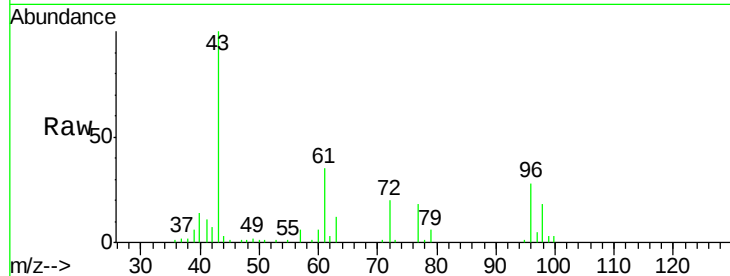
VD0315SBS01

Tot Ion: 43 Resp: 172894

Ion Ratio Lower Upper

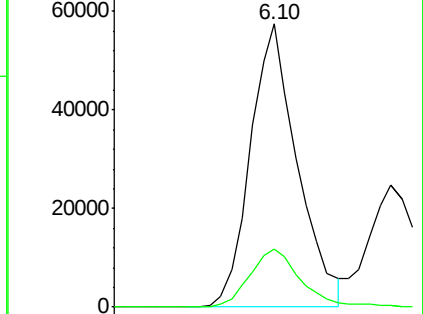
43 100

72 20.4 16.7 25.1

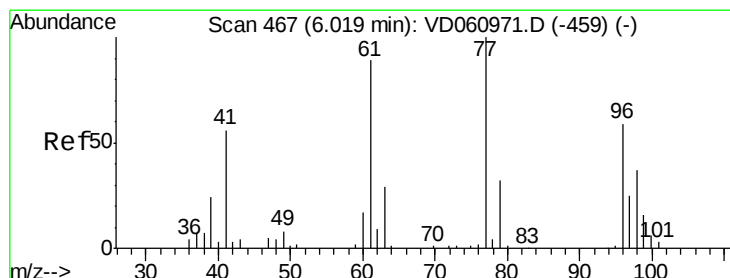
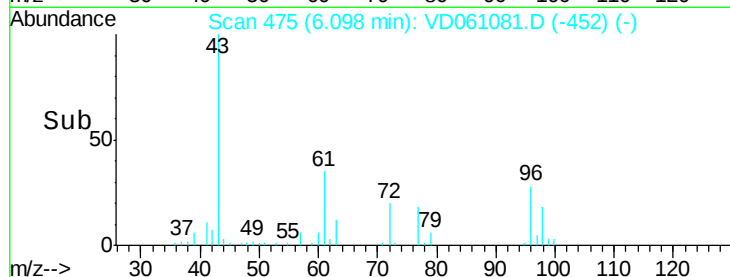


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 19.489 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.04 min

Lab File: VD061081.D

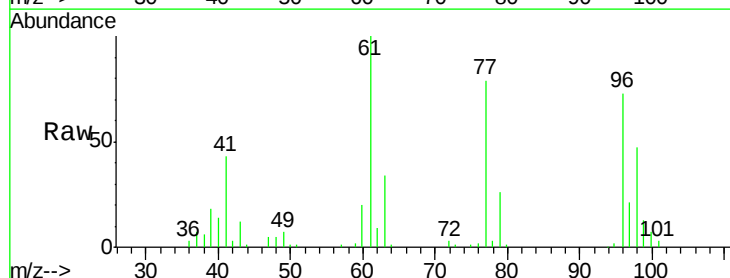
Acq: 15 Mar 2019 12:30

Tgt Ion: 77 Resp: 195108

Ion Ratio Lower Upper

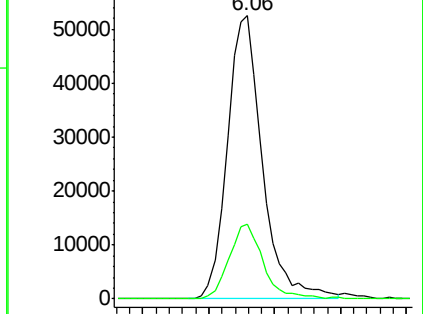
77 100

97 26.5 12.6 37.6

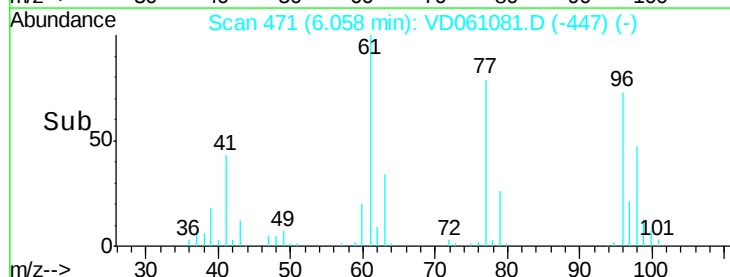


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.831 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

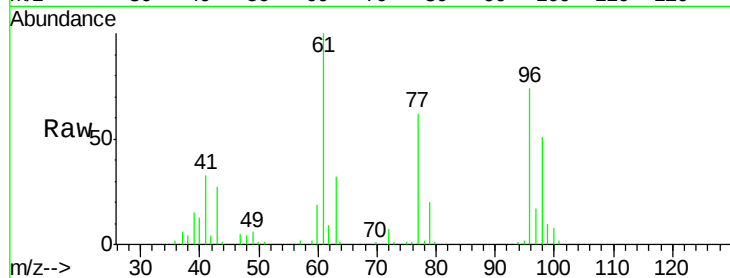
Tot Ion: 96 Resp: 160478

Ion Ratio Lower Upper

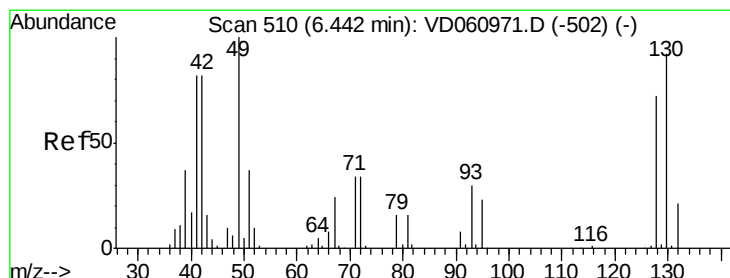
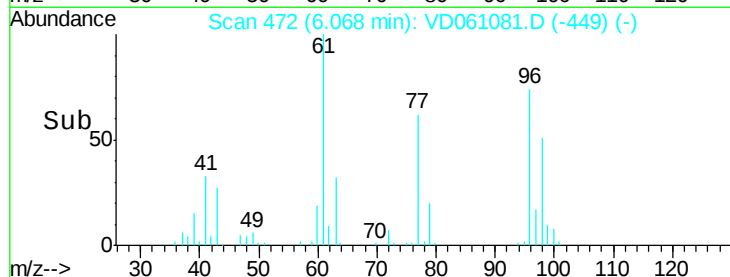
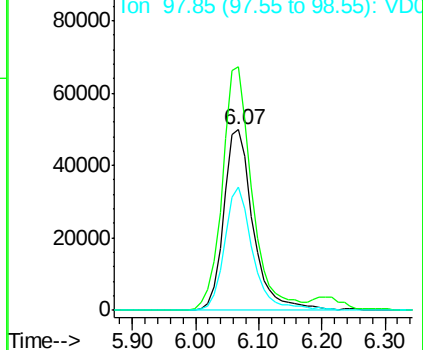
96 100

61 134.8 0.0 273.6

98 68.4 0.0 132.6



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



#28

Bromochloromethane

Concen: 17.225 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

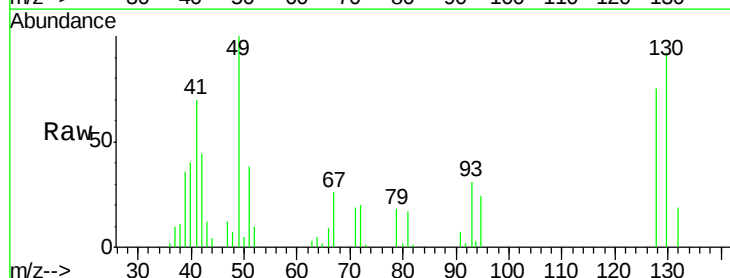
Tgt Ion: 49 Resp: 93512

Ion Ratio Lower Upper

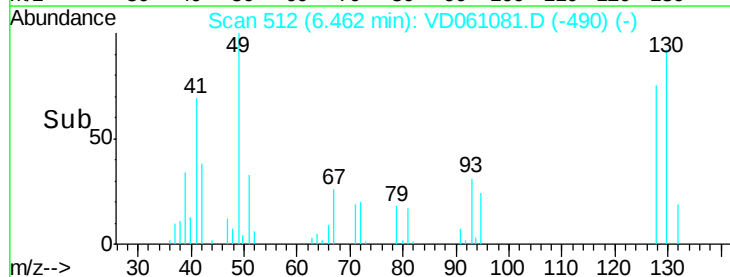
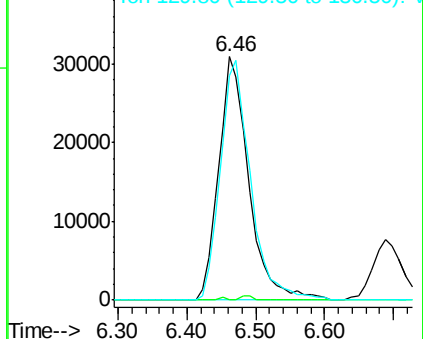
49 100

129 0.0 0.0 4.0

130 92.1 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 83.653 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.04 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

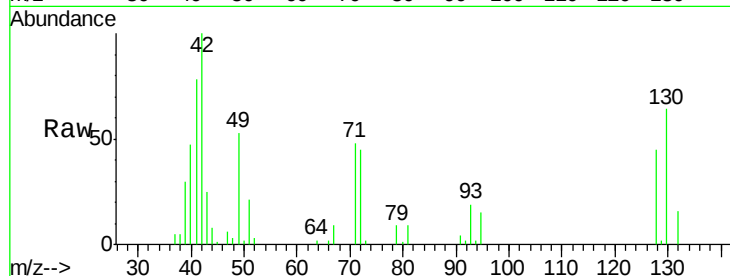
Tot Ion: 42 Resp: 86128

Ion Ratio Lower Upper

42 100

72 45.9 34.5 51.7

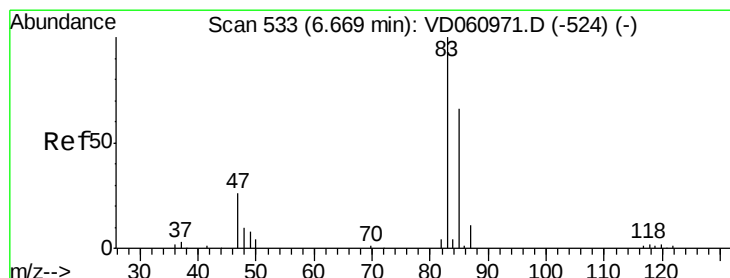
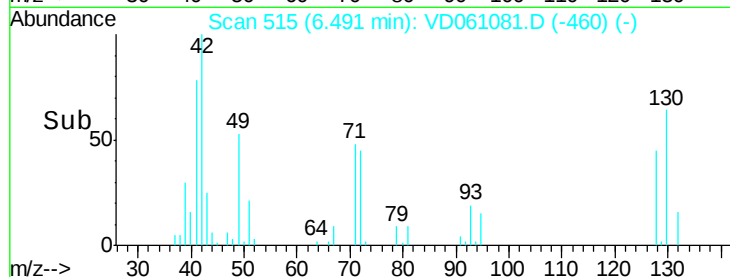
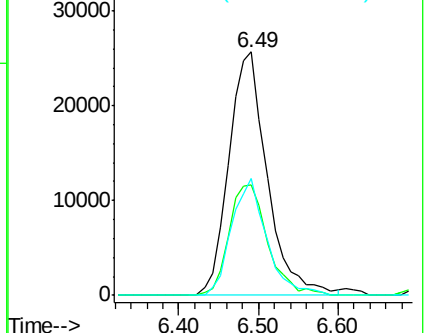
71 43.8 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.202 ug/l

RT: 6.70 min Scan# 536

Delta R.T. 0.03 min

Lab File: VD061081.D

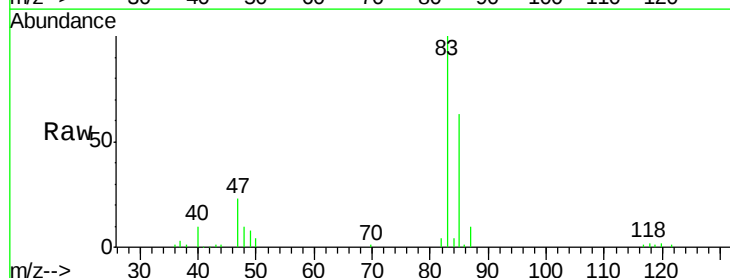
Acq: 15 Mar 2019 12:30

Tgt Ion: 83 Resp: 255213

Ion Ratio Lower Upper

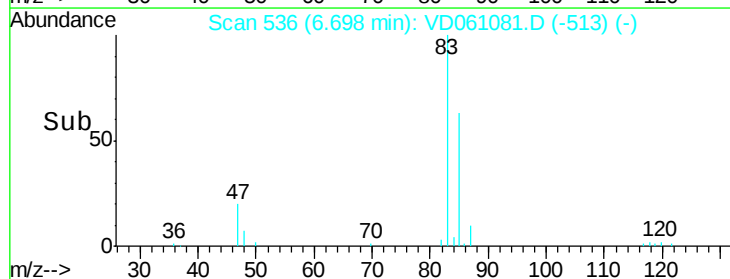
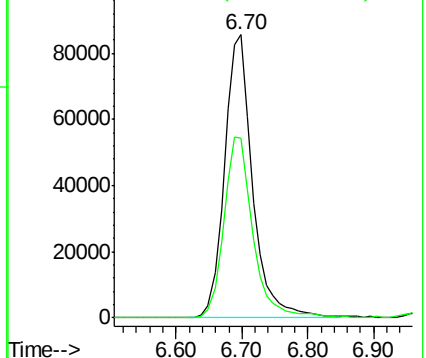
83 100

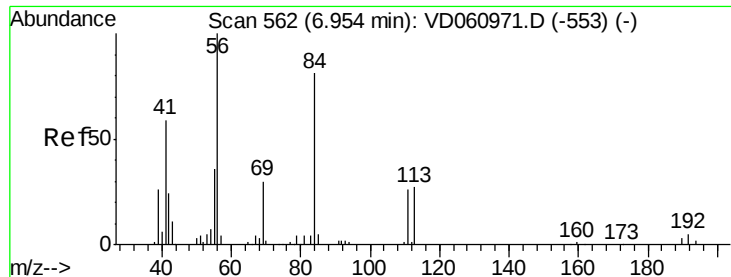
85 63.4 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

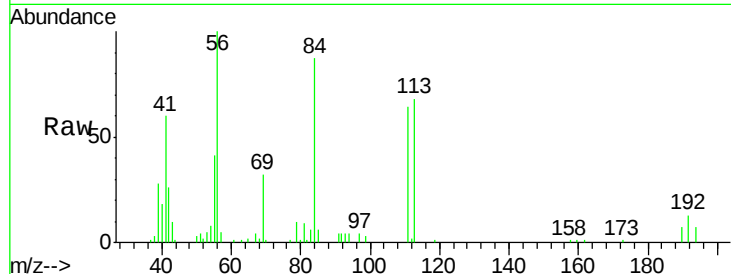




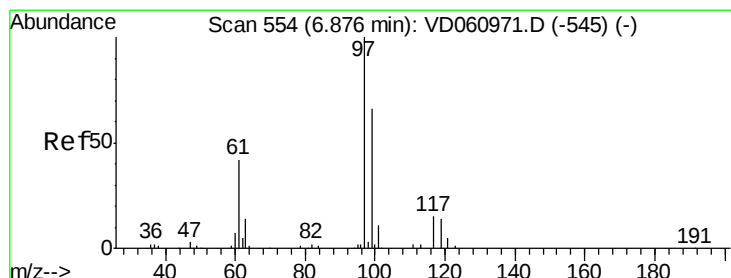
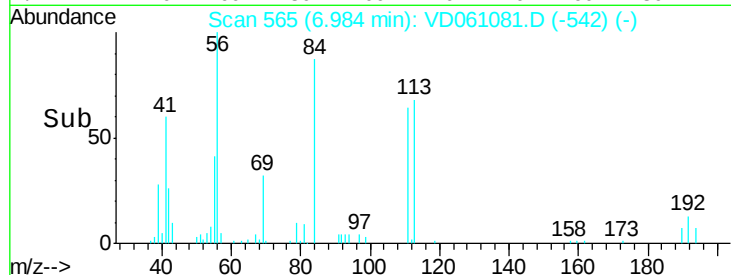
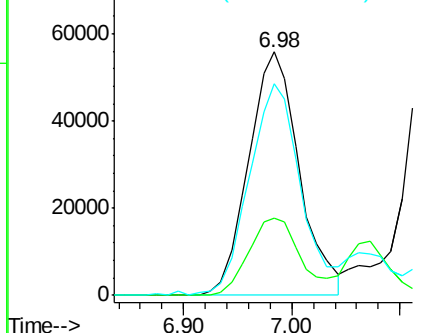
#31  
Cyclohexane  
Concen: 17.530 ug/l  
RT: 6.98 min Scan# 565  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

Tot Ion: 56 Resp: 181262  
Ion Ratio Lower Upper  
56 100  
69 31.8 24.0 36.0  
84 86.8 65.8 98.6

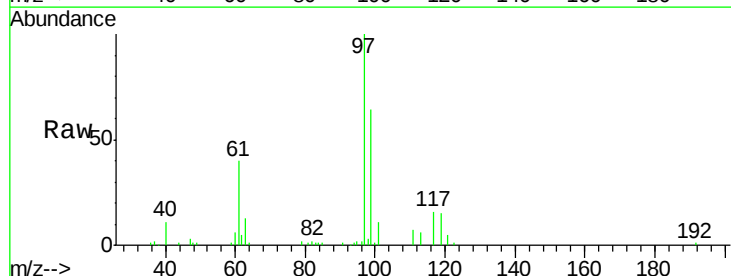


Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC

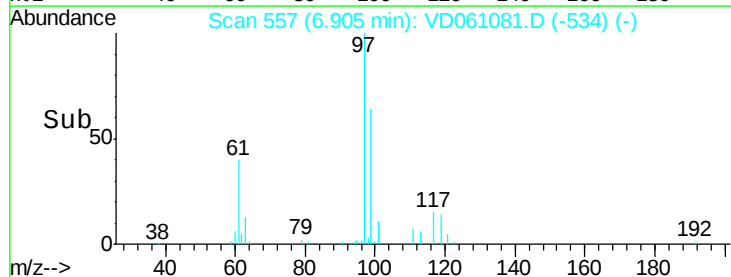
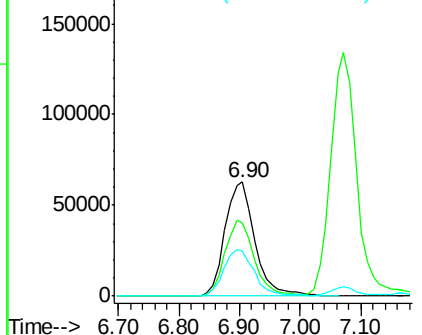


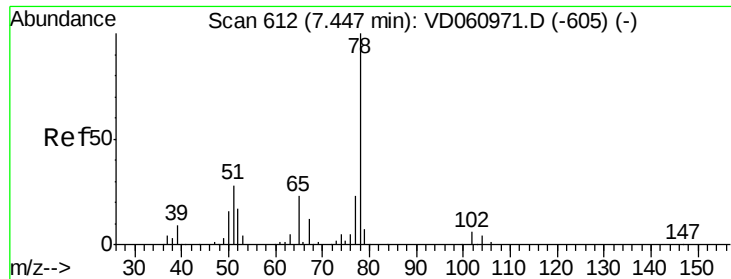
#32  
1,1,1-Trichloroethane  
Concen: 18.731 ug/l  
RT: 6.90 min Scan# 557  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion: 97 Resp: 215225  
Ion Ratio Lower Upper  
97 100  
99 64.5 53.2 79.8  
61 39.8 33.8 50.8



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

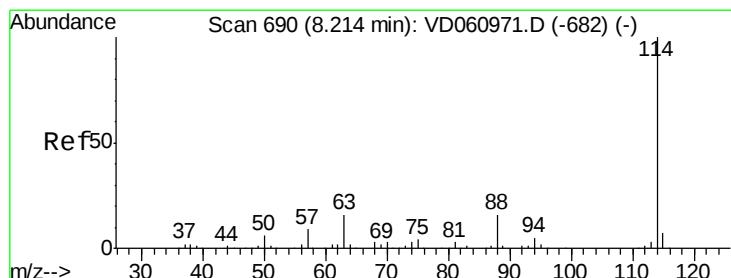
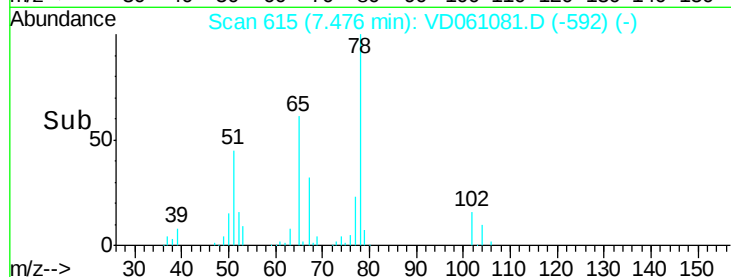
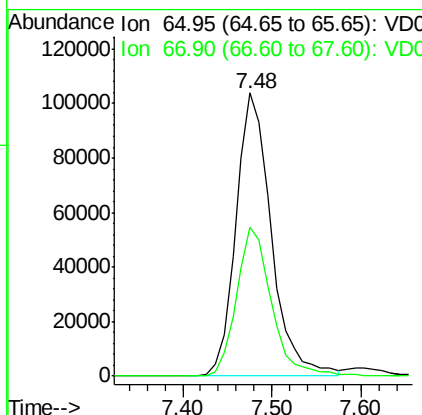
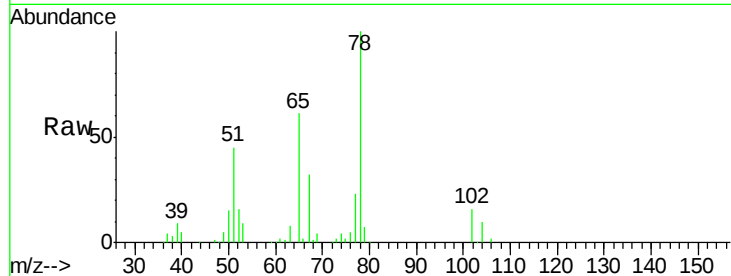




#33  
 1,2-Dichloroethane-d4  
 Concen: 18.731 ug/l  
 RT: 7.48 min Scan# 615  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

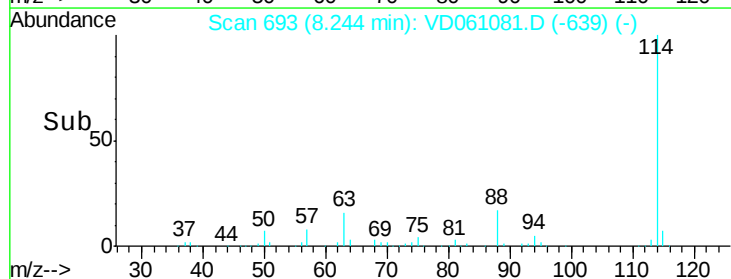
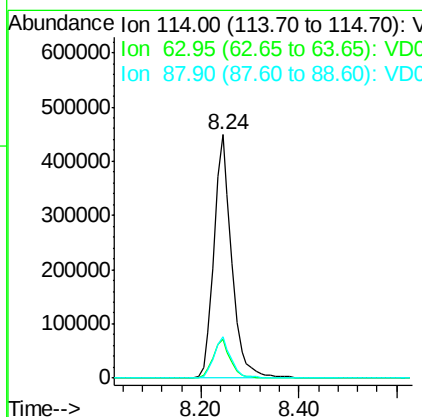
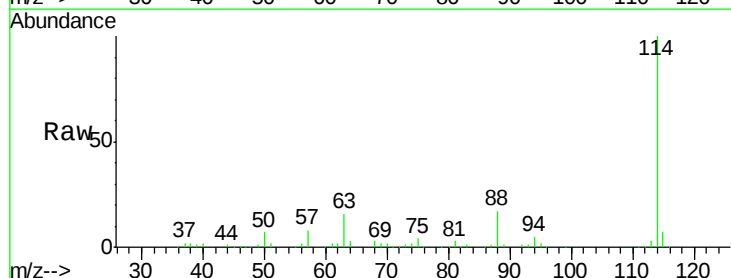
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

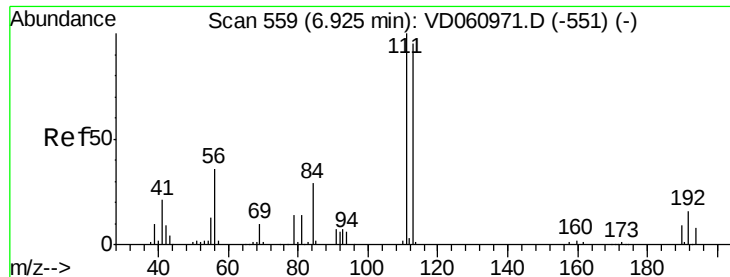
Tot Ion: 65 Resp: 286481  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.24 min Scan# 693  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 114 Resp: 1137388  
 Ion Ratio Lower Upper  
 114 100  
 63 15.8 0.0 31.4  
 88 17.1 0.0 33.0

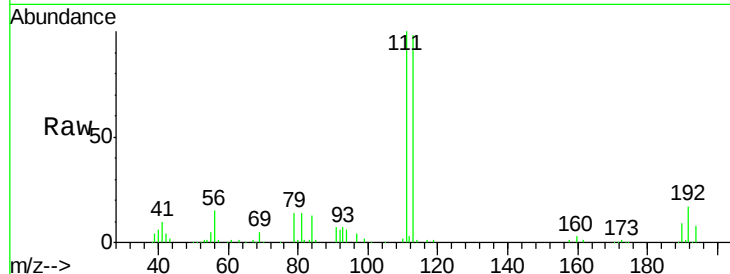




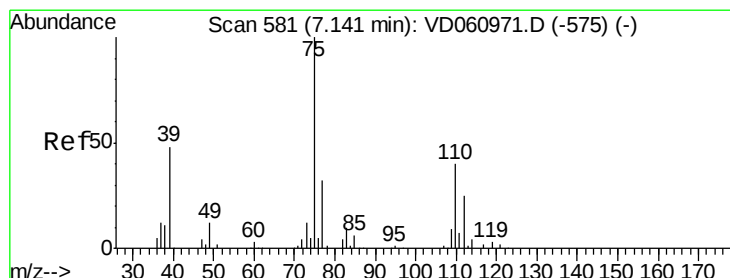
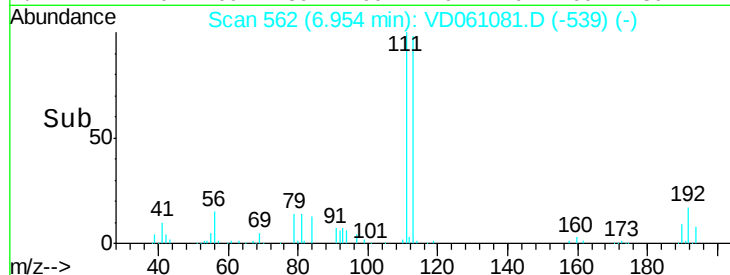
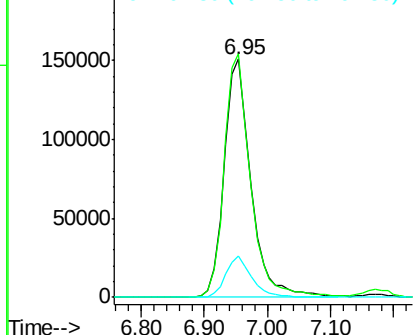
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.95 min Scan# 562  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 84.2  | 126.4 |
| 192     | 17.2  | 13.1  | 19.7  |

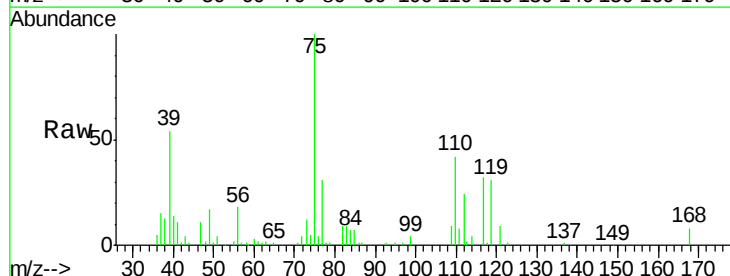


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

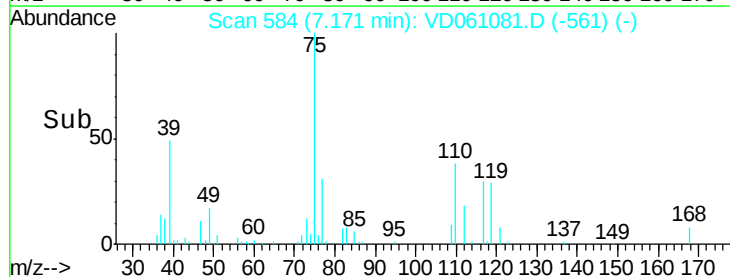
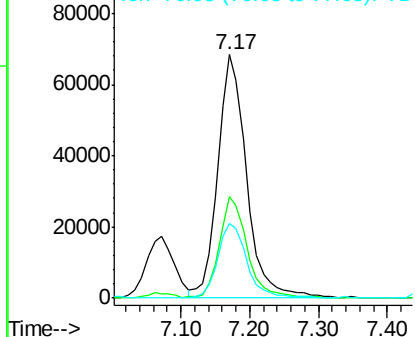


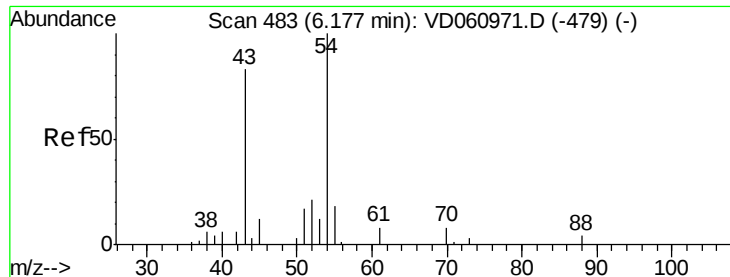
#36  
 1,1-Dichloropropene  
 Concen: 20.210 ug/l  
 RT: 7.17 min Scan# 584  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 41.8  | 19.7  | 59.1  |
| 77      | 30.9  | 24.7  | 37.1  |



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

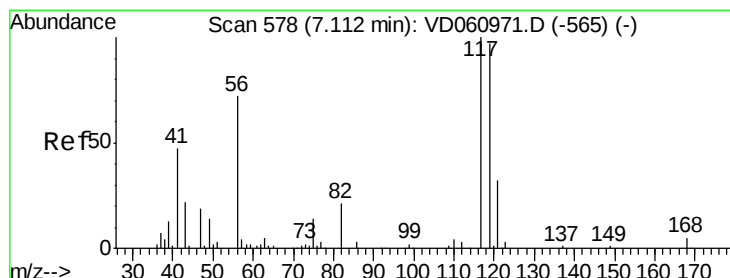
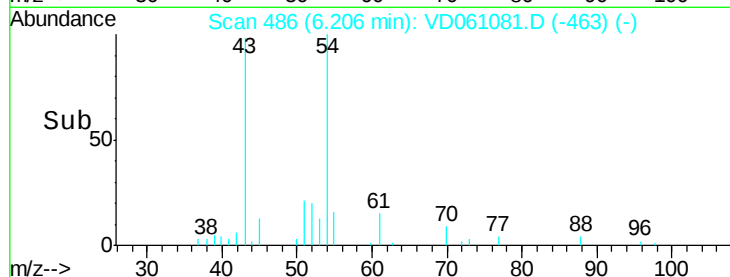
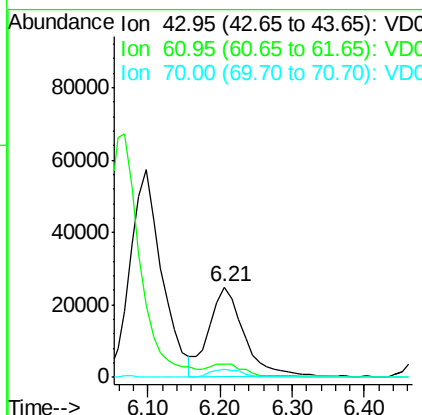
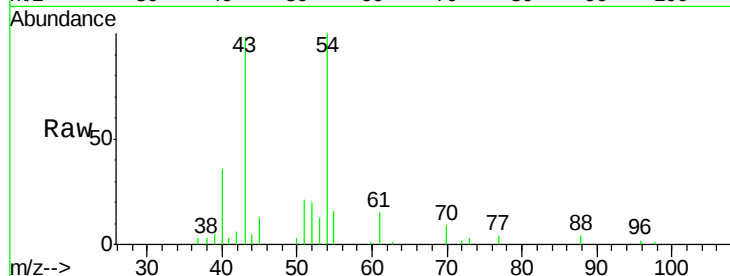




#37  
Ethyl Acetate  
Concen: 18.103 ug/l  
RT: 6.21 min Scan# 486  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

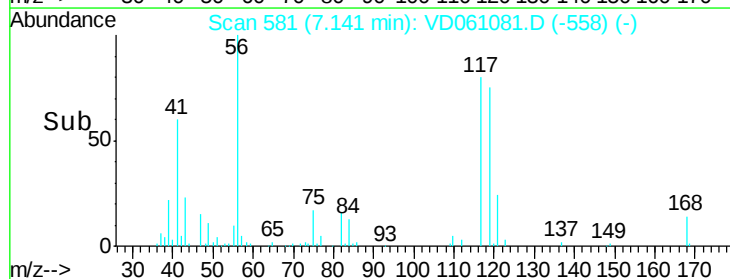
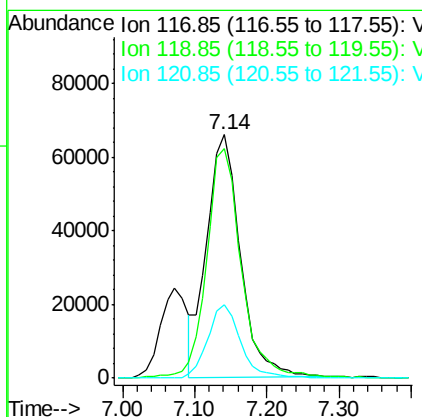
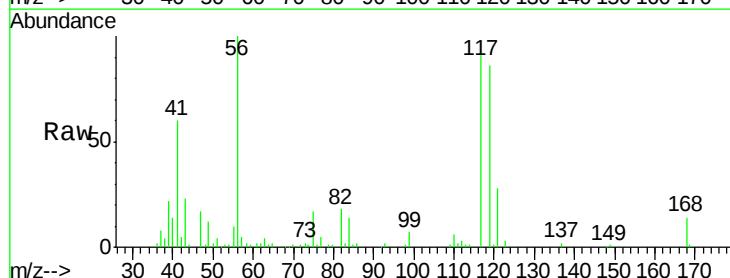
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

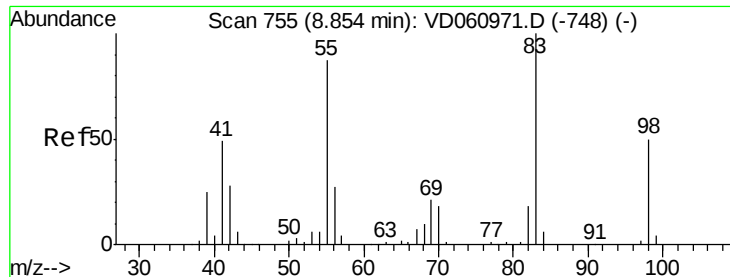
Tot Ion: 43 Resp: 83286  
Ion Ratio Lower Upper  
43 100  
61 14.9 13.7 20.5  
70 9.3 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 19.845 ug/l  
RT: 7.14 min Scan# 581  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion: 117 Resp: 214312  
Ion Ratio Lower Upper  
117 100  
119 94.5 77.8 116.8  
121 30.2 25.3 37.9

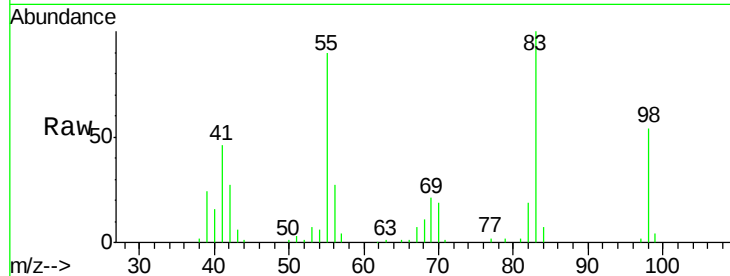




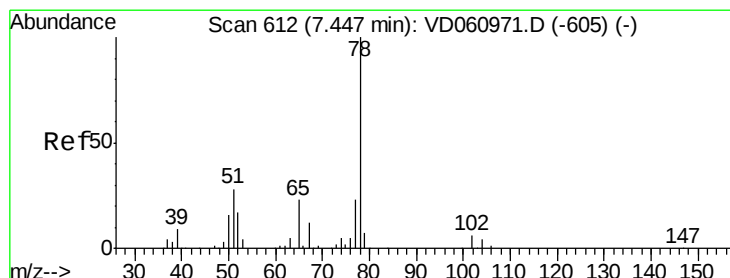
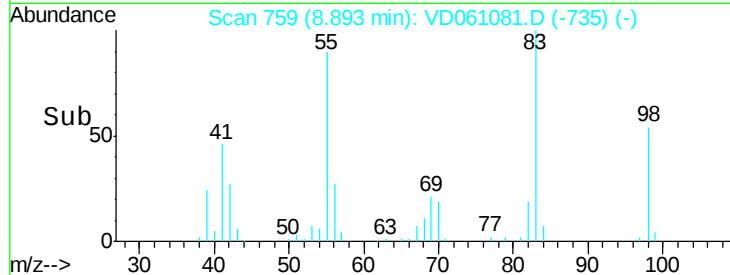
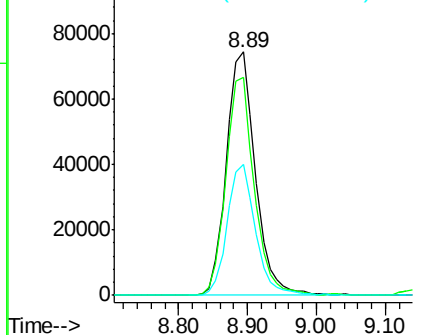
#39  
Methvlcvclohexane  
Concen: 21.276 ug/l  
RT: 8.89 min Scan# 759  
Delta R.T. 0.04 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

Tot Ion: 83 Resp: 216297  
Ion Ratio Lower Upper  
83 100  
55 89.5 69.6 104.4  
98 54.0 40.0 60.0

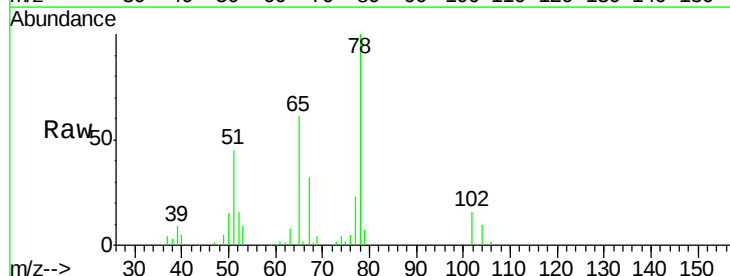


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

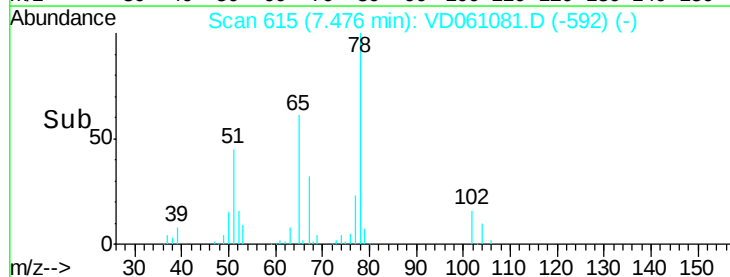
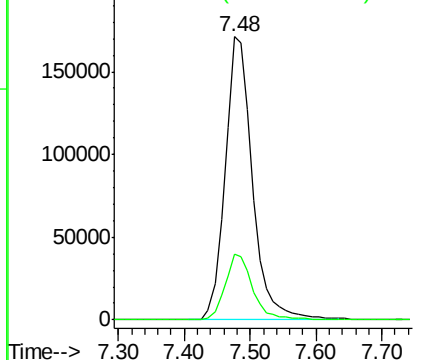


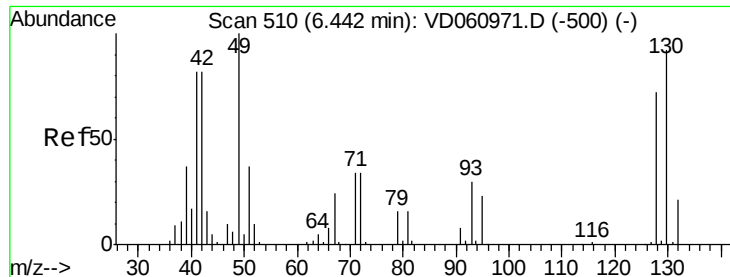
#40  
Benzene  
Concen: 20.299 ug/l  
RT: 7.48 min Scan# 615  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion: 78 Resp: 497277  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.8 28.2



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





#41

Methacrylonitrile

Concen: 18.003 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

Tot Ion: 41 Resp: 95267

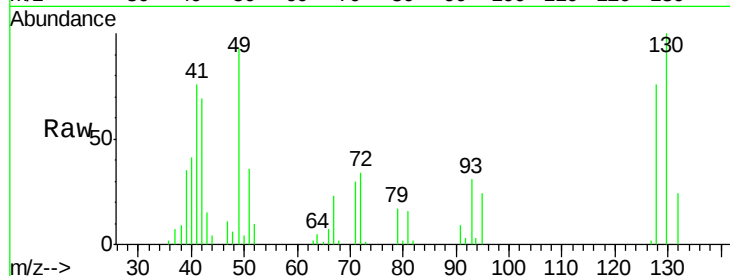
Ion Ratio Lower Upper

41 100

39 46.5 35.7 53.5

67 30.7 23.0 34.6

52 13.3 9.2 13.8

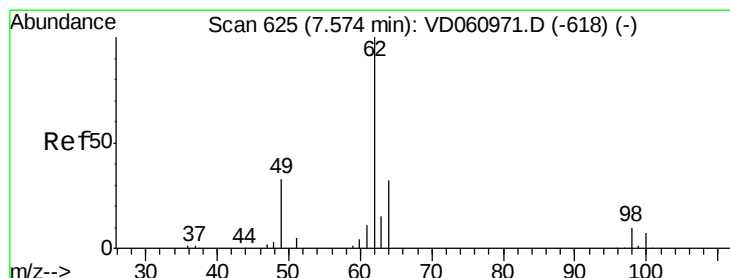
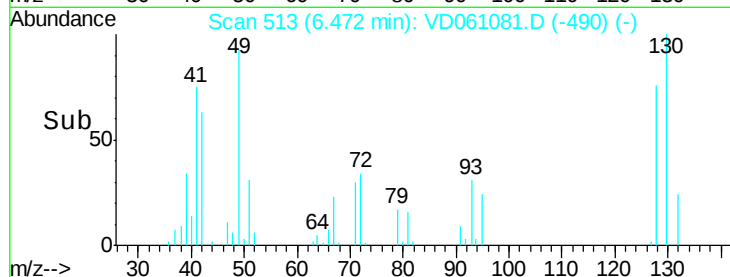
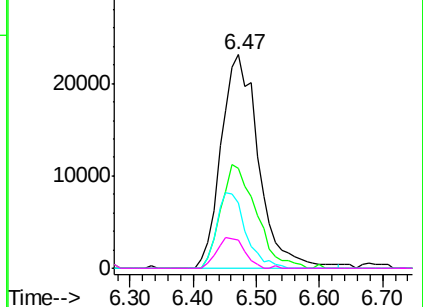


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.919 ug/l

RT: 7.60 min Scan# 628

Delta R.T. 0.03 min

Lab File: VD061081.D

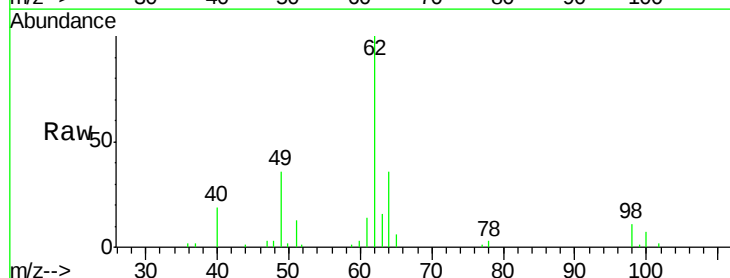
Acq: 15 Mar 2019 12:30

Tgt Ion: 62 Resp: 141607

Ion Ratio Lower Upper

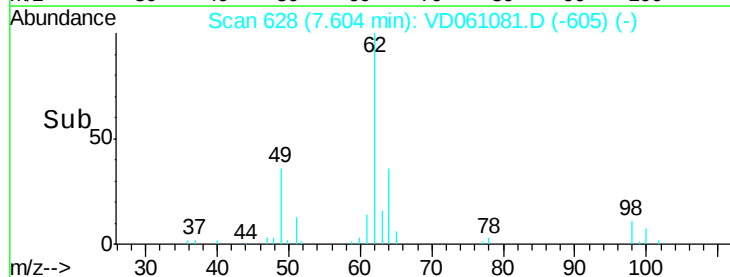
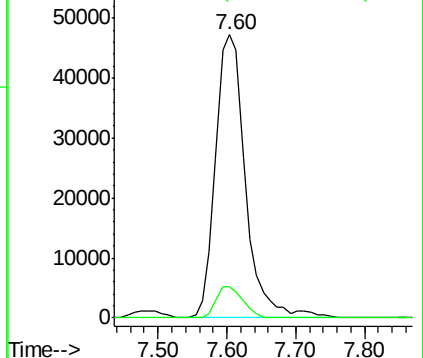
62 100

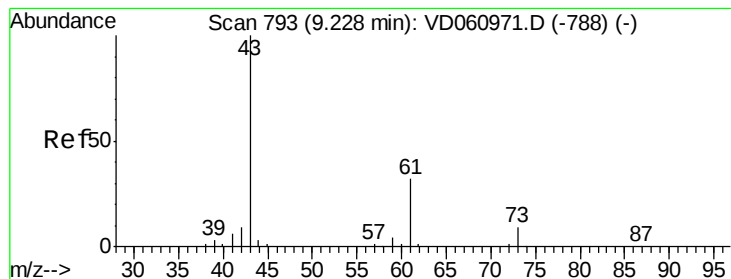
98 11.2 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



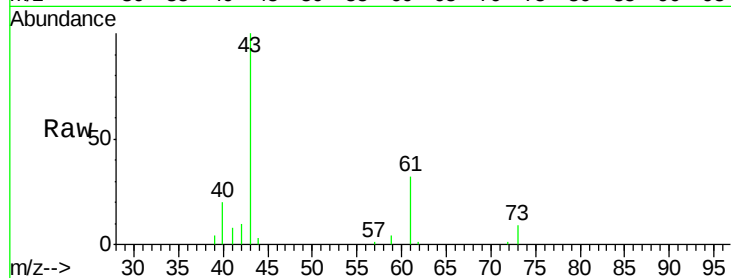


#43

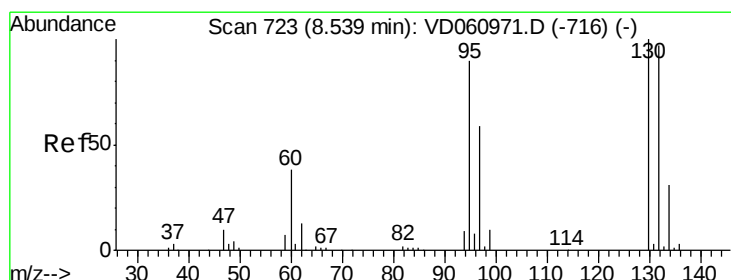
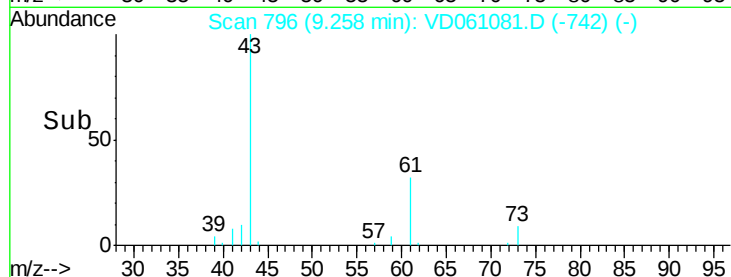
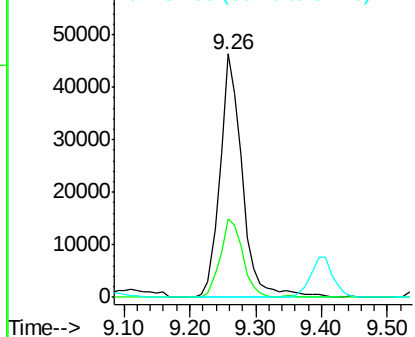
Isopropyl Acetate  
 Concen: 17.189 ug/l  
 RT: 9.26 min Scan# 796  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

Tot Ion: 43 Resp: 109530  
 Ion Ratio Lower Upper  
 43 100  
 61 32.2 25.6 38.4  
 87 0.0 0.2 0.4#



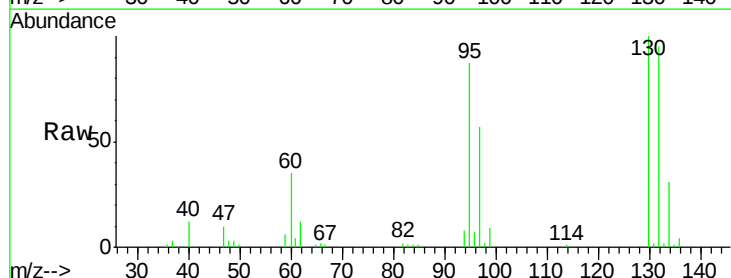
Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



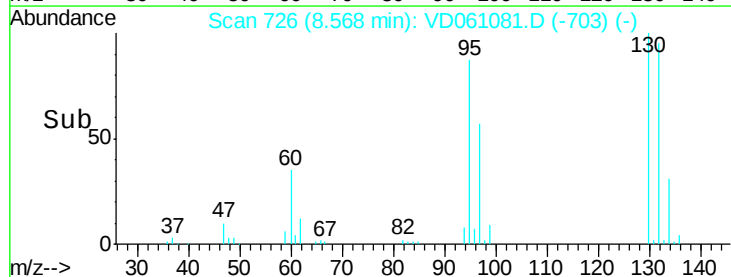
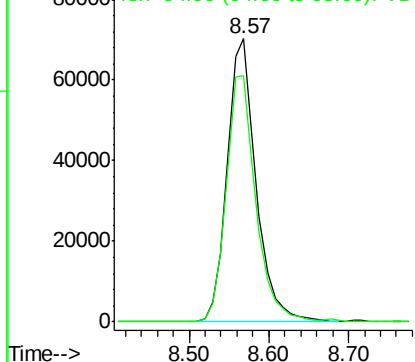
#44

Trichloroethene  
 Concen: 21.140 ug/l  
 RT: 8.57 min Scan# 726  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 130 Resp: 178667  
 Ion Ratio Lower Upper  
 130 100  
 95 87.1 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 20.190 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

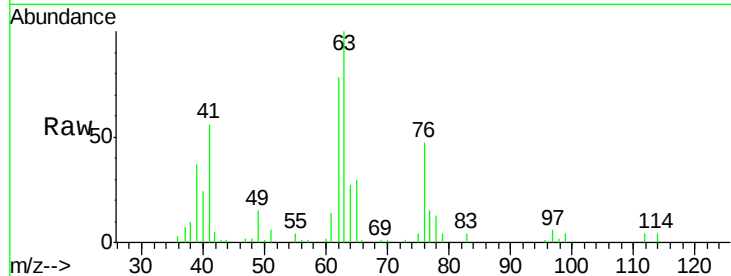
VD0315SBS01

Tot Ion: 63 Resp: 129949

Ion Ratio Lower Upper

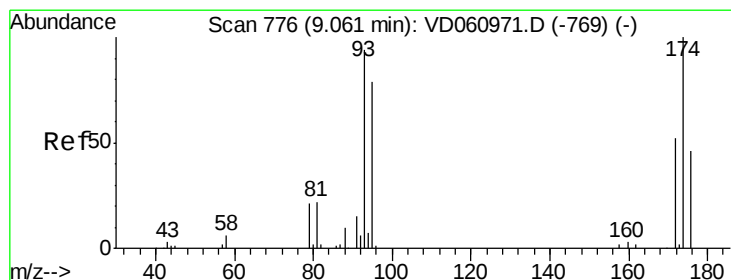
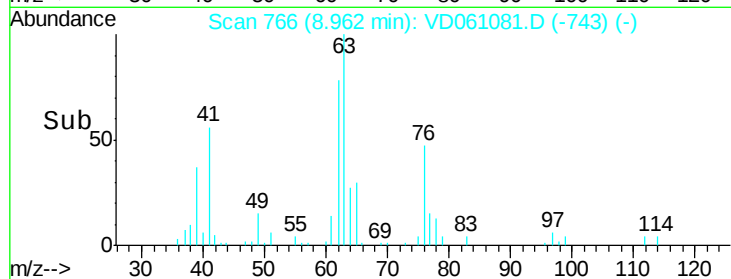
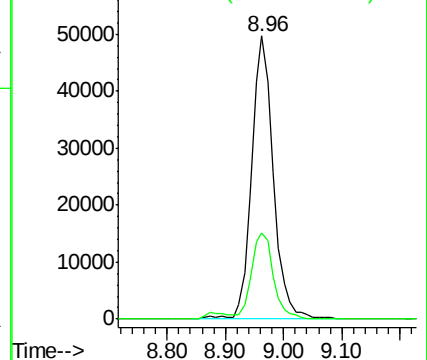
63 100

65 30.5 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.696 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

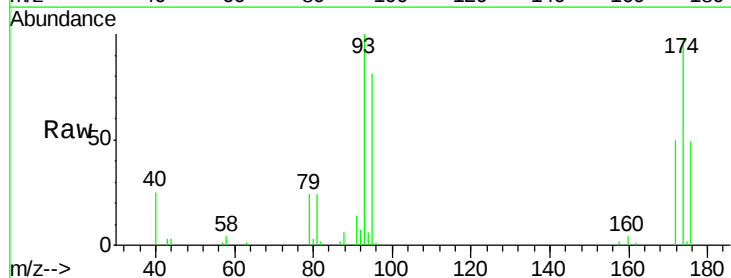
Tgt Ion: 93 Resp: 80411

Ion Ratio Lower Upper

93 100

95 81.3 67.4 101.0

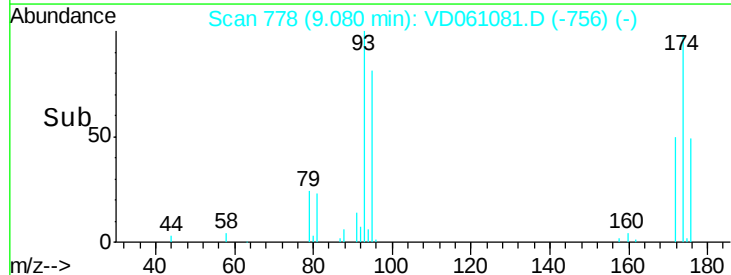
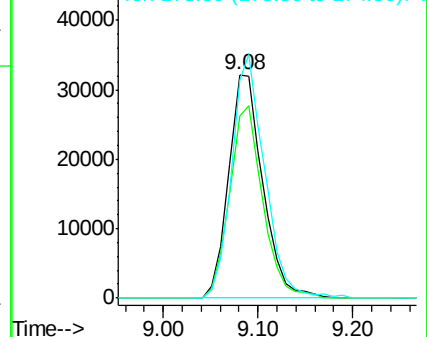
174 97.6 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.360 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

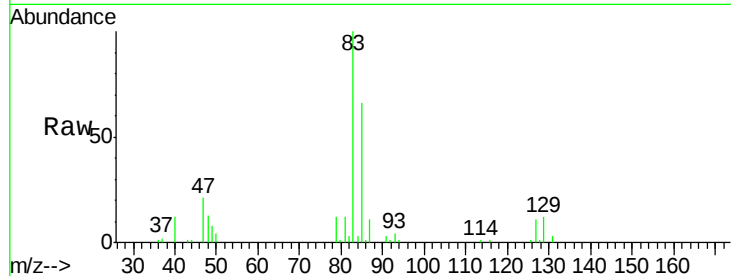
Tot Ion: 83 Resp: 178357

Ion Ratio Lower Upper

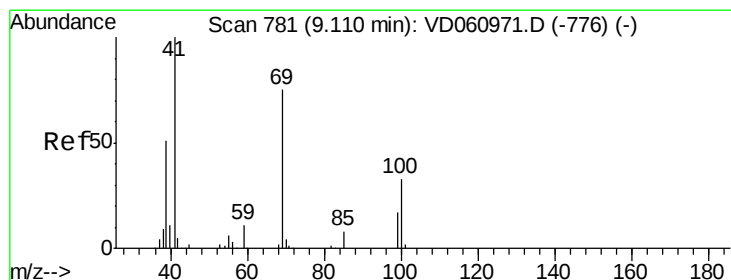
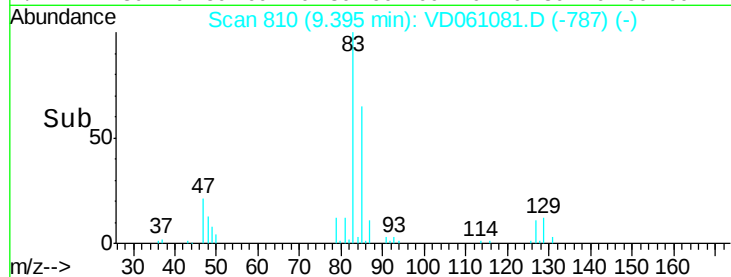
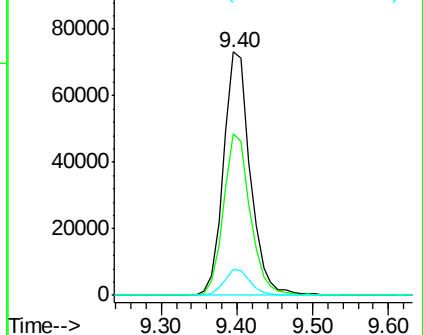
83 100

85 66.3 52.5 78.7

127 10.8 7.5 11.3



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



#48

Methyl methacrylate

Concen: 19.038 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

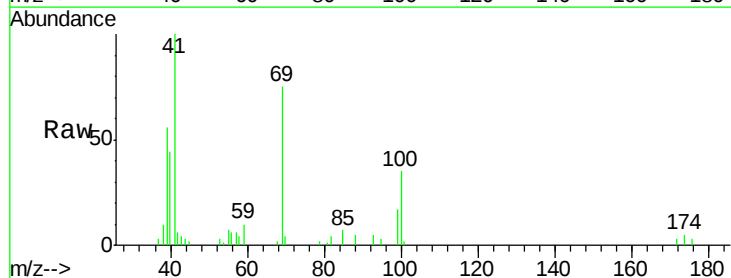
Tgt Ion: 41 Resp: 68302

Ion Ratio Lower Upper

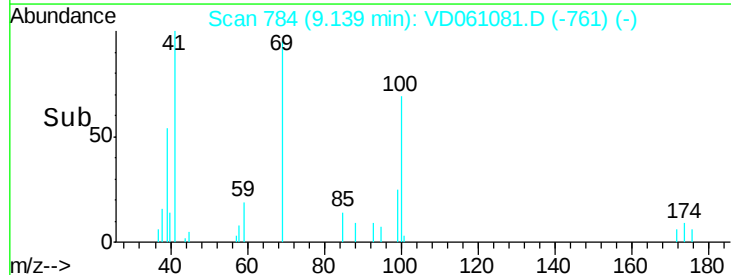
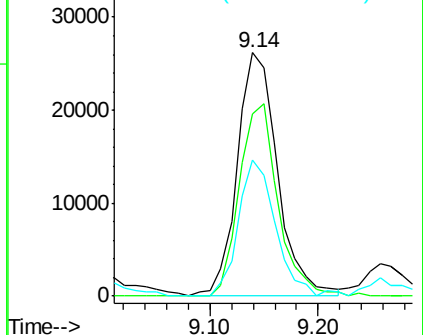
41 100

69 74.8 59.9 89.9

39 55.7 40.9 61.3



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





#49

1,4-Dioxane

Concen: 374.131 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.04 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

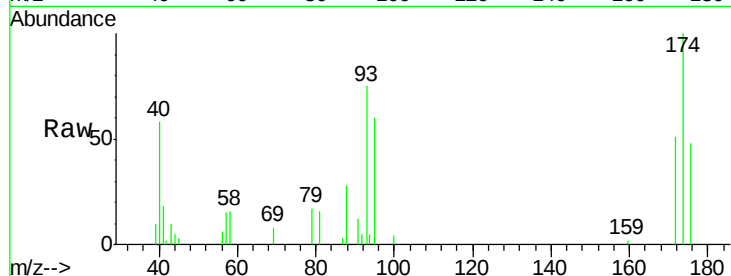
Tot Ion: 88 Resp: 13573

Ion Ratio Lower Upper

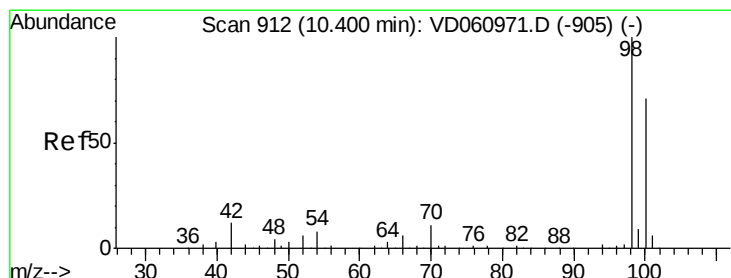
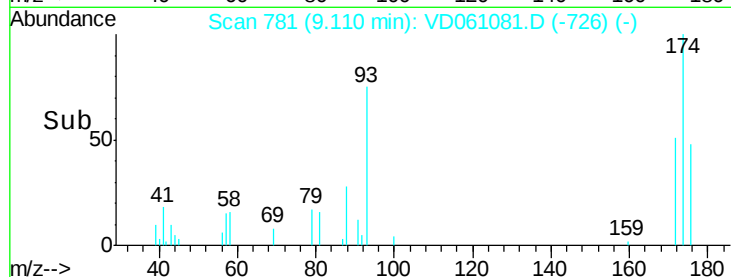
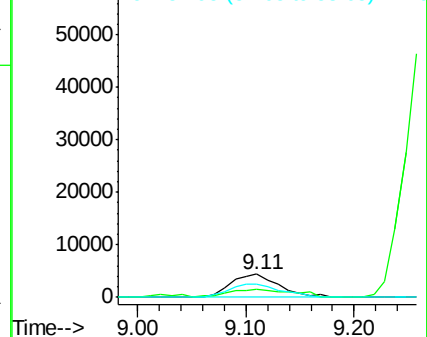
88 100

43 34.8 21.0 31.6#

58 55.2 48.6 72.8



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: 374.131 ug/l

RT: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD061081.D

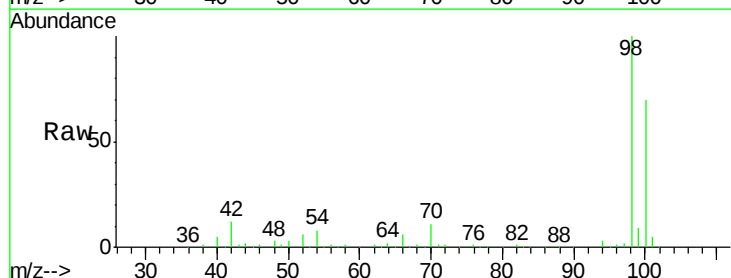
Acq: 15 Mar 2019 12:30

Tgt Ion: 98 Resp: 1093829

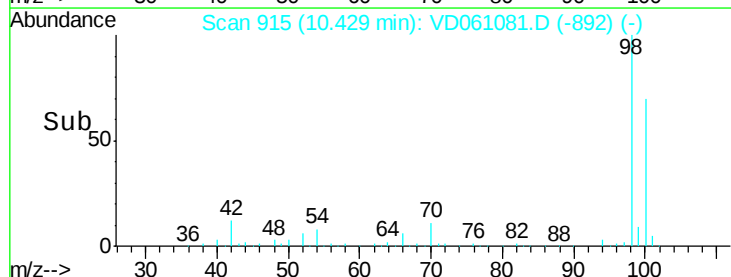
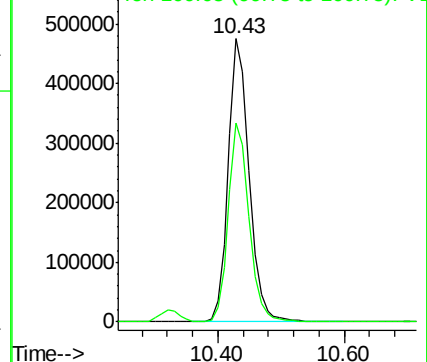
Ion Ratio Lower Upper

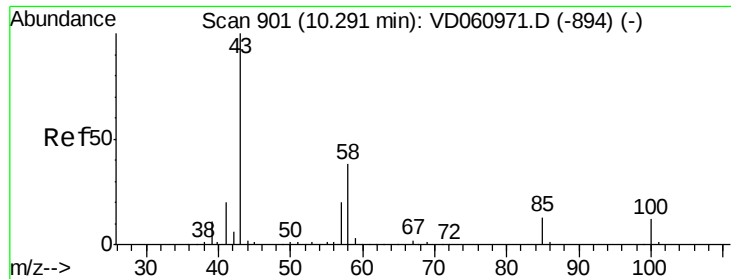
98 100

100 70.4 57.4 86.2



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: 91.994 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

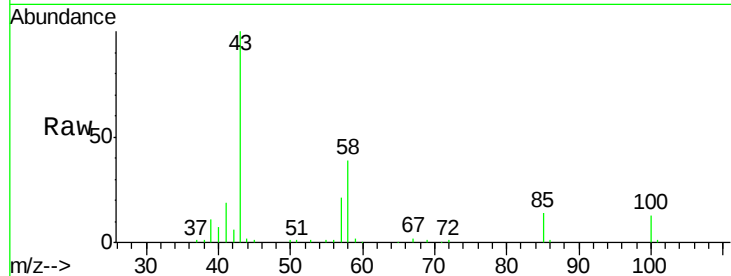
VD0315SBS01

Tot Ion: 43 Resp: 359124

Ion Ratio Lower Upper

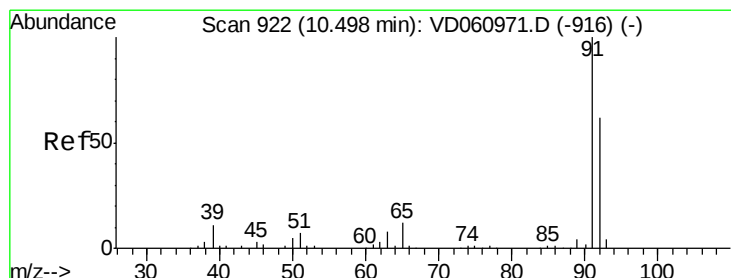
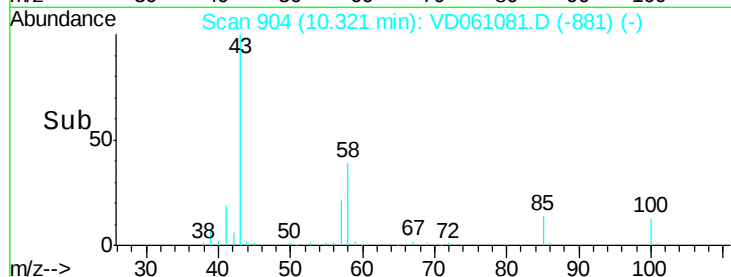
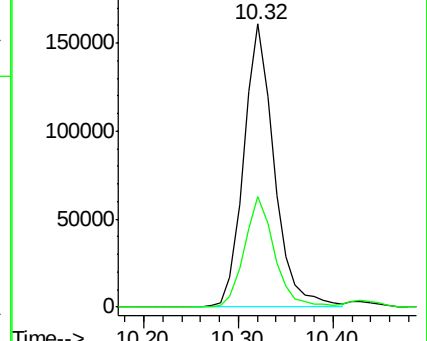
43 100

58 39.0 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.846 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061081.D

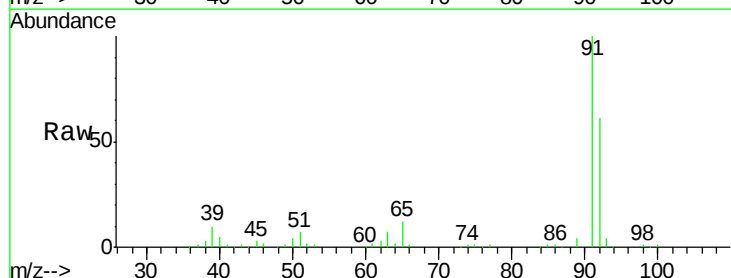
Acq: 15 Mar 2019 12:30

Tgt Ion: 92 Resp: 317571

Ion Ratio Lower Upper

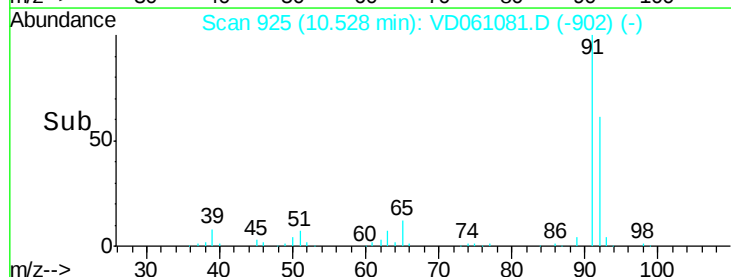
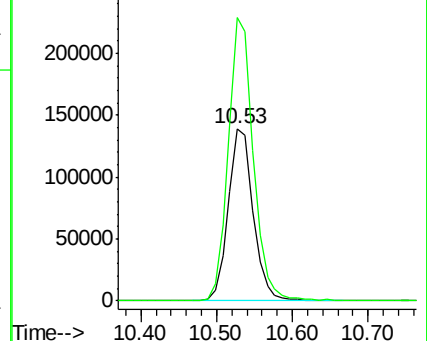
92 100

91 164.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

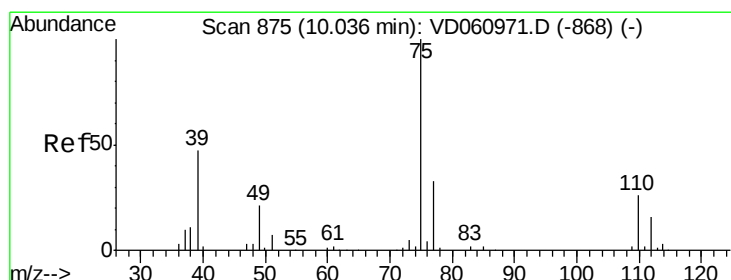
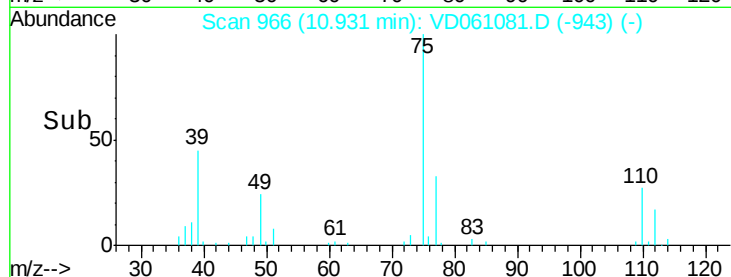
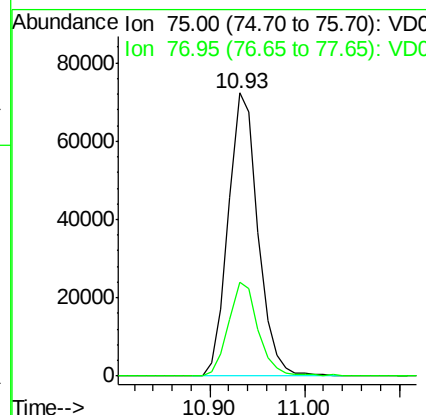
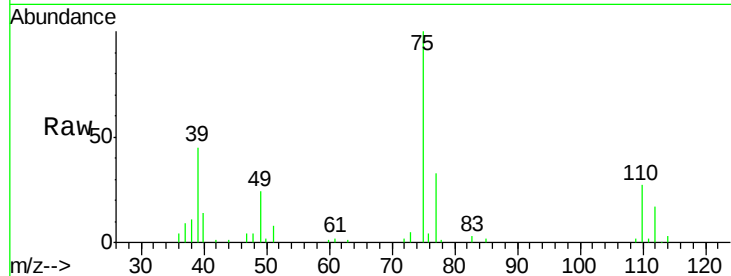




#53  
 t-1,3-Dichloropropene  
 Concen: 18.680 ug/l  
 RT: 10.93 min Scan# 966  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

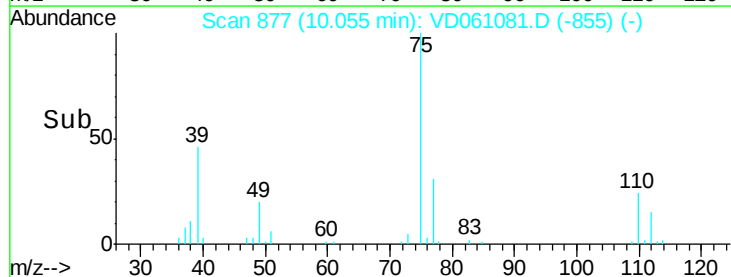
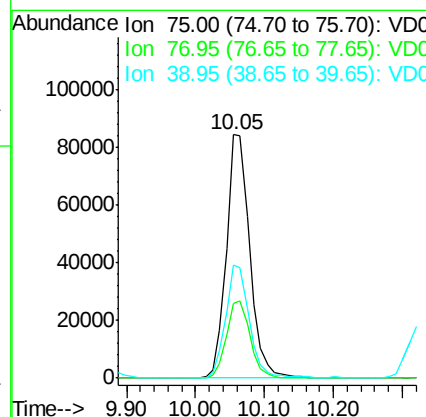
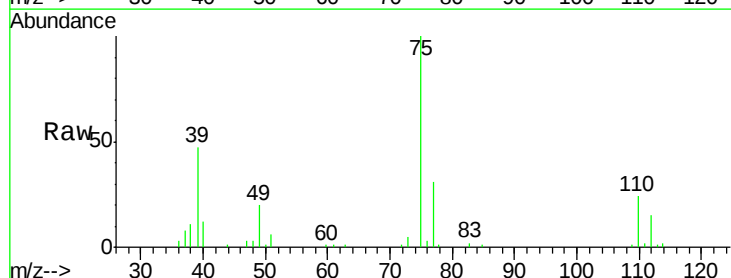
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

Tot Ion: 75 Resp: 157366  
 Ion Ratio Lower Upper  
 75 100  
 77 33.1 24.7 37.1



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.595 ug/l  
 RT: 10.05 min Scan# 877  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 75 Resp: 198333  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 26.2 39.4  
 39 46.6 37.8 56.8

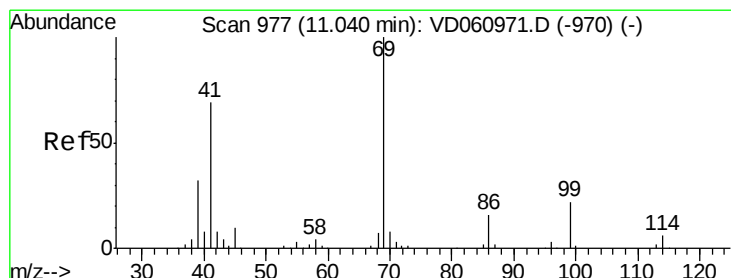
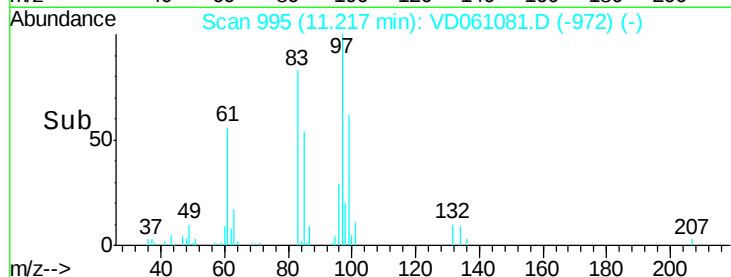
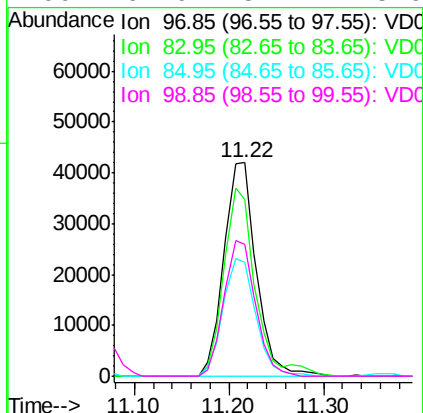
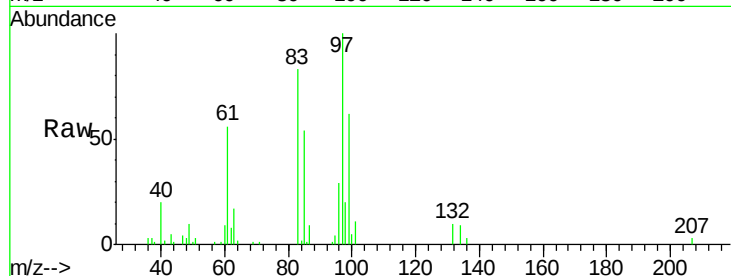




#55  
 1,1,2-Trichloroethane  
 Concen: 19.600 ug/l  
 RT: 11.22 min Scan# 995  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

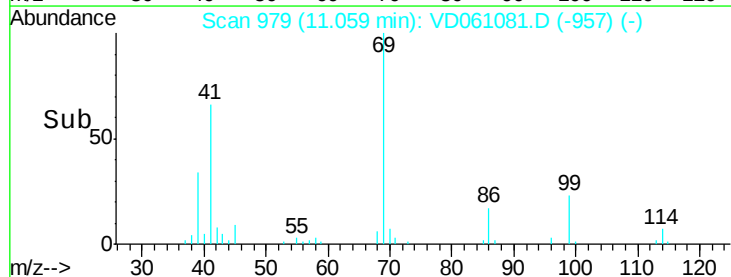
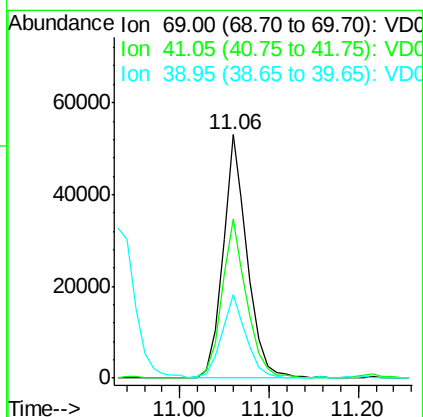
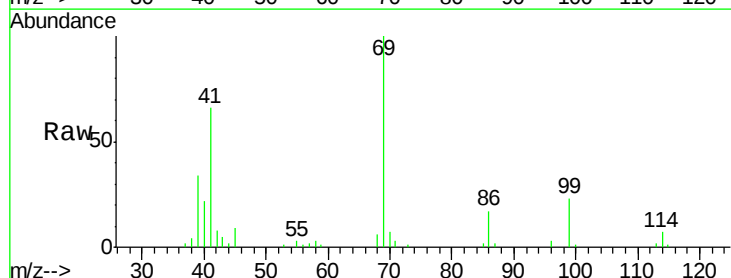
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

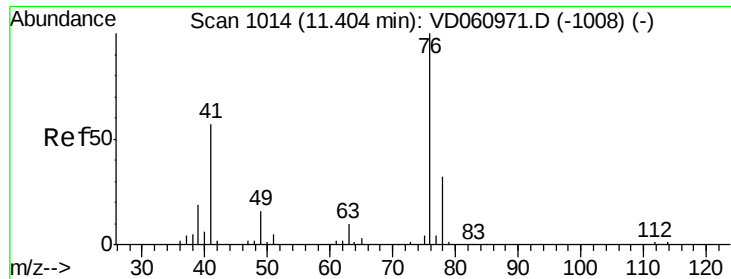
Tot Ion: 97 Resp: 99436  
 Ion Ratio Lower Upper  
 97 100  
 83 82.7 66.6 100.0  
 85 53.6 46.4 69.6  
 99 61.9 52.4 78.6



#56  
 Ethyl methacrylate  
 Concen: 18.899 ug/l  
 RT: 11.06 min Scan# 979  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 69 Resp: 100359  
 Ion Ratio Lower Upper  
 69 100  
 41 65.6 55.5 83.3  
 39 34.1 26.2 39.2

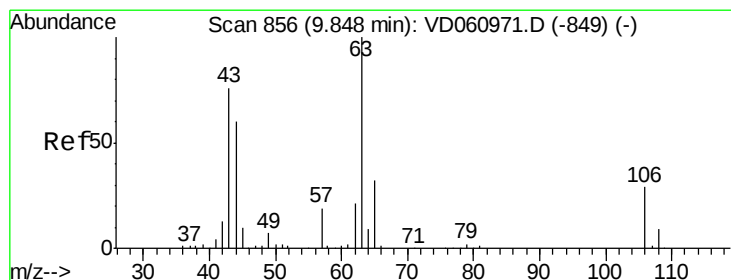
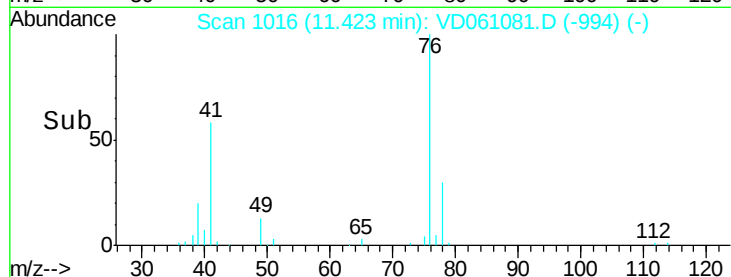
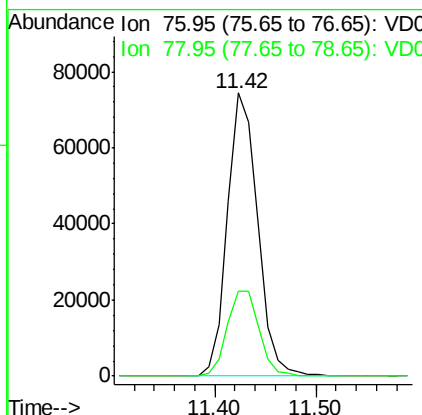
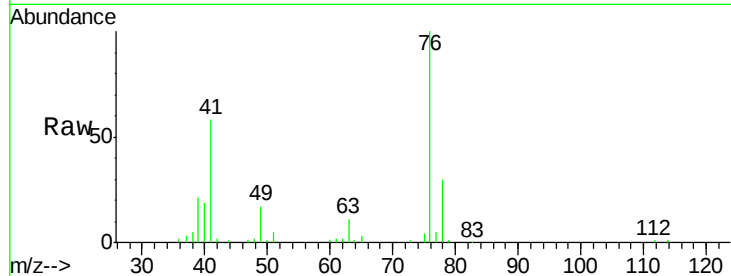




#57  
 1,3-Dichloropropane  
 Concen: 20.416 ug/l  
 RT: 11.42 min Scan# 1016  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

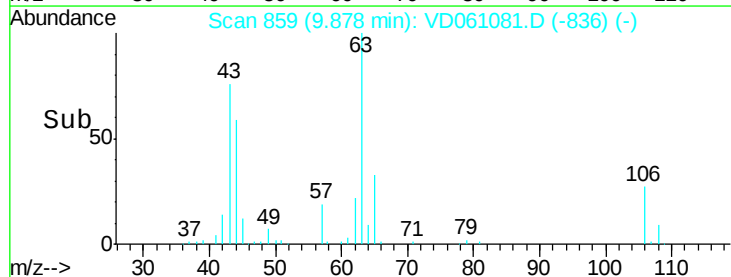
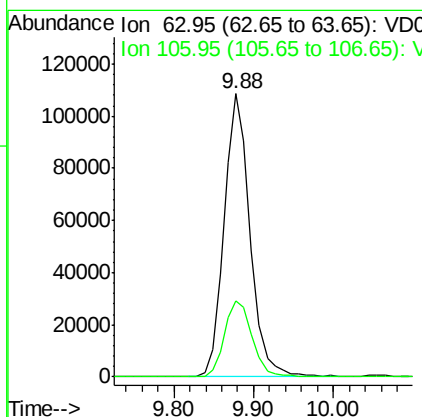
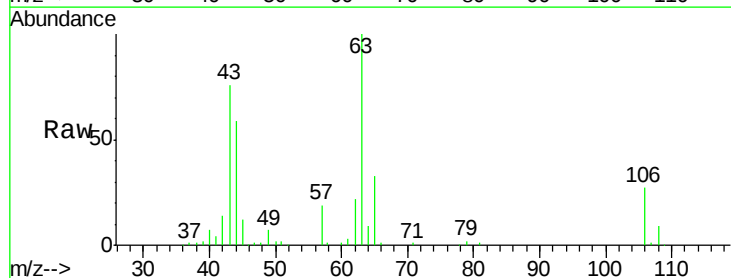
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

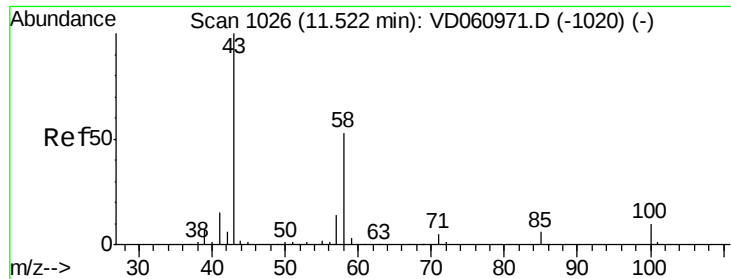
Tot Ion: 76 Resp: 154777  
 Ion Ratio Lower Upper  
 76 100  
 78 30.2 25.4 38.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 88.164 ug/l  
 RT: 9.88 min Scan# 859  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 63 Resp: 247810  
 Ion Ratio Lower Upper  
 63 100  
 106 26.7 22.8 34.2

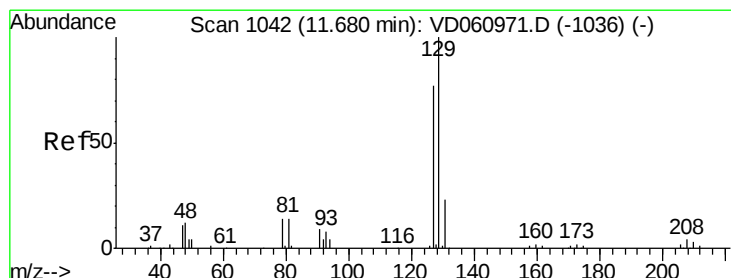
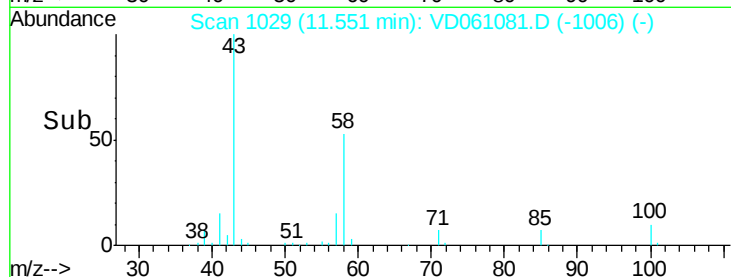
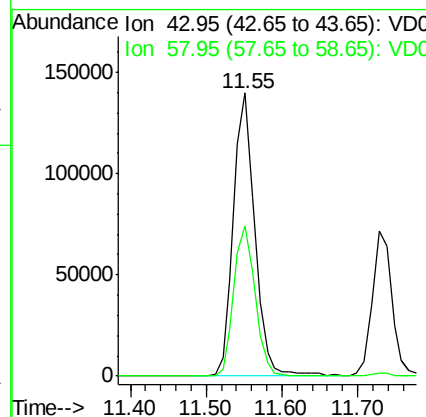
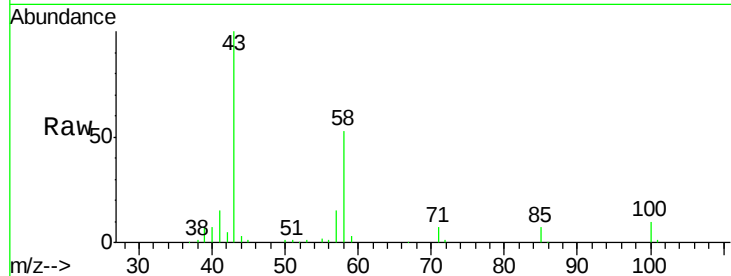




#59  
2-Hexanone  
Concen: 95.476 ug/l  
RT: 11.55 min Scan# 1029  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

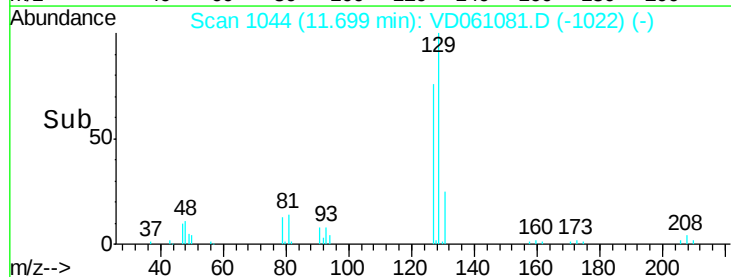
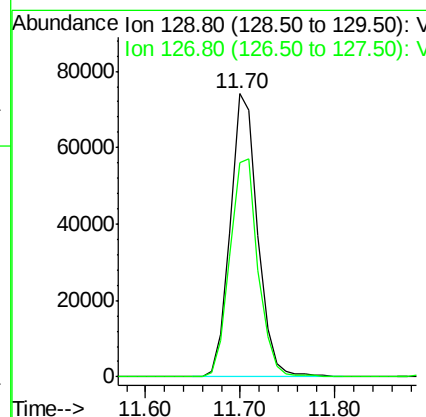
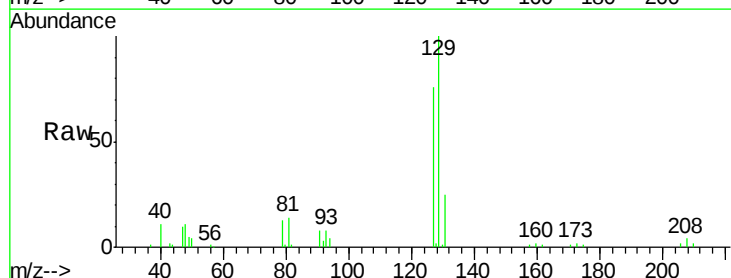
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

Tot Ion: 43 Resp: 272639  
Ion Ratio Lower Upper  
43 100  
58 53.1 26.5 79.5



#60  
Dibromochloromethane  
Concen: 19.873 ug/l  
RT: 11.70 min Scan# 1044  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion: 129 Resp: 148377  
Ion Ratio Lower Upper  
129 100  
127 75.6 38.3 114.9

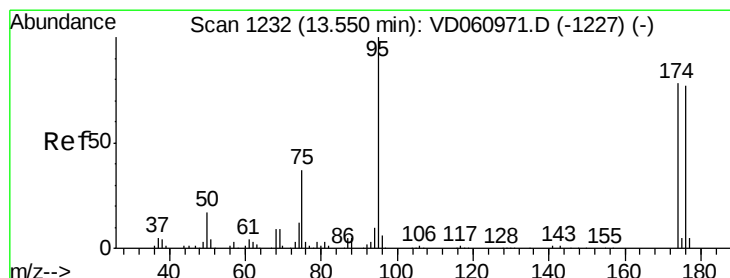
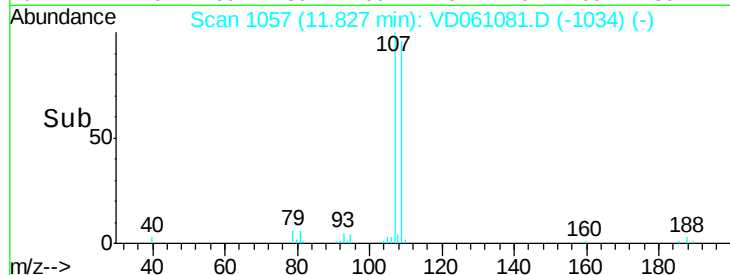
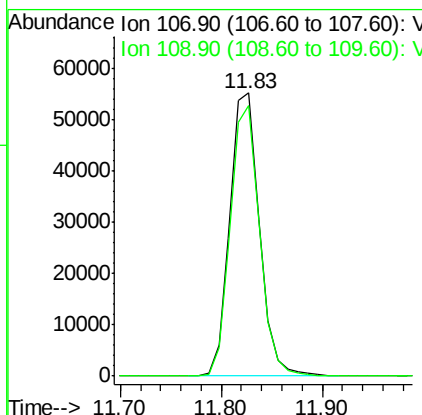
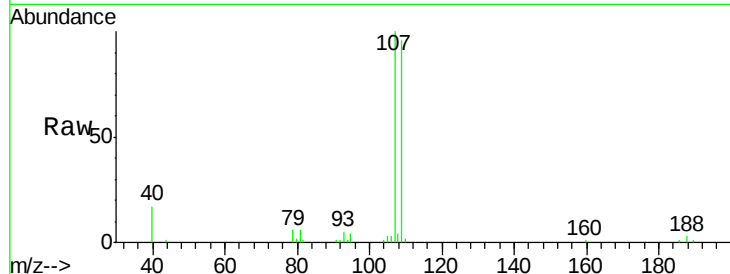




#61  
 1,2-Dibromoethane  
 Concen: 18.998 ug/l  
 RT: 11.83 min Scan# 1057  
 Delta R.T. 0.03 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

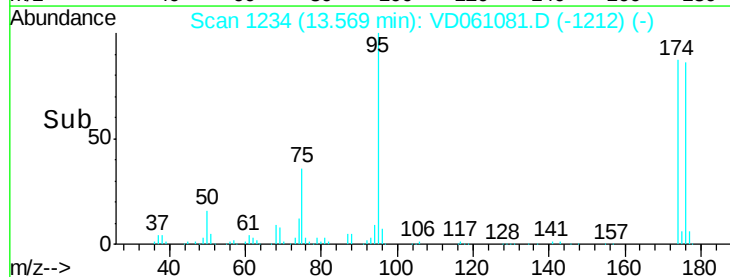
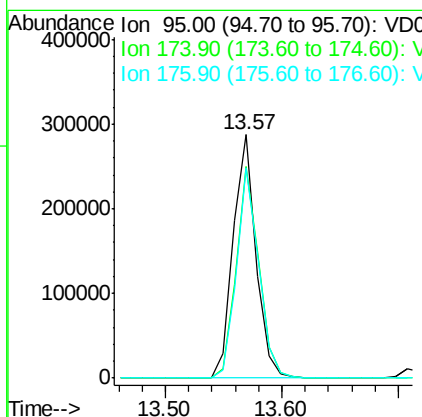
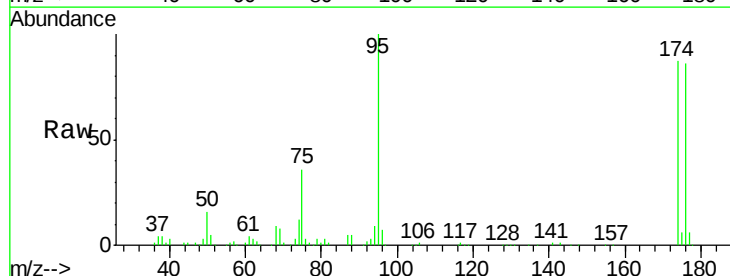
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

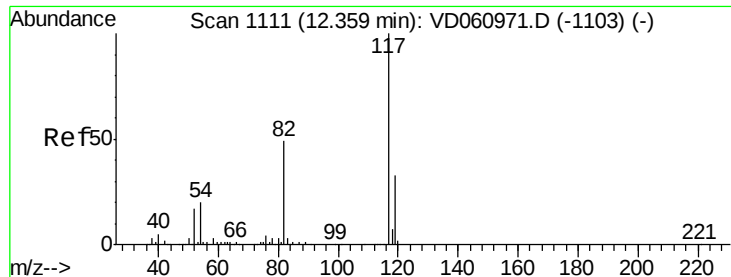
Tot Ion:107 Resp: 112119  
 Ion Ratio Lower Upper  
 107 100  
 109 95.6 75.6 113.4



#62  
 4-Bromofluorobenzene  
 Concen: 18.998 ug/l  
 RT: 13.57 min Scan# 1234  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 95 Resp: 389637  
 Ion Ratio Lower Upper  
 95 100  
 174 86.7 0.0 155.6  
 176 86.4 0.0 153.8

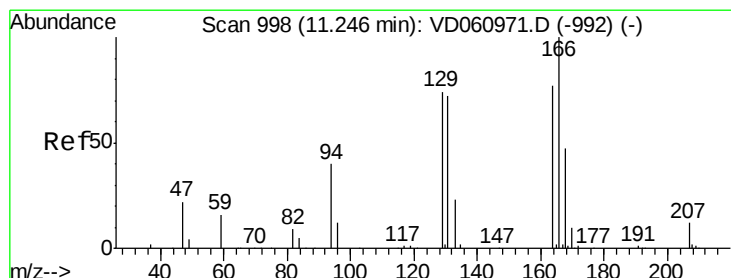
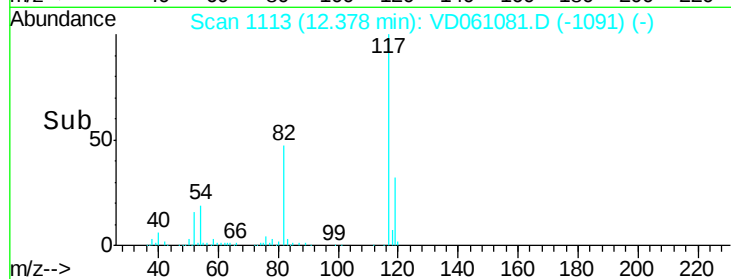
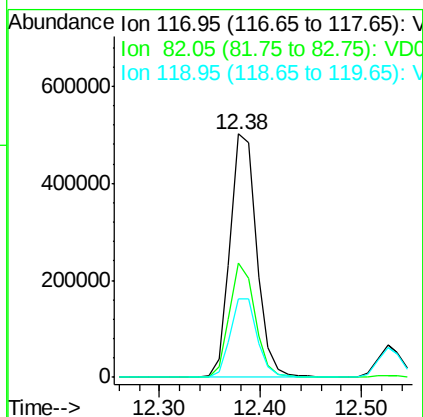
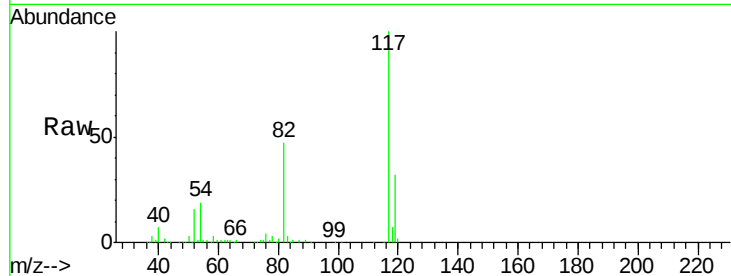




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1113  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

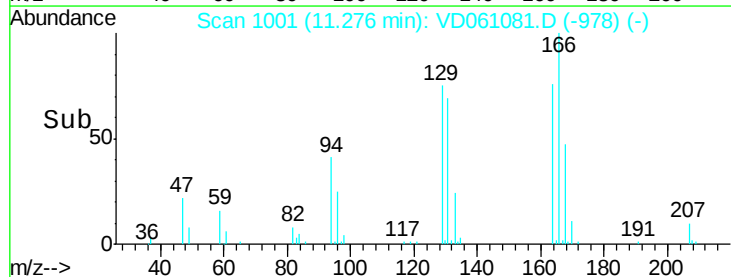
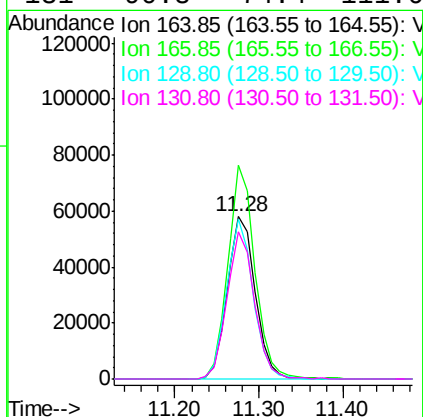
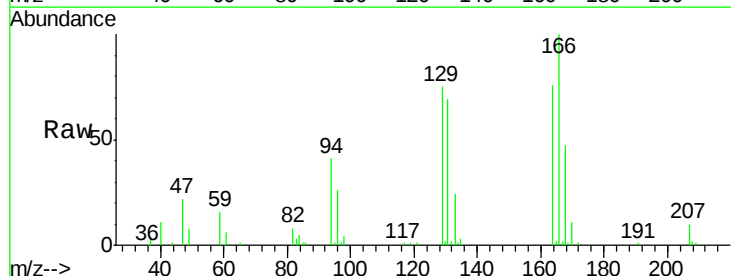
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

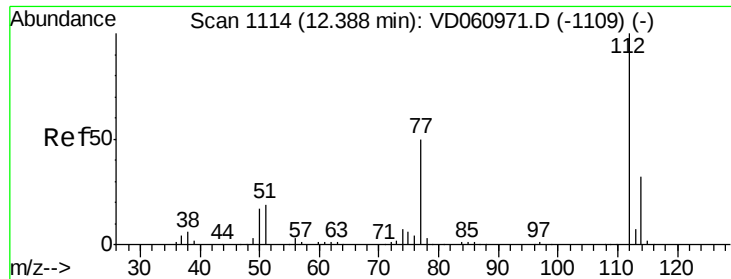
Tot Ion:117 Resp: 919737  
Ion Ratio Lower Upper  
117 100  
82 46.7 38.9 58.3  
119 32.1 26.6 39.8



#64  
Tetrachloroethene  
Concen: 21.636 ug/l  
RT: 11.28 min Scan# 1001  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion:164 Resp: 134328  
Ion Ratio Lower Upper  
164 100  
166 131.7 103.4 155.0  
129 98.4 76.9 115.3  
131 90.8 74.4 111.6

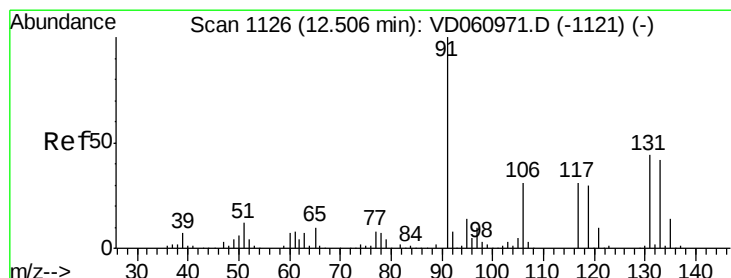
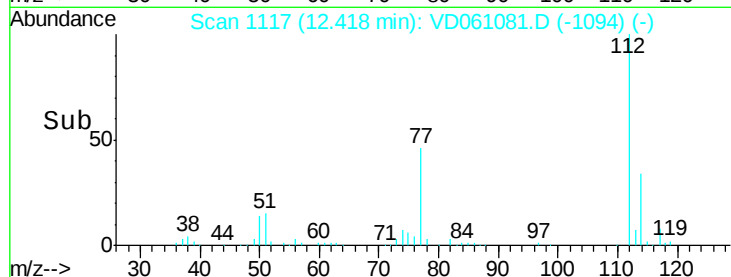
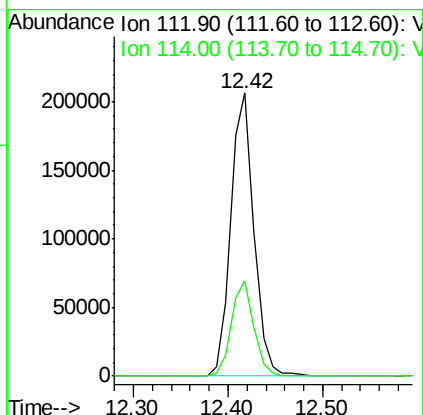
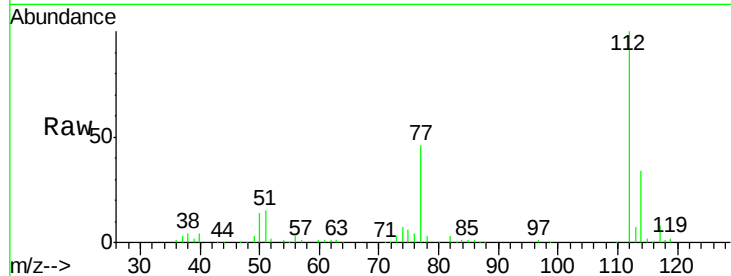




#65  
Chlorobenzene  
Concen: 19.336 ug/l  
RT: 12.42 min Scan# 1117  
Delta R.T. 0.03 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

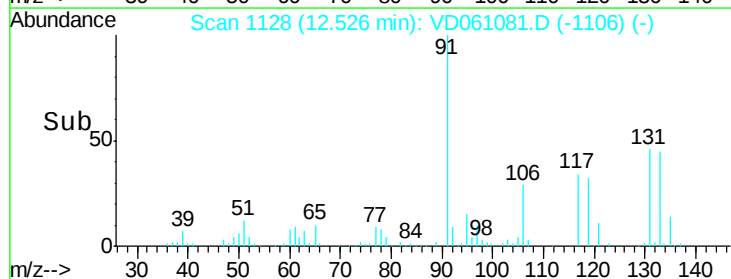
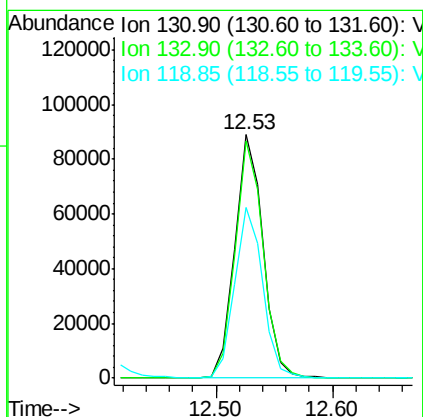
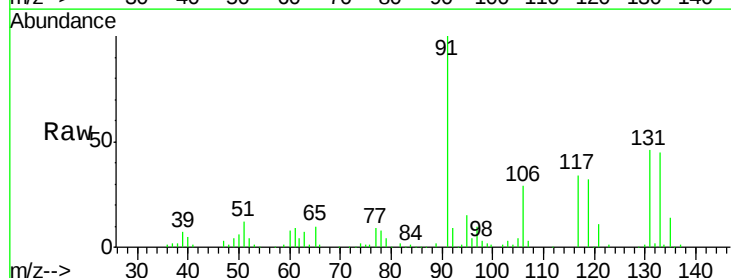
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

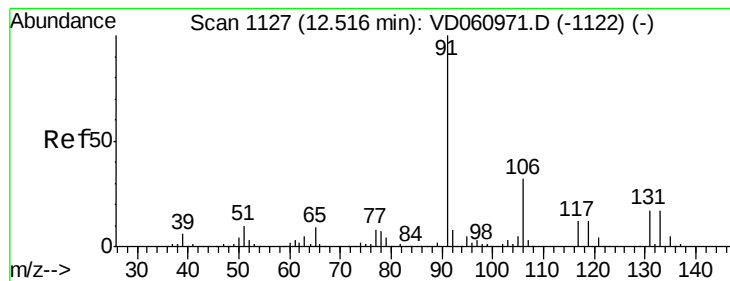
Tot Ion:112 Resp: 348637  
Ion Ratio Lower Upper  
112 100  
114 33.5 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 23.166 ug/l  
RT: 12.53 min Scan# 1128  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion:131 Resp: 148890  
Ion Ratio Lower Upper  
131 100  
133 97.3 47.8 143.3  
119 70.2 34.3 102.9





#67

Ethyl Benzene

Concen: 23.328 ug/l

RT: 12.54 min Scan# 1129

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

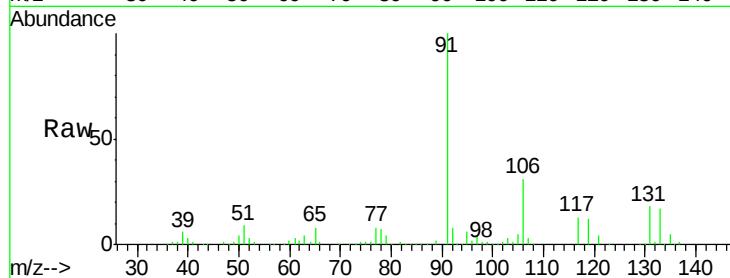
VD0315SBS01

Tot Ion: 91 Resp: 626201

Ion Ratio Lower Upper

91 100

106 31.4 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

12.54

400000

300000

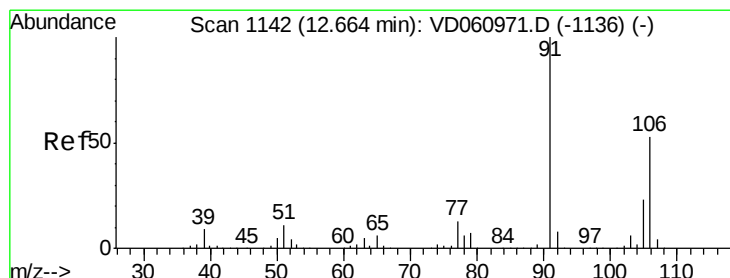
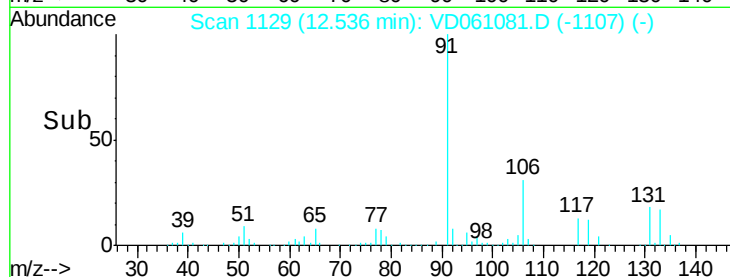
200000

100000

0

Time-->

12.50 12.60



#68

m/p-Xylenes

Concen: 43.245 ug/l

RT: 12.68 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VD061081.D

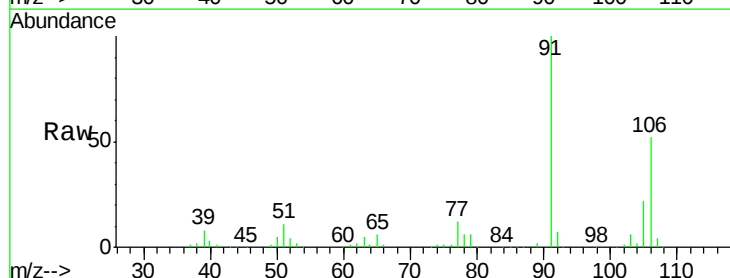
Acq: 15 Mar 2019 12:30

Tgt Ion: 106 Resp: 455622

Ion Ratio Lower Upper

106 100

91 193.6 152.0 228.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

12.68

400000

300000

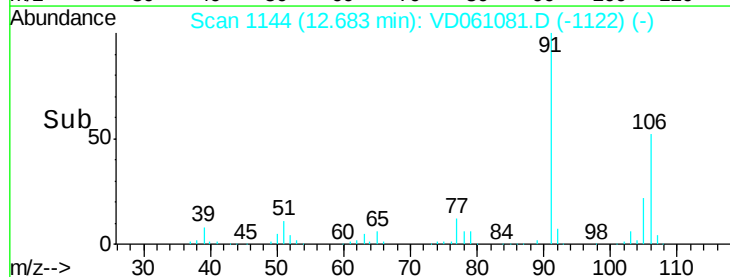
200000

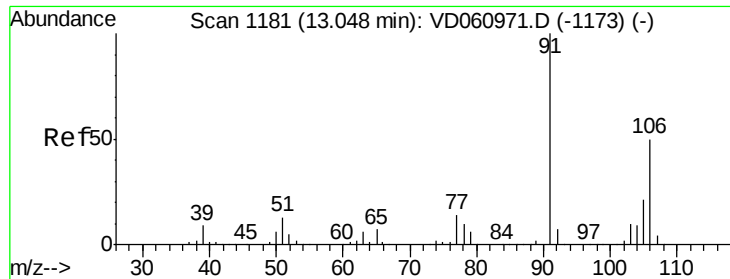
100000

0

Time-->

12.60 12.70 12.80

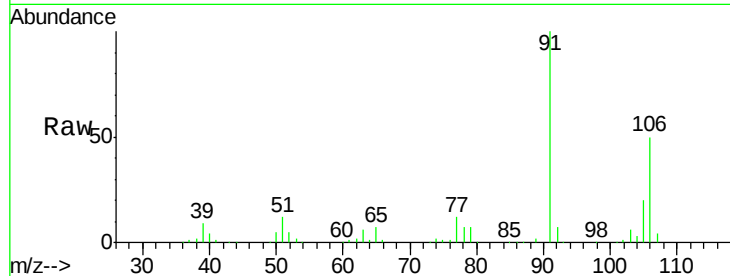




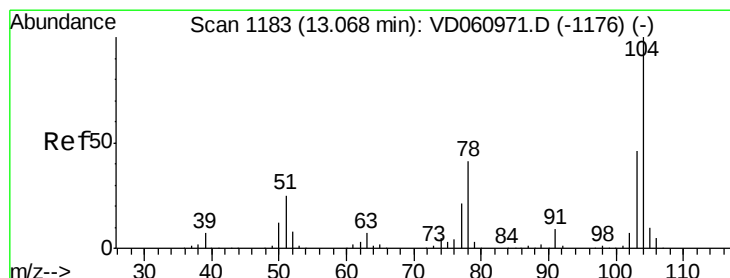
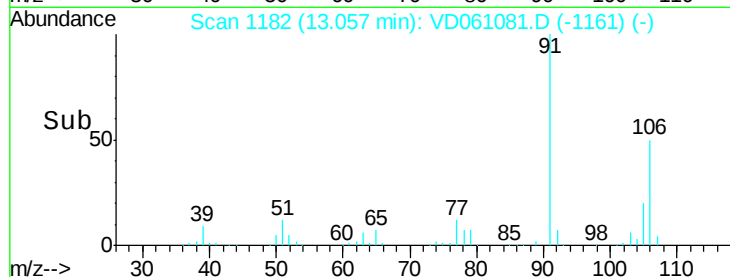
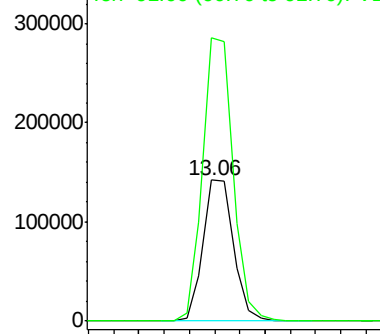
#69  
o-Xylene  
Concen: 22.821 ug/l  
RT: 13.06 min Scan# 1182  
Delta R.T. 0.01 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

Tot Ion:106 Resp: 236340  
Ion Ratio Lower Upper  
106 100  
91 201.0 99.8 299.3

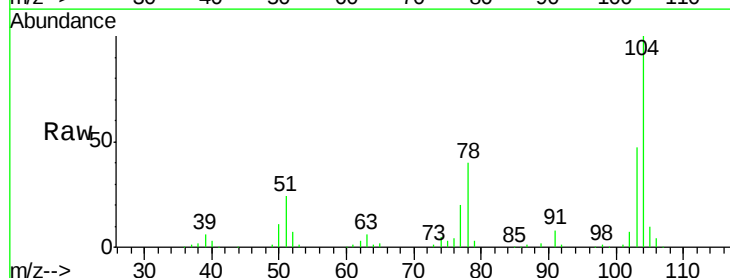


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

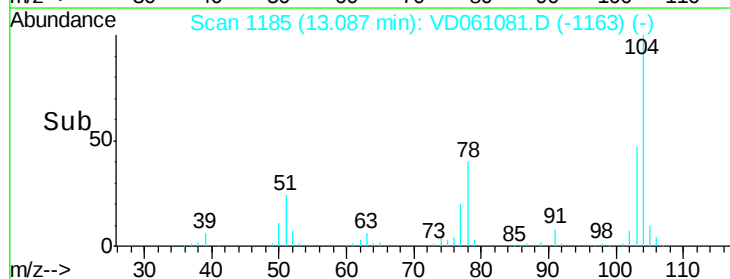
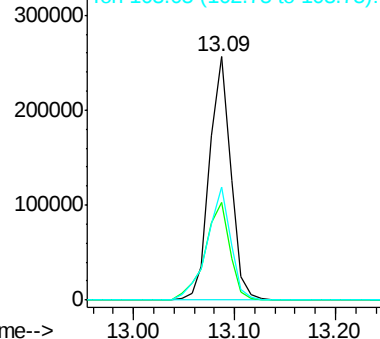


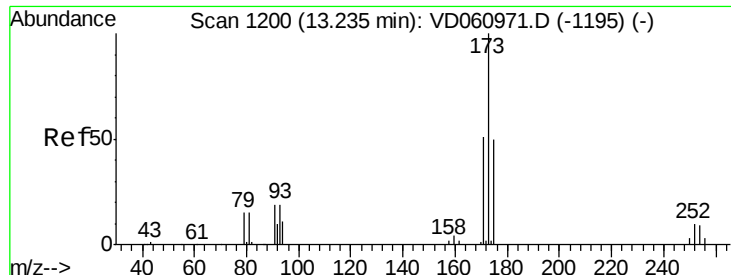
#70  
Styrene  
Concen: 22.082 ug/l  
RT: 13.09 min Scan# 1185  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion:104 Resp: 373432  
Ion Ratio Lower Upper  
104 100  
78 39.9 33.0 49.4  
103 46.5 37.1 55.7



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: 20.158 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

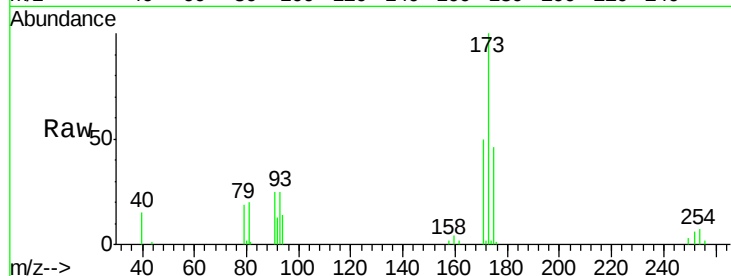
Tot Ion:173 Resp: 83578

Ion Ratio Lower Upper

173 100

175 46.1 24.9 74.8

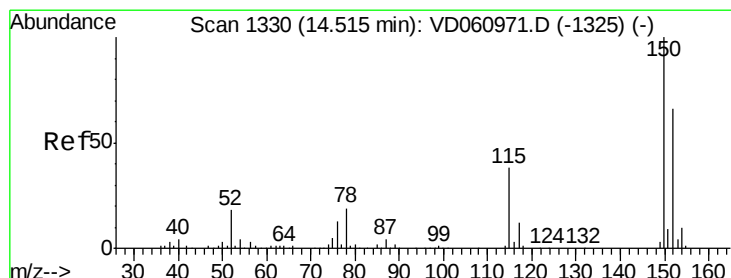
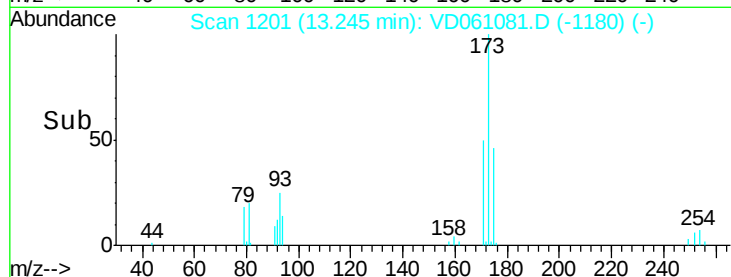
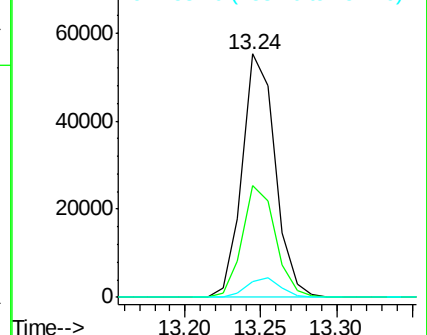
254 6.6 7.3 10.9#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

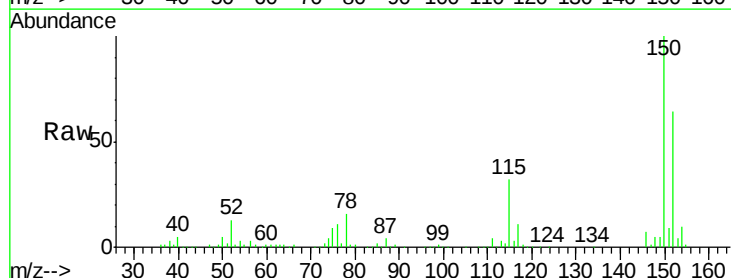
Tgt Ion:152 Resp: 417858

Ion Ratio Lower Upper

152 100

115 51.0 28.6 85.9

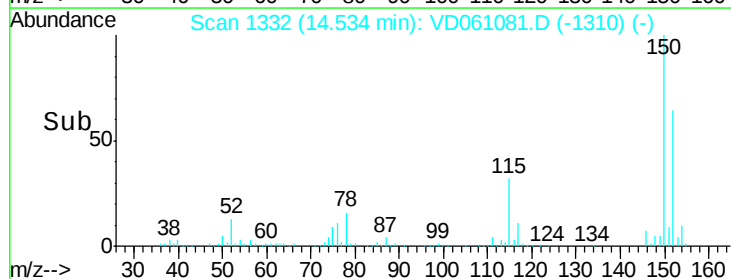
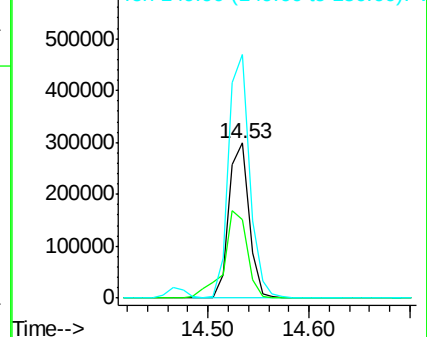
150 156.9 0.0 310.6

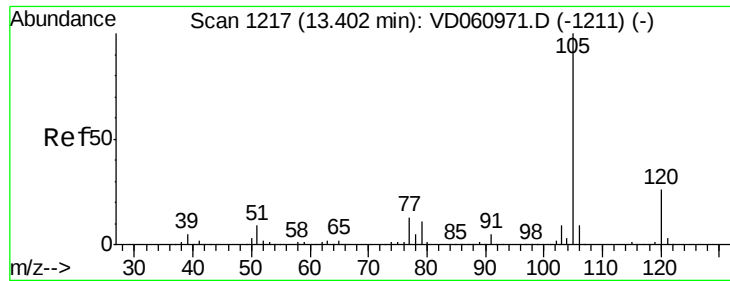


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.995 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

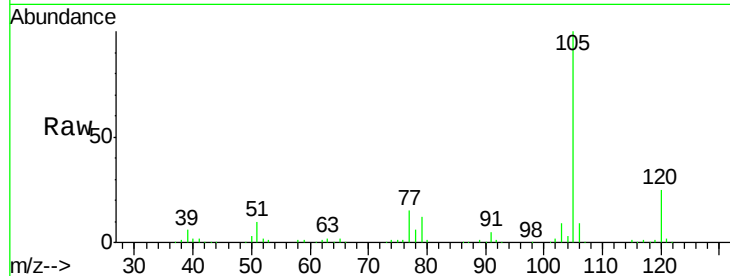
VD0315SBS01

Tot Ion:105 Resp: 572010

Ion Ratio Lower Upper

105 100

120 24.5 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

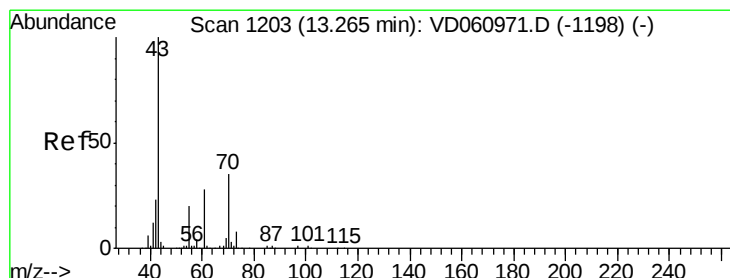
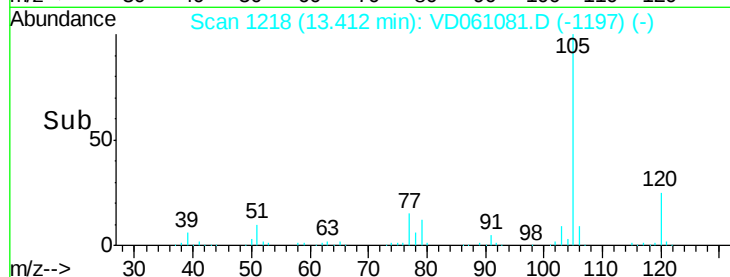
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 17.620 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Tgt Ion: 43 Resp: 149408

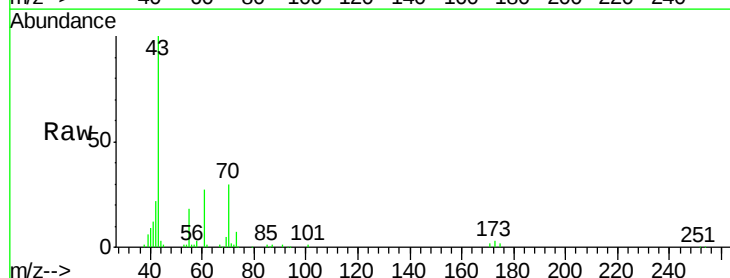
Ion Ratio Lower Upper

43 100

70 30.3 27.7 41.5

55 18.2 16.2 24.2

61 27.0 22.3 33.5



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

13.27

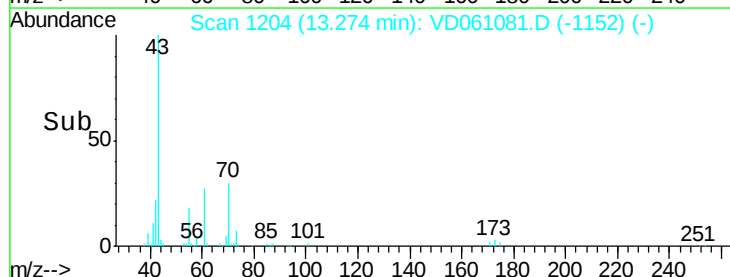
150000

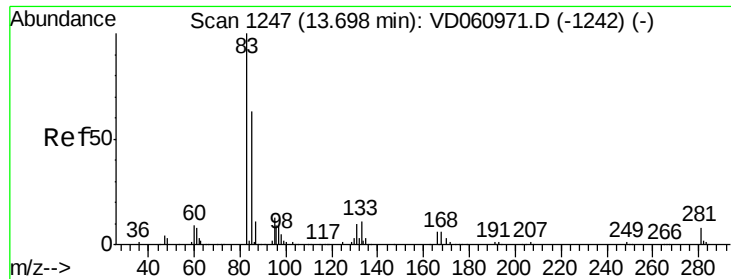
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 18.337 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

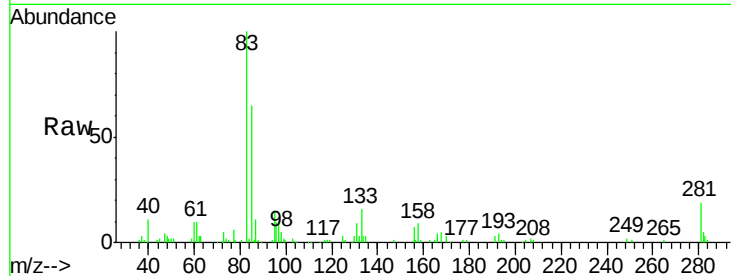
MSVOA\_D

ClientSampleId :

VD0315SBS01

Tot Ion: 83 Resp: 107738

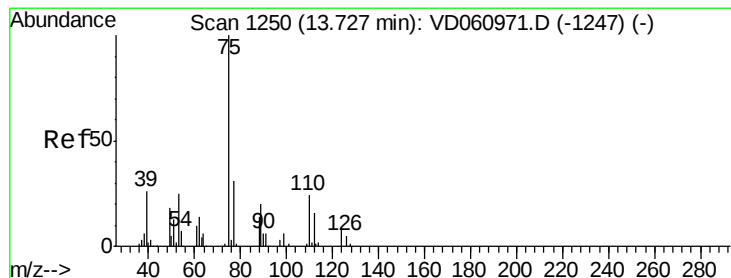
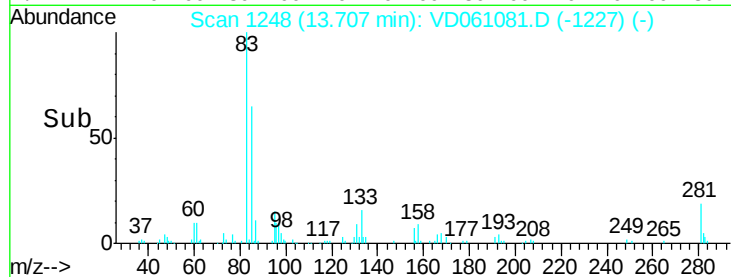
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 8.6   | 5.1   | 15.3  |
| 85  | 64.9  | 31.5  | 94.5  |



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 17.891 ug/l

RT: 13.75 min Scan# 1252

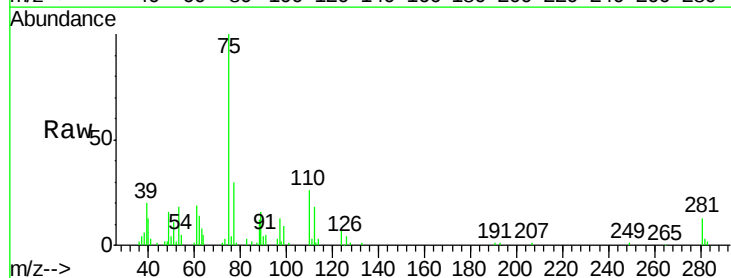
Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

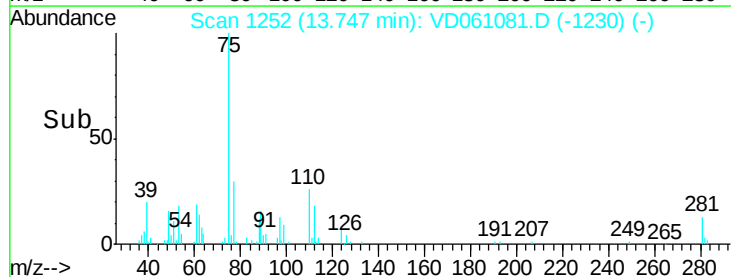
Tgt Ion: 75 Resp: 107557

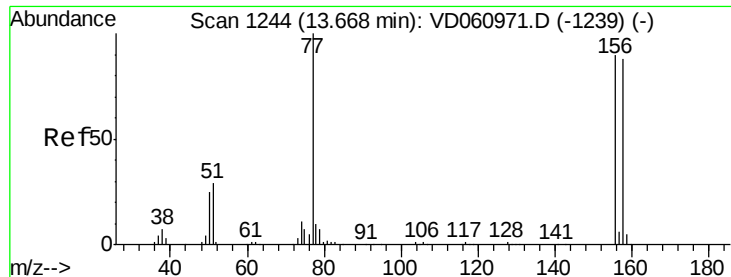
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 30.5  | 16.6  | 49.7  |



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

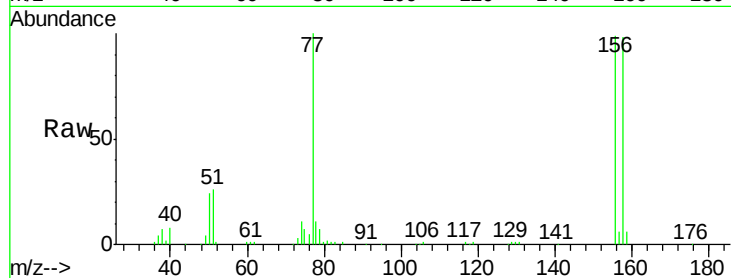




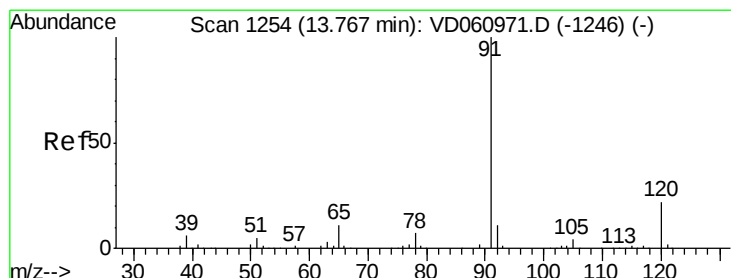
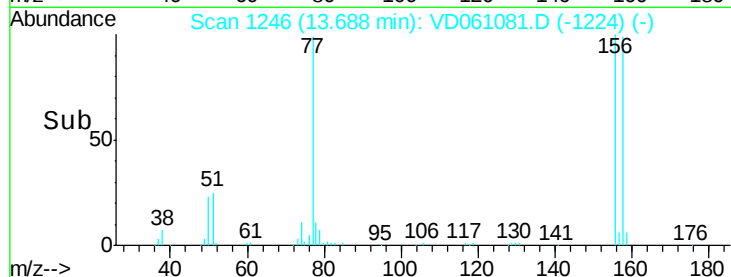
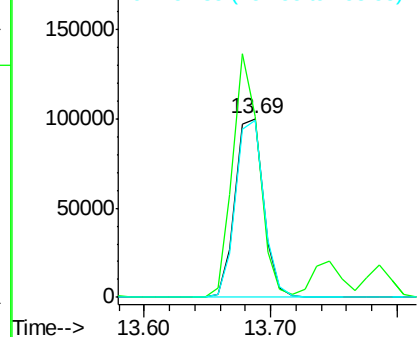
#77  
Bromobenzene  
Concen: 20.308 ug/l  
RT: 13.69 min Scan# 1246  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

Tot Ion:156 Resp: 156113  
Ion Ratio Lower Upper  
156 100  
77 100.8 55.5 166.7  
158 98.9 49.0 147.0

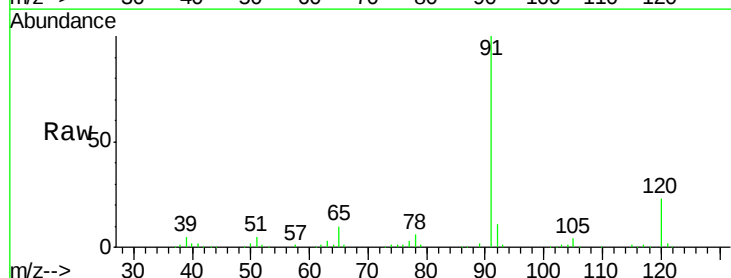


Abundance Ion 155.90 (155.60 to 156.60): V  
Ion 76.95 (76.65 to 77.65): V  
Ion 157.85 (157.55 to 158.55): V

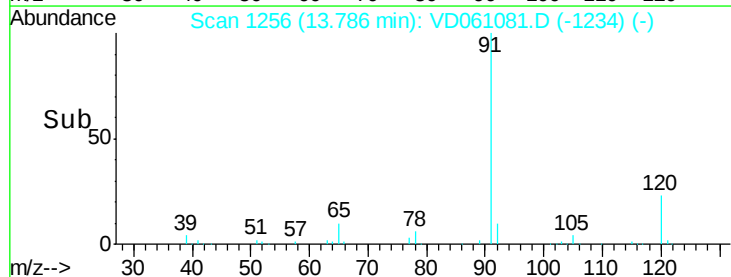
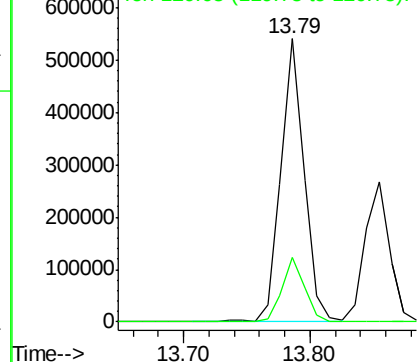


#78  
n-propylbenzene  
Concen: 19.739 ug/l  
RT: 13.79 min Scan# 1256  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion: 91 Resp: 695889  
Ion Ratio Lower Upper  
91 100  
120 22.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V  
Ion 120.05 (119.75 to 120.75): V

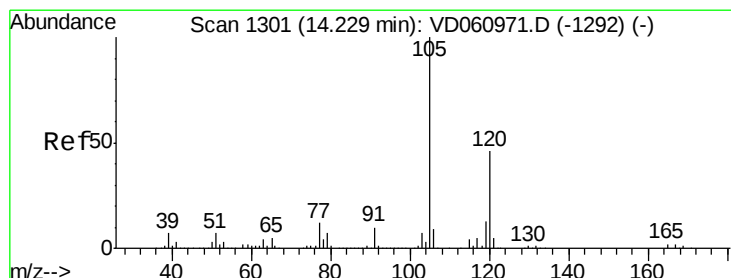
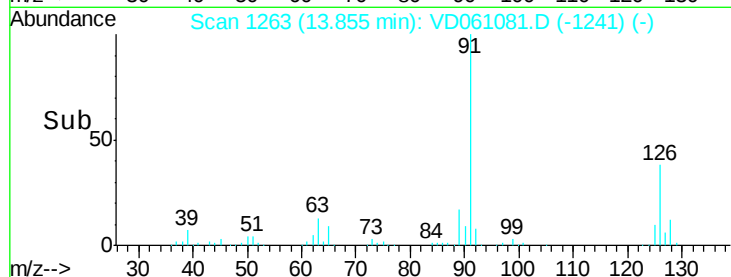
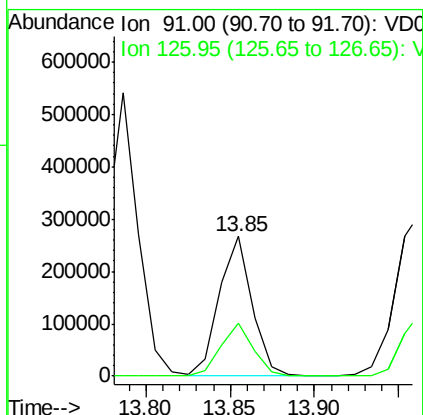
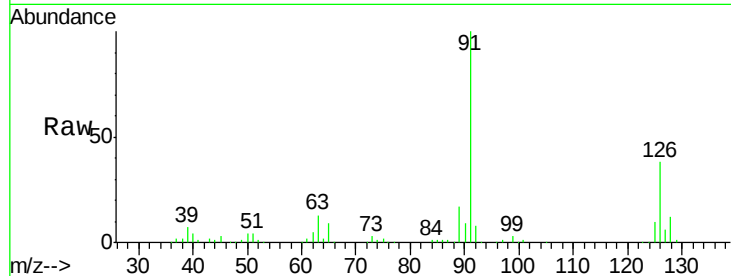




#79  
 2-Chlorotoluene  
 Concen: 18.429 ug/l  
 RT: 13.85 min Scan# 1263  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

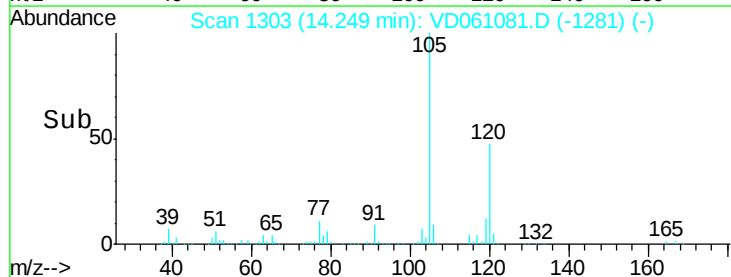
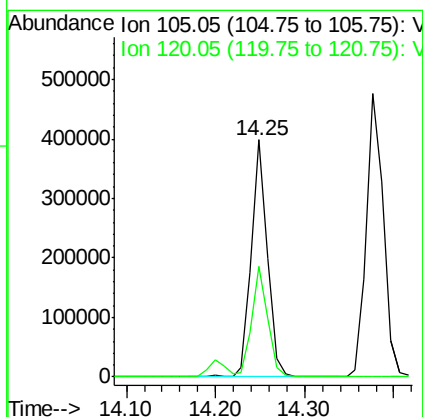
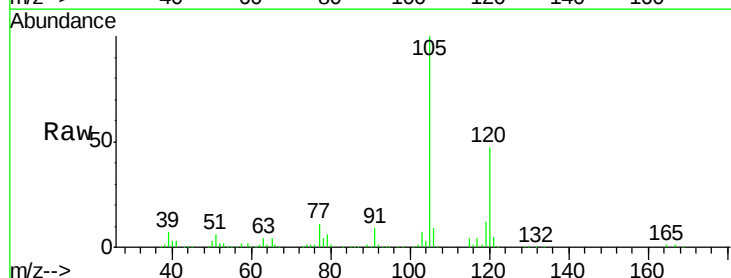
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

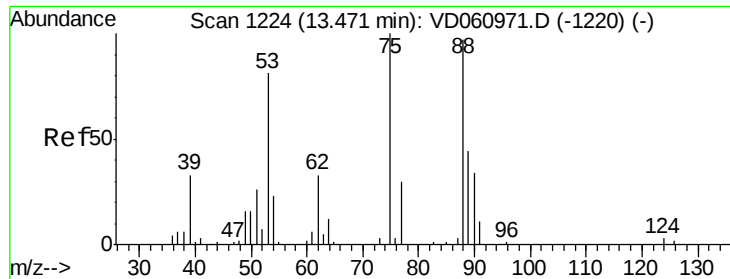
Tot Ion: 91 Resp: 357686  
 Ion Ratio Lower Upper  
 91 100  
 126 37.8 18.6 55.6



#80  
 1,3,5-Trimethylbenzene  
 Concen: 21.518 ug/l  
 RT: 14.25 min Scan# 1303  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 105 Resp: 491925  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.279 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

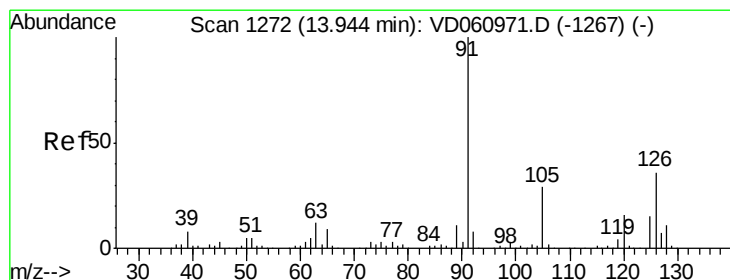
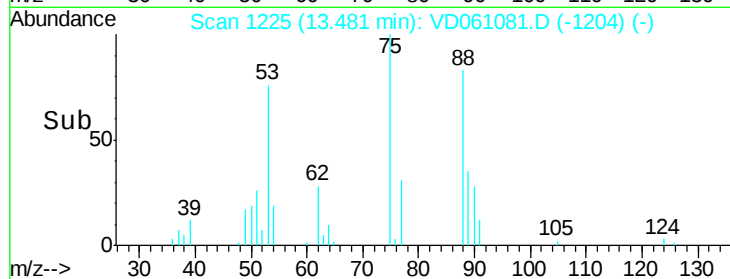
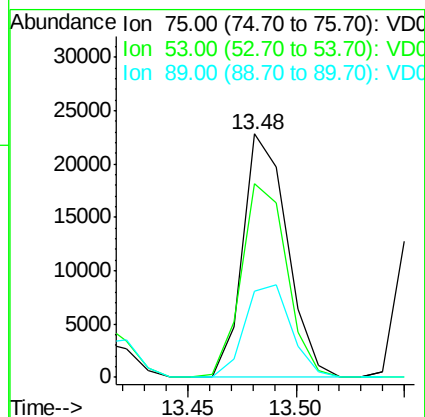
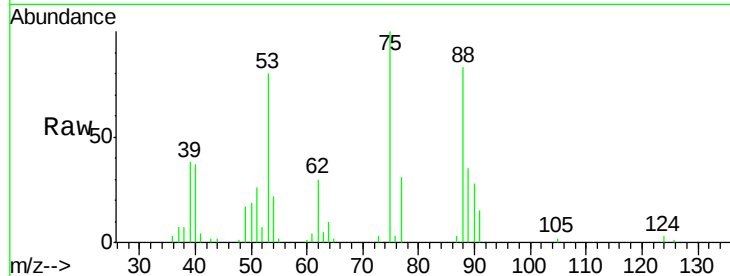
Tot Ion: 75 Resp: 32397

Ion Ratio Lower Upper

75 100

53 79.5 64.4 96.6

89 35.3 34.8 52.2



#82

4-Chlorotoluene

Concen: 20.421 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD061081.D

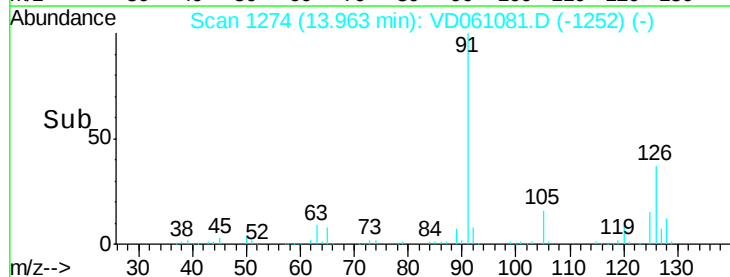
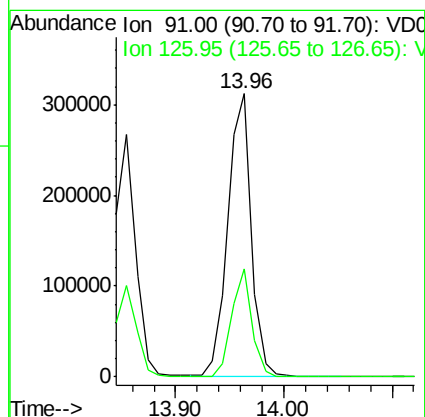
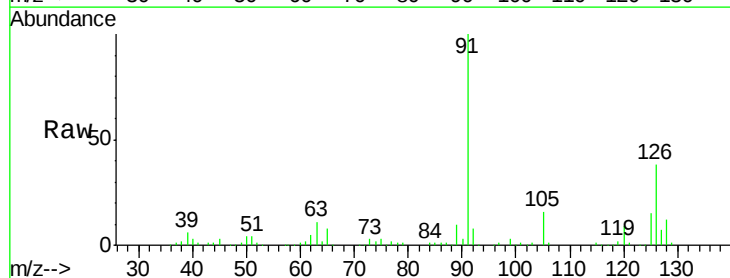
Acq: 15 Mar 2019 12:30

Tgt Ion: 91 Resp: 468567

Ion Ratio Lower Upper

91 100

126 38.0 18.0 54.0





#83

tert-Butylbenzene

Concen: 21.337 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

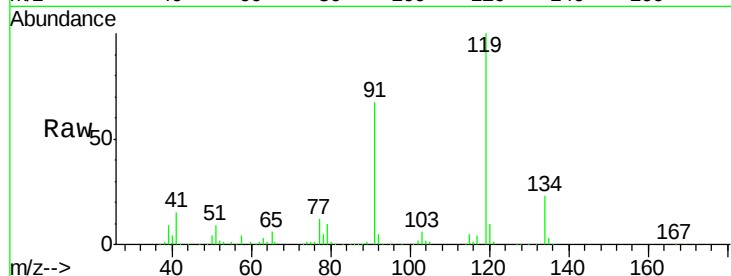
Tot Ion:119 Resp: 533826

Ion Ratio Lower Upper

119 100

91 67.0 30.1 90.3

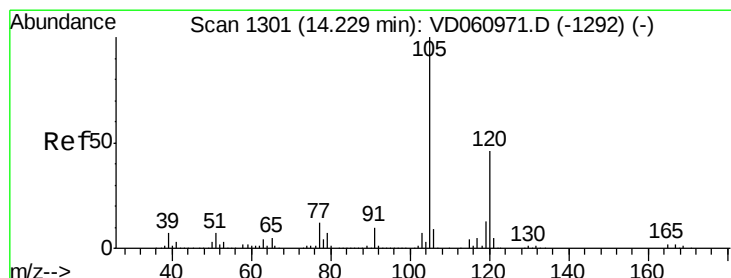
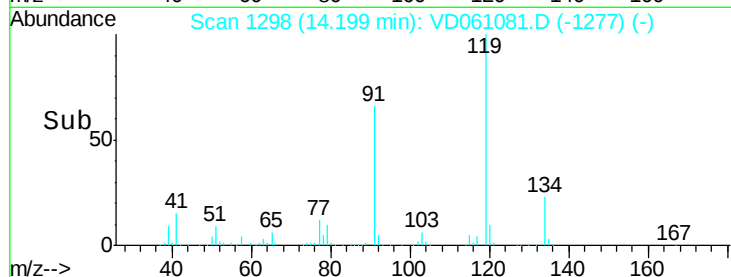
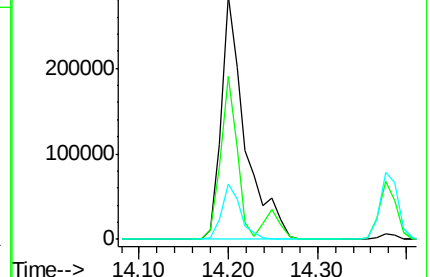
134 23.0 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.518 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD061081.D

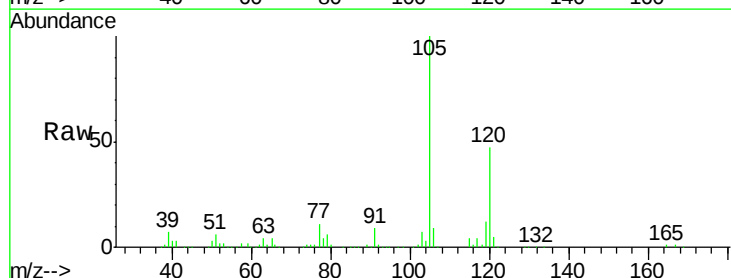
Acq: 15 Mar 2019 12:30

Tgt Ion:105 Resp: 491925

Ion Ratio Lower Upper

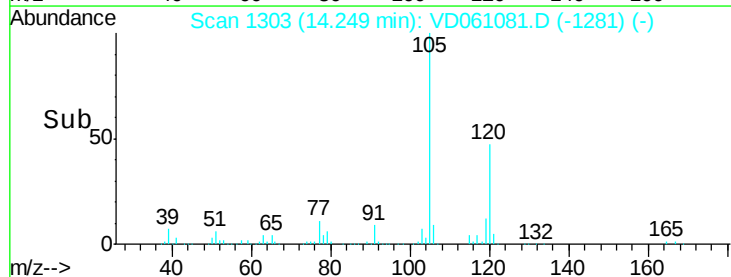
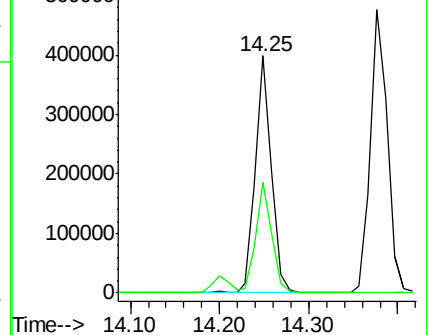
105 100

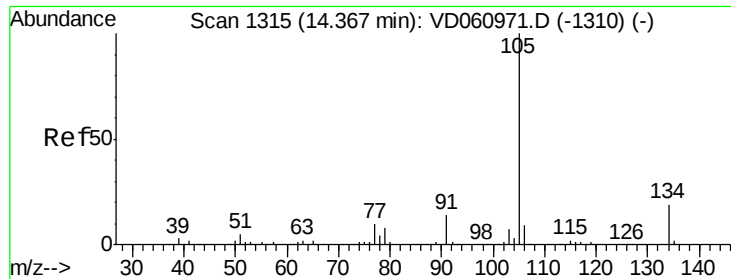
120 46.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

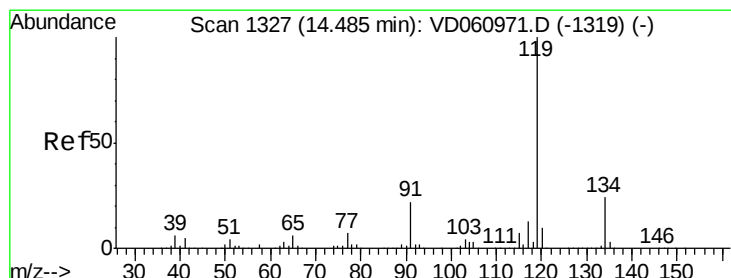
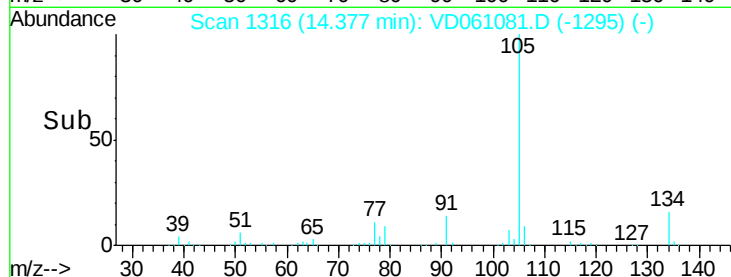
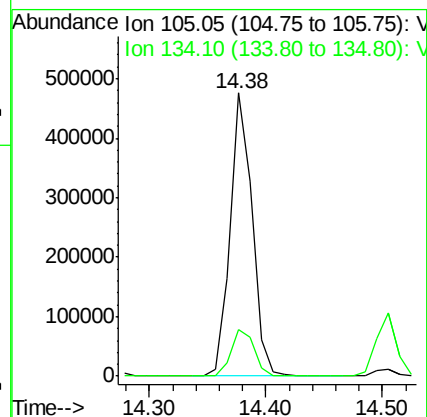
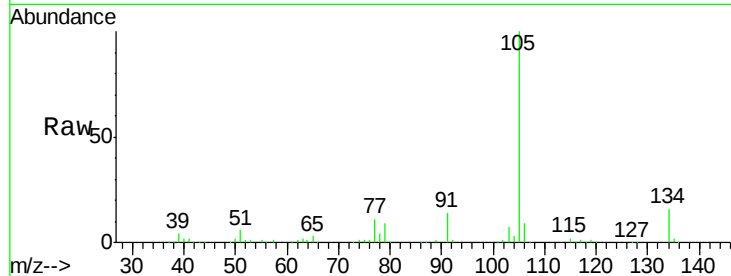




#85  
 sec-Butylbenzene  
 Concen: 20.286 ug/l  
 RT: 14.38 min Scan# 1316  
 Delta R.T. 0.01 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

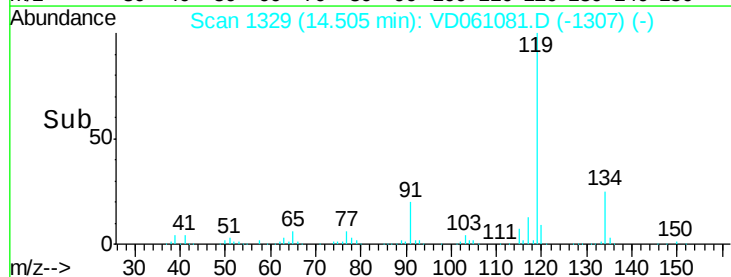
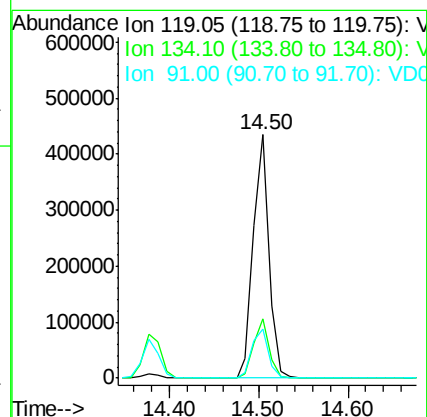
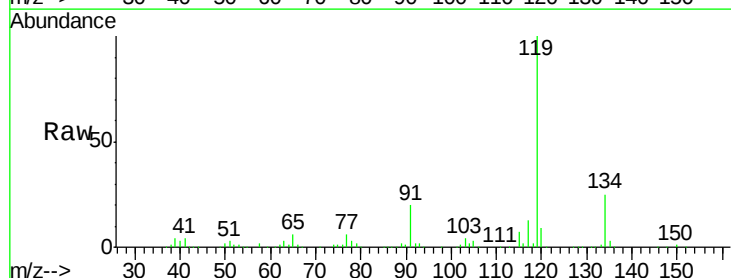
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VD0315SBS01

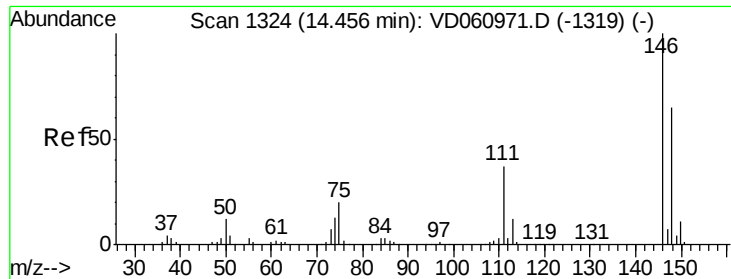
Tot Ion:105 Resp: 619619  
 Ion Ratio Lower Upper  
 105 100  
 134 16.5 9.4 28.2



#86  
 p-Isopropyltoluene  
 Concen: 21.104 ug/l  
 RT: 14.50 min Scan# 1329  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion:119 Resp: 526885  
 Ion Ratio Lower Upper  
 119 100  
 134 24.6 12.0 36.1  
 91 20.4 11.2 33.6

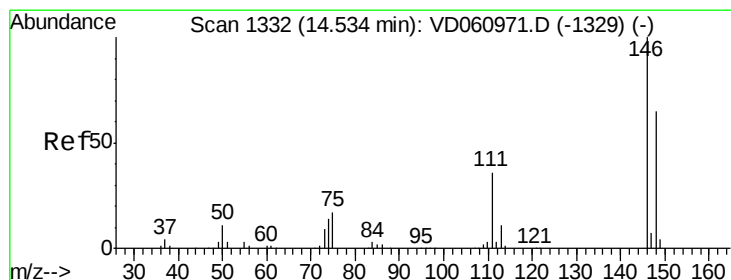
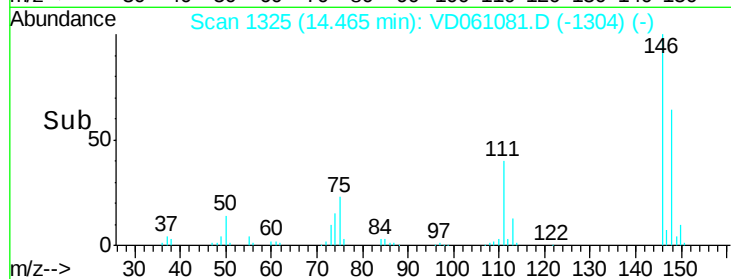
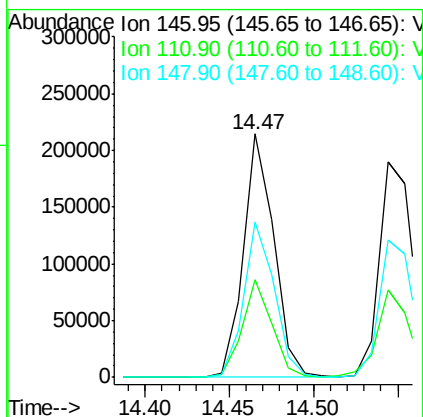
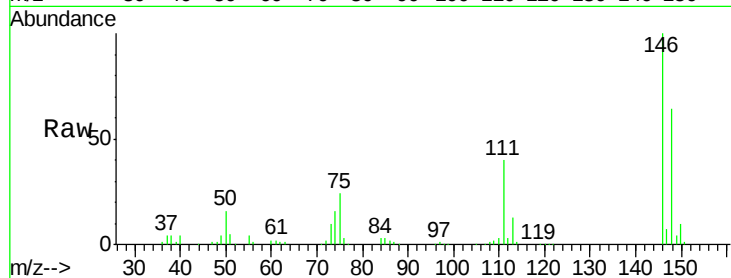




#87  
 1,3-Dichlorobenzene  
 Concen: 19.680 ug/l  
 RT: 14.47 min Scan# 1325  
 Delta R.T. 0.01 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

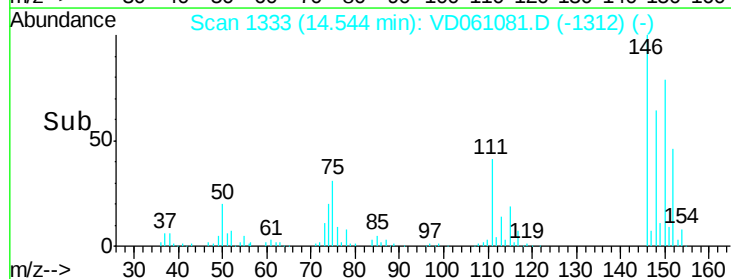
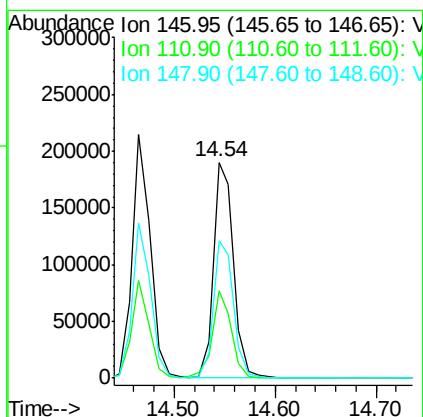
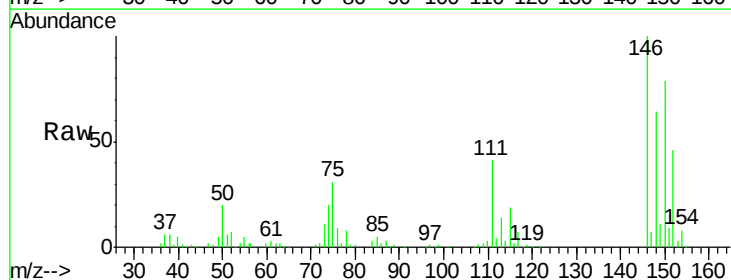
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

Tot Ion:146 Resp: 270148  
 Ion Ratio Lower Upper  
 146 100  
 111 40.3 18.4 55.4  
 148 63.8 32.5 97.4



#88  
 1,4-Dichlorobenzene  
 Concen: 19.650 ug/l  
 RT: 14.54 min Scan# 1333  
 Delta R.T. 0.01 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion:146 Resp: 265054  
 Ion Ratio Lower Upper  
 146 100  
 111 40.6 18.4 55.2  
 148 63.8 32.5 97.5

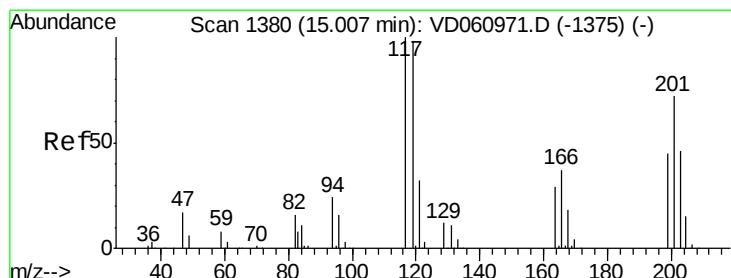
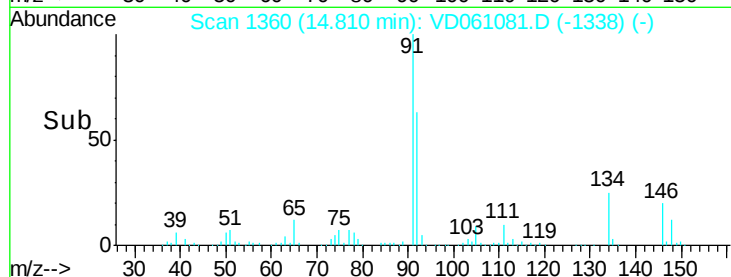
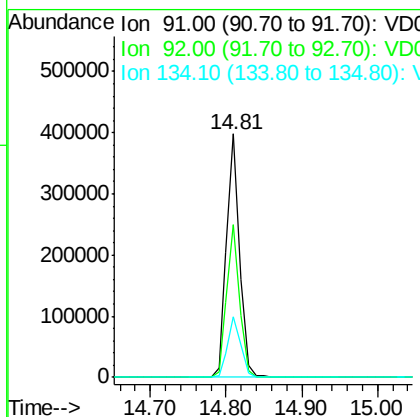
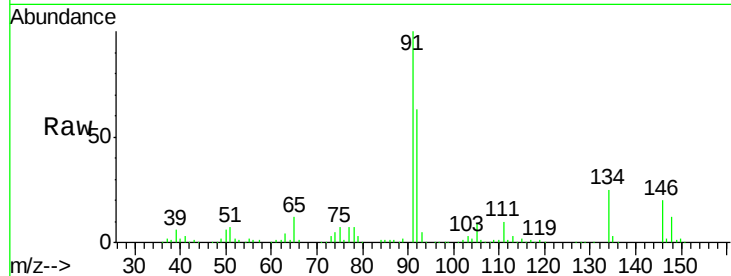




#89  
n-Butylbenzene  
Concen: 19.863 ug/l  
RT: 14.81 min Scan# 1360  
Delta R.T. 0.02 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

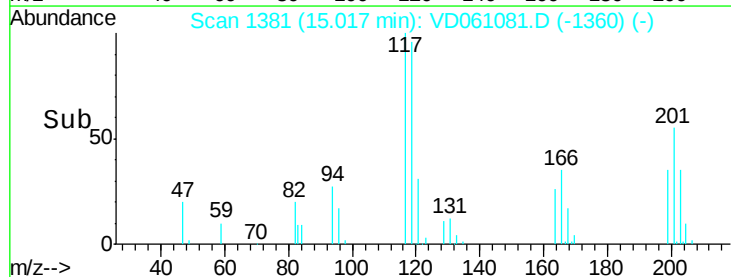
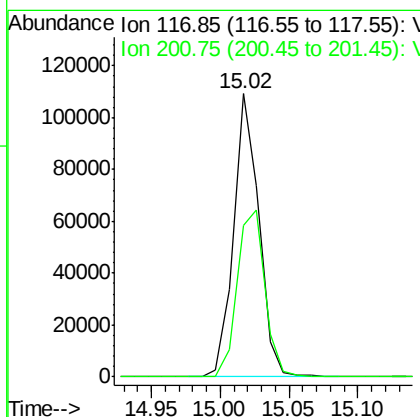
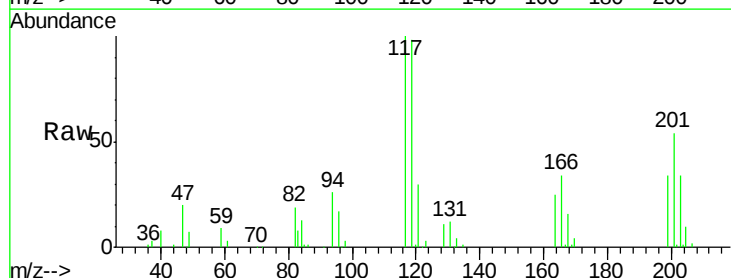
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0315SBS01

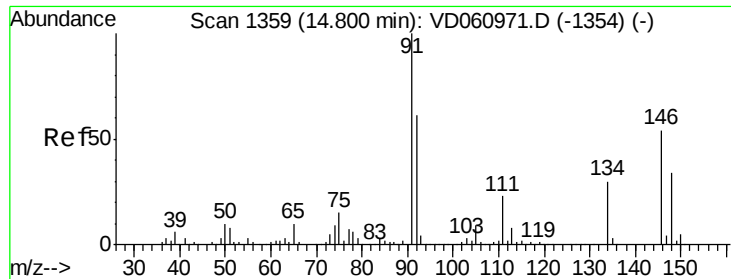
Tot Ion: 91 Resp: 476241  
Ion Ratio Lower Upper  
91 100  
92 62.9 30.6 91.8  
134 24.8 11.0 33.0



#90  
Hexachloroethane  
Concen: 19.705 ug/l  
RT: 15.02 min Scan# 1381  
Delta R.T. 0.01 min  
Lab File: VD061081.D  
Acq: 15 Mar 2019 12:30

Tgt Ion: 117 Resp: 138915  
Ion Ratio Lower Upper  
117 100  
201 53.6 36.2 108.6

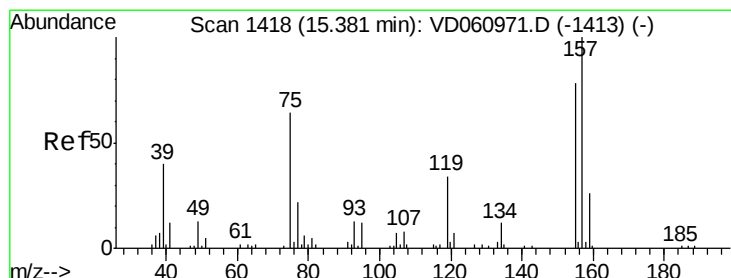
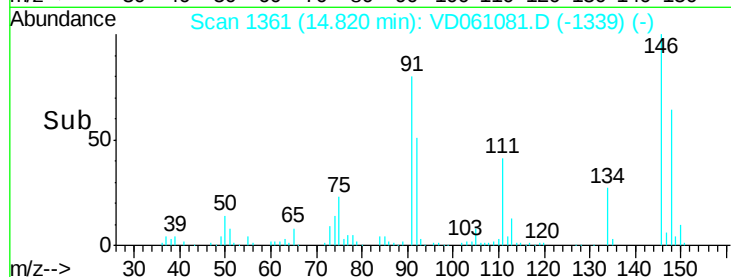
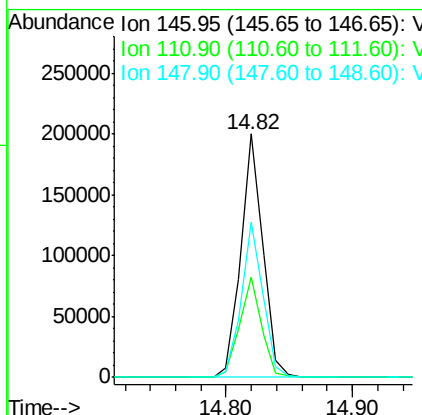
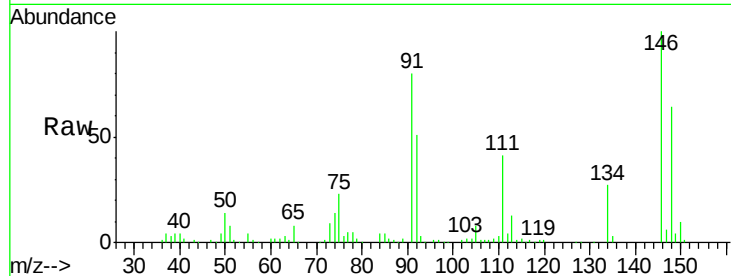




#91  
 1,2-Dichlorobenzene  
 Concen: 21.034 ug/l  
 RT: 14.82 min Scan# 1361  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

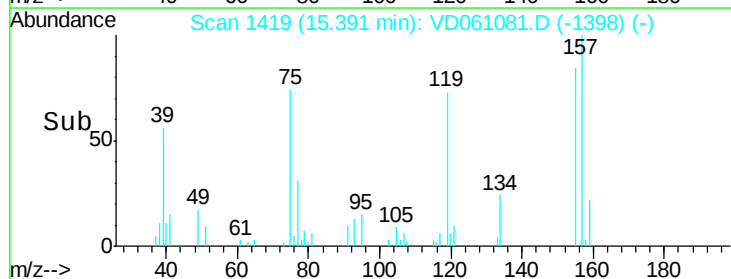
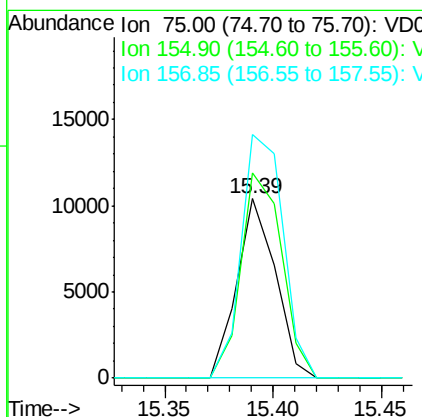
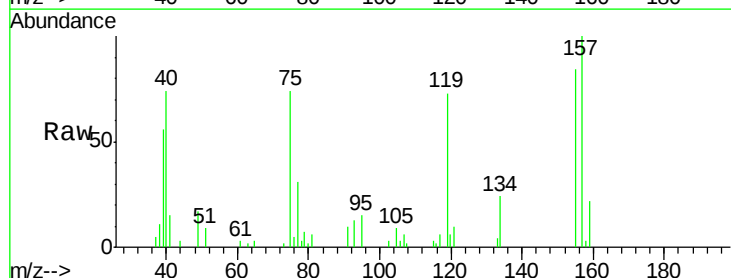
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

Tot Ion:146 Resp: 240703  
 Ion Ratio Lower Upper  
 146 100  
 111 41.1 21.5 64.5  
 148 63.6 30.9 92.8



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 18.145 ug/l  
 RT: 15.39 min Scan# 1419  
 Delta R.T. 0.01 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion: 75 Resp: 12847  
 Ion Ratio Lower Upper  
 75 100  
 155 114.3 61.2 183.5  
 157 136.0 78.3 234.8

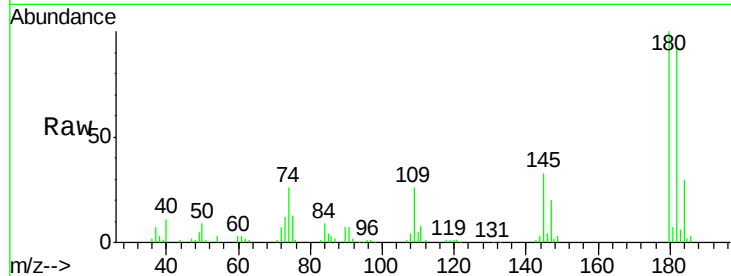




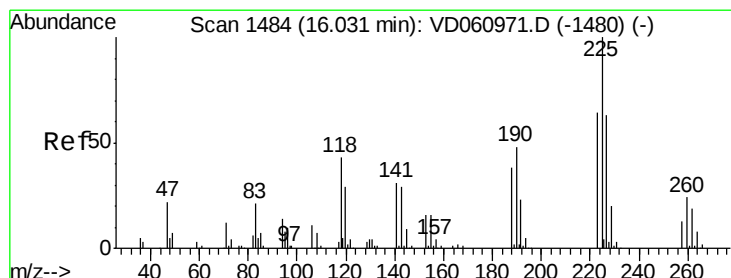
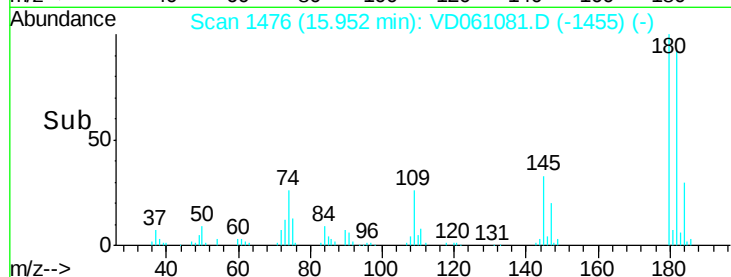
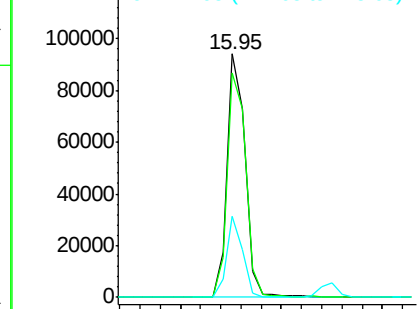
#93  
 1,2,4-Trichlorobenzene  
 Concen: 22.169 ug/l  
 RT: 15.95 min Scan# 1476  
 Delta R.T. 0.01 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0315SBS01

Tot Ion:180 Resp: 117688  
 Ion Ratio Lower Upper  
 180 100  
 182 92.4 47.3 142.0  
 145 33.1 14.4 43.0

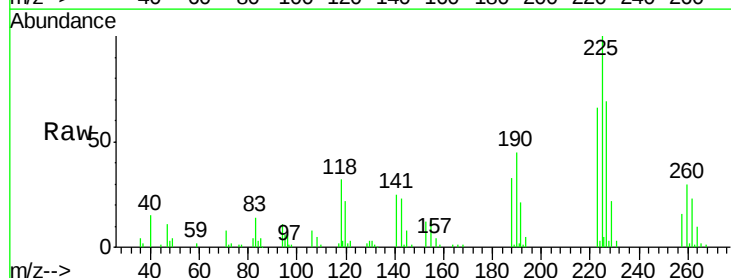


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

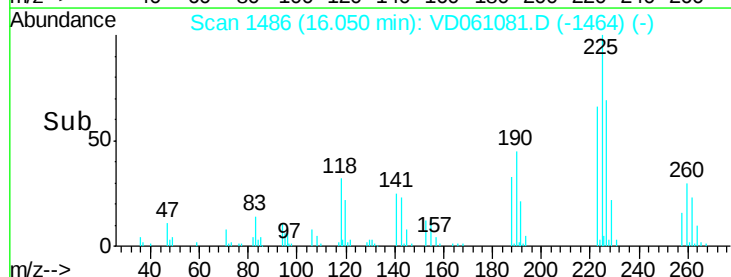
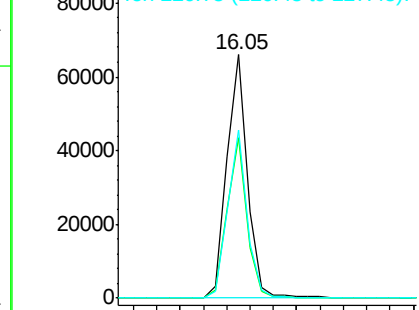


#94  
 Hexachlorobutadiene  
 Concen: 20.025 ug/l  
 RT: 16.05 min Scan# 1486  
 Delta R.T. 0.02 min  
 Lab File: VD061081.D  
 Acq: 15 Mar 2019 12:30

Tgt Ion:225 Resp: 80406  
 Ion Ratio Lower Upper  
 225 100  
 223 66.0 31.8 95.3  
 227 69.1 31.4 94.0



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.392 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA\_D

ClientSampleId :

VD0315SBS01

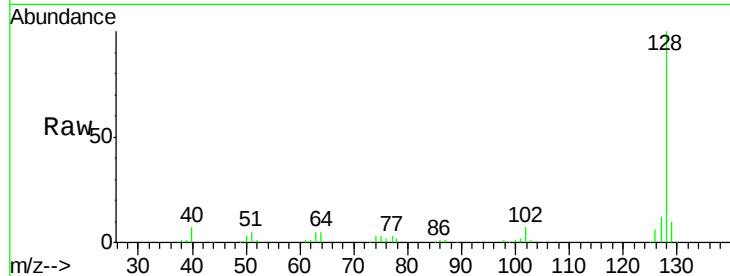
Tot Ion:128 Resp: 172573

Ion Ratio Lower Upper

128 100

127 11.7 9.8 14.8

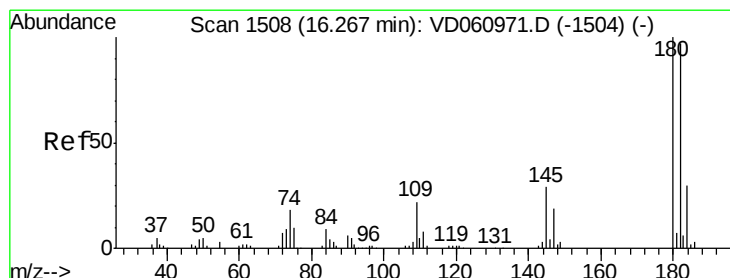
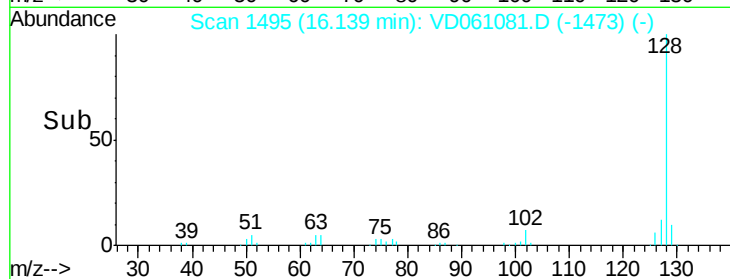
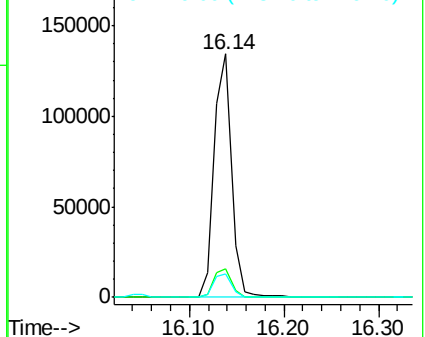
129 9.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.059 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

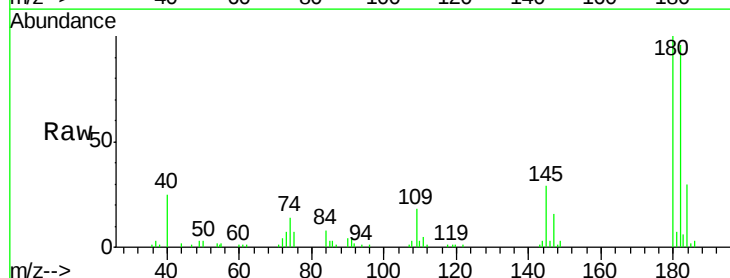
Tgt Ion:180 Resp: 60460

Ion Ratio Lower Upper

180 100

182 95.8 48.6 145.8

145 28.9 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

