

Data File : VD062230.D  
Acq On : 11 May 2019 11:55  
Operator : FY/SY  
Sample : VD0511SBS01  
Misc : 5.00g/5mL/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Quant Time: May 11 22:19:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 07 14:26:29 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.04  | 168  | 834201   | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.21  | 114  | 1140499  | 50.00 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 954988   | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 467720   | 50.00 | ug/l  | 0.01     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 7.45   | 65  | 357076   | 46.06 | ug/l   | 0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.12% |      |
| 35) Dibromofluoromethane    | 6.92   | 113 | 452610   | 47.83 | ug/l   | 0.03 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.66% |      |
| 50) Toluene-d8              | 10.41  | 98  | 1040684  | 45.61 | ug/l   | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.22% |      |
| 62) 4-Bromofluorobenzene    | 13.56  | 95  | 436607   | 47.65 | ug/l   | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.30% |      |

| Target Compounds              |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85  | 165275  | 20.715  | ug/l   | 96     |
| 3) Chloromethane              | 1.76 | 50  | 111186  | 19.286  | ug/l   | 96     |
| 4) Vinyl Chloride             | 1.86 | 62  | 111552  | 19.689  | ug/l   | 96     |
| 5) Bromomethane               | 2.15 | 94  | 34030   | 25.633  | ug/l   | 98     |
| 6) Chloroethane               | 2.26 | 64  | 51284   | 21.571  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 2.53 | 101 | 246123  | 22.344  | ug/l   | 99     |
| 8) Diethyl Ether              | 2.88 | 74  | 37367   | 17.590  | ug/l   | 88     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.14 | 101 | 189300  | 22.718  | ug/l   | 96     |
| 10) Methyl Iodide             | 3.30 | 142 | 204043  | 16.202  | ug/l # | 88     |
| 11) Tert butyl alcohol        | 4.07 | 59  | 37596   | 95.008  | ug/l # | 86     |
| 12) 1,1-Dichloroethene        | 3.12 | 96  | 137512  | 21.619  | ug/l   | 92     |
| 13) Acrolein                  | 3.04 | 56  | 39554   | 96.641  | ug/l   | 96     |
| 14) Allyl chloride            | 3.62 | 41  | 183286  | 19.818  | ug/l   | 90     |
| 15) Acrylonitrile             | 4.20 | 53  | 102201  | 98.259  | ug/l   | 91     |
| 16) Acetone                   | 3.22 | 43  | 186667  | 114.819 | ug/l   | 91     |
| 17) Carbon Disulfide          | 3.38 | 76  | 342574  | 18.722  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.65 | 43  | 51129   | 17.386  | ug/l   | 97     |
| 19) Methyl tert-butyl Ether   | 4.24 | 73  | 274406  | 20.127  | ug/l   | 94     |
| 20) Methylene Chloride        | 3.81 | 84  | 144204  | 21.244  | ug/l   | 90     |
| 21) trans-1,2-Dichloroethene  | 4.22 | 96  | 142399  | 20.119  | ug/l   | 96     |
| 22) Diisopropyl ether         | 5.11 | 45  | 405448  | 20.602  | ug/l # | 86     |
| 23) Vinyl Acetate             | 5.05 | 43  | 1110581 | 106.956 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.98 | 63  | 240813  | 20.283  | ug/l   | 99     |
| 25) 2-Butanone                | 6.08 | 43  | 180479  | 101.776 | ug/l   | 96     |
| 26) 2,2-Dichloropropane       | 6.02 | 77  | 265647  | 22.462  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.04 | 96  | 155276  | 19.599  | ug/l   | 97     |
| 28) Bromochloromethane        | 6.43 | 49  | 109955  | 23.540  | ug/l   | 86     |
| 29) Tetrahydrofuran           | 6.46 | 42  | 78925   | 96.596  | ug/l   | 95     |
| 30) Chloroform                | 6.67 | 83  | 305800  | 21.372  | ug/l   | 99     |
| 31) Cyclohexane               | 6.96 | 56  | 159169  | 19.569  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.86 | 97  | 319314  | 23.611  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 7.15 | 75  | 213018  | 22.780  | ug/l   | 96     |
| 37) Ethyl Acetate             | 6.18 | 43  | 80777   | 20.369  | ug/l # | 91     |
| 38) Carbon Tetrachloride      | 7.11 | 117 | 295912  | 22.863  | ug/l   | 100    |

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Quant Time: May 11 22:19:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 07 14:26:29 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.86  | 83   | 188036   | 20.988  | ug/l   | 97       |
| 40) Benzene                    | 7.45  | 78   | 437405   | 20.715  | ug/l   | 97       |
| 41) Methacrylonitrile          | 6.45  | 41   | 103705   | 21.399  | ug/l # | 86       |
| 42) 1,2-Dichloroethane         | 7.58  | 62   | 200213   | 22.379  | ug/l   | 94       |
| 43) Isopropyl Acetate          | 9.24  | 43   | 112135   | 19.938  | ug/l   | 92       |
| 44) Trichloroethene            | 8.54  | 130  | 165101   | 20.519  | ug/l   | 90       |
| 45) 1,2-Dichloropropane        | 8.94  | 63   | 109219   | 20.911  | ug/l   | 100      |
| 46) Dibromomethane             | 9.07  | 93   | 87921    | 20.701  | ug/l   | 93       |
| 47) Bromodichloromethane       | 9.37  | 83   | 231412   | 22.275  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.12  | 41   | 70030    | 20.215  | ug/l # | 85       |
| 49) 1,4-Dioxane                | 9.08  | 88   | 13805    | 369.339 | ug/l # | 63       |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 361257   | 99.926  | ug/l   | 96       |
| 52) Toluene                    | 10.51 | 92   | 302048   | 21.985  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.91 | 75   | 193852   | 21.590  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.03 | 75   | 207059   | 21.138  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane      | 11.19 | 97   | 96248    | 19.800  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 11.04 | 69   | 98096    | 19.420  | ug/l # | 85       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 154576   | 21.048  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.86  | 63   | 284436   | 103.085 | ug/l   | 99       |
| 59) 2-Hexanone                 | 11.53 | 43   | 286879   | 107.664 | ug/l   | 92       |
| 60) Dibromochloromethane       | 11.69 | 129  | 178023   | 21.191  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.80 | 107  | 122336   | 20.700  | ug/l   | 93       |
| 64) Tetrachloroethene          | 11.25 | 164  | 161557   | 21.634  | ug/l   | 96       |
| 65) Chlorobenzene              | 12.39 | 112  | 378078   | 21.256  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 162316   | 20.968  | ug/l   | 95       |
| 67) Ethyl Benzene              | 12.52 | 91   | 639266   | 21.468  | ug/l   | 95       |
| 68) m/p-Xylenes                | 12.67 | 106  | 445934   | 41.161  | ug/l   | 95       |
| 69) o-Xylene                   | 13.04 | 106  | 228470   | 22.683  | ug/l   | 89       |
| 70) Styrene                    | 13.07 | 104  | 363969   | 21.332  | ug/l   | 98       |
| 71) Bromoform                  | 13.23 | 173  | 115167   | 21.384  | ug/l   | 99       |
| 73) Isopropylbenzene           | 13.40 | 105  | 682314   | 24.337  | ug/l   | 96       |
| 74) N-amyl acetate             | 13.26 | 43   | 147894   | 20.120  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.69 | 83   | 109859   | 20.698  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 119548   | 21.507  | ug/l   | 96       |
| 77) Bromobenzene               | 13.67 | 156  | 189835   | 24.188  | ug/l   | 93       |
| 78) n-propylbenzene            | 13.77 | 91   | 800619   | 23.939  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 448619   | 23.421  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 531109   | 22.496  | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-buten | 13.47 | 75   | 30535    | 19.459  | ug/l # | 87       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 550238   | 24.412  | ug/l   | 92       |
| 83) tert-Butylbenzene          | 14.19 | 119  | 602438   | 22.702  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 537151   | 22.673  | ug/l   | 90       |
| 85) sec-Butylbenzene           | 14.36 | 105  | 731187   | 25.131  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 551647   | 21.222  | ug/l   | 93       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 345733   | 24.114  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 299704   | 21.275  | ug/l   | 96       |
| 89) n-Butylbenzene             | 14.80 | 91   | 559166   | 23.966  | ug/l   | 94       |
| 90) Hexachloroethane           | 15.00 | 117  | 161453   | 22.839  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 14.81 | 146  | 273284   | 23.145  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 18640    | 21.394  | ug/l   | 75       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD051119\  
Quantitation Report (QT Reviewed)

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Misc : 5.00g/5mL/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Quant Time: May 11 22:19:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 07 14:26:29 2019  
Response via : Initial Calibration

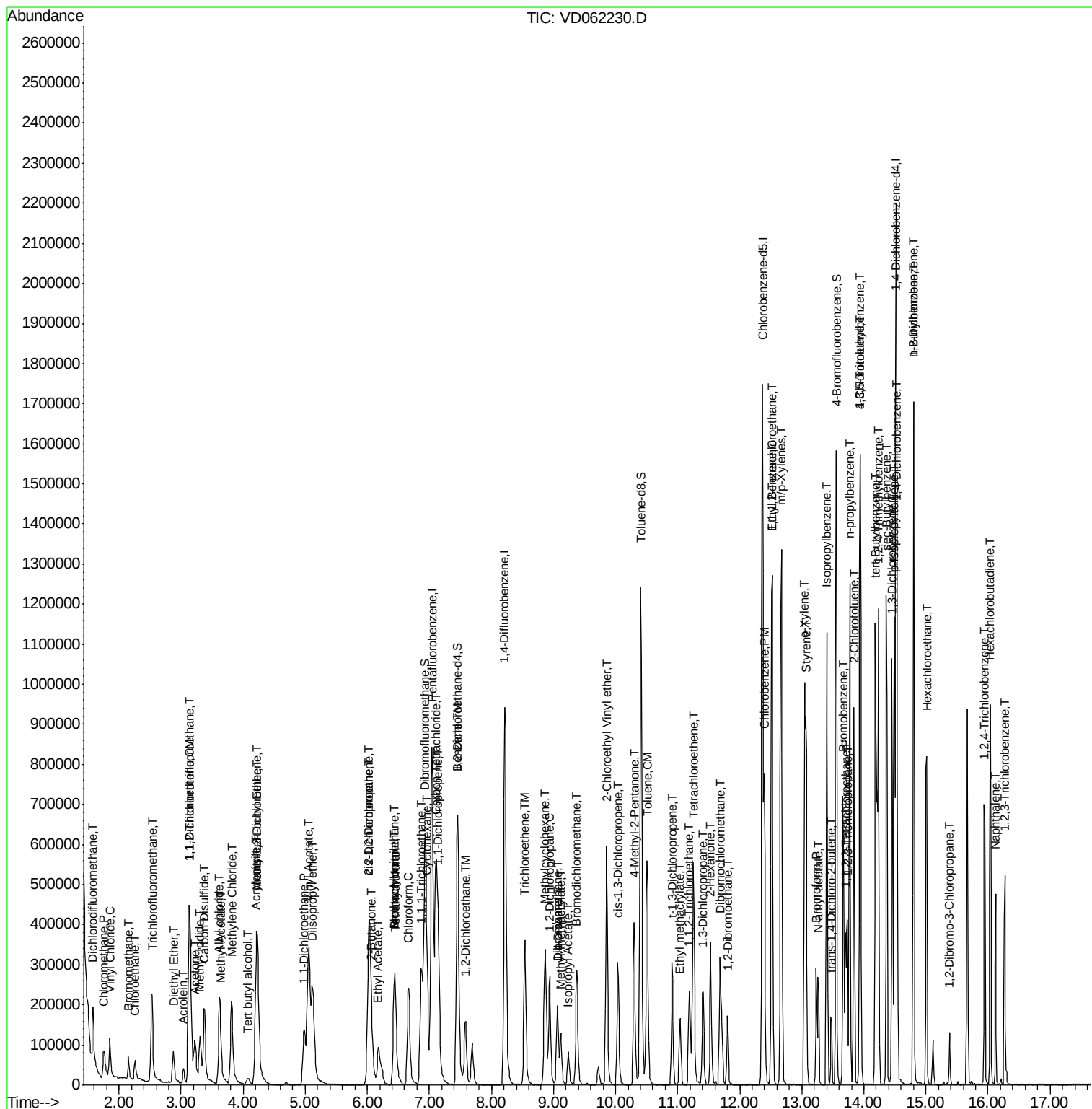
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 199627   | 23.228 | ug/l  | 93       |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 155133   | 24.269 | ug/l  | 99       |
| 95) Naphthalene            | 16.12 | 128  | 277582   | 23.134 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 145666   | 26.957 | ug/l  | 96       |

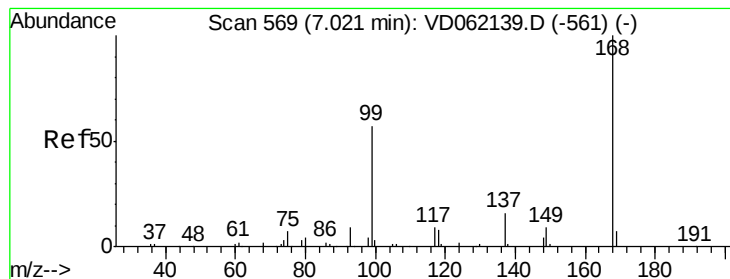
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 11 22:19:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D050719S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 07 14:26:29 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

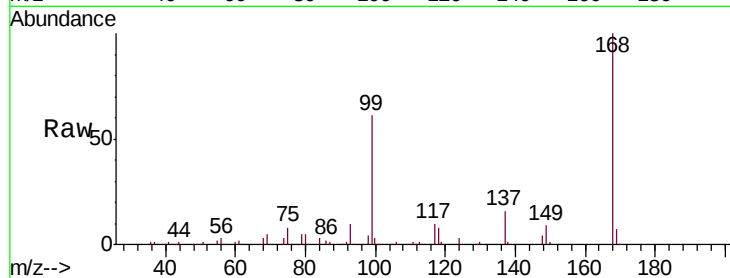
VD0511SBS01

Tgt Ion:168 Resp: 834201

Ion Ratio Lower Upper

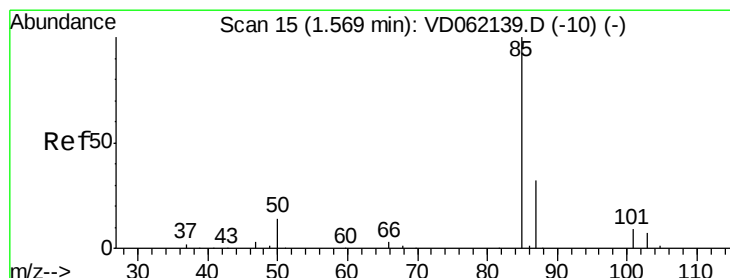
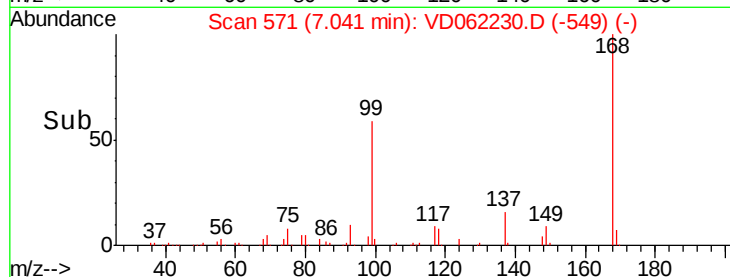
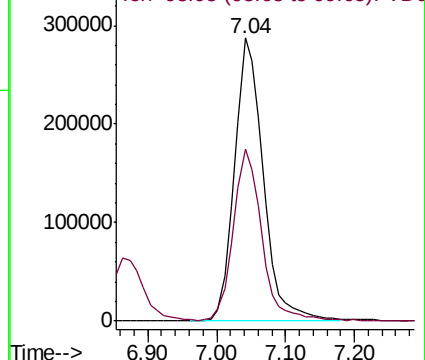
168 100

99 60.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#2

Dichlorodifluoromethane

Concen: 20.715 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062230.D

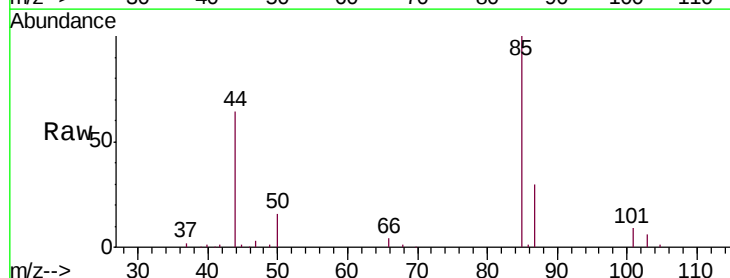
Acq: 11 May 2019 11:55

Tgt Ion: 85 Resp: 165275

Ion Ratio Lower Upper

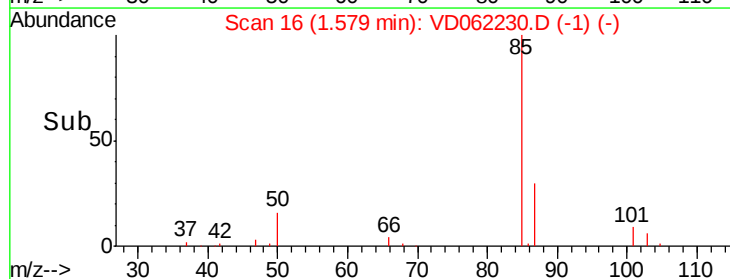
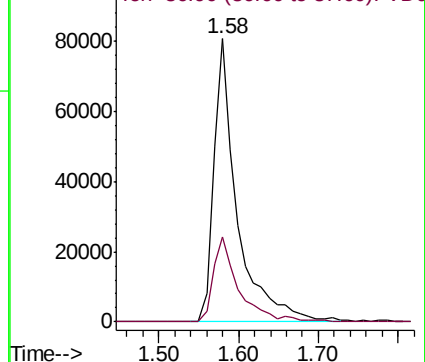
85 100

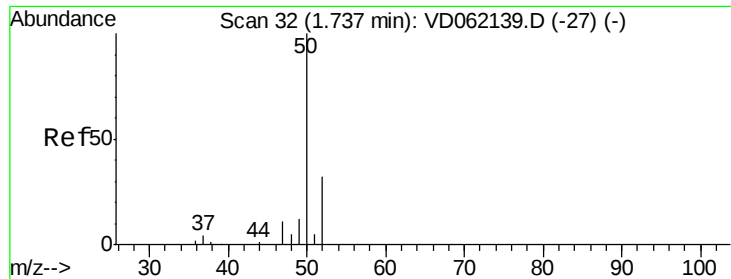
87 30.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): V

Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 19.286 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

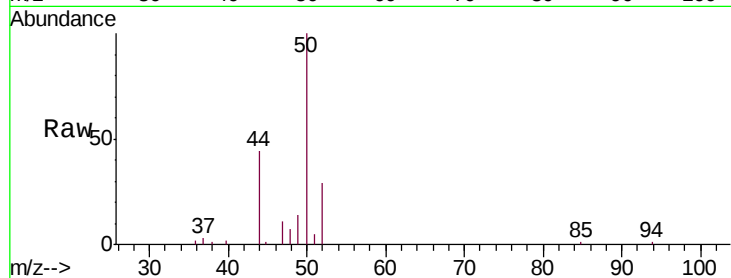
VD0511SBS01

Tgt Ion: 50 Resp: 111186

Ion Ratio Lower Upper

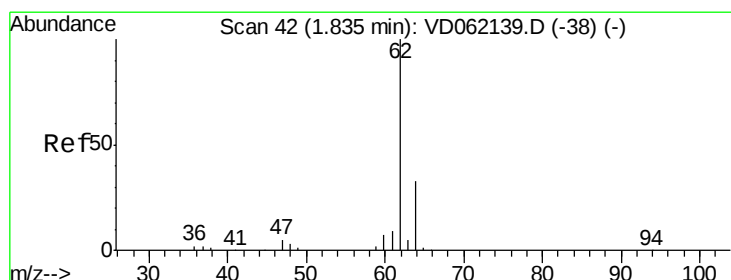
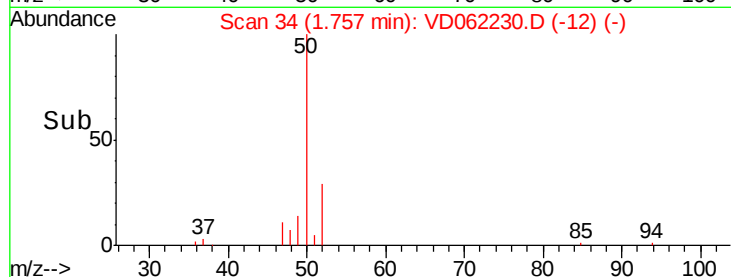
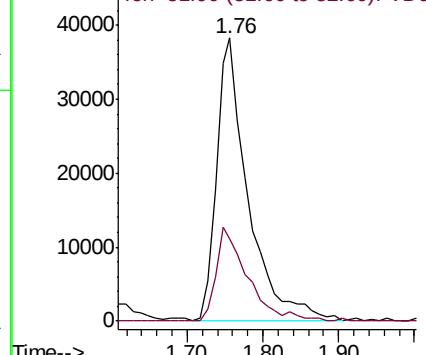
50 100

52 29.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.689 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062230.D

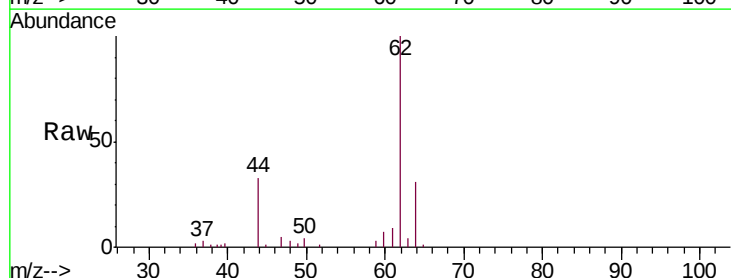
Acq: 11 May 2019 11:55

Tgt Ion: 62 Resp: 111552

Ion Ratio Lower Upper

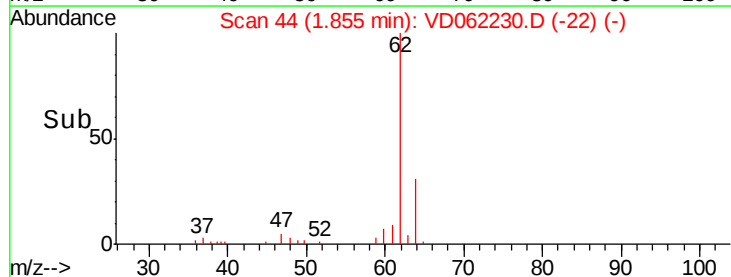
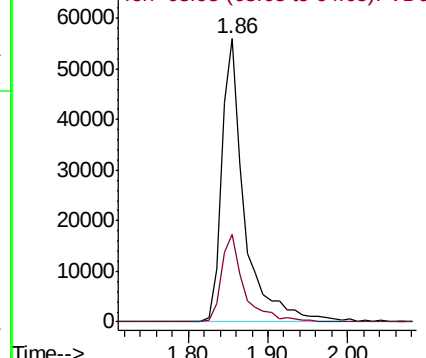
62 100

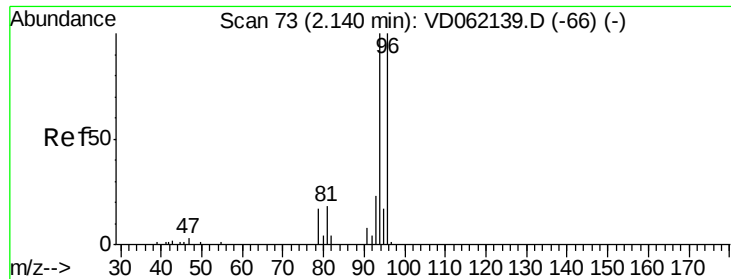
64 30.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 25.633 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

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ClientSampleId :

VD0511SBS01

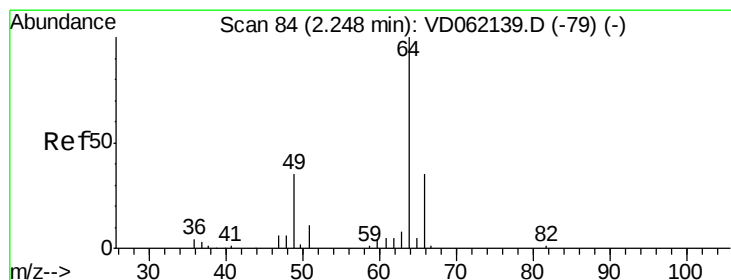
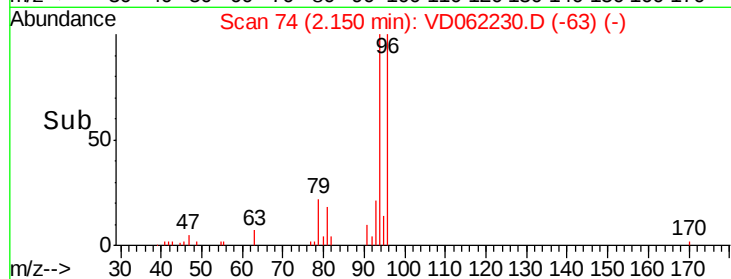
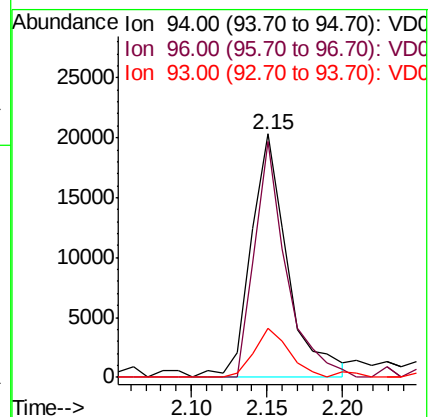
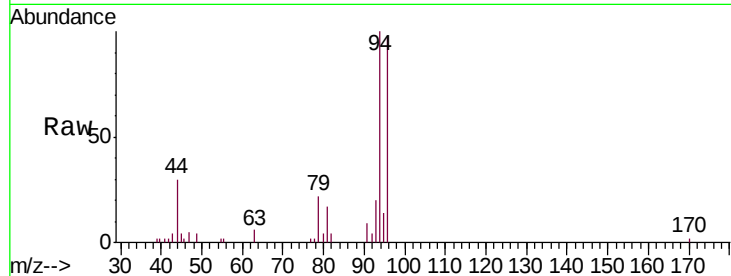
Tgt Ion: 94 Resp: 34030

Ion Ratio Lower Upper

94 100

96 96.7 76.6 115.0

93 20.3 18.5 27.7



#6

Chloroethane

Concen: 21.571 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VD062230.D

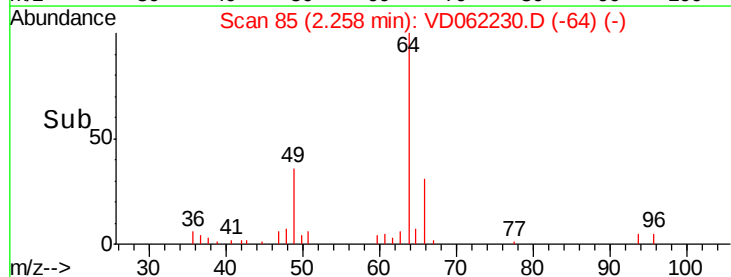
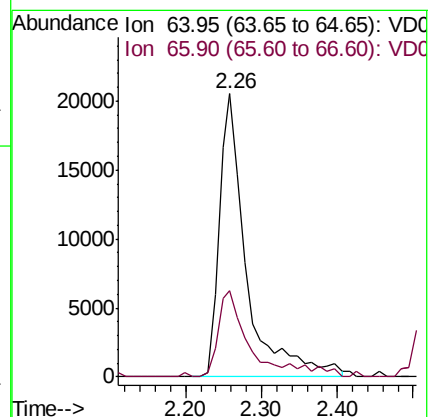
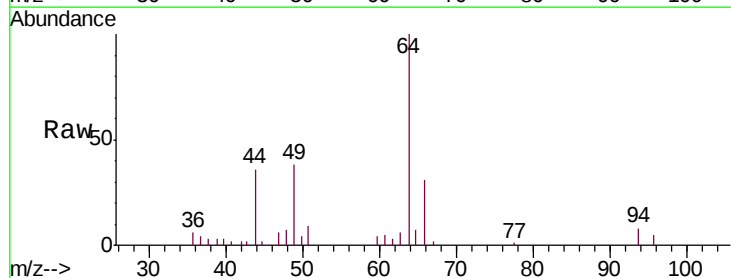
Acq: 11 May 2019 11:55

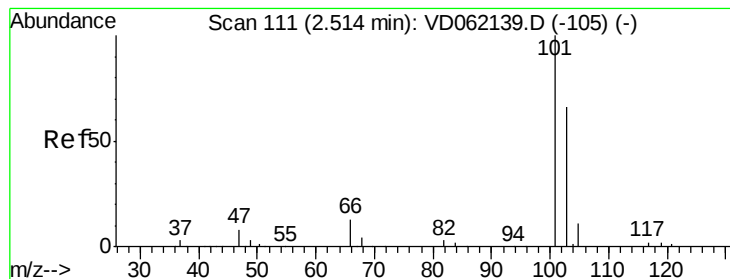
Tgt Ion: 64 Resp: 51284

Ion Ratio Lower Upper

64 100

66 30.7 25.6 38.4



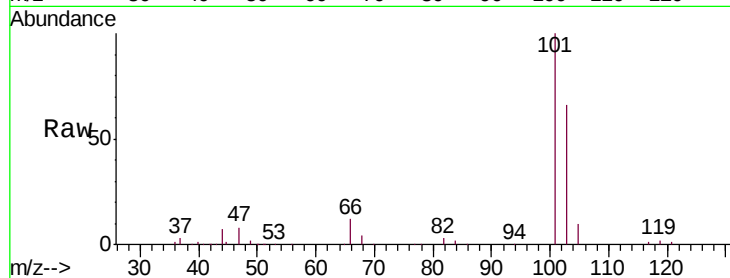


#7

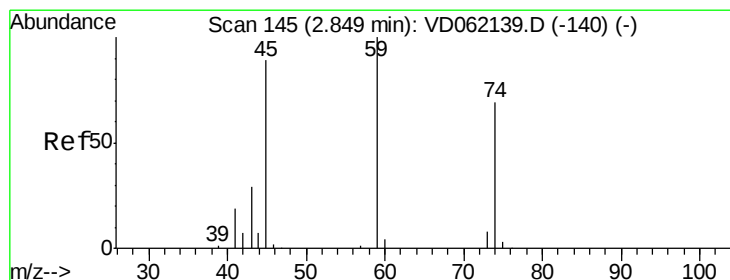
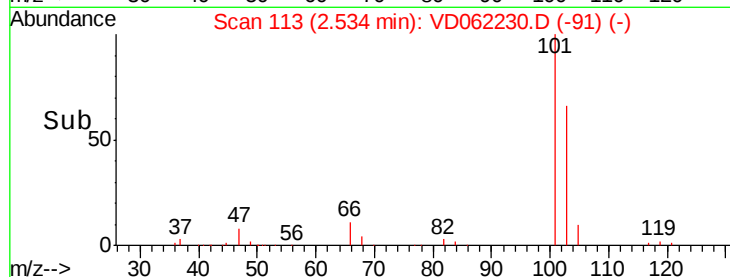
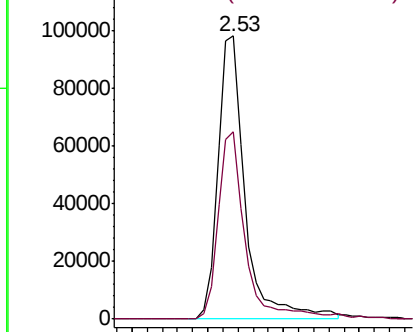
Trichlorofluoromethane  
 Concen: 22.344 ug/l  
 RT: 2.53 min Scan# 113  
 Delta R.T. 0.02 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

Tgt Ion: 101 Resp: 246123  
 Ion Ratio Lower Upper  
 101 100  
 103 66.2 53.6 80.4



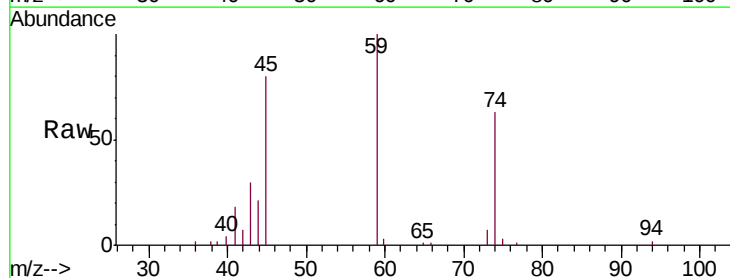
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



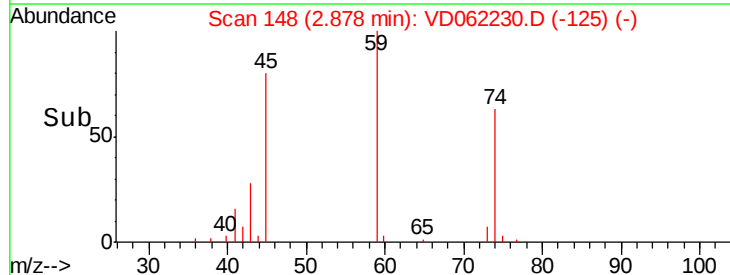
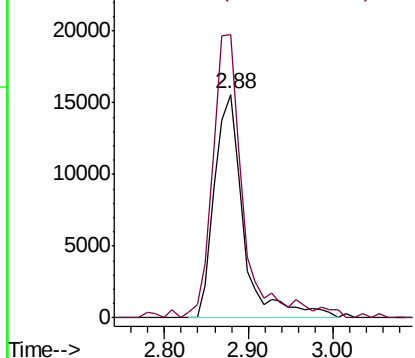
#8

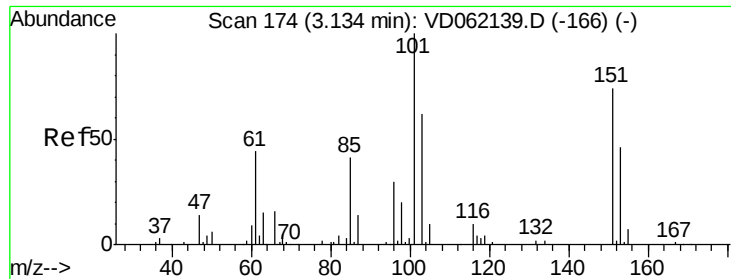
Diethyl Ether  
 Concen: 17.590 ug/l  
 RT: 2.88 min Scan# 148  
 Delta R.T. 0.03 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion: 74 Resp: 37367  
 Ion Ratio Lower Upper  
 74 100  
 45 126.5 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.718 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

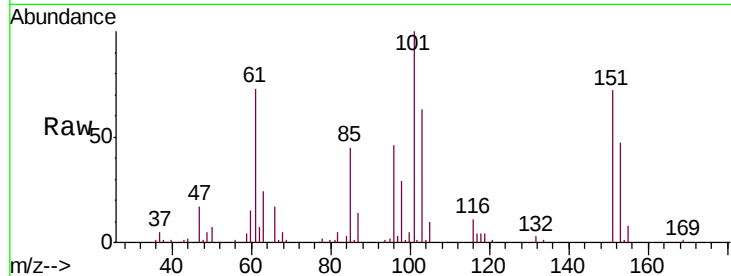
Tgt Ion:101 Resp: 189300

Ion Ratio Lower Upper

101 100

85 45.3 32.4 48.6

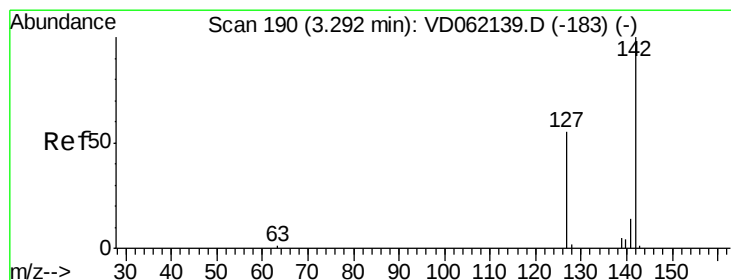
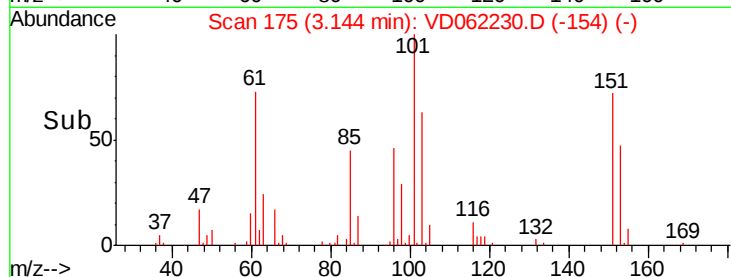
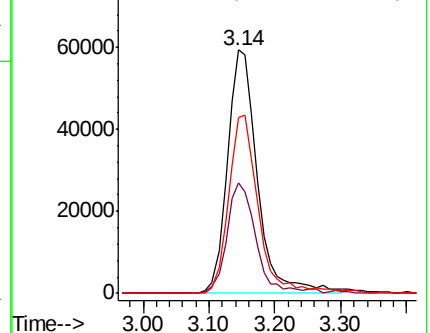
151 71.9 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.202 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

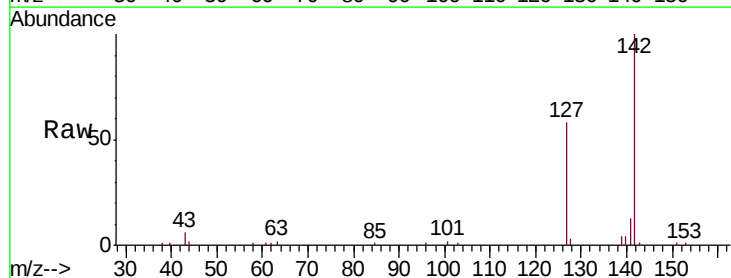
Tgt Ion:142 Resp: 204043

Ion Ratio Lower Upper

142 100

127 58.3 38.8 58.2#

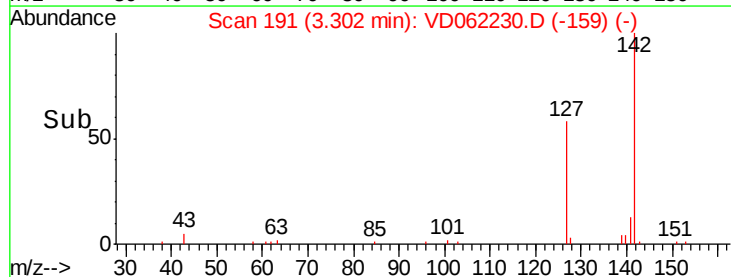
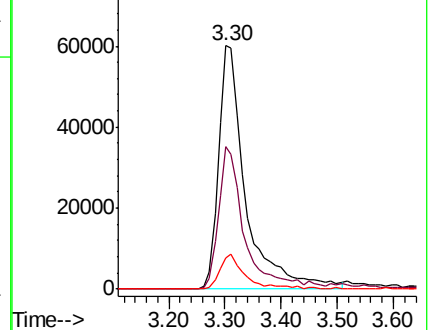
141 12.7 11.4 17.0



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

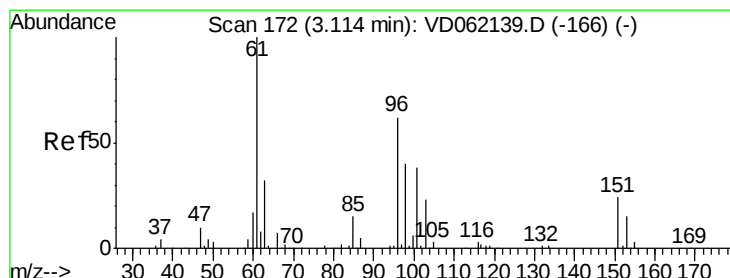
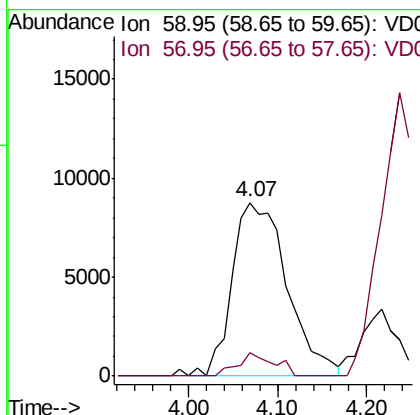
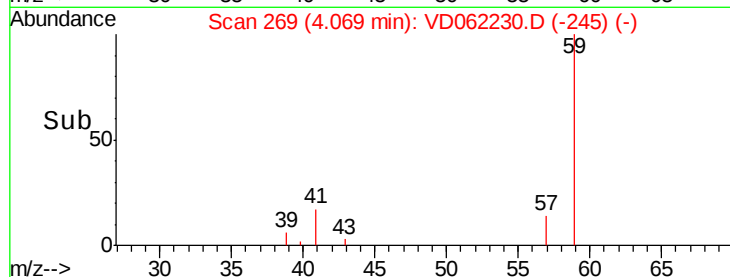
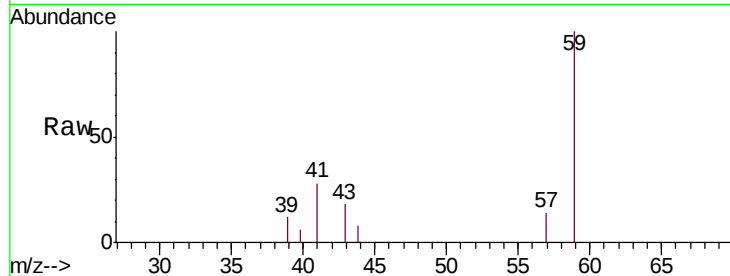




#11  
Tert butyl alcohol  
Concen: 95.008 ug/l  
RT: 4.07 min Scan# 269  
Delta R.T. 0.04 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

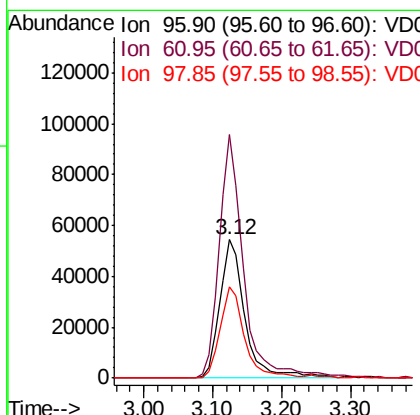
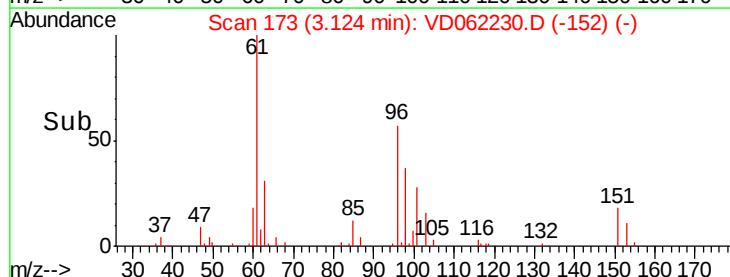
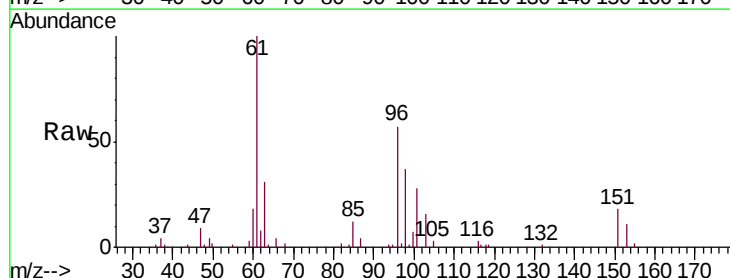
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

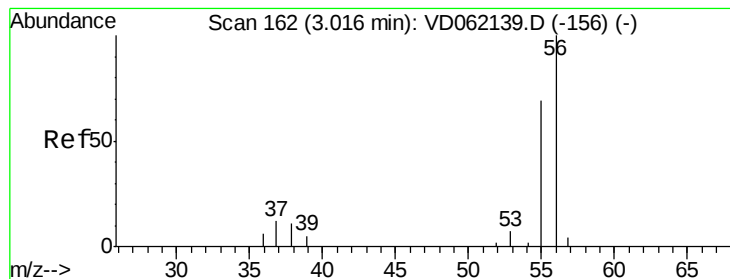
Tgt Ion: 59 Resp: 37596  
Ion Ratio Lower Upper  
59 100  
57 13.7 6.9 10.3#



#12  
1,1-Dichloroethene  
Concen: 21.619 ug/l  
RT: 3.12 min Scan# 173  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 96 Resp: 137512  
Ion Ratio Lower Upper  
96 100  
61 176.4 129.8 194.8  
98 66.0 51.2 76.8





#13

Acrolein

Concen: 96.641 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

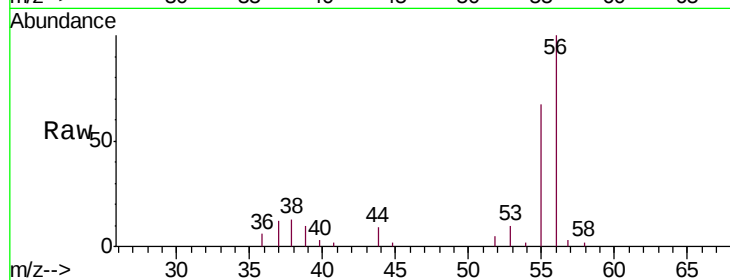
VD0511SBS01

Tgt Ion: 56 Resp: 39554

Ion Ratio Lower Upper

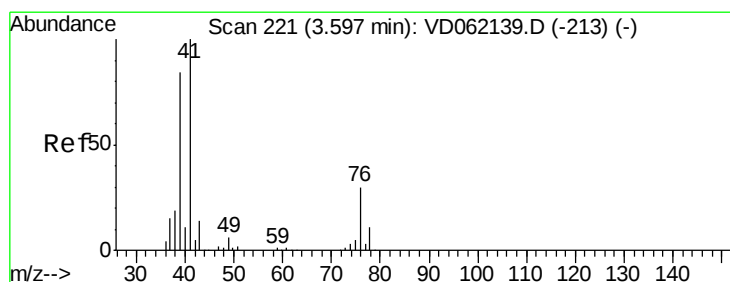
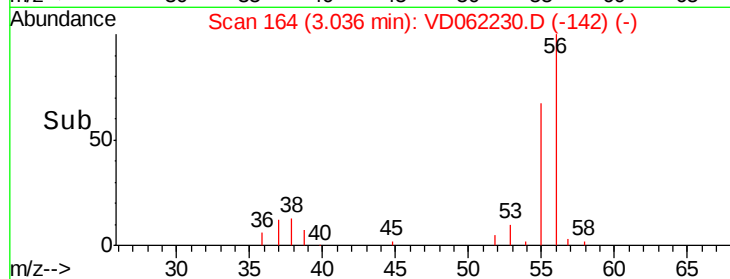
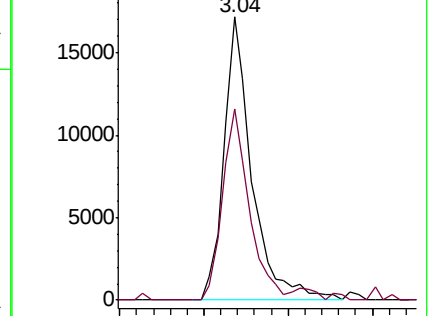
56 100

55 67.4 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.818 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

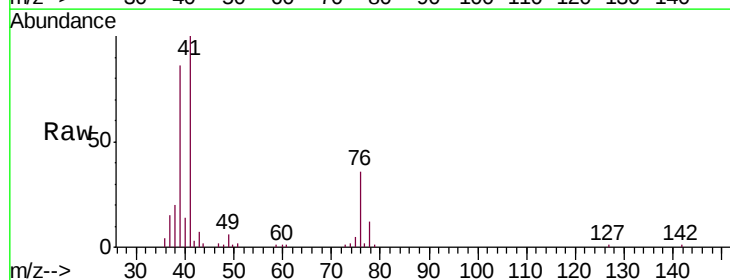
Tgt Ion: 41 Resp: 183286

Ion Ratio Lower Upper

41 100

39 86.1 60.5 90.7

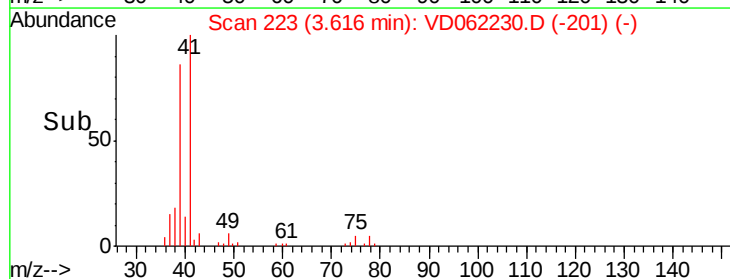
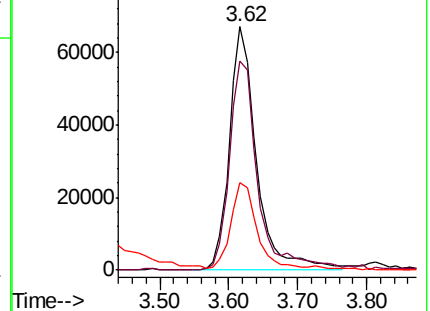
76 35.9 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 98.259 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

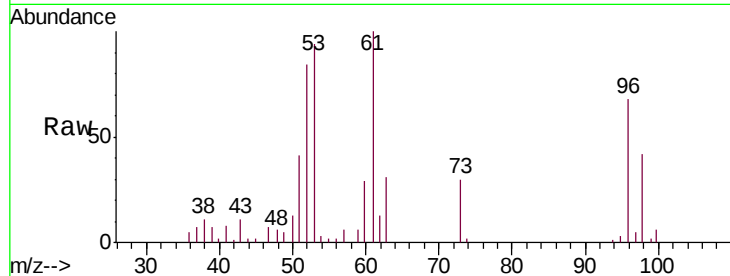
Tgt Ion: 53 Resp: 102201

Ion Ratio Lower Upper

53 100

52 90.3 65.0 97.4

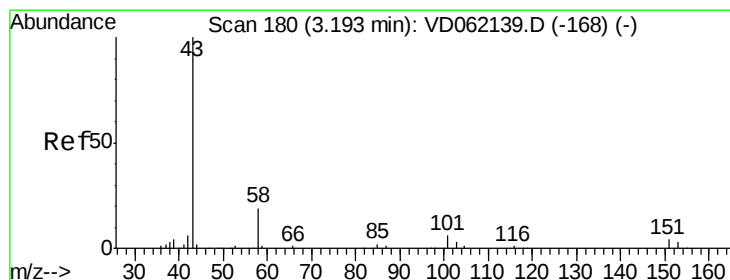
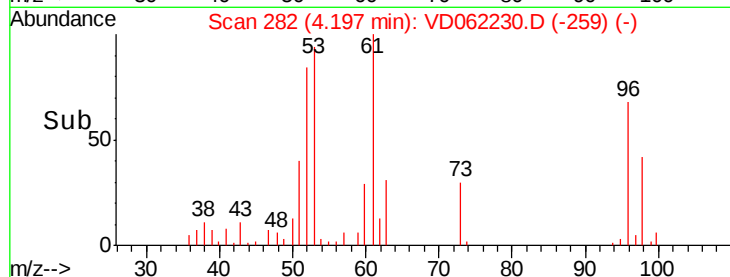
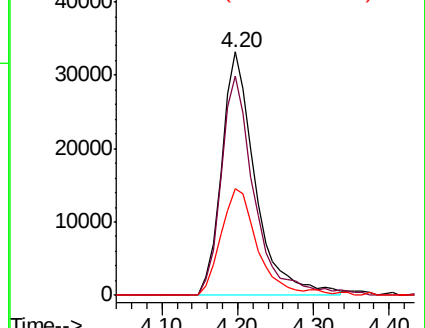
51 44.0 32.6 48.8



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: 114.819 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062230.D

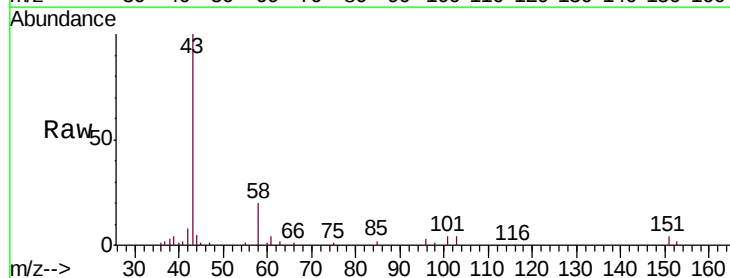
Acq: 11 May 2019 11:55

Tgt Ion: 43 Resp: 186667

Ion Ratio Lower Upper

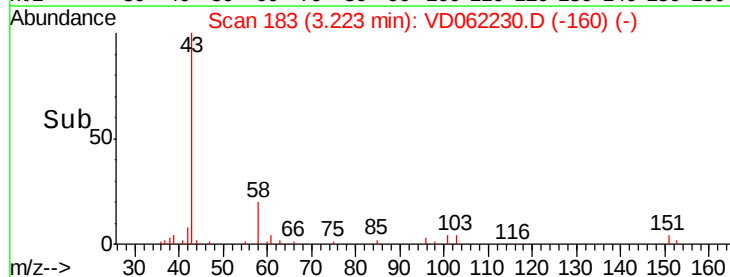
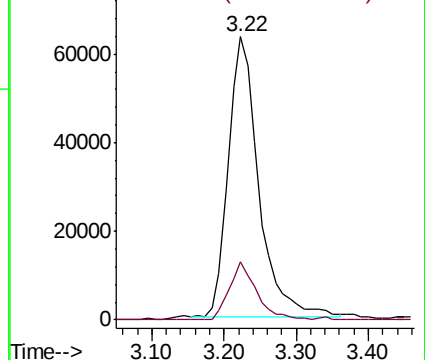
43 100

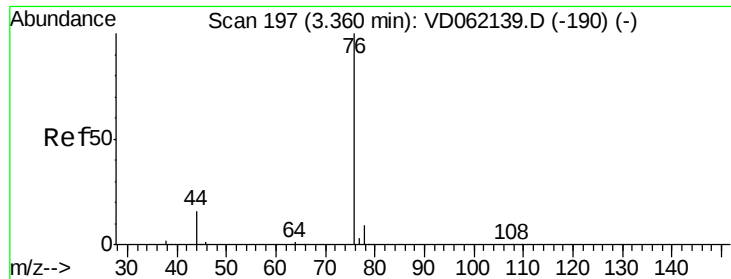
58 20.4 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

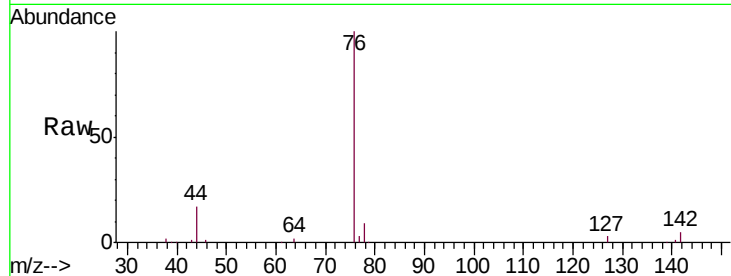




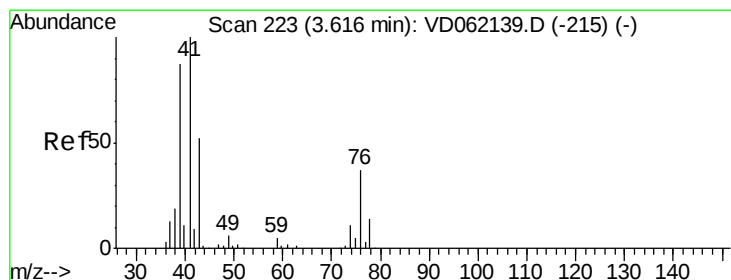
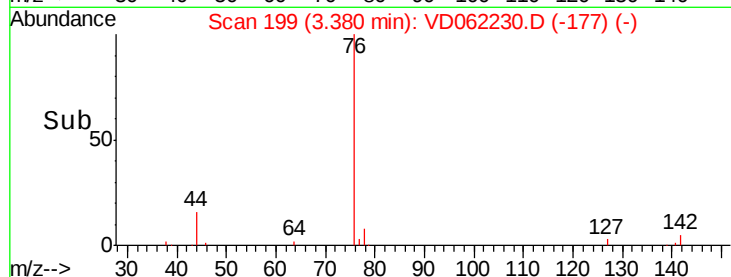
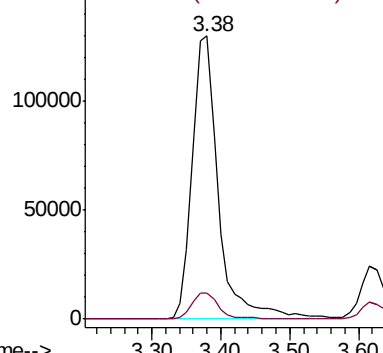
#17  
Carbon Disulfide  
Concen: 18.722 ug/l  
RT: 3.38 min Scan# 199  
Delta R.T. 0.02 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion: 76 Resp: 342574  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8

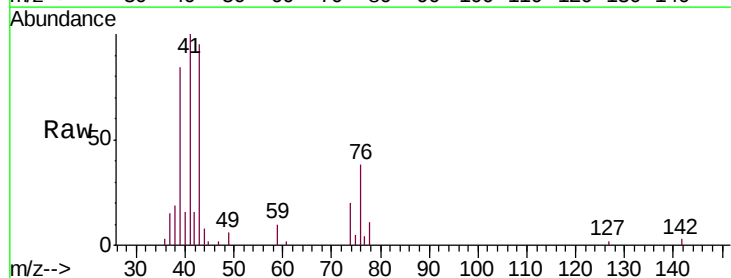


Abundance Ion 75.85 (75.55 to 76.55): VDC  
Ion 77.85 (77.55 to 78.55): VDC

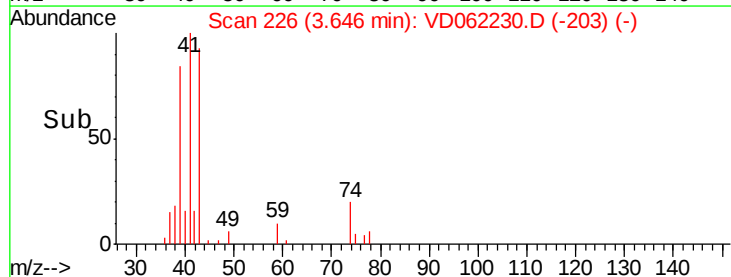
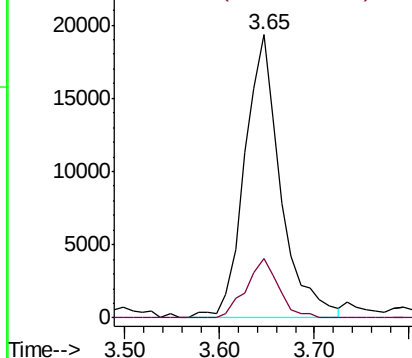


#18  
Methyl Acetate  
Concen: 17.386 ug/l  
RT: 3.65 min Scan# 226  
Delta R.T. 0.03 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 43 Resp: 51129  
Ion Ratio Lower Upper  
43 100  
74 21.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 74.00 (73.70 to 74.70): VDC

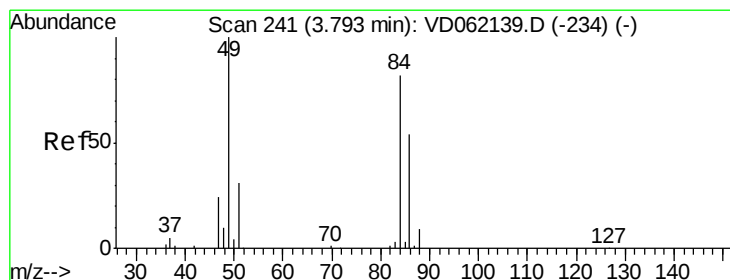
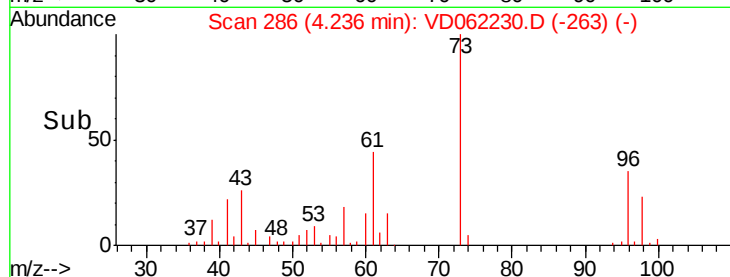
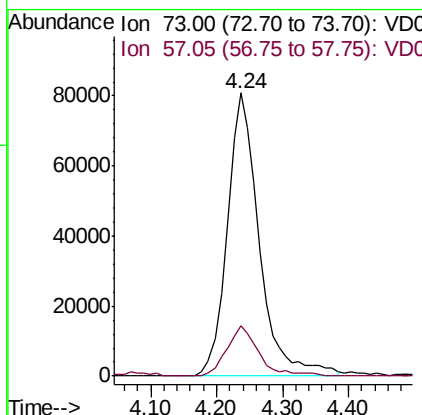
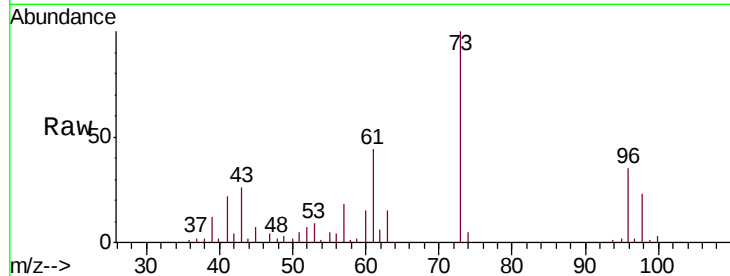




#19  
Methyl tert-butyl Ether  
Concen: 20.127 ug/l  
RT: 4.24 min Scan# 286  
Delta R.T. 0.03 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

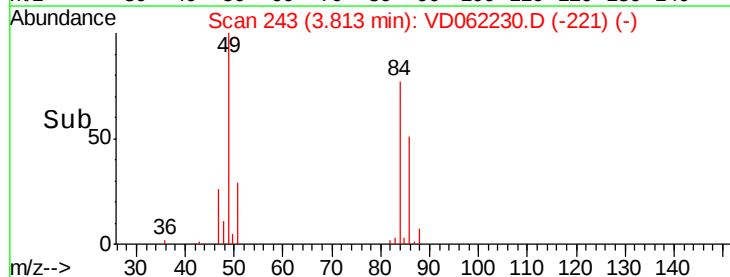
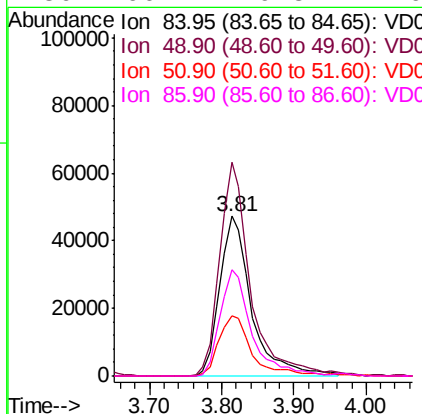
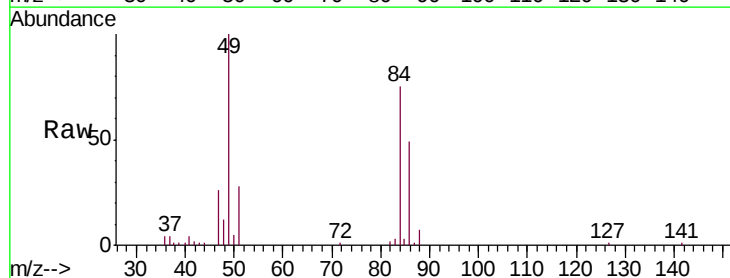
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion: 73 Resp: 274406  
Ion Ratio Lower Upper  
73 100  
57 17.7 16.3 24.5



#20  
Methylene Chloride  
Concen: 21.244 ug/l  
RT: 3.81 min Scan# 243  
Delta R.T. 0.02 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 84 Resp: 144204  
Ion Ratio Lower Upper  
84 100  
49 133.7 94.0 141.0  
51 38.0 29.0 43.4  
86 66.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 20.119 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

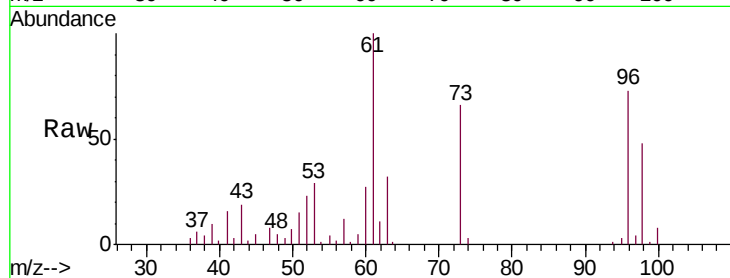
Tgt Ion: 96 Resp: 142399

Ion Ratio Lower Upper

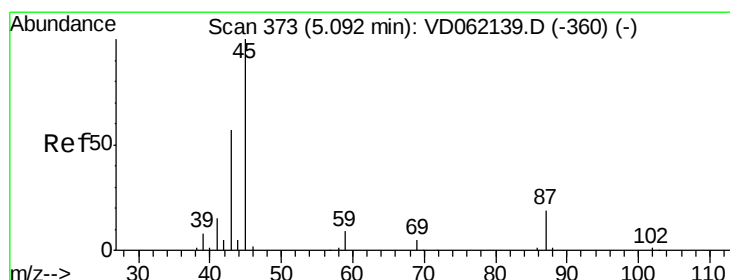
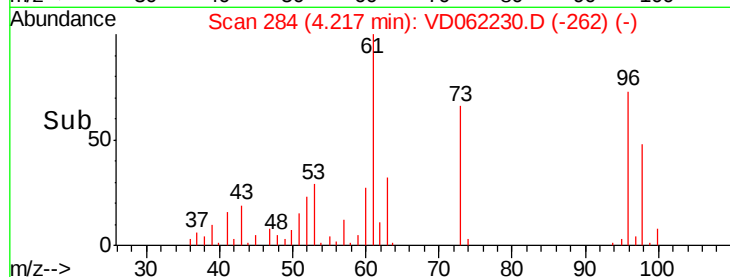
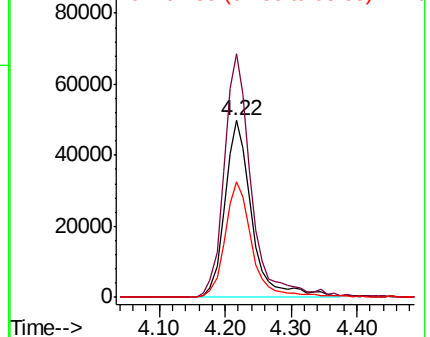
96 100

61 137.7 104.4 156.6

98 65.6 51.8 77.8



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: 20.602 ug/l

RT: 5.11 min Scan# 375

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Tgt Ion: 45 Resp: 405448

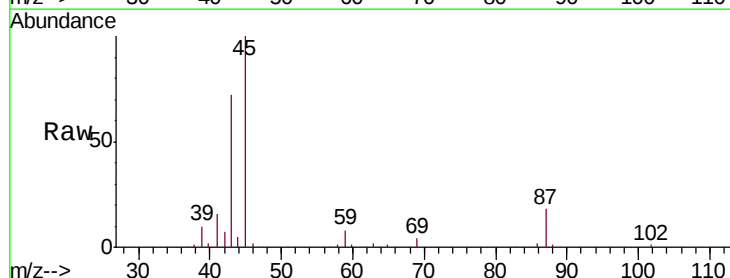
Ion Ratio Lower Upper

45 100

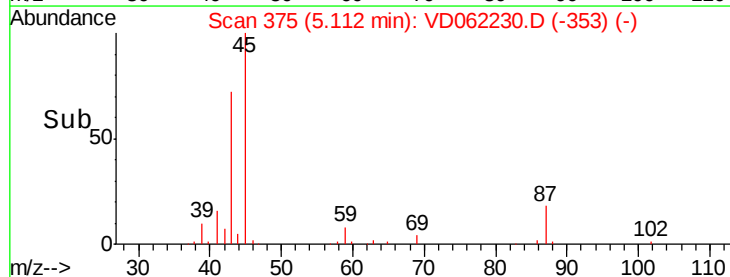
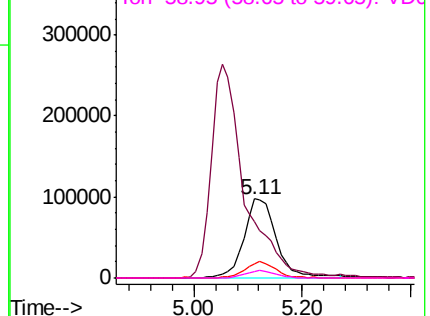
43 71.7 46.2 69.2#

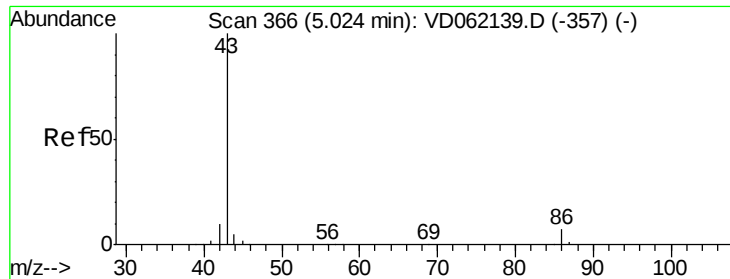
87 18.3 15.9 23.9

59 8.1 7.9 11.9



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: 106.956 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

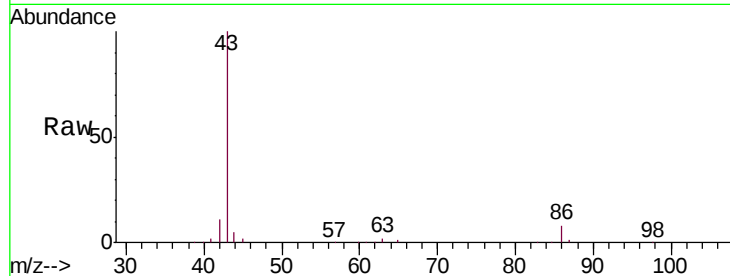
VD0511SBS01

Tgt Ion: 43 Resp: 1110581

Ion Ratio Lower Upper

43 100

86 7.5 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062230.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VD062230.D (-357) (-)

5.05

300000

250000

200000

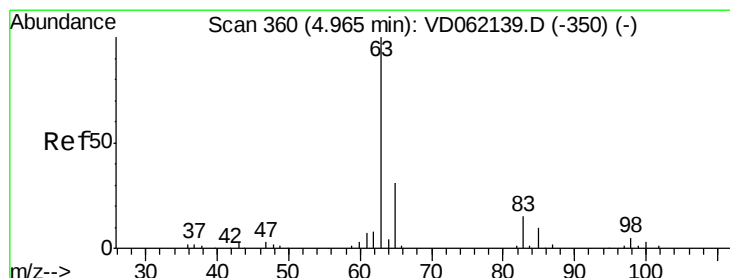
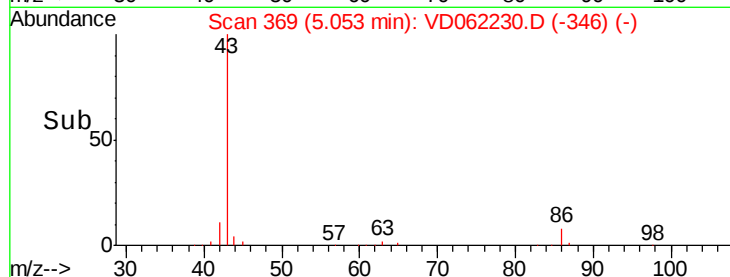
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.283 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

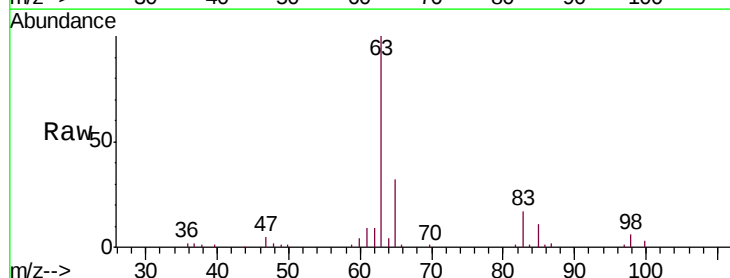
Tgt Ion: 63 Resp: 240813

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.2 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD062230.D (-340) (-)

Ion 97.95 (97.65 to 98.65): VD062230.D (-340) (-)

Ion 99.95 (99.65 to 100.65): VD062230.D (-340) (-)

4.98

80000

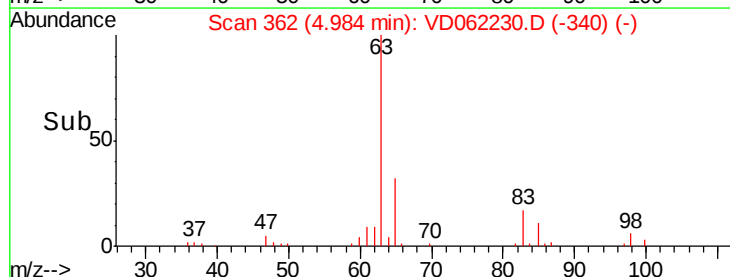
60000

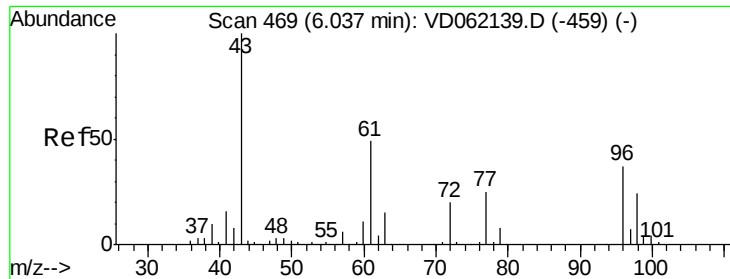
40000

20000

0

Time-->





#25

2-Butanone

Concen: 101.776 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

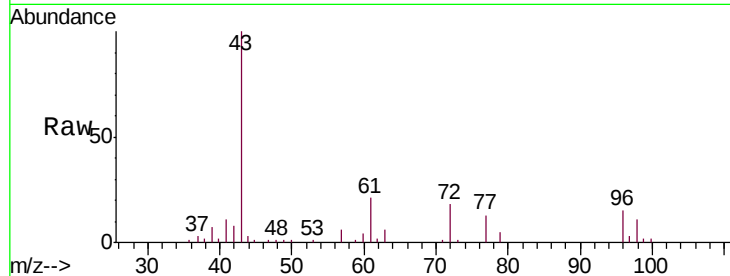
VD0511SBS01

Tgt Ion: 43 Resp: 180479

Ion Ratio Lower Upper

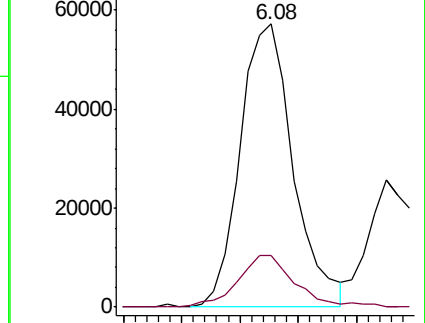
43 100

72 18.4 16.2 24.4

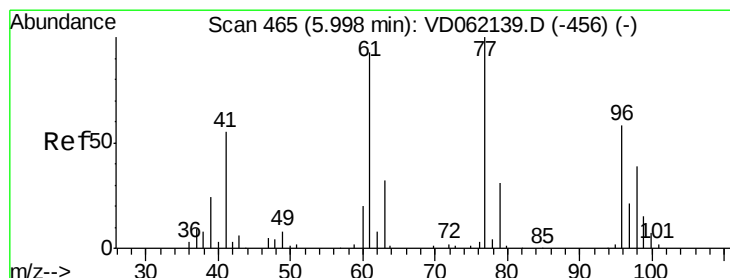
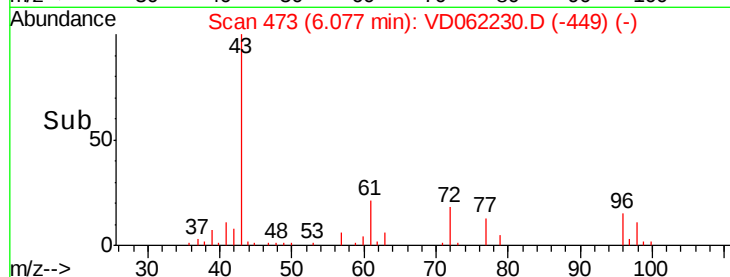


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 22.462 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD062230.D

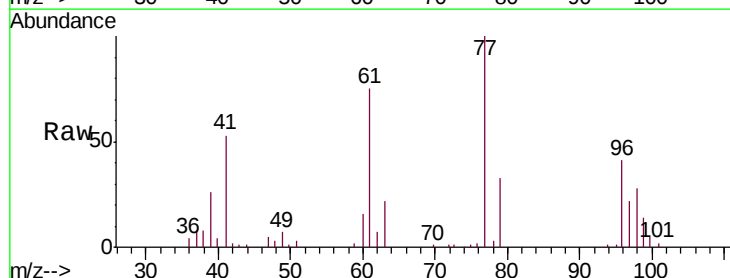
Acq: 11 May 2019 11:55

Tgt Ion: 77 Resp: 265647

Ion Ratio Lower Upper

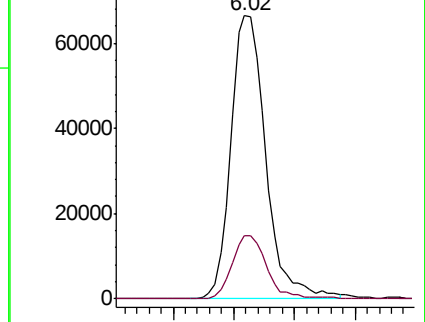
77 100

97 22.4 11.9 35.9

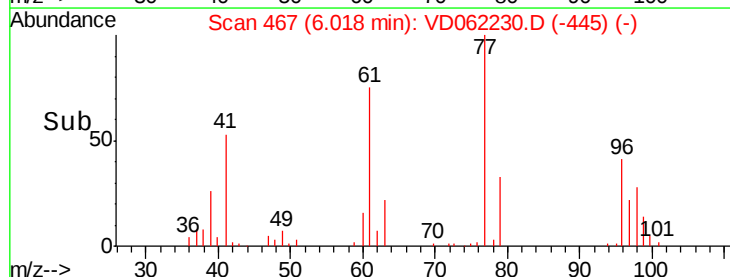


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



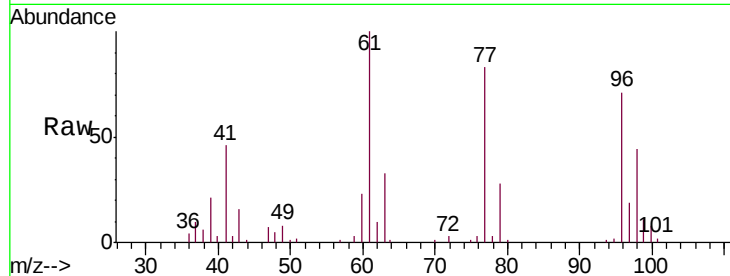


#27

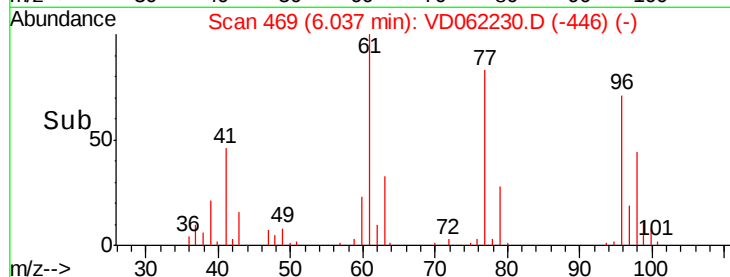
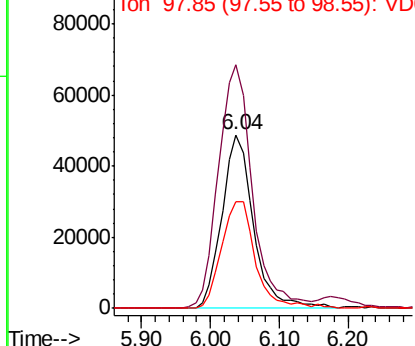
cis-1,2-Dichloroethene  
 Concen: 19.599 ug/l  
 RT: 6.04 min Scan# 469  
 Delta R.T. 0.03 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

Tgt Ion: 96 Resp: 155276  
 Ion Ratio Lower Upper  
 96 100  
 61 140.1 0.0 279.8  
 98 61.2 0.0 136.0



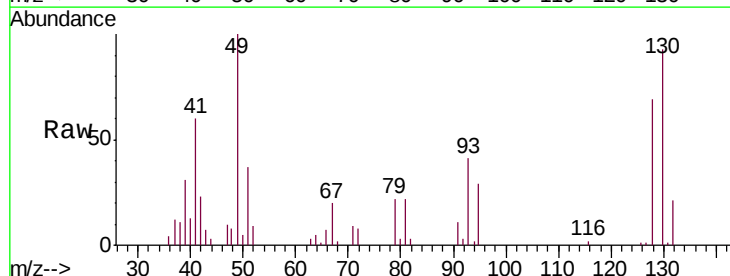
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC



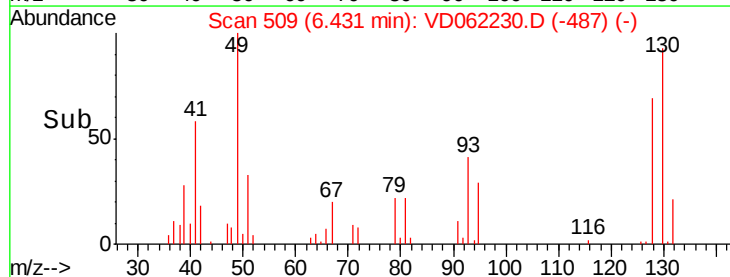
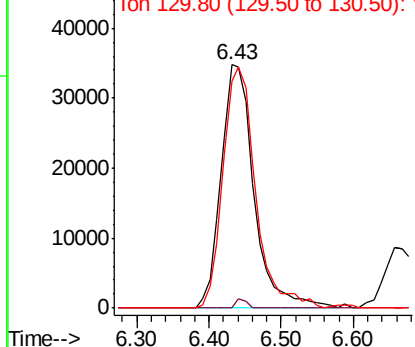
#28

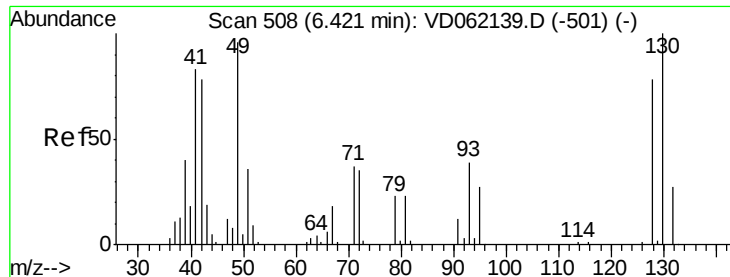
Bromochloromethane  
 Concen: 23.540 ug/l  
 RT: 6.43 min Scan# 509  
 Delta R.T. 0.02 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion: 49 Resp: 109955  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 6.6  
 130 93.3 86.7 130.1



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

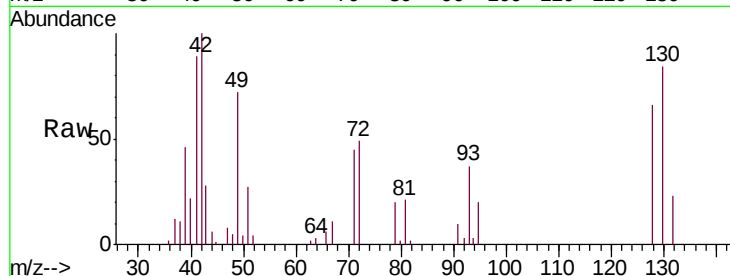




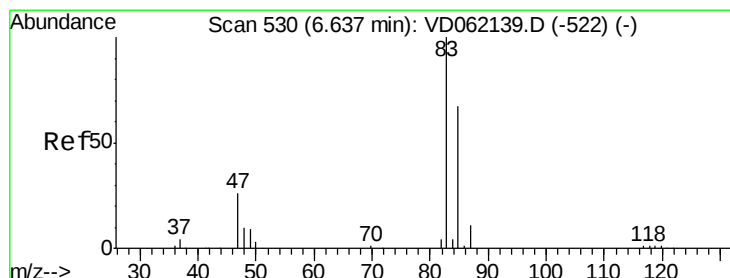
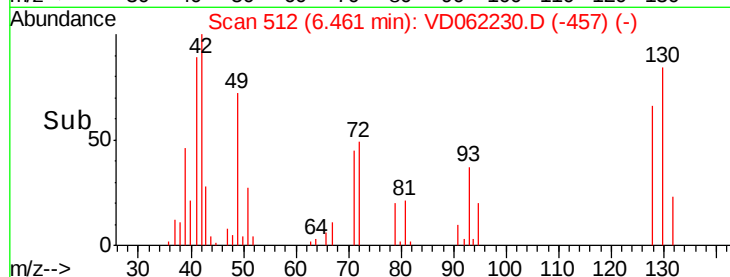
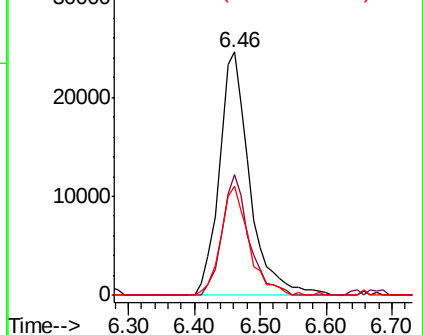
#29  
Tetrahydrofuran  
Concen: 96.596 ug/l  
RT: 6.46 min Scan# 512  
Delta R.T. 0.04 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion: 42 Resp: 78925  
Ion Ratio Lower Upper  
42 100  
72 44.0 37.8 56.6  
71 41.9 36.7 55.1

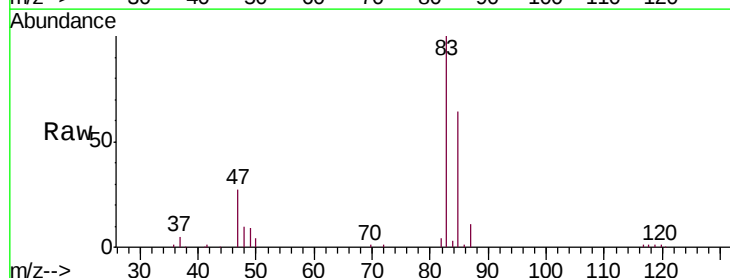


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

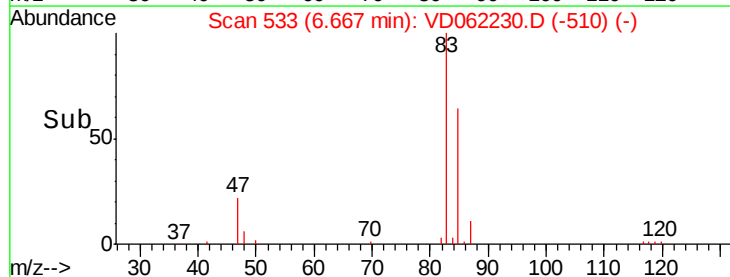
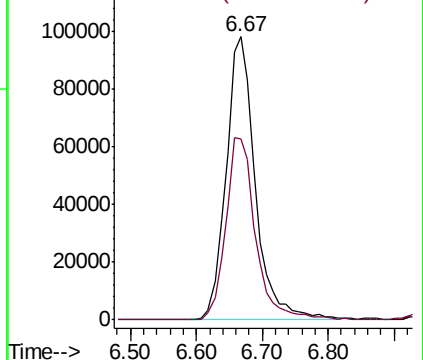


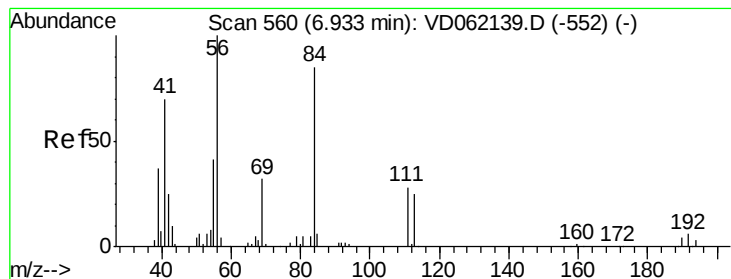
#30  
Chloroform  
Concen: 21.372 ug/l  
RT: 6.67 min Scan# 533  
Delta R.T. 0.03 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 83 Resp: 305800  
Ion Ratio Lower Upper  
83 100  
85 64.1 51.7 77.5



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





#31

Cyclohexane

Concen: 19.569 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

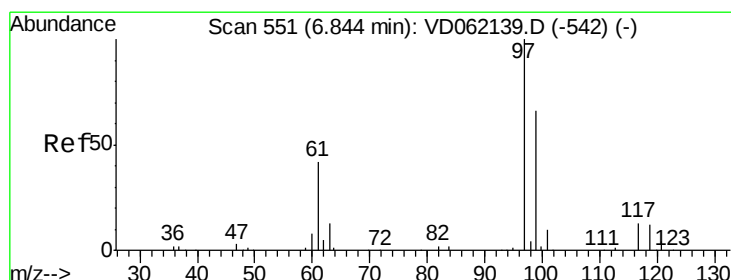
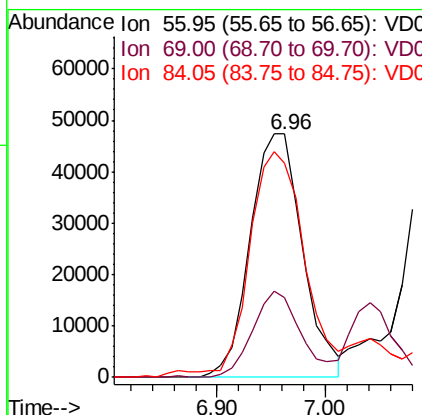
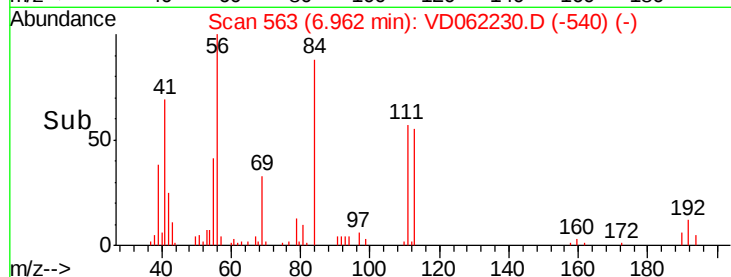
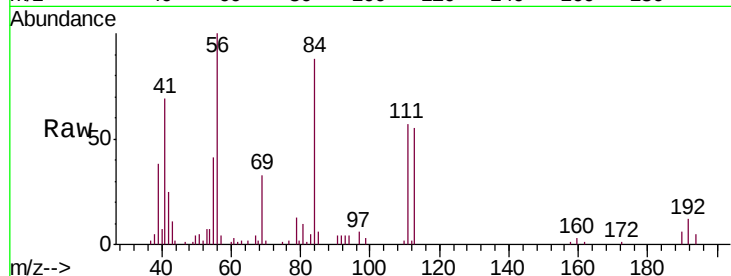
Tgt Ion: 56 Resp: 159169

Ion Ratio Lower Upper

56 100

69 32.7 25.8 38.6

84 87.9 72.2 108.4



#32

1,1,1-Trichloroethane

Concen: 23.611 ug/l

RT: 6.86 min Scan# 553

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

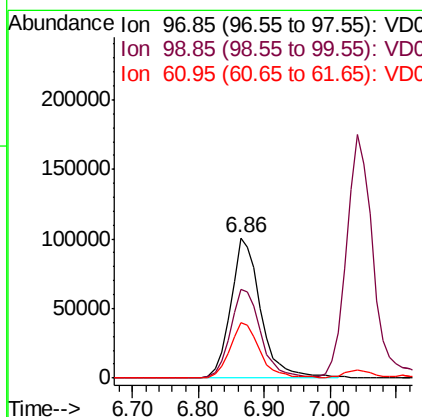
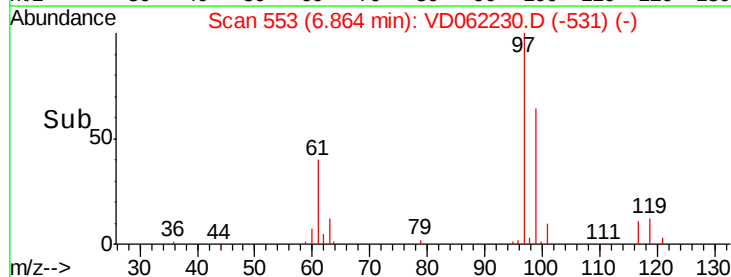
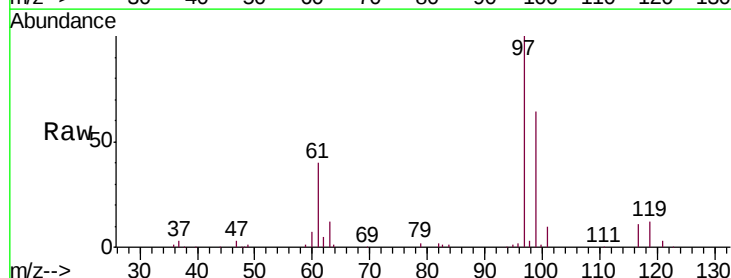
Tgt Ion: 97 Resp: 319314

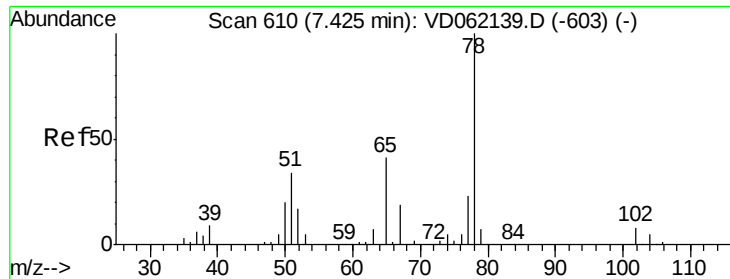
Ion Ratio Lower Upper

97 100

99 63.5 52.2 78.2

61 39.5 32.4 48.6





#33

1,2-Dichloroethane-d4

Concen: 46.060 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

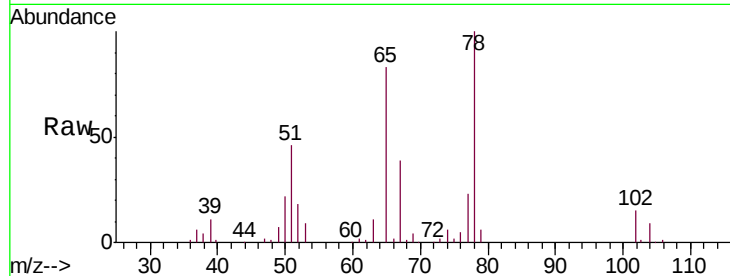
VD0511SBS01

Tgt Ion: 65 Resp: 357076

Ion Ratio Lower Upper

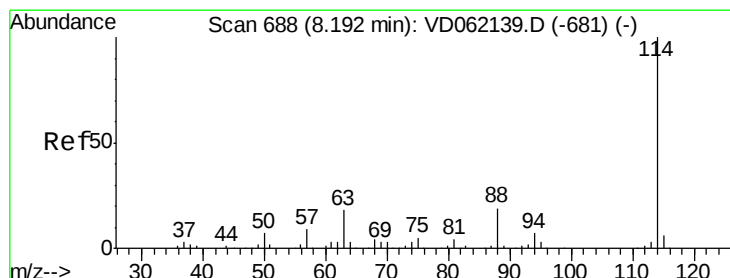
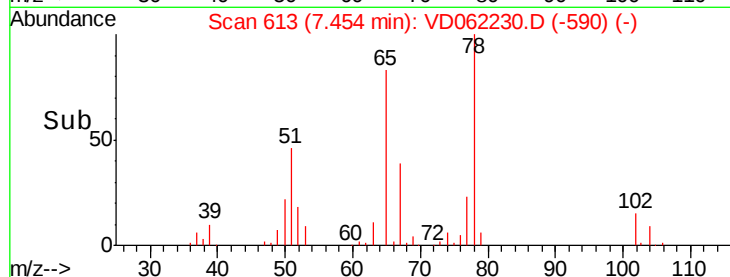
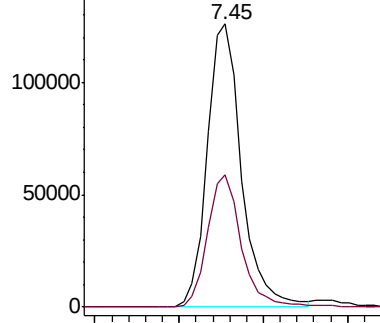
65 100

67 46.8 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

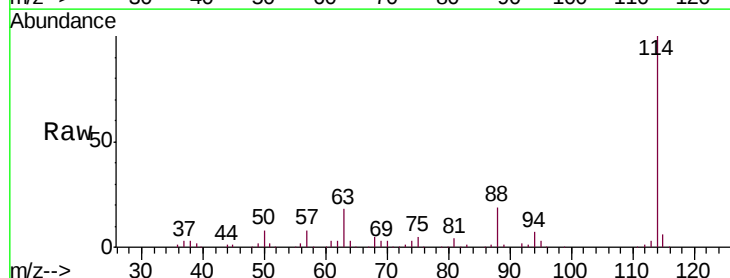
Tgt Ion: 114 Resp: 1140499

Ion Ratio Lower Upper

114 100

63 18.1 0.0 32.4

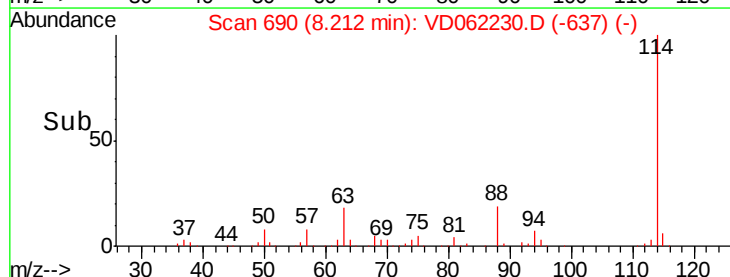
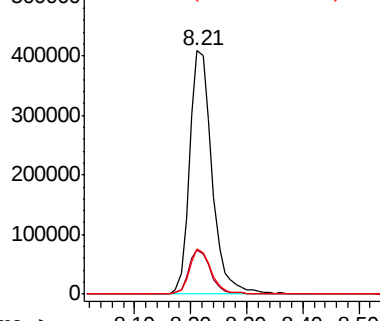
88 18.8 0.0 33.6

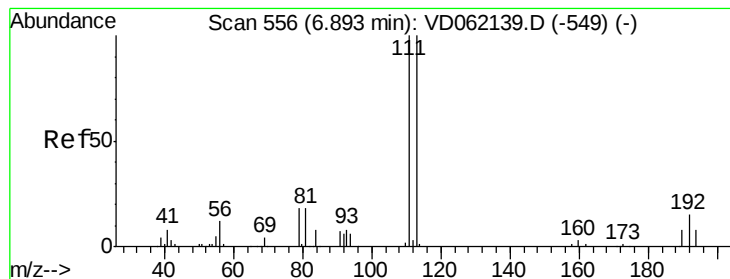


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 47.830 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

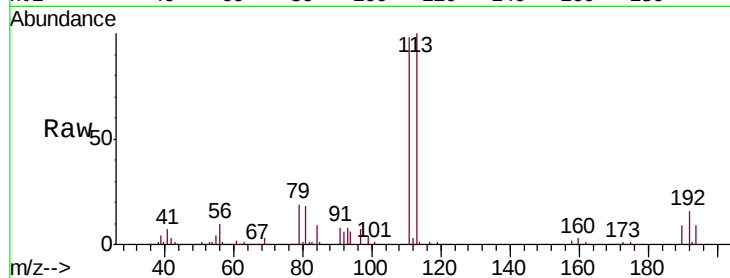
Tgt Ion:113 Resp: 452610

Ion Ratio Lower Upper

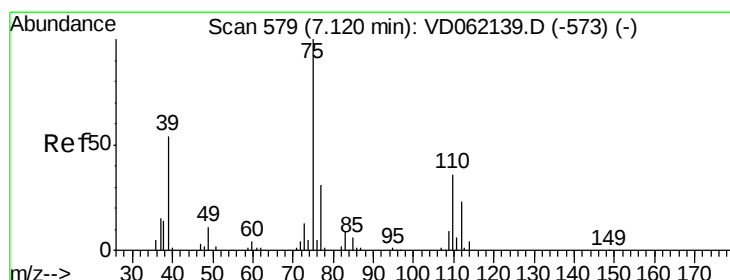
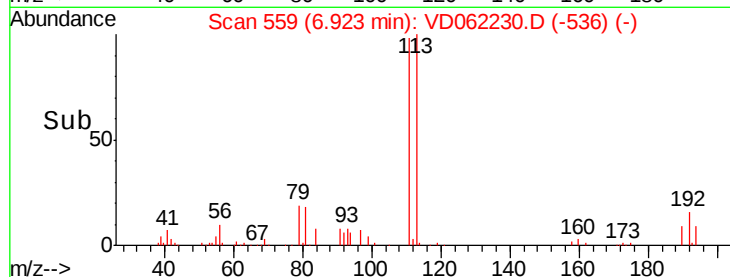
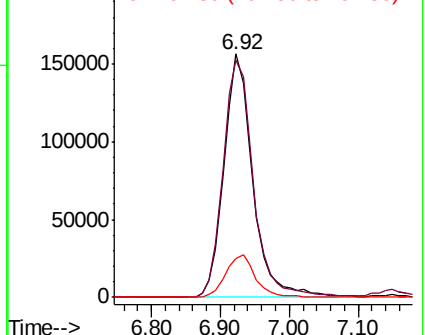
113 100

111 97.7 78.5 117.7

192 16.1 13.0 19.4



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: 22.780 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

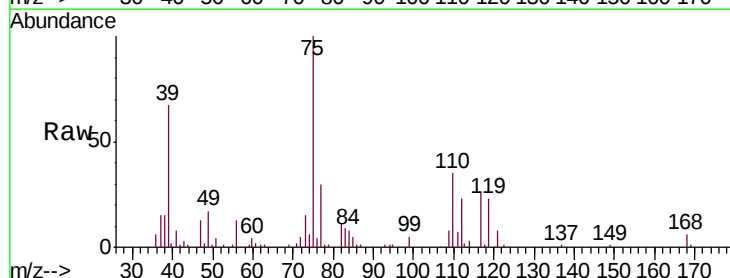
Tgt Ion: 75 Resp: 213018

Ion Ratio Lower Upper

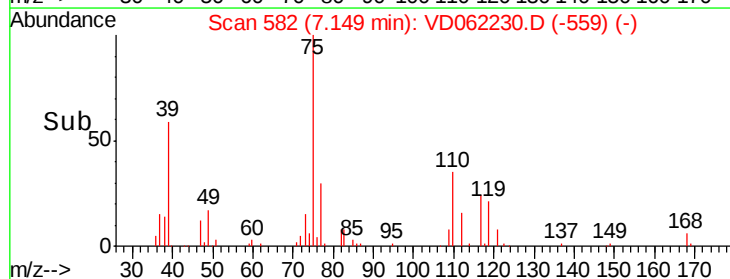
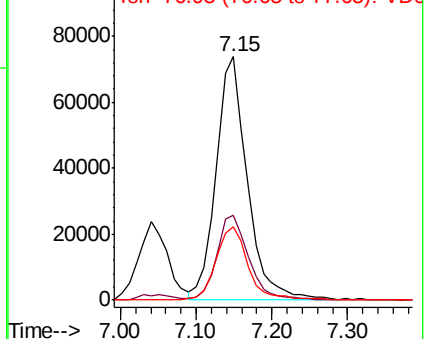
75 100

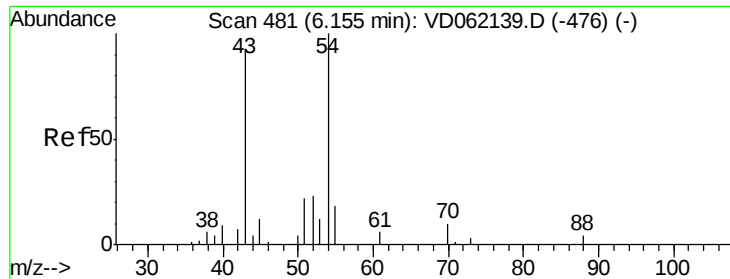
110 35.1 19.1 57.1

77 30.3 25.6 38.4



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

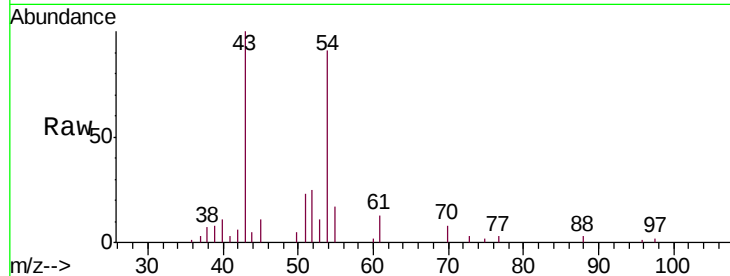




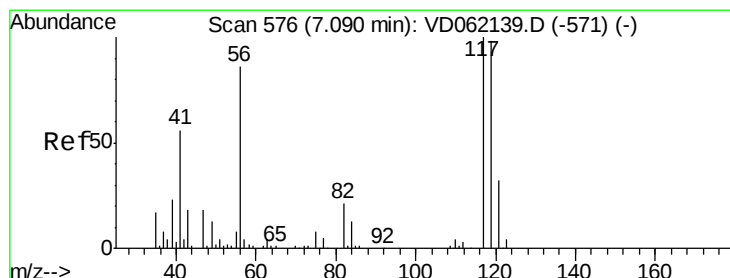
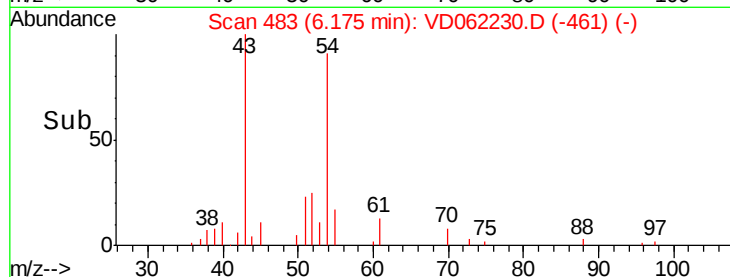
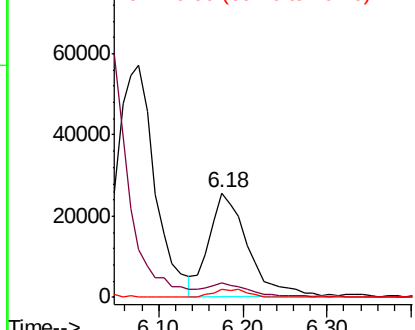
#37  
Ethyl Acetate  
Concen: 20.369 ug/l  
RT: 6.18 min Scan# 483  
Delta R.T. 0.02 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion: 43 Resp: 80777  
Ion Ratio Lower Upper  
43 100  
61 13.4 14.7 22.1#  
70 7.8 7.8 11.6

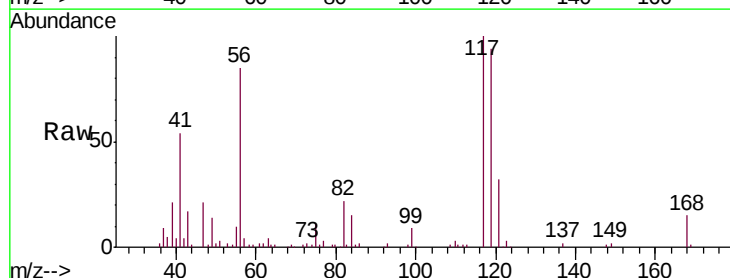


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

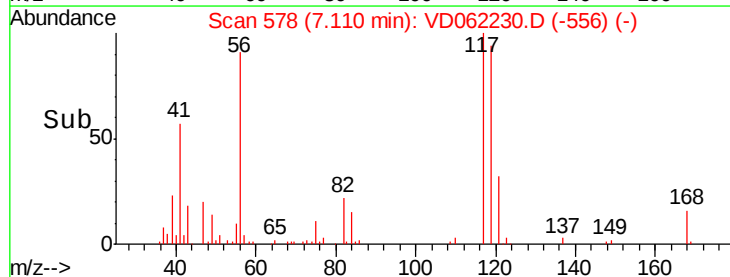
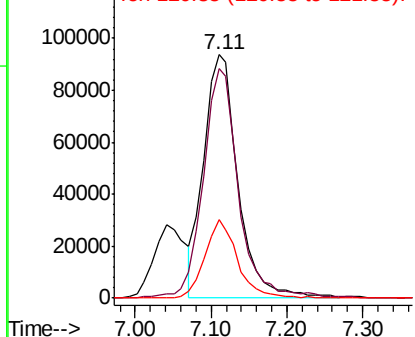


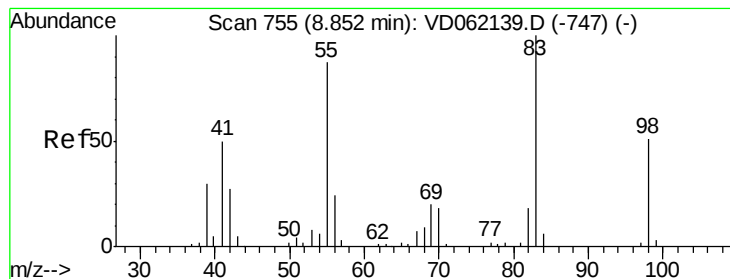
#38  
Carbon Tetrachloride  
Concen: 22.863 ug/l  
RT: 7.11 min Scan# 578  
Delta R.T. 0.02 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 117 Resp: 295912  
Ion Ratio Lower Upper  
117 100  
119 94.4 75.8 113.8  
121 32.1 25.9 38.9



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





#39

Methylcyclohexane

Concen: 20.988 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

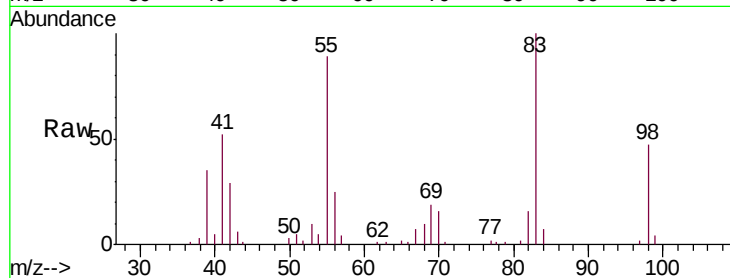
Tgt Ion: 83 Resp: 188036

Ion Ratio Lower Upper

83 100

55 88.7 68.2 102.4

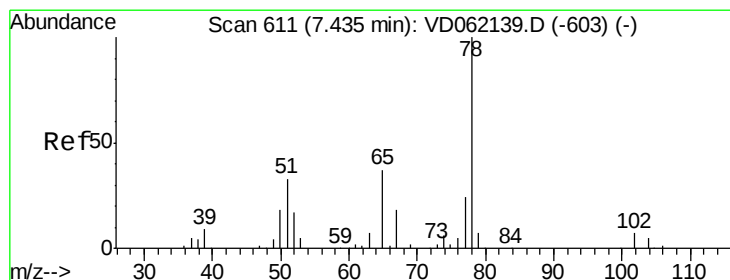
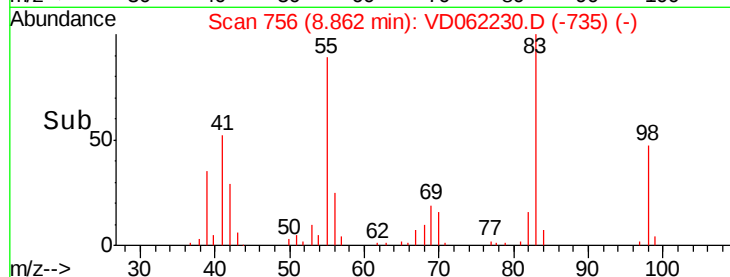
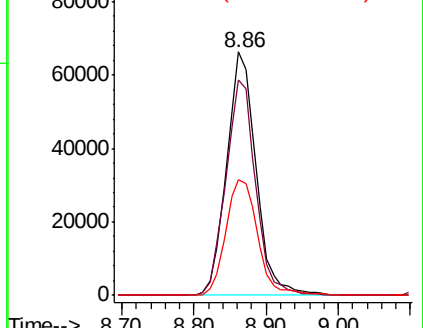
98 47.4 38.2 57.4



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: 20.715 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD062230.D

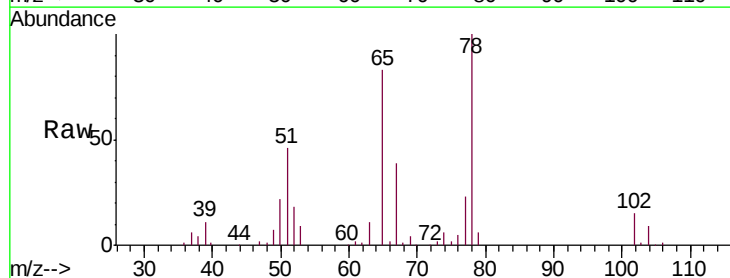
Acq: 11 May 2019 11:55

Tgt Ion: 78 Resp: 437405

Ion Ratio Lower Upper

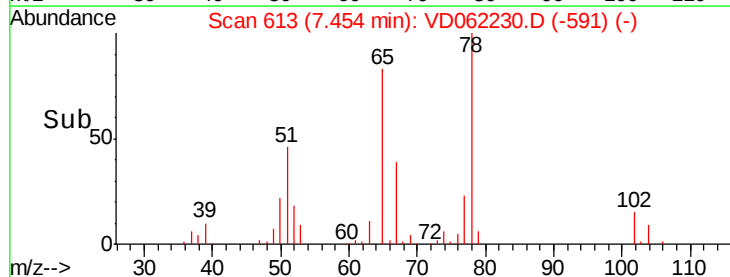
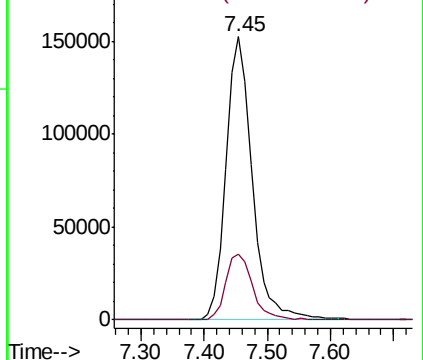
78 100

77 23.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

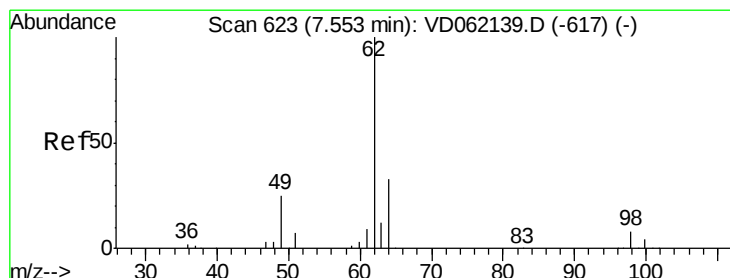
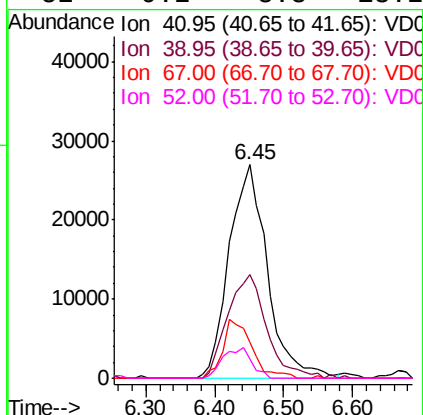
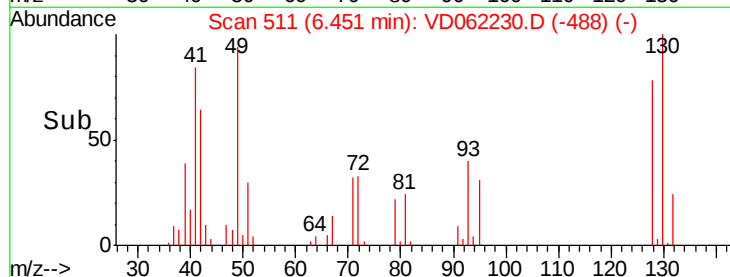
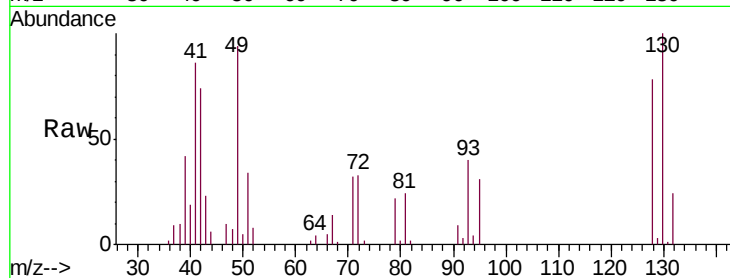




#41  
Methacrylonitrile  
Concen: 21.399 ug/l  
RT: 6.45 min Scan# 511  
Delta R.T. 0.03 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

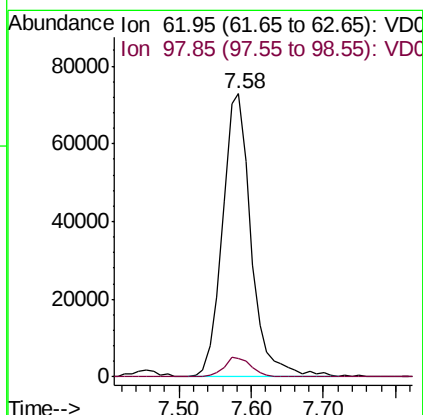
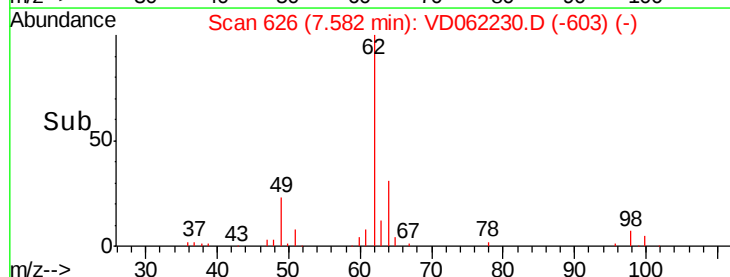
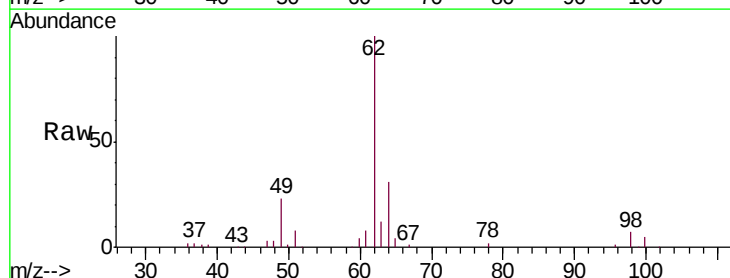
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

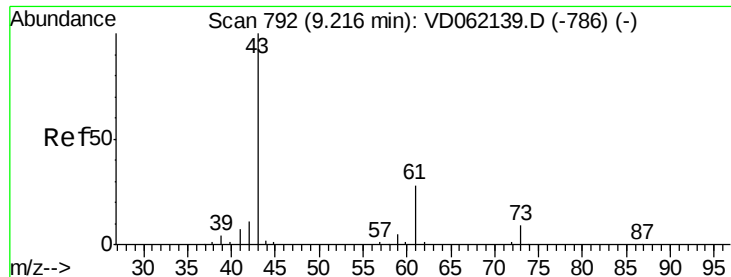
Tgt Ion: 41 Resp: 103705  
Ion Ratio Lower Upper  
41 100  
39 48.8 34.1 51.1  
67 16.6 23.8 35.6#  
52 9.2 8.8 13.2



#42  
1,2-Dichloroethane  
Concen: 22.379 ug/l  
RT: 7.58 min Scan# 626  
Delta R.T. 0.03 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 62 Resp: 200213  
Ion Ratio Lower Upper  
62 100  
98 6.7 0.0 17.8





#43

Isopropyl Acetate

Concen: 19.938 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

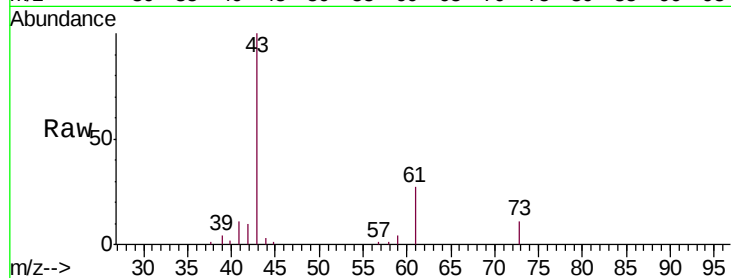
Tgt Ion: 43 Resp: 112135

Ion Ratio Lower Upper

43 100

61 26.9 25.1 37.7

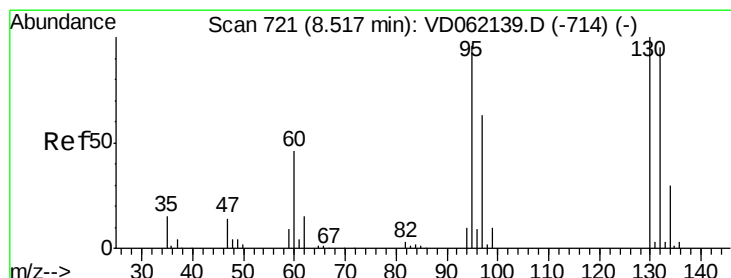
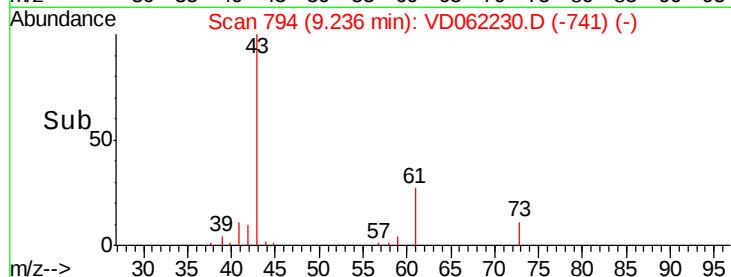
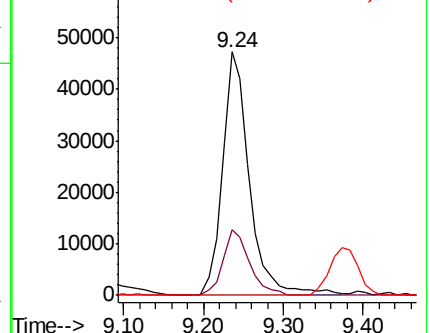
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.519 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD062230.D

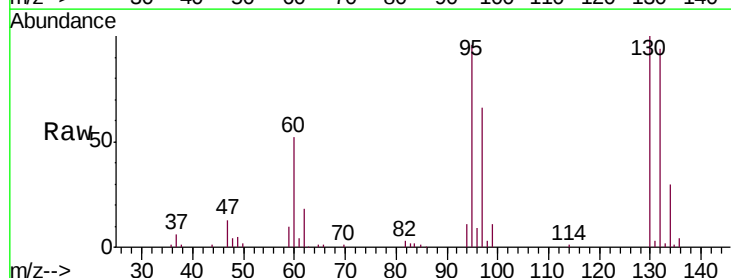
Acq: 11 May 2019 11:55

Tgt Ion: 130 Resp: 165101

Ion Ratio Lower Upper

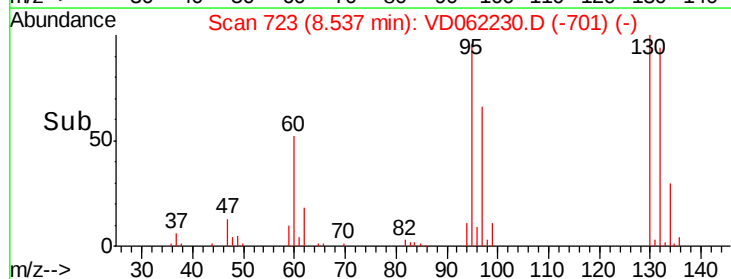
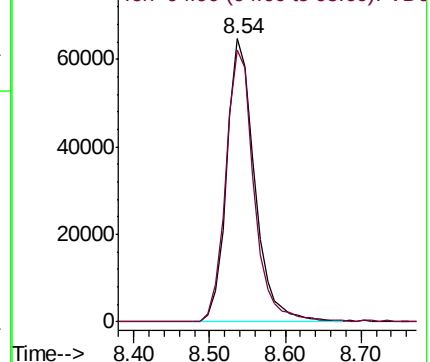
130 100

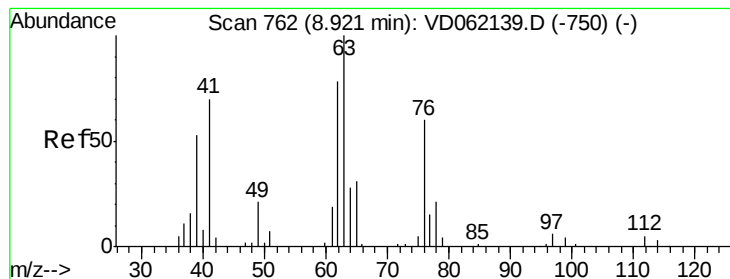
95 96.2 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.911 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

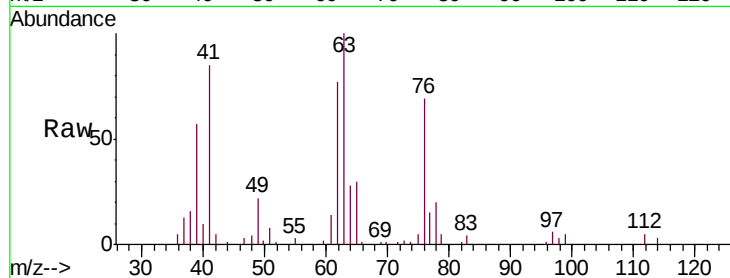
VD0511SBS01

Tgt Ion: 63 Resp: 109219

Ion Ratio Lower Upper

63 100

65 29.6 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

40000

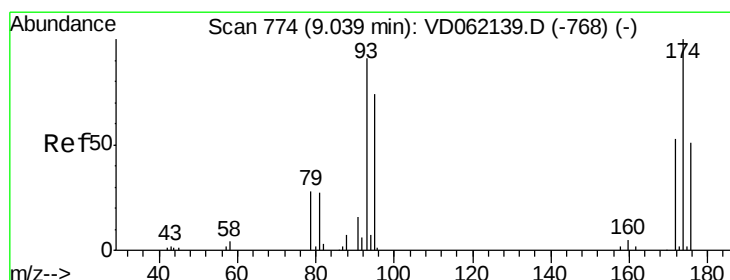
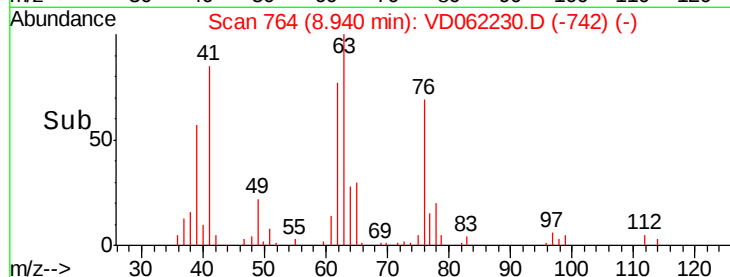
30000

20000

10000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.701 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.03 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

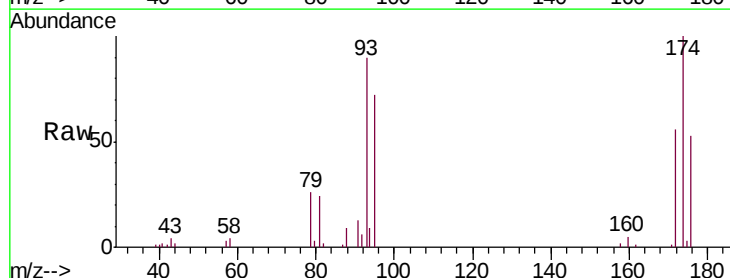
Tgt Ion: 93 Resp: 87921

Ion Ratio Lower Upper

93 100

95 80.1 64.8 97.2

174 111.6 79.3 118.9



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

9.07

40000

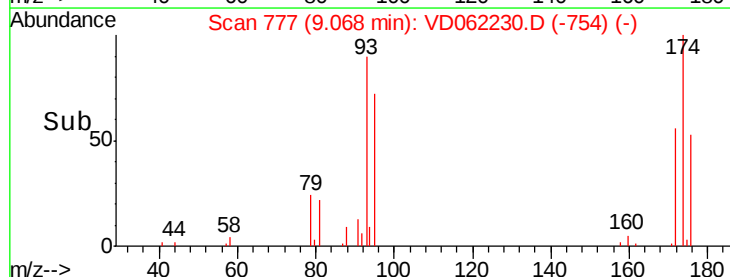
30000

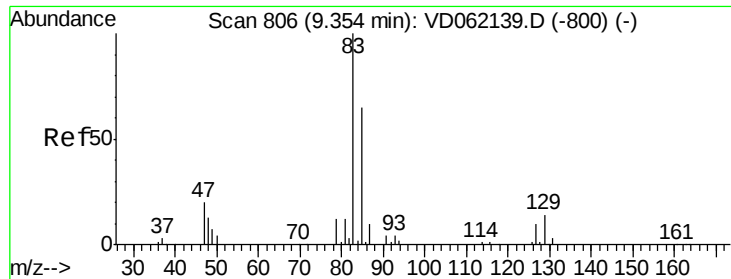
20000

10000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 22.275 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

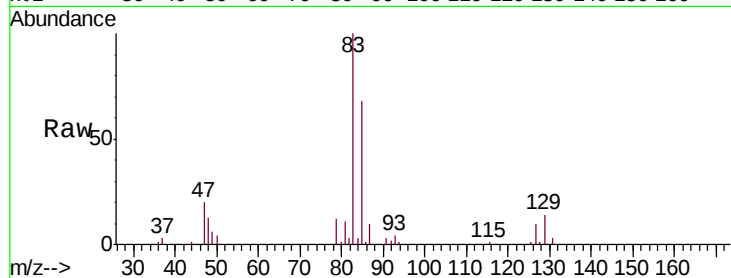
Tgt Ion: 83 Resp: 231412

Ion Ratio Lower Upper

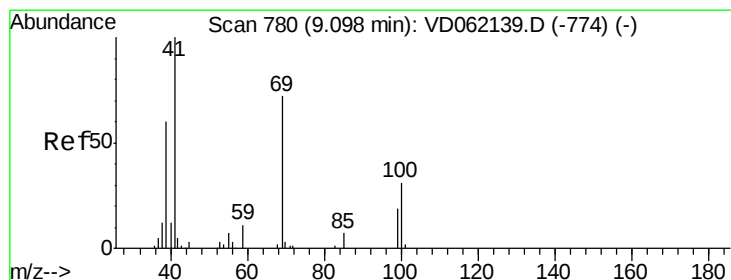
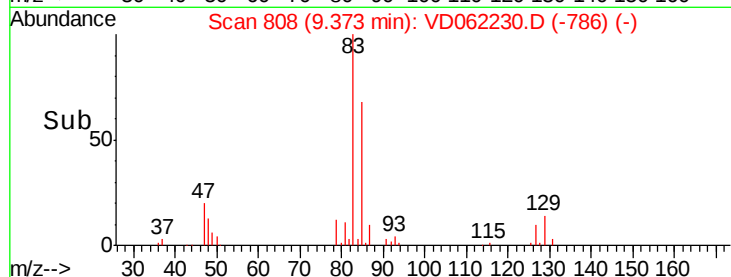
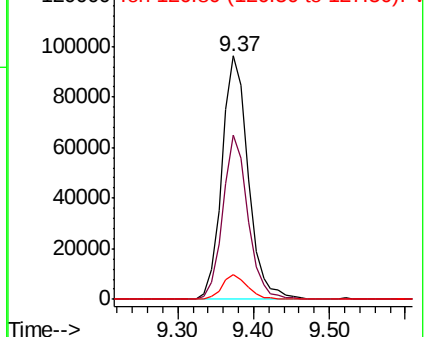
83 100

85 67.5 50.9 76.3

127 10.3 8.1 12.1



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



#48

Methyl methacrylate

Concen: 20.215 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

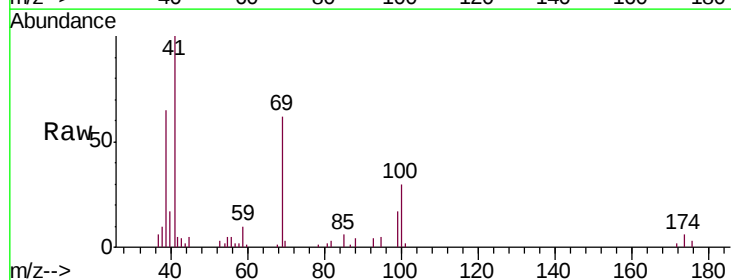
Tgt Ion: 41 Resp: 70030

Ion Ratio Lower Upper

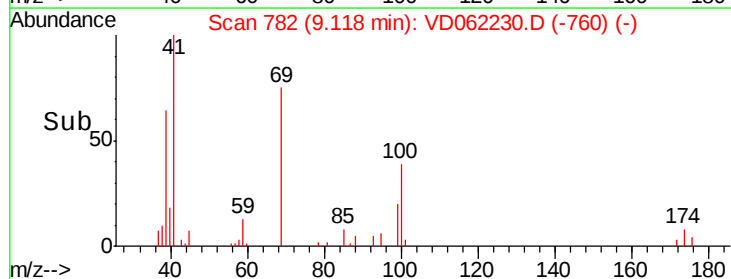
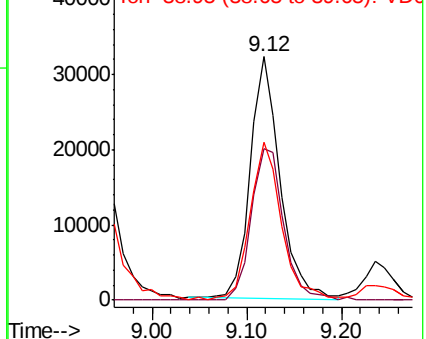
41 100

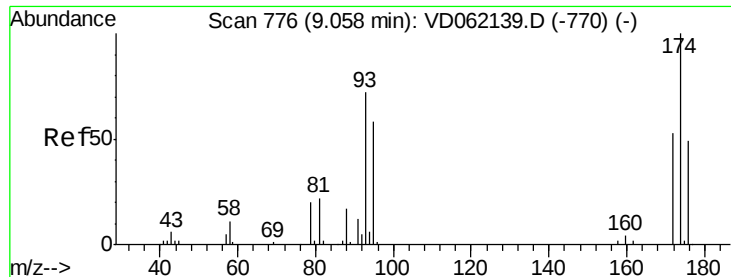
69 62.3 64.2 96.2#

39 64.8 46.8 70.2



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

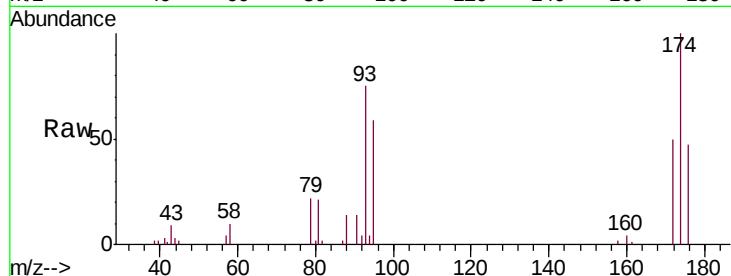




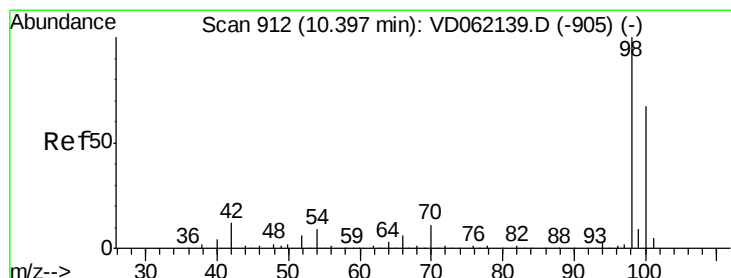
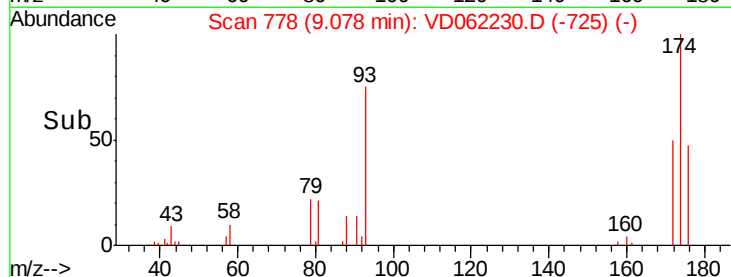
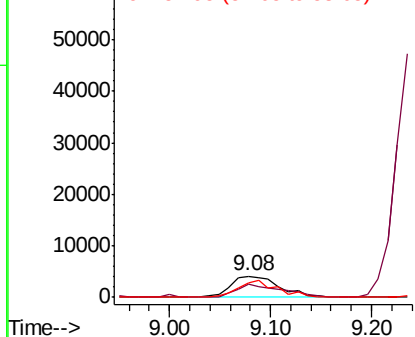
#49  
1,4-Dioxane  
Concen: 369.339 ug/l  
RT: 9.08 min Scan# 778  
Delta R.T. 0.02 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion: 88 Resp: 13805  
Ion Ratio Lower Upper  
88 100  
43 64.2 23.4 35.0#  
58 70.9 44.0 66.0#

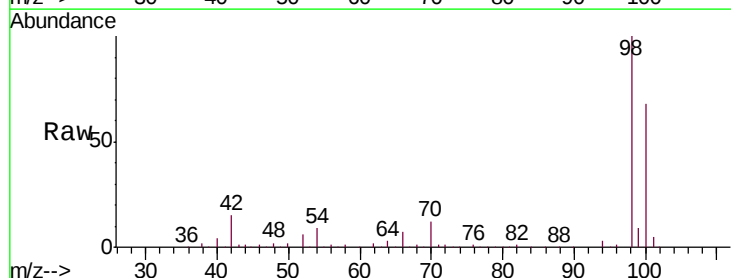


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

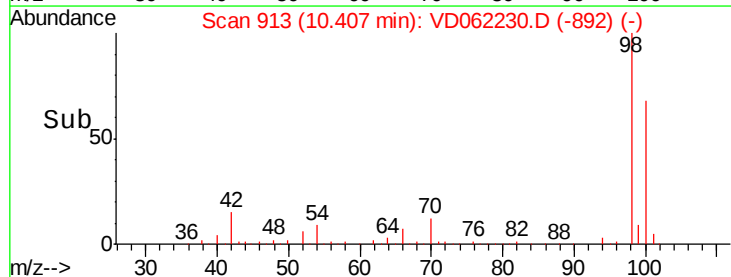
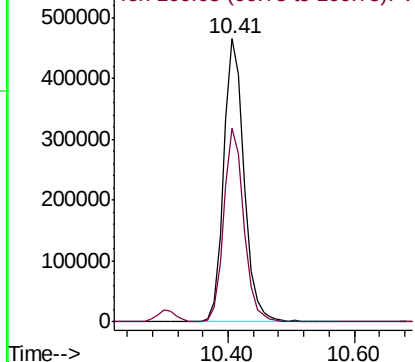


#50  
Toluene-d8  
Concen: 45.613 ug/l  
RT: 10.41 min Scan# 913  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 98 Resp: 1040684  
Ion Ratio Lower Upper  
98 100  
100 68.5 53.8 80.8



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

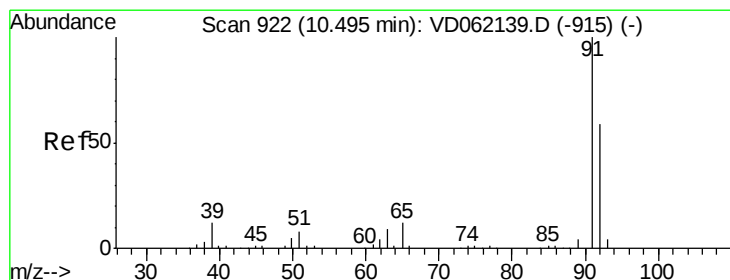
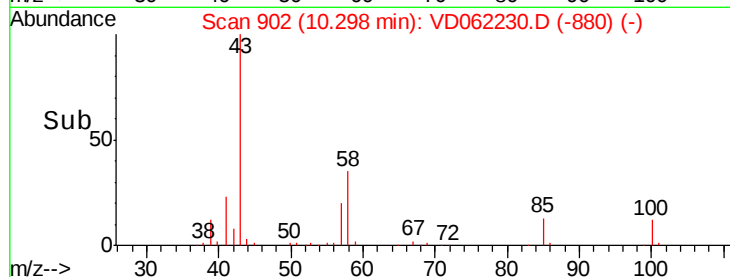
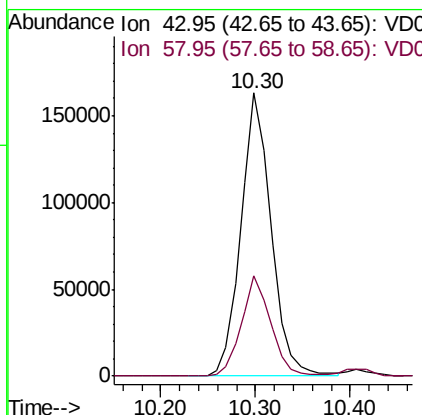
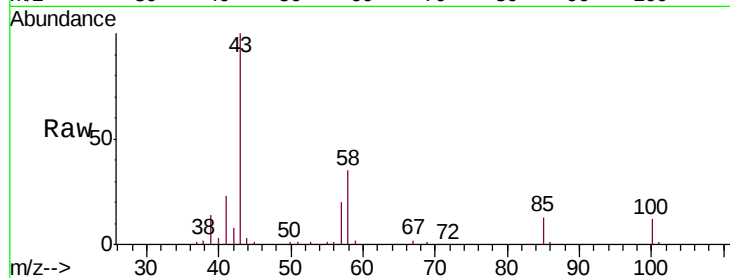




#51  
 4-Methyl-2-Pentanone  
 Concen: 99.926 ug/l  
 RT: 10.30 min Scan# 902  
 Delta R.T. 0.02 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

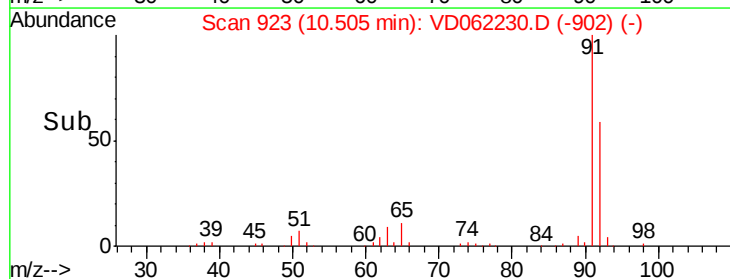
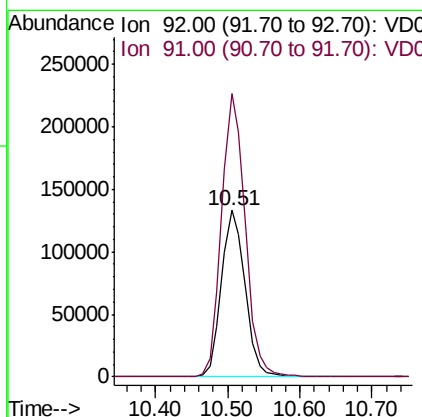
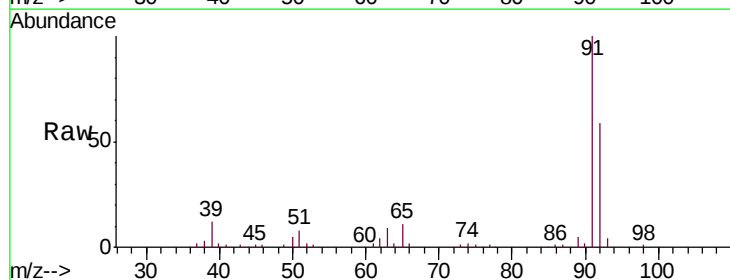
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

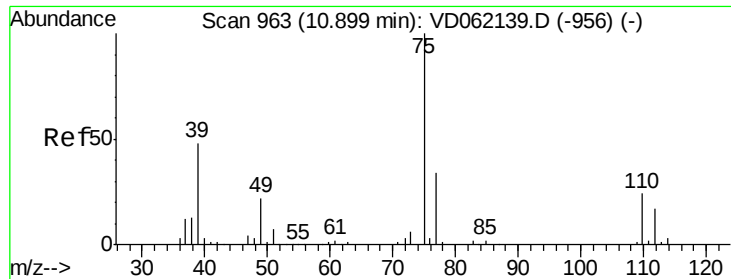
Tgt Ion: 43 Resp: 361257  
 Ion Ratio Lower Upper  
 43 100  
 58 35.5 30.4 45.6



#52  
 Toluene  
 Concen: 21.985 ug/l  
 RT: 10.51 min Scan# 923  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion: 92 Resp: 302048  
 Ion Ratio Lower Upper  
 92 100  
 91 170.2 136.6 204.8

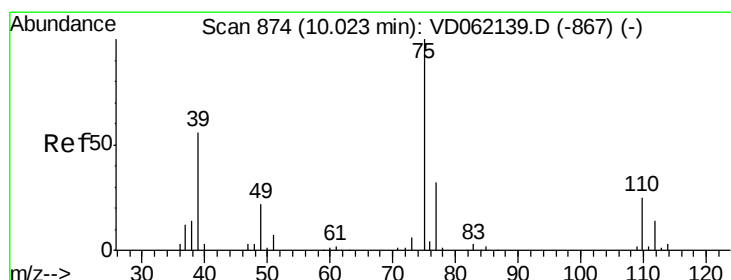
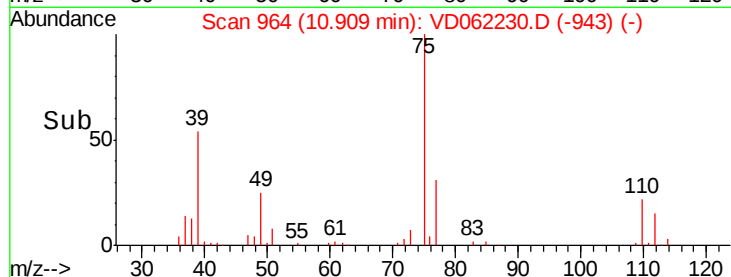
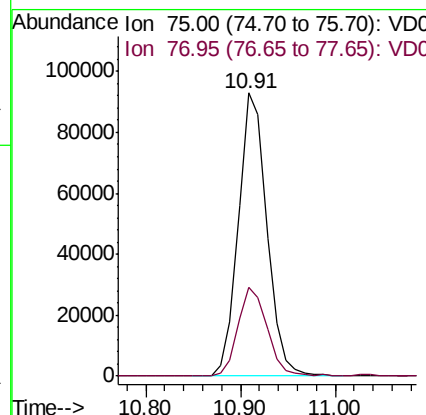
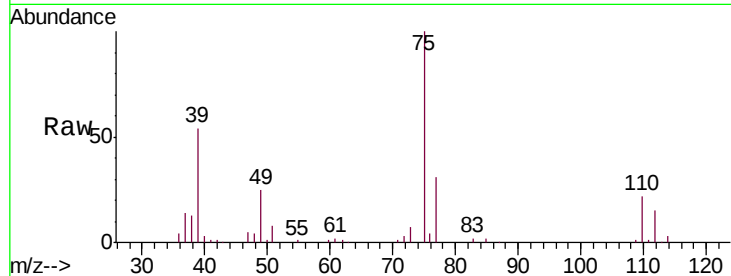




#53  
 t-1,3-Dichloropropene  
 Concen: 21.590 ug/l  
 RT: 10.91 min Scan# 964  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

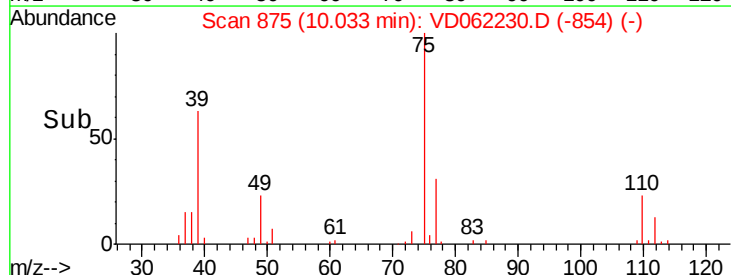
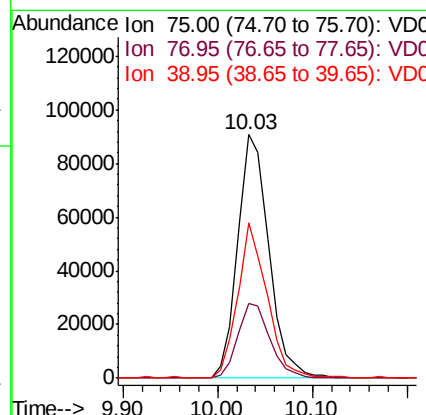
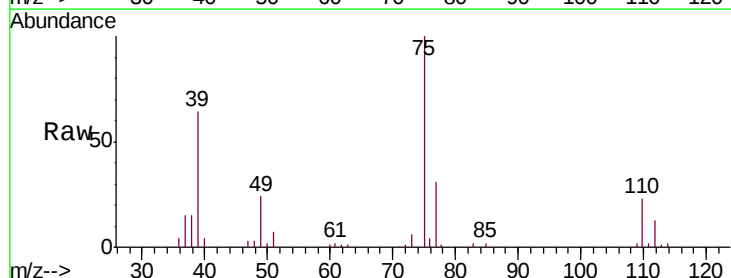
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

Tgt Ion: 75 Resp: 193852  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.8 38.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.138 ug/l  
 RT: 10.03 min Scan# 875  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion: 75 Resp: 207059  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.5 38.3  
 39 63.7 39.4 59.2#

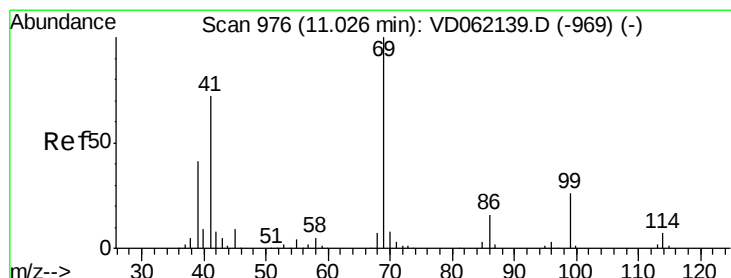
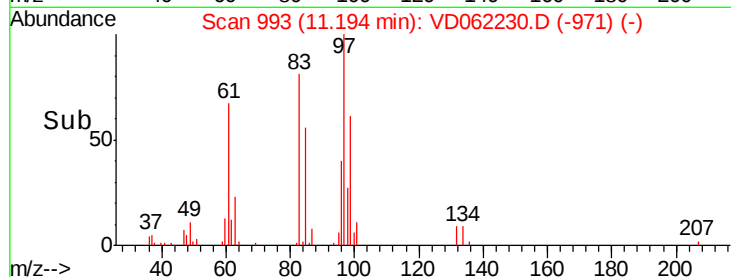
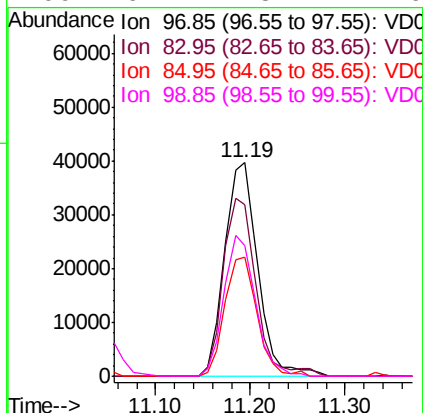
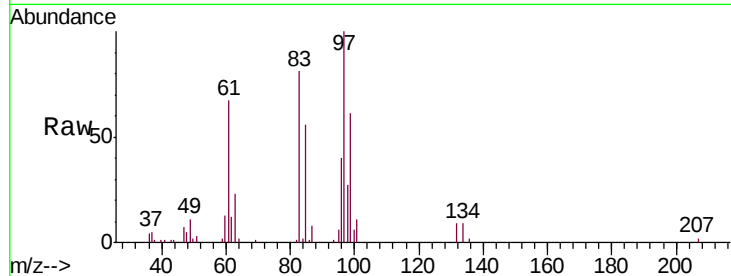




#55  
 1,1,2-Trichloroethane  
 Concen: 19.800 ug/l  
 RT: 11.19 min Scan# 993  
 Delta R.T. 0.02 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

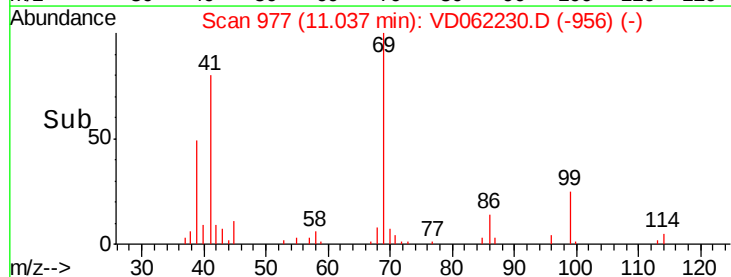
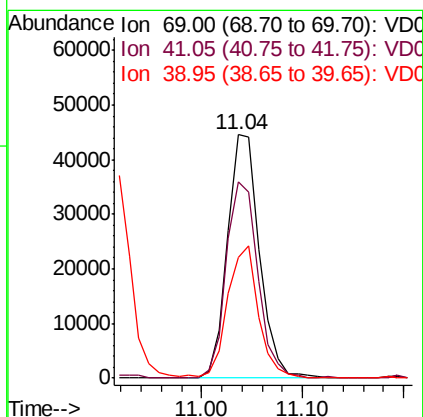
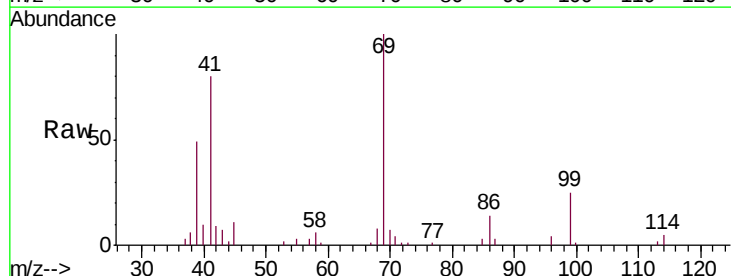
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

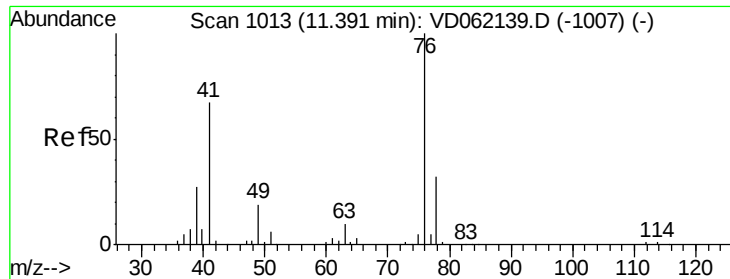
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 96248 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.5  | 65.7  | 98.5  |
| 85       | 55.9  | 45.6  | 68.4  |
| 99       | 61.1  | 48.4  | 72.6  |



#56  
 Ethyl methacrylate  
 Concen: 19.420 ug/l  
 RT: 11.04 min Scan# 977  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 98096 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 80.4  | 56.3  | 84.5  |
| 39       | 49.3  | 29.4  | 44.2# |





#57

1,3-Dichloropropane

Concen: 21.048 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

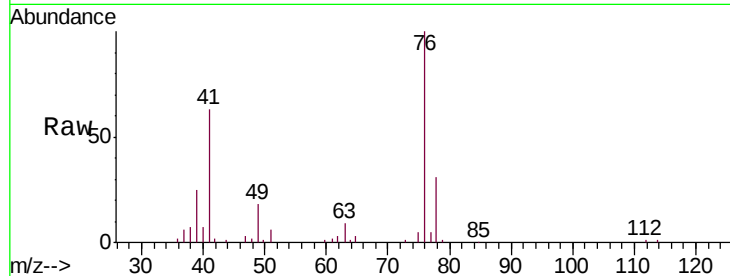
VD0511SBS01

Tgt Ion: 76 Resp: 154576

Ion Ratio Lower Upper

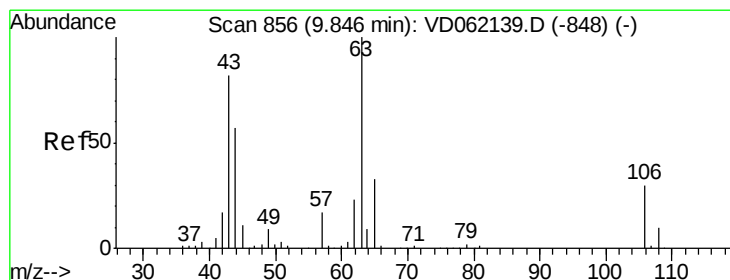
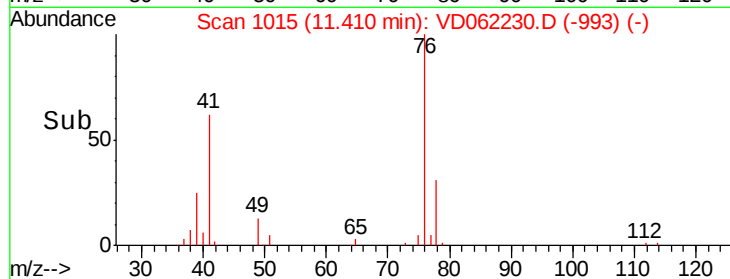
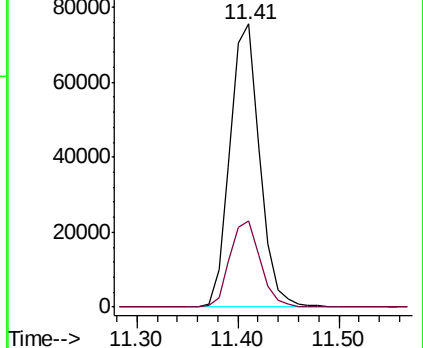
76 100

78 30.5 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 103.085 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062230.D

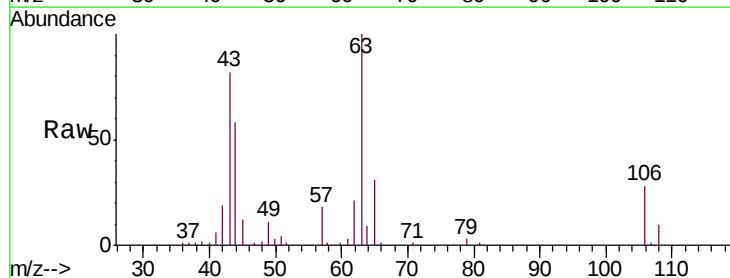
Acq: 11 May 2019 11:55

Tgt Ion: 63 Resp: 284436

Ion Ratio Lower Upper

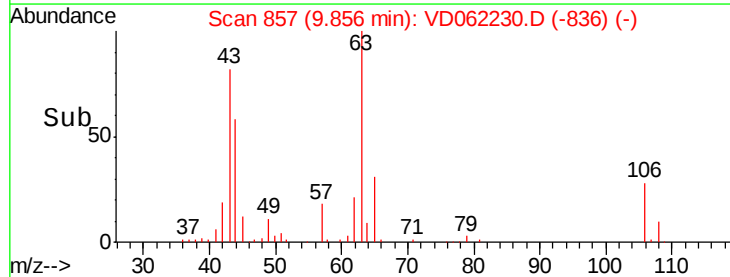
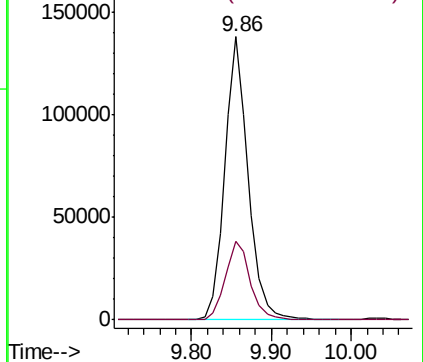
63 100

106 27.9 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

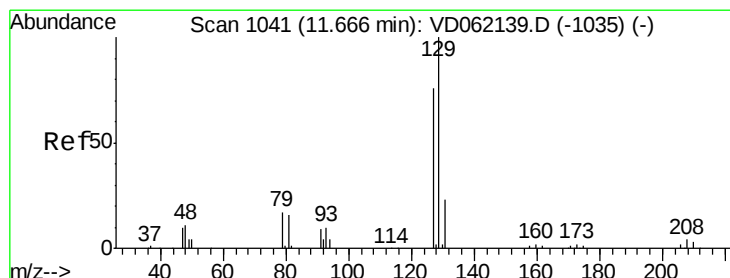
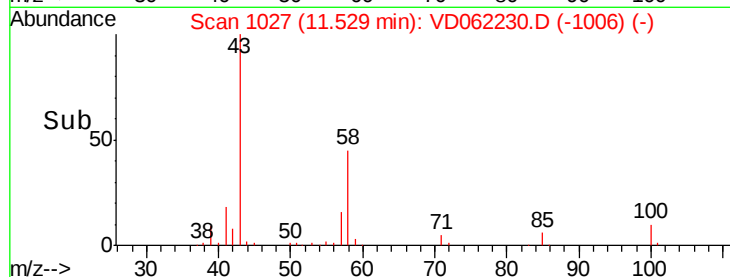
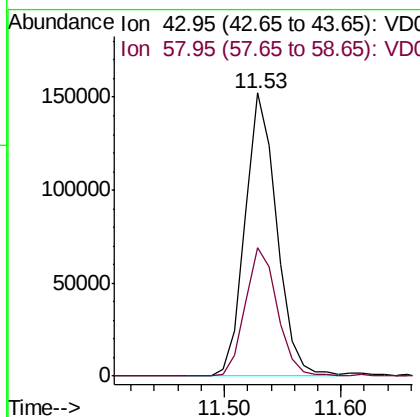
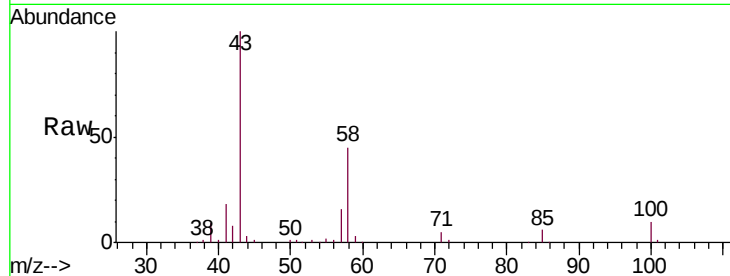




#59  
2-Hexanone  
Concen: 107.664 ug/l  
RT: 11.53 min Scan# 1027  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

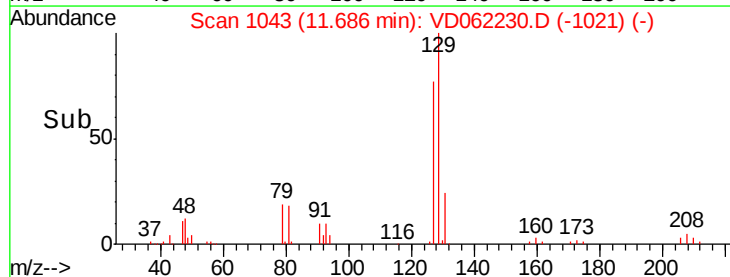
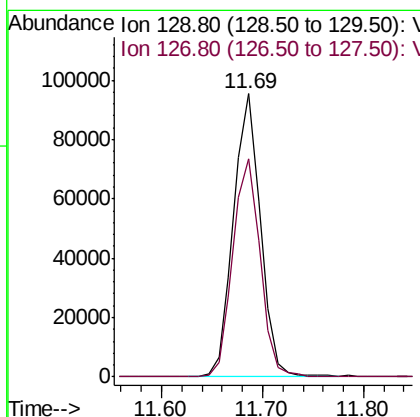
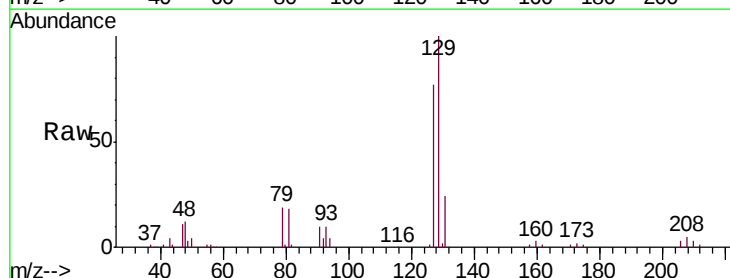
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion: 43 Resp: 286879  
Ion Ratio Lower Upper  
43 100  
58 45.3 25.4 76.4



#60  
Dibromochloromethane  
Concen: 21.191 ug/l  
RT: 11.69 min Scan# 1043  
Delta R.T. 0.02 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 129 Resp: 178023  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.0 113.9

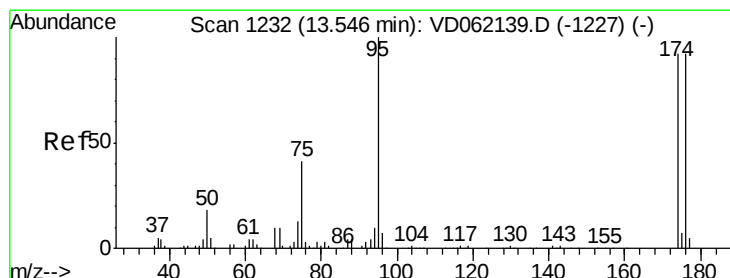
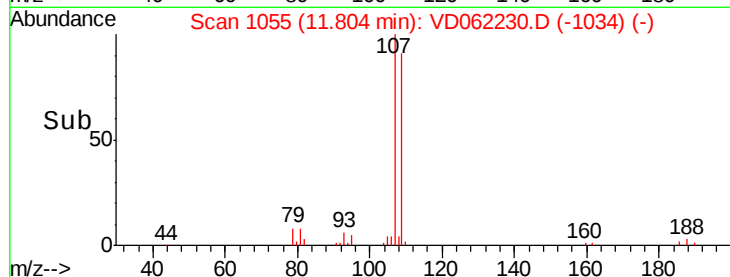
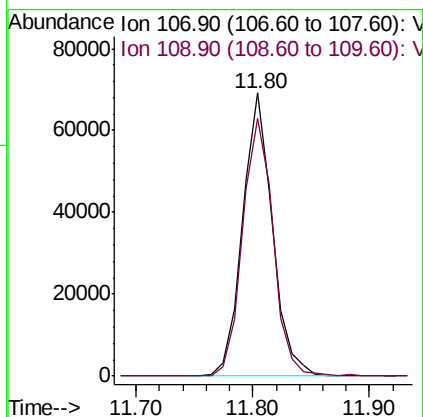
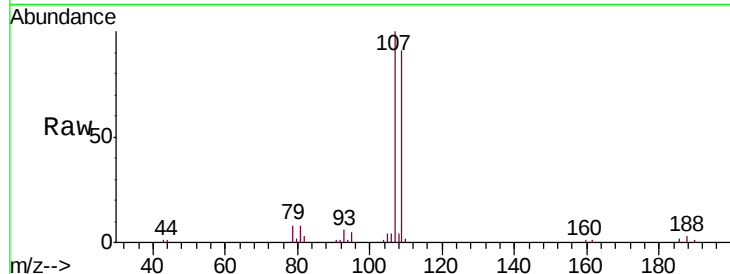




#61  
 1,2-Dibromoethane  
 Concen: 20.700 ug/l  
 RT: 11.80 min Scan# 1055  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

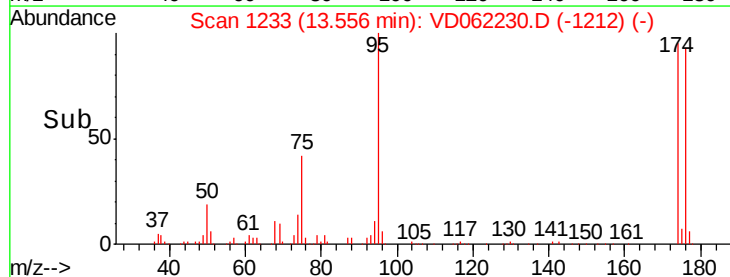
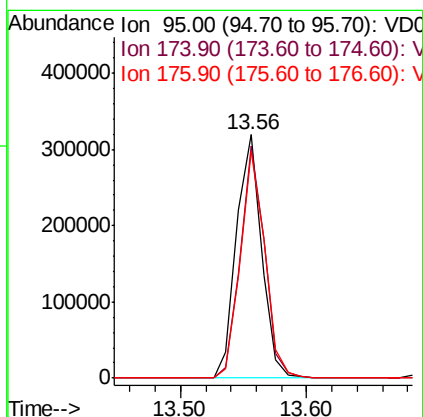
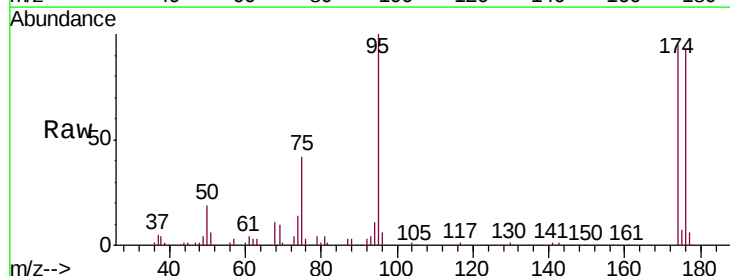
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

Tgt Ion: 107 Resp: 122336  
 Ion Ratio Lower Upper  
 107 100  
 109 91.0 78.3 117.5



#62  
 4-Bromofluorobenzene  
 Concen: 47.654 ug/l  
 RT: 13.56 min Scan# 1233  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion: 95 Resp: 436607  
 Ion Ratio Lower Upper  
 95 100  
 174 95.4 0.0 181.8  
 176 93.1 0.0 174.4

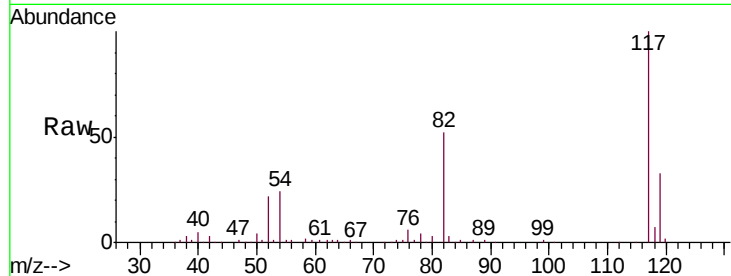




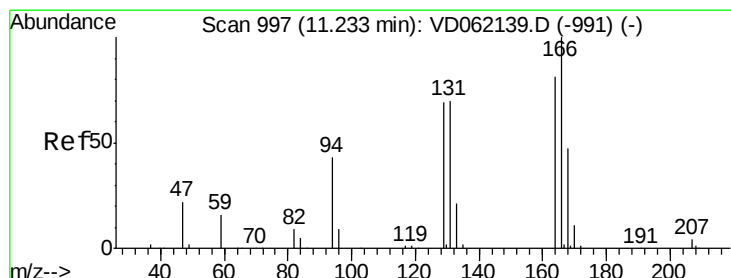
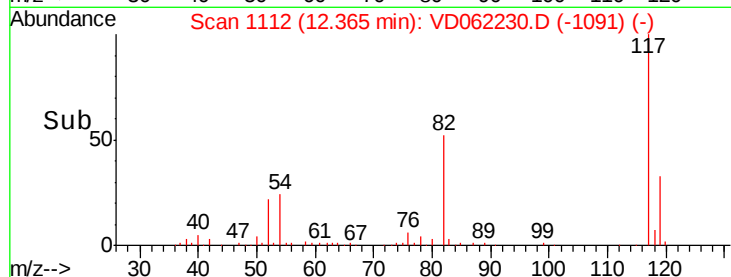
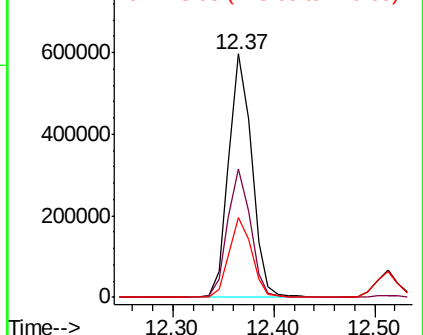
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion:117 Resp: 954988  
Ion Ratio Lower Upper  
117 100  
82 52.5 36.2 54.2  
119 32.7 26.2 39.4

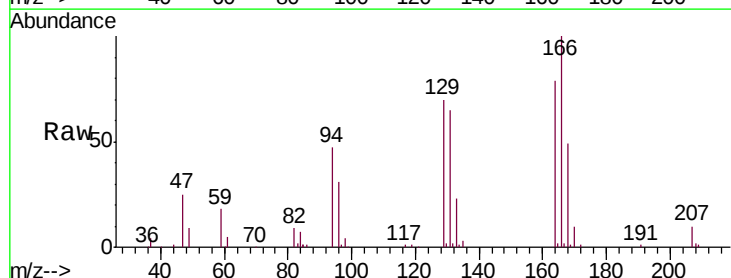


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

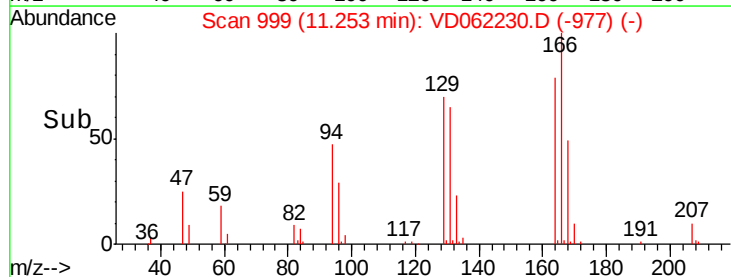
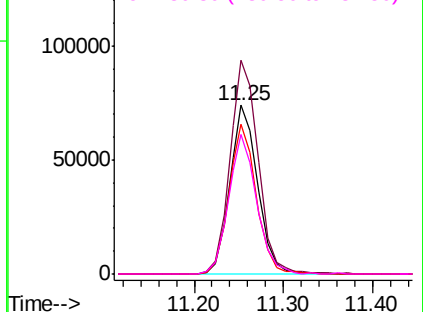


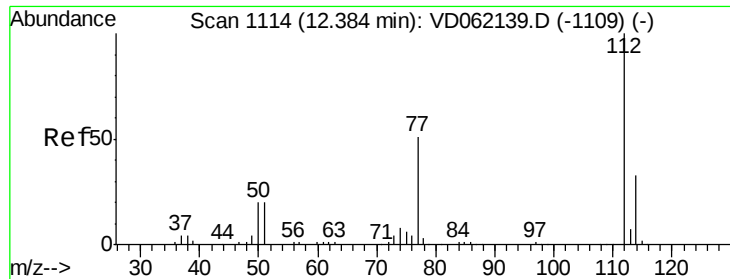
#64  
Tetrachloroethene  
Concen: 21.634 ug/l  
RT: 11.25 min Scan# 999  
Delta R.T. 0.02 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion:164 Resp: 161557  
Ion Ratio Lower Upper  
164 100  
166 126.7 101.5 152.3  
129 88.6 74.6 112.0  
131 82.7 72.6 108.8



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





#65

Chlorobenzene

Concen: 21.256 ug/l

RT: 12.39 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

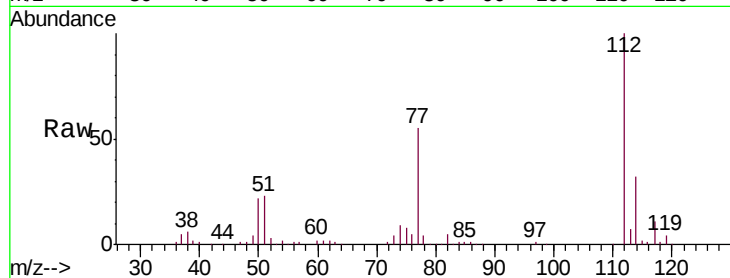
VD0511SBS01

Tgt Ion:112 Resp: 378078

Ion Ratio Lower Upper

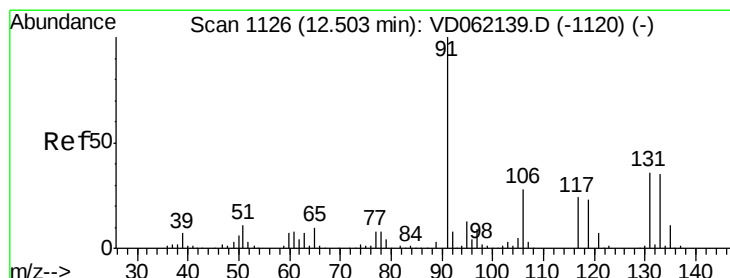
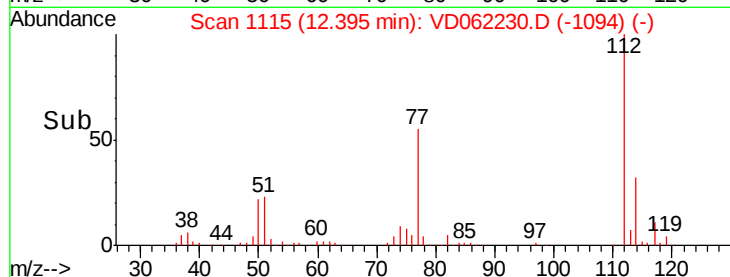
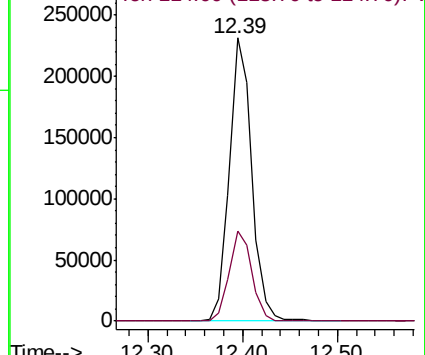
112 100

114 31.9 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.968 ug/l

RT: 12.51 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

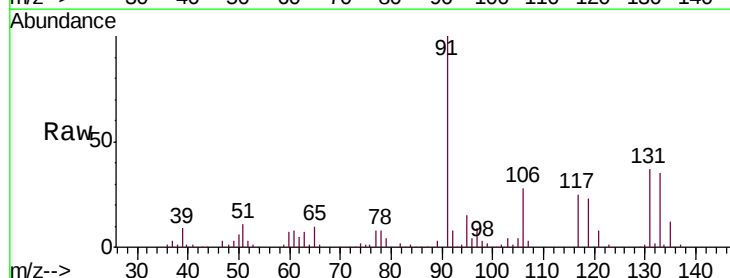
Tgt Ion:131 Resp: 162316

Ion Ratio Lower Upper

131 100

133 94.5 48.6 145.8

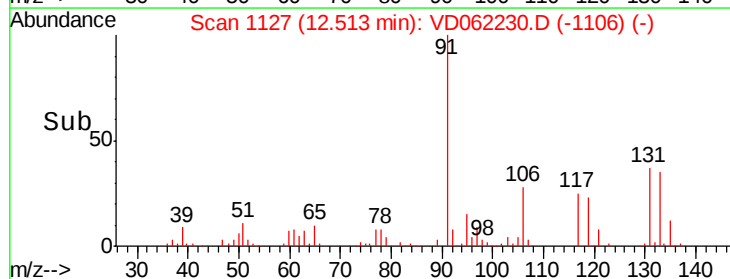
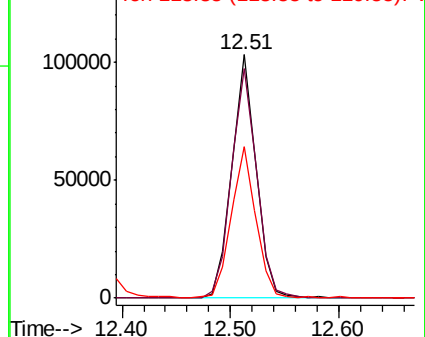
119 62.3 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

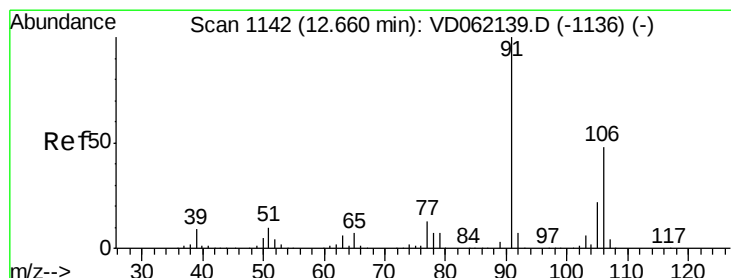
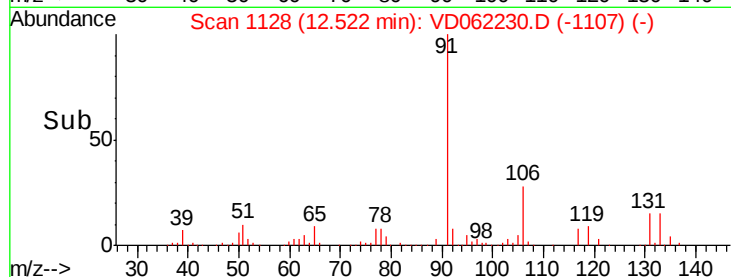
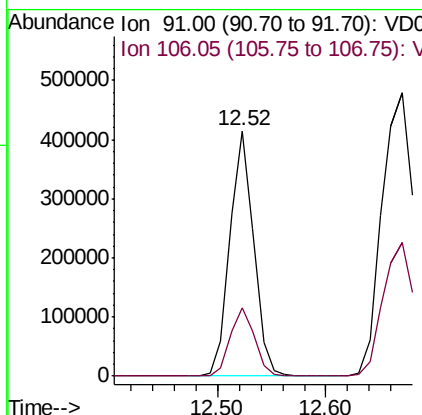
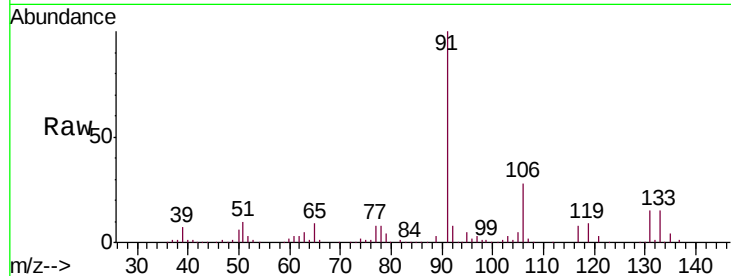




#67  
Ethyl Benzene  
Concen: 21.468 ug/l  
RT: 12.52 min Scan# 1128  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

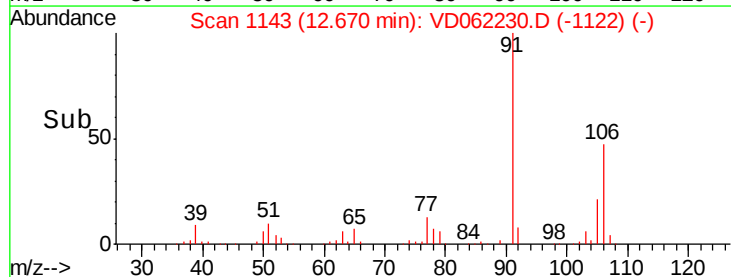
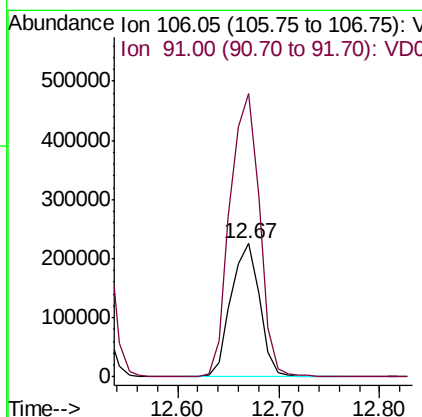
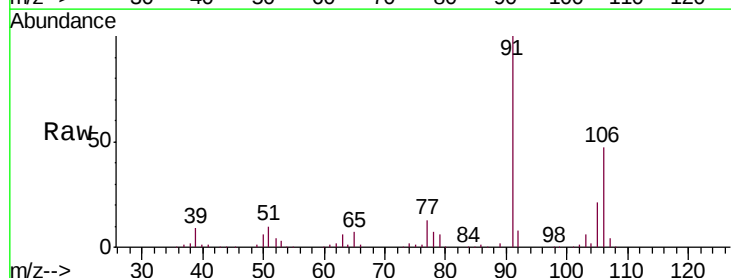
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion: 91 Resp: 639266  
Ion Ratio Lower Upper  
91 100  
106 28.0 24.7 37.1



#68  
m/p-Xylenes  
Concen: 41.161 ug/l  
RT: 12.67 min Scan# 1143  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 106 Resp: 445934  
Ion Ratio Lower Upper  
106 100  
91 212.8 164.0 246.0

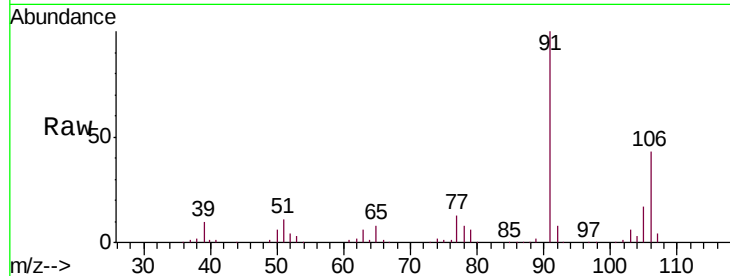




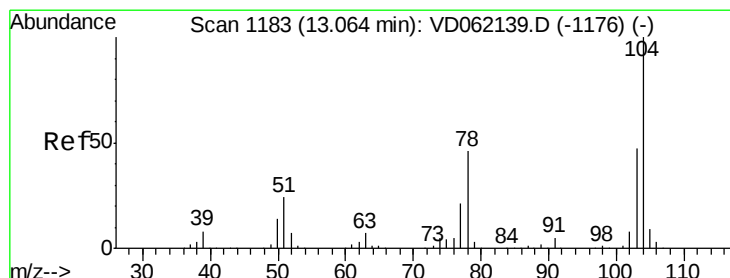
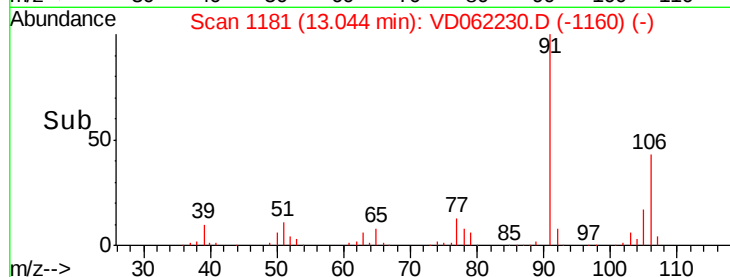
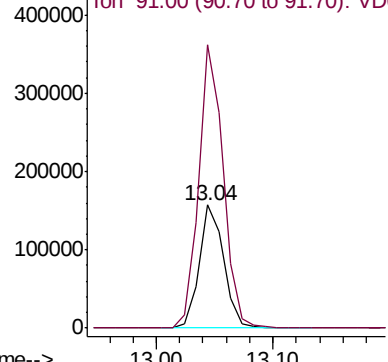
#69  
o-Xylene  
Concen: 22.683 ug/l  
RT: 13.04 min Scan# 1181  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion:106 Resp: 228470  
Ion Ratio Lower Upper  
106 100  
91 230.5 106.7 319.9

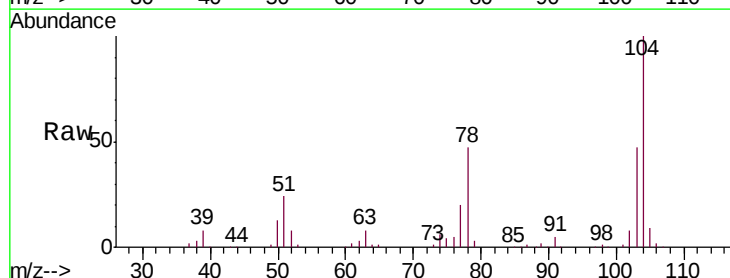


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

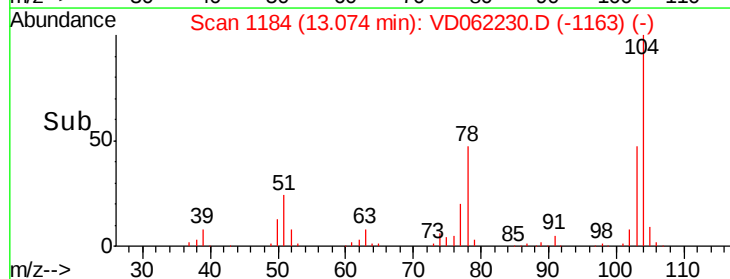
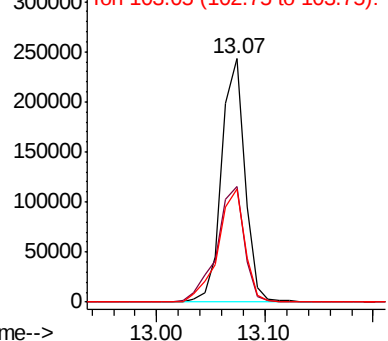


#70  
Styrene  
Concen: 21.332 ug/l  
RT: 13.07 min Scan# 1184  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion:104 Resp: 363969  
Ion Ratio Lower Upper  
104 100  
78 47.4 35.4 53.2  
103 46.7 37.5 56.3



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





#71

Bromoform

Concen: 21.384 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

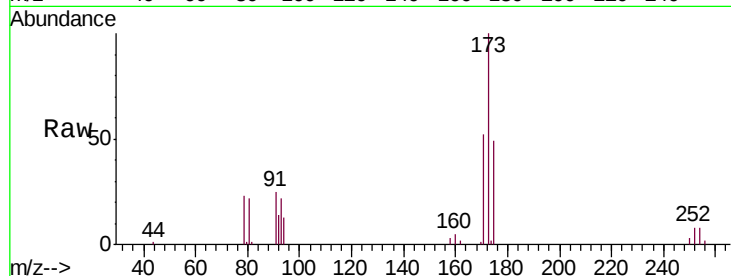
Tgt Ion:173 Resp: 115167

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

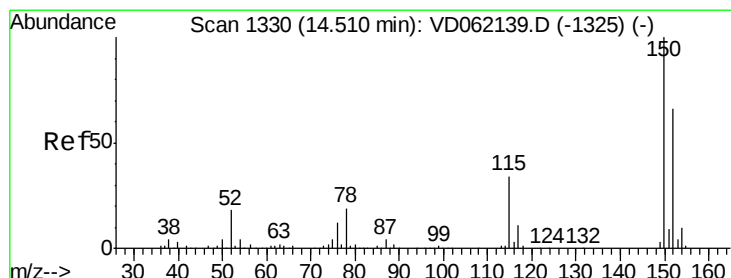
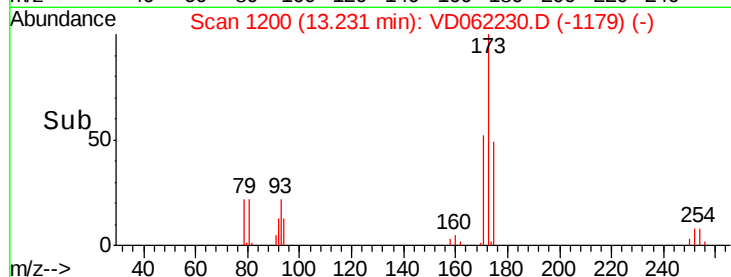
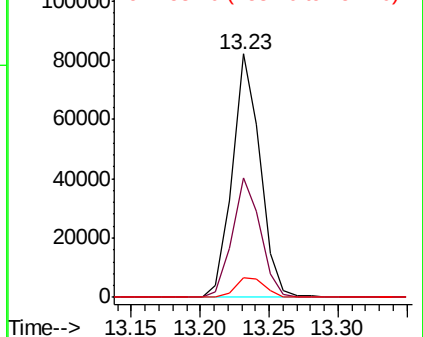
254 7.9 5.4 8.2



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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

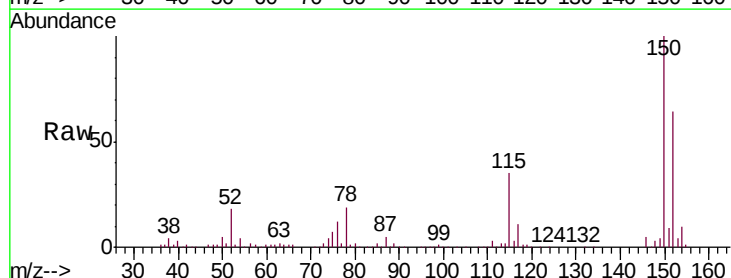
Tgt Ion:152 Resp: 467720

Ion Ratio Lower Upper

152 100

115 53.8 30.9 92.7

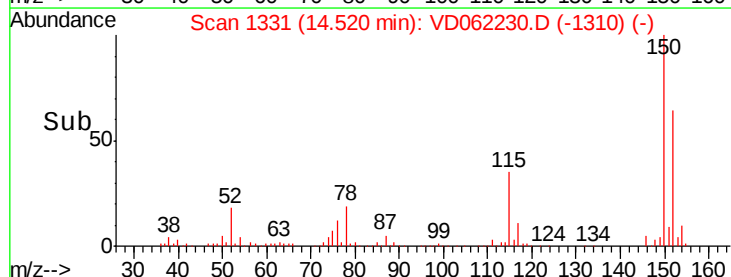
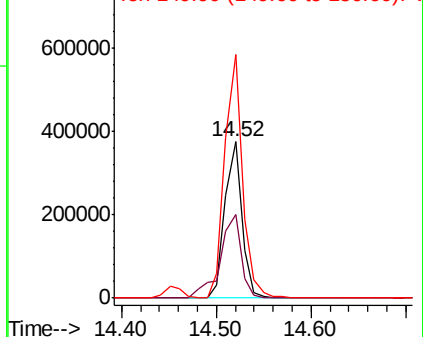
150 155.7 0.0 314.8

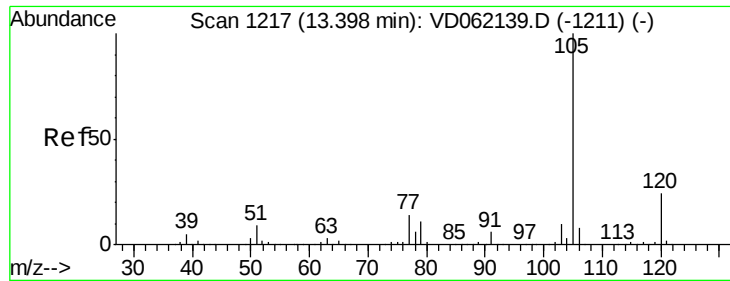


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.337 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

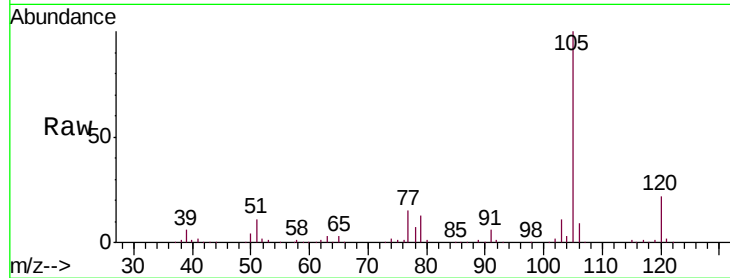
VD0511SBS01

Tgt Ion:105 Resp: 682314

Ion Ratio Lower Upper

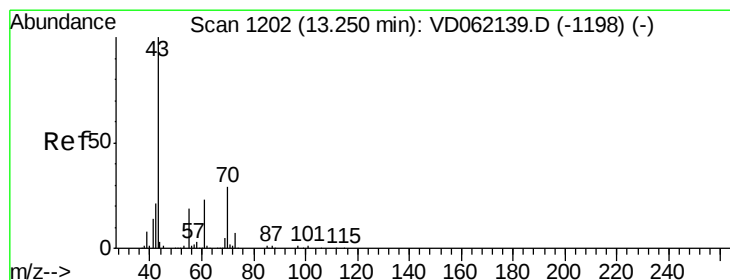
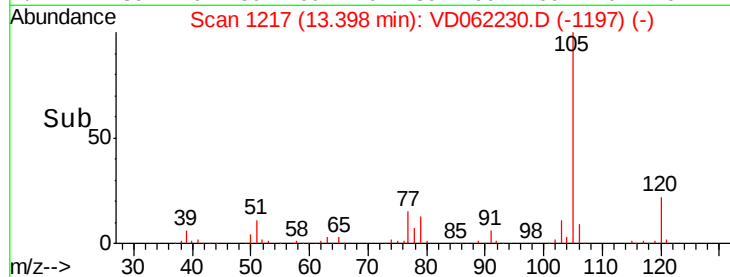
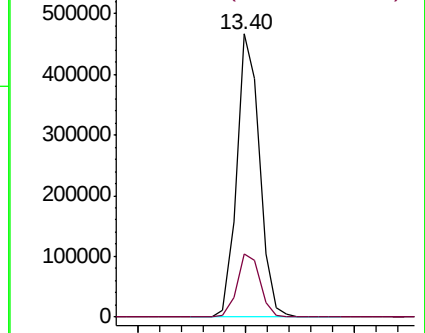
105 100

120 22.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.120 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Tgt Ion: 43 Resp: 147894

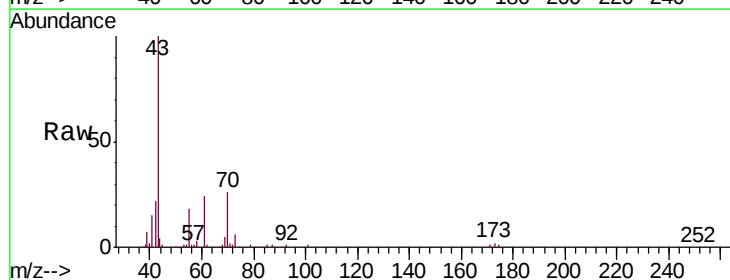
Ion Ratio Lower Upper

43 100

70 25.6 24.2 36.4

55 18.3 16.0 24.0

61 24.3 21.6 32.4

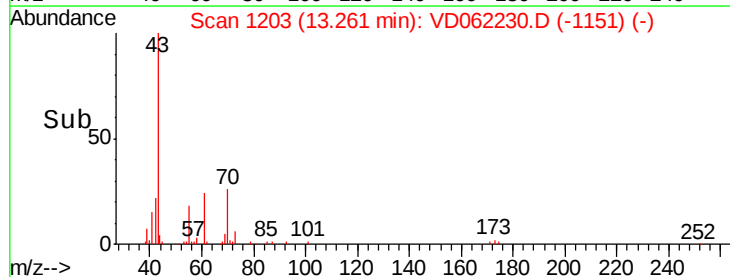
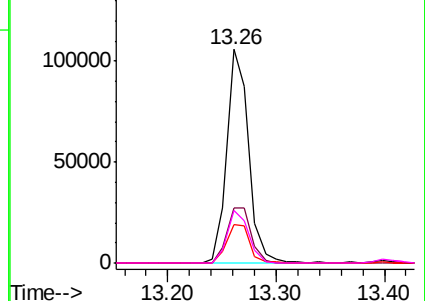


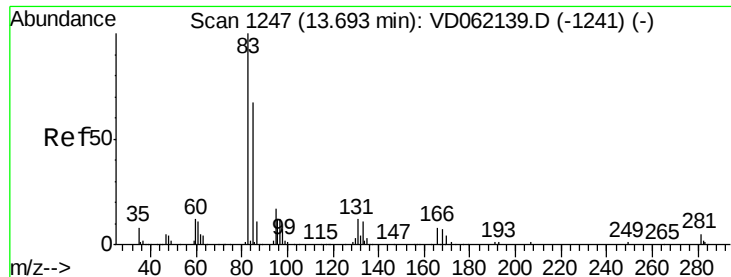
Abundance Ion 42.95 (42.65 to 43.65): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.698 ug/l

RT: 13.69 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

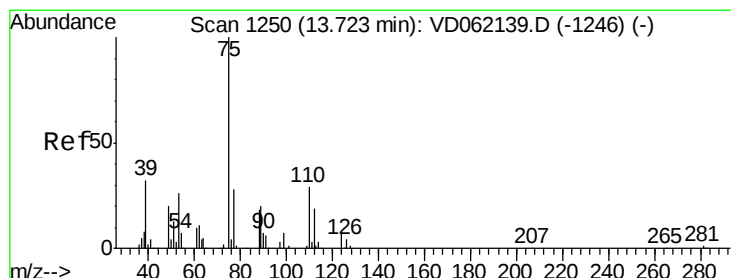
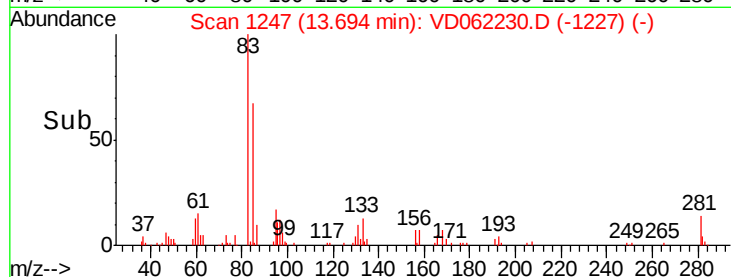
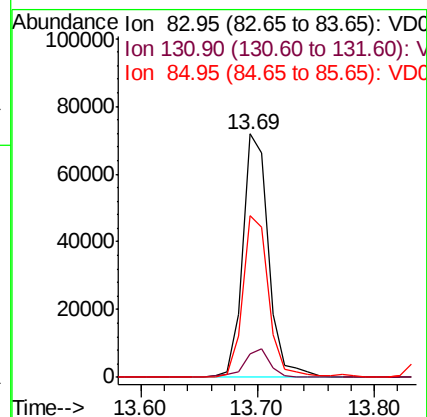
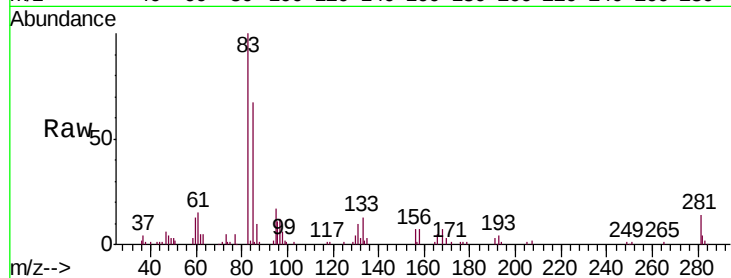
Tgt Ion: 83 Resp: 109859

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

85 66.6 32.6 97.7



#76

1,2,3-Trichloropropane

Concen: 21.507 ug/l

RT: 13.73 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062230.D

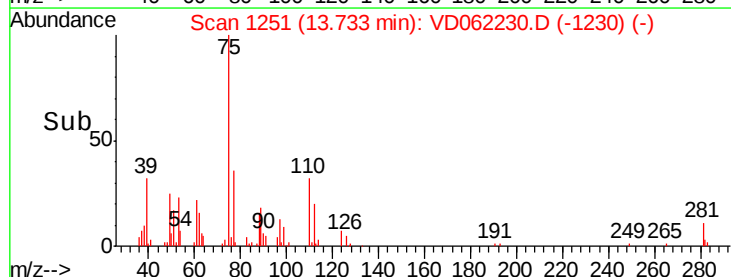
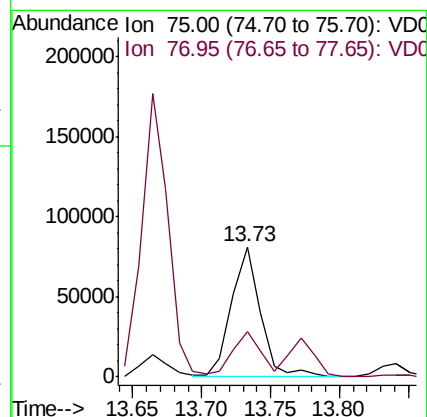
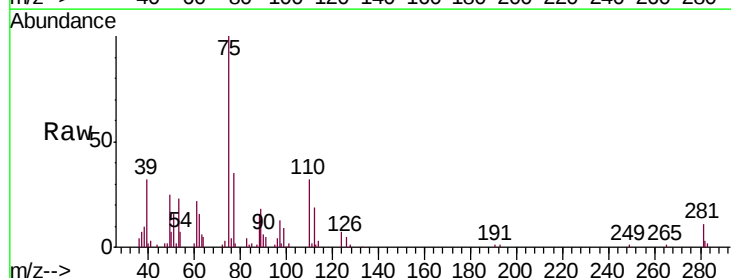
Acq: 11 May 2019 11:55

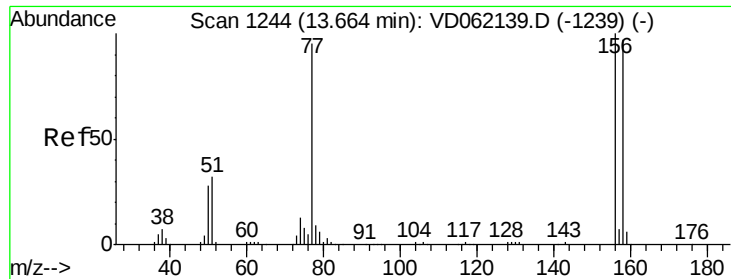
Tgt Ion: 75 Resp: 119548

Ion Ratio Lower Upper

75 100

77 35.2 16.4 49.4

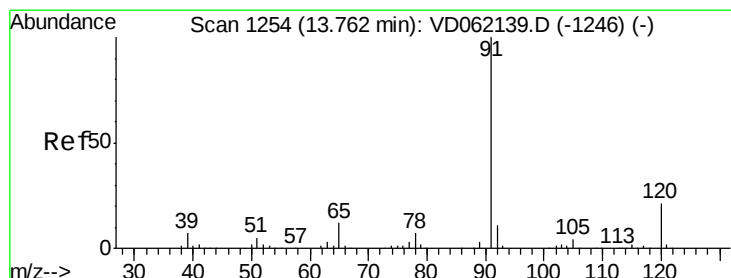
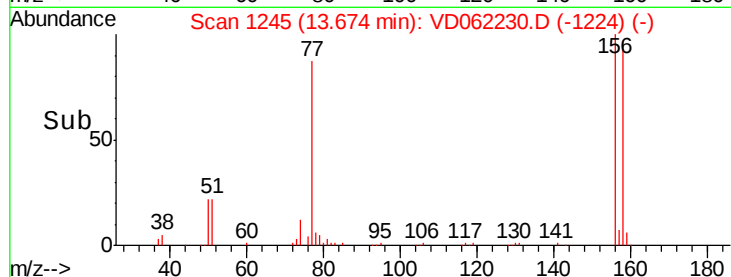
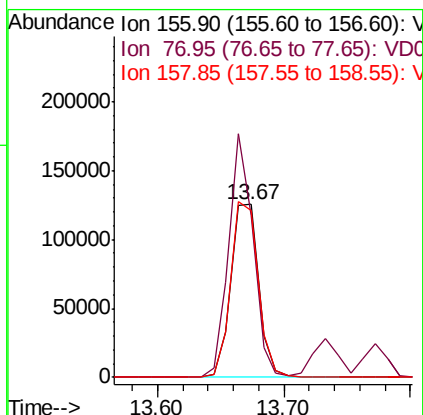
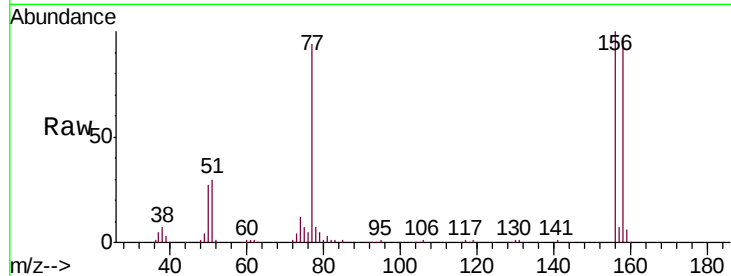




#77  
Bromobenzene  
Concen: 24.188 ug/l  
RT: 13.67 min Scan# 1245  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

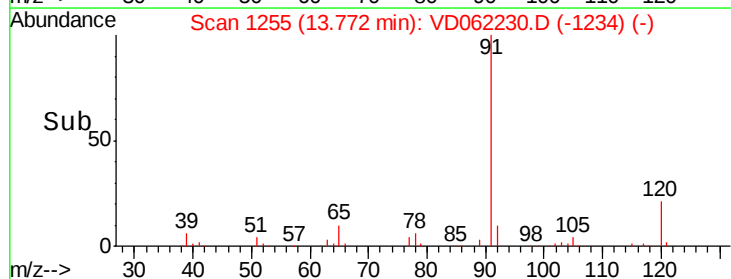
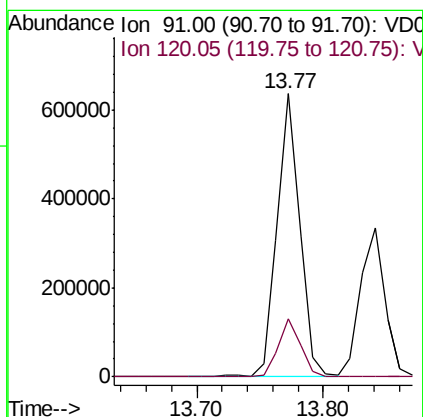
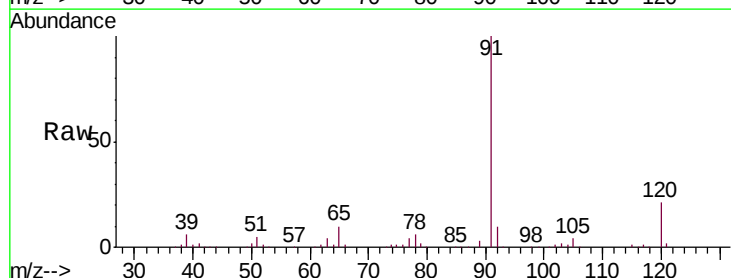
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

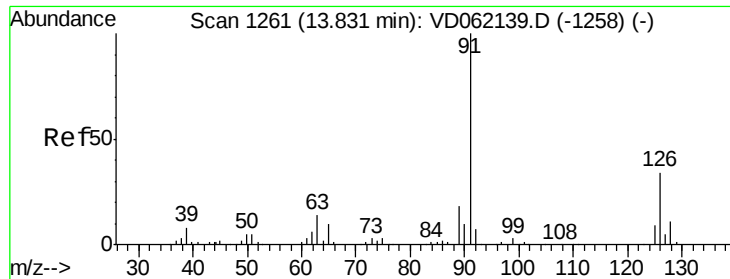
Tgt Ion:156 Resp: 189835  
Ion Ratio Lower Upper  
156 100  
77 93.5 53.1 159.4  
158 96.8 49.4 148.0



#78  
n-propylbenzene  
Concen: 23.939 ug/l  
RT: 13.77 min Scan# 1255  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion: 91 Resp: 800619  
Ion Ratio Lower Upper  
91 100  
120 20.7 11.1 33.1





#79

2-Chlorotoluene

Concen: 23.421 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

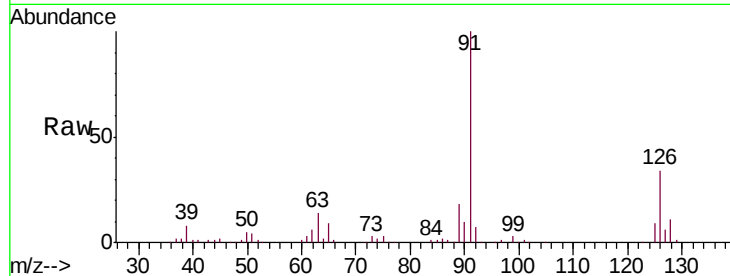
VD0511SBS01

Tgt Ion: 91 Resp: 448619

Ion Ratio Lower Upper

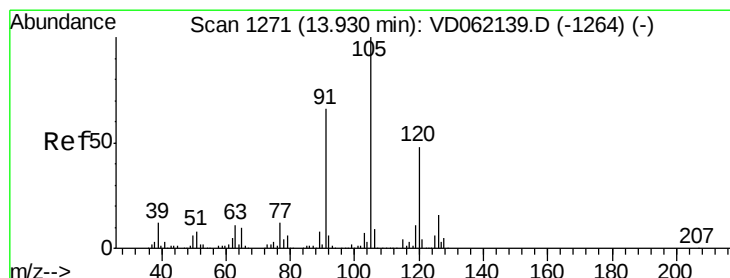
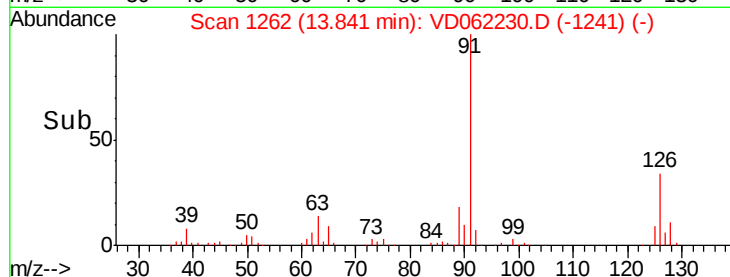
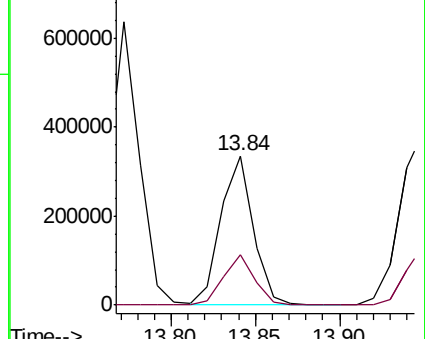
91 100

126 34.0 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.496 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062230.D

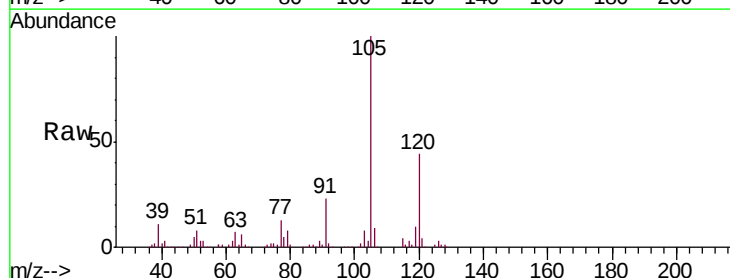
Acq: 11 May 2019 11:55

Tgt Ion: 105 Resp: 531109

Ion Ratio Lower Upper

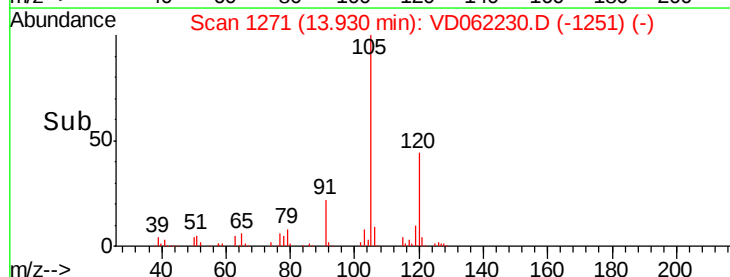
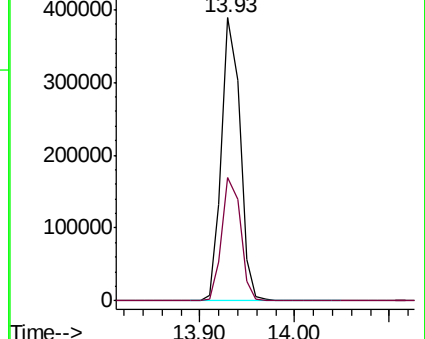
105 100

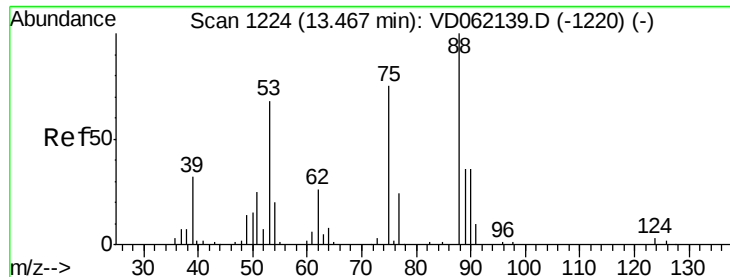
120 43.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.459 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

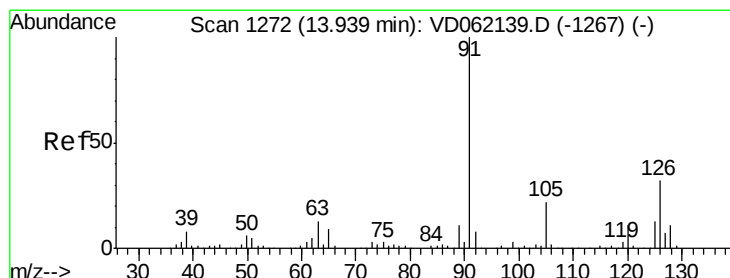
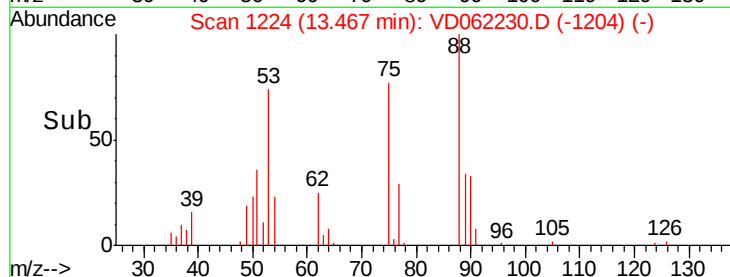
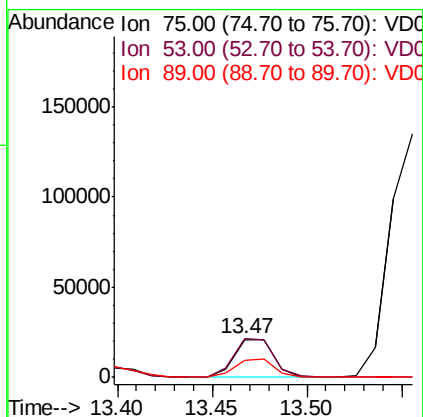
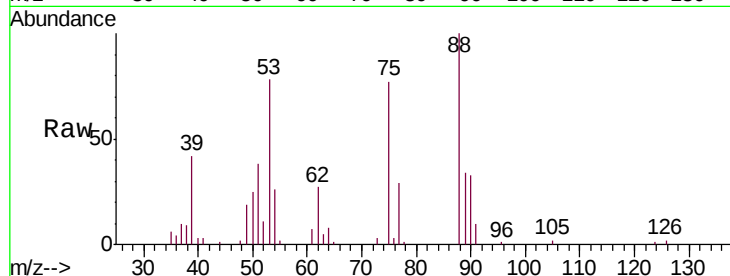
Tgt Ion: 75 Resp: 30535

Ion Ratio Lower Upper

75 100

53 100.5 65.8 98.8#

89 44.2 35.0 52.6



#82

4-Chlorotoluene

Concen: 24.412 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062230.D

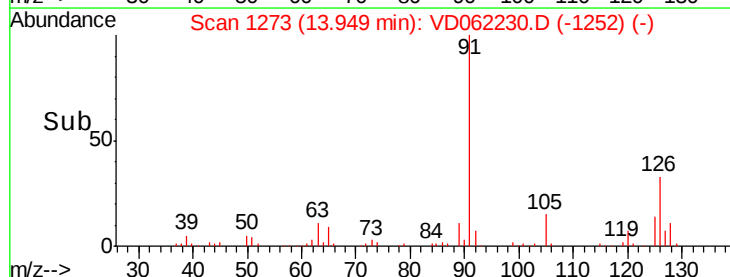
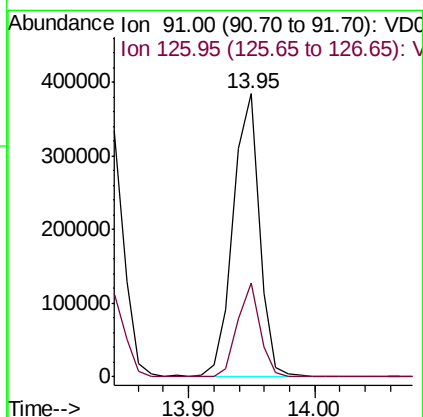
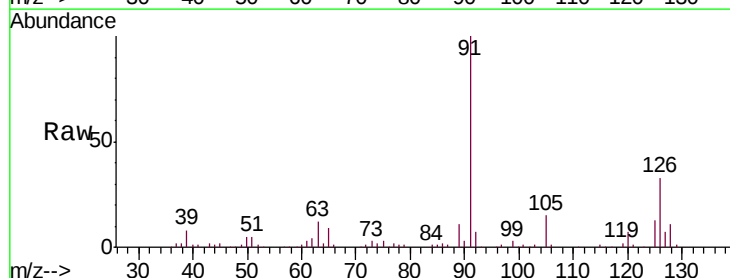
Acq: 11 May 2019 11:55

Tgt Ion: 91 Resp: 550238

Ion Ratio Lower Upper

91 100

126 33.3 19.1 57.5

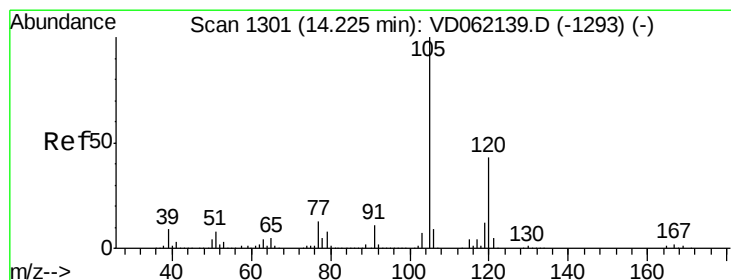
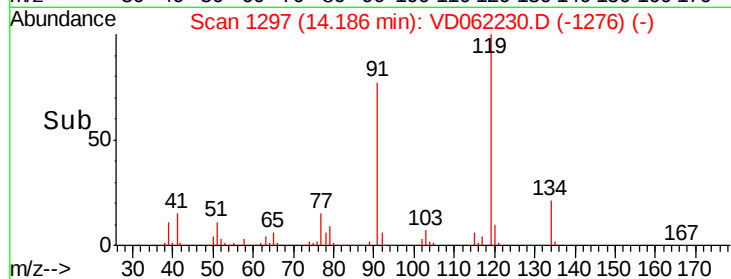
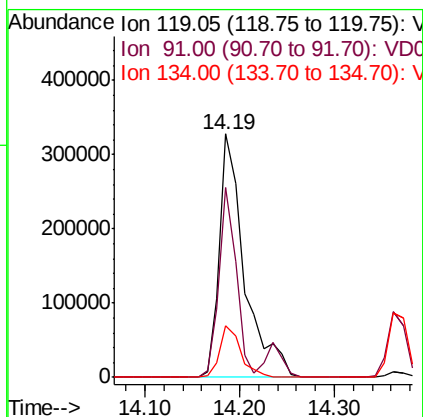
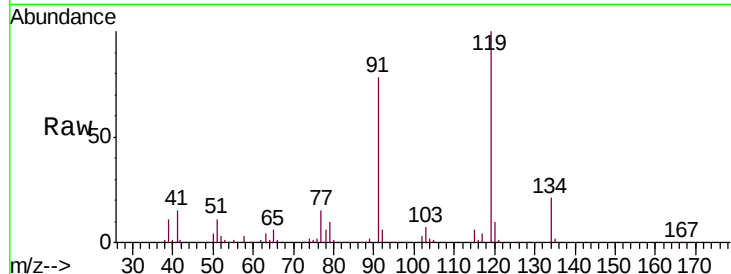




#83  
 tert-Butylbenzene  
 Concen: 22.702 ug/l  
 RT: 14.19 min Scan# 1297  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

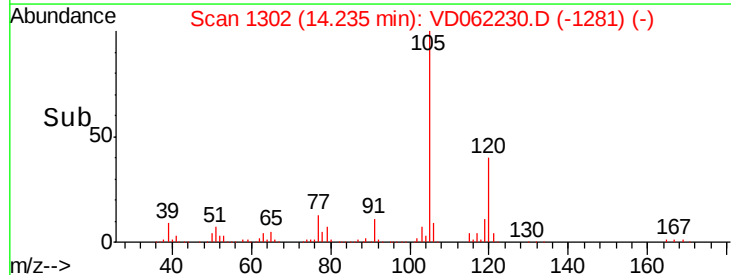
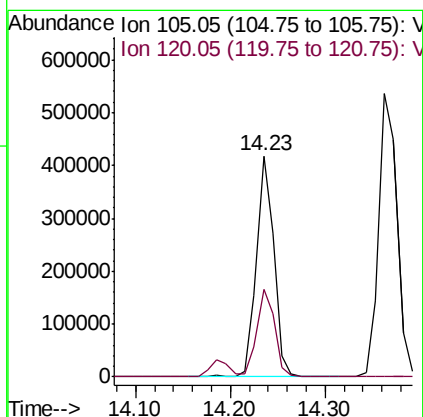
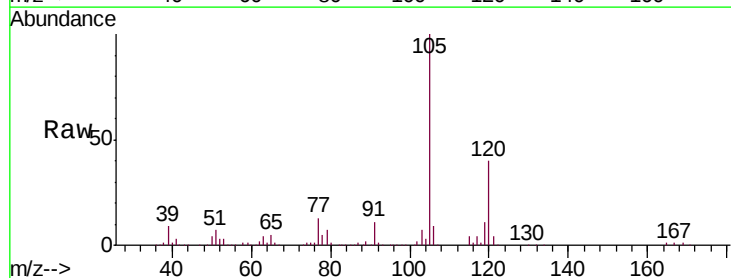
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

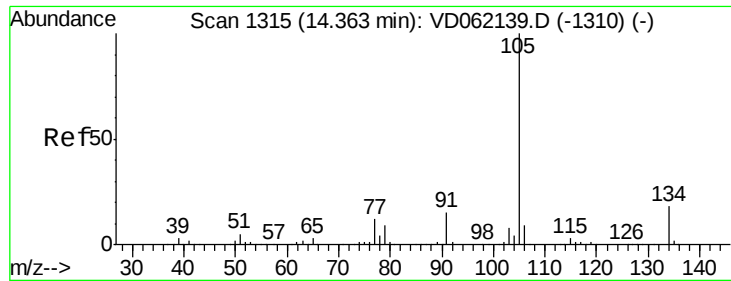
Tgt Ion:119 Resp: 602438  
 Ion Ratio Lower Upper  
 119 100  
 91 78.1 34.2 102.6  
 134 21.4 12.0 36.0



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.673 ug/l  
 RT: 14.23 min Scan# 1302  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion:105 Resp: 537151  
 Ion Ratio Lower Upper  
 105 100  
 120 39.8 23.1 69.2

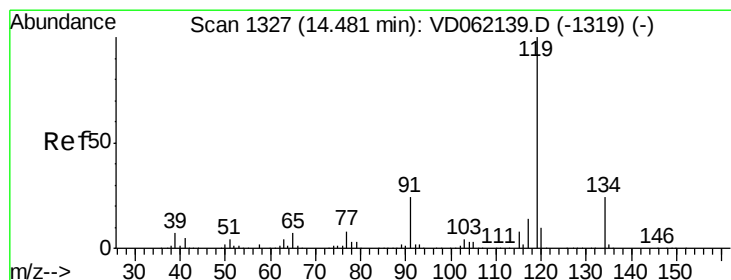
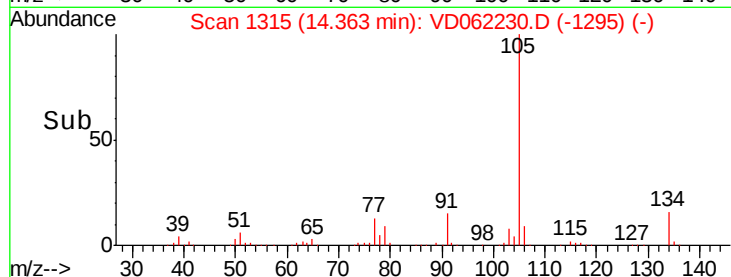
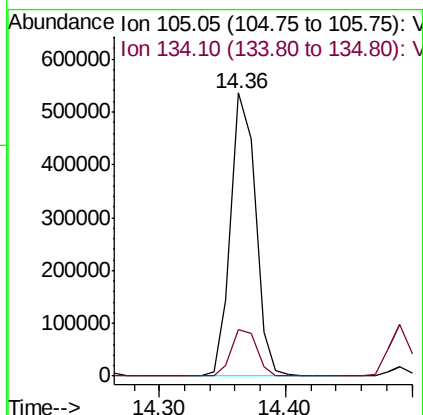
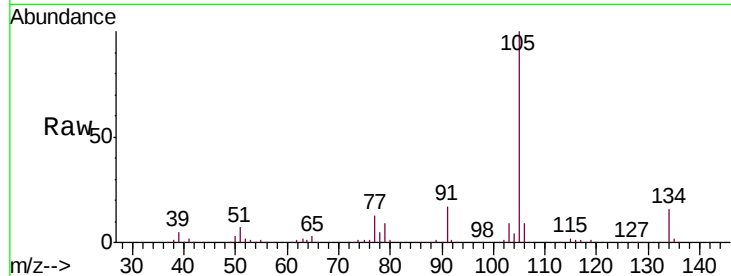




#85  
 sec-Butylbenzene  
 Concen: 25.131 ug/l  
 RT: 14.36 min Scan# 1315  
 Delta R.T. 0.00 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

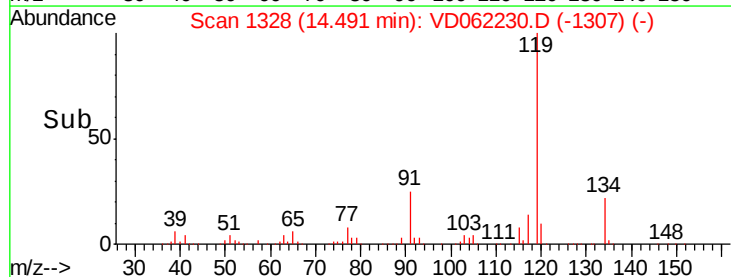
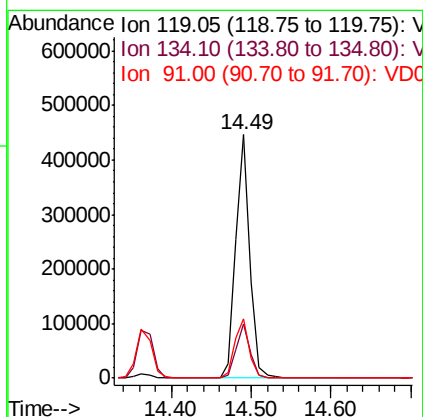
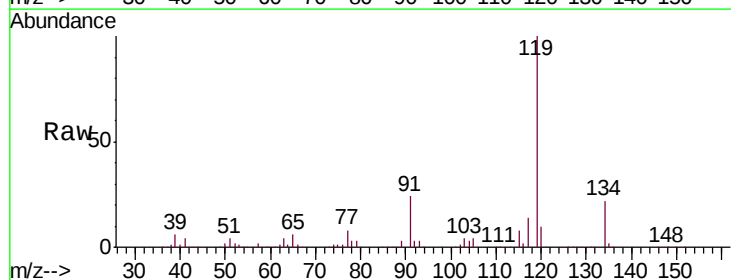
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

Tgt Ion:105 Resp: 731187  
 Ion Ratio Lower Upper  
 105 100  
 134 16.3 8.9 26.7



#86  
 p-Isopropyltoluene  
 Concen: 21.222 ug/l  
 RT: 14.49 min Scan# 1328  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion:119 Resp: 551647  
 Ion Ratio Lower Upper  
 119 100  
 134 22.1 12.8 38.3  
 91 24.5 10.7 32.1

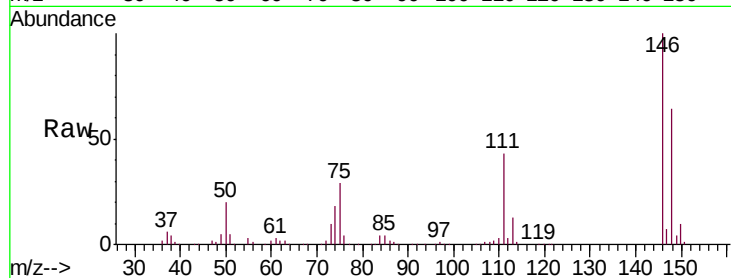




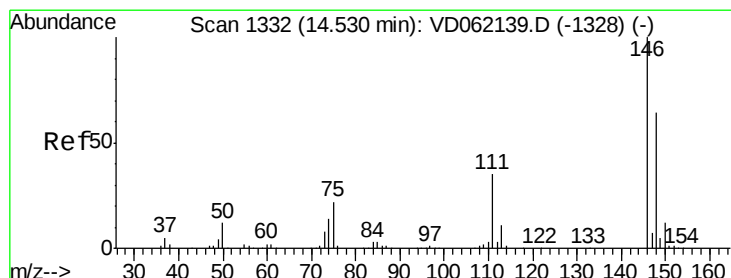
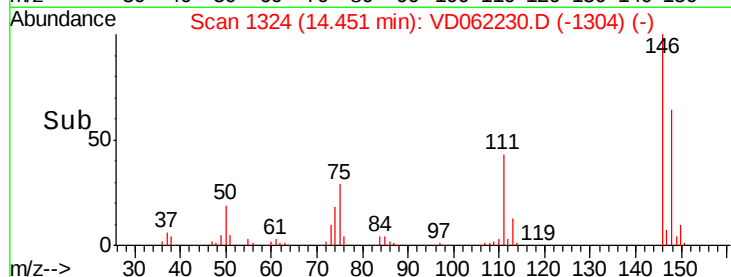
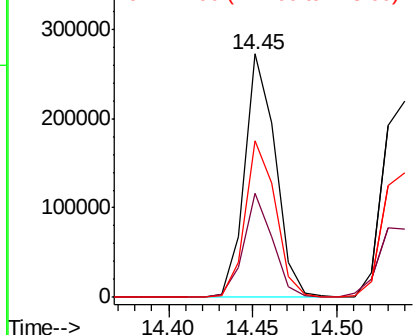
#87  
 1,3-Dichlorobenzene  
 Concen: 24.114 ug/l  
 RT: 14.45 min Scan# 1324  
 Delta R.T. 0.00 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

Tgt Ion:146 Resp: 345733  
 Ion Ratio Lower Upper  
 146 100  
 111 42.8 20.0 60.0  
 148 64.1 31.8 95.4

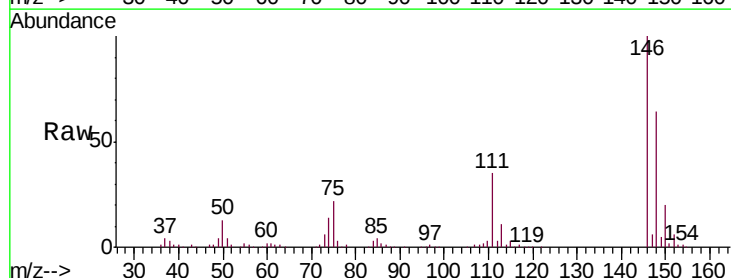


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

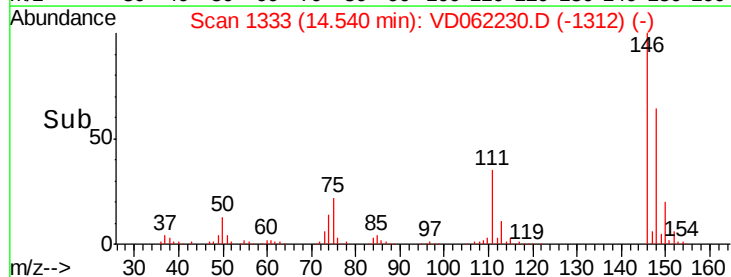
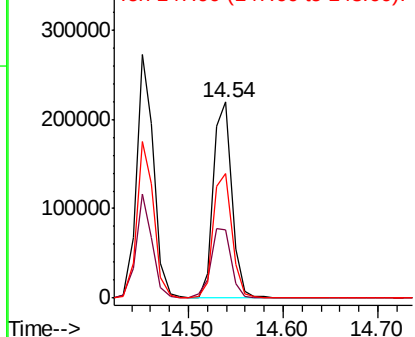


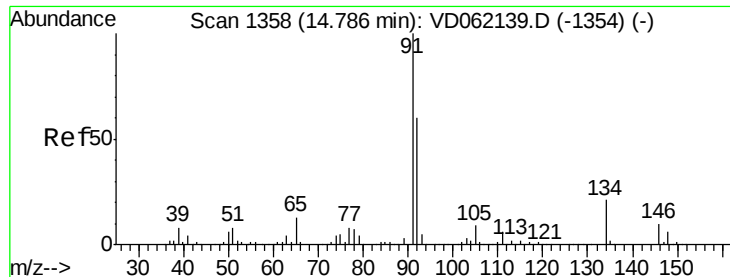
#88  
 1,4-Dichlorobenzene  
 Concen: 21.275 ug/l  
 RT: 14.54 min Scan# 1333  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion:146 Resp: 299704  
 Ion Ratio Lower Upper  
 146 100  
 111 35.1 20.2 60.5  
 148 63.7 32.0 96.2



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





#89

n-Butylbenzene

Concen: 23.966 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD062230.D

Acq: 11 May 2019 11:55

Instrument :

MSVOA\_D

ClientSampleId :

VD0511SBS01

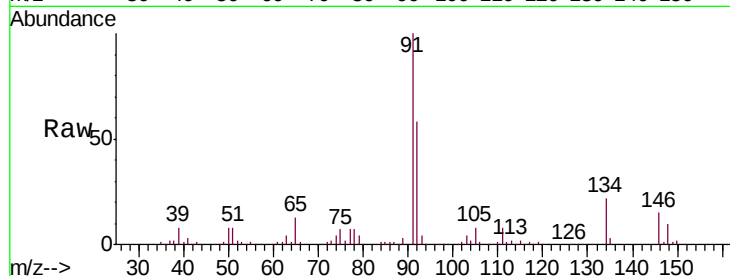
Tgt Ion: 91 Resp: 559166

Ion Ratio Lower Upper

91 100

92 58.4 30.3 91.0

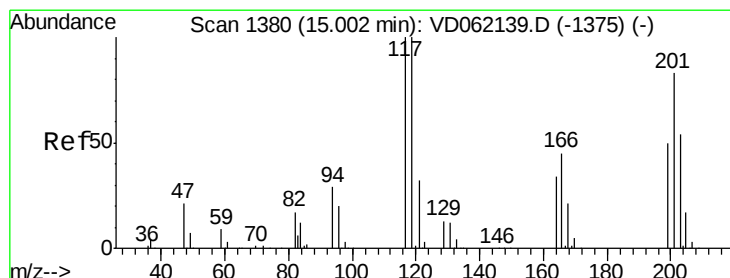
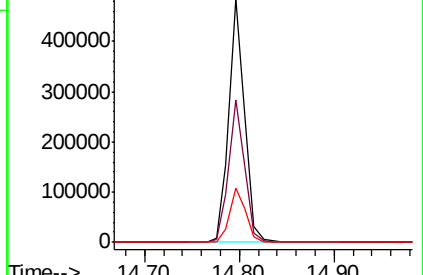
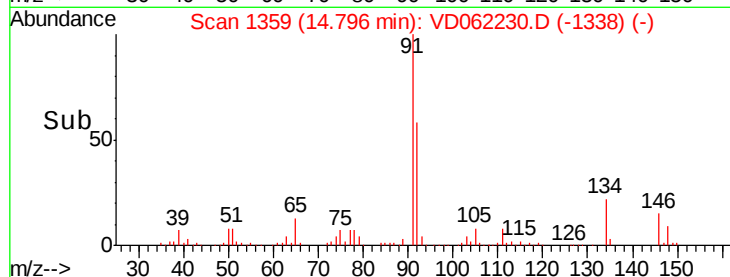
134 22.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.839 ug/l

RT: 15.00 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062230.D

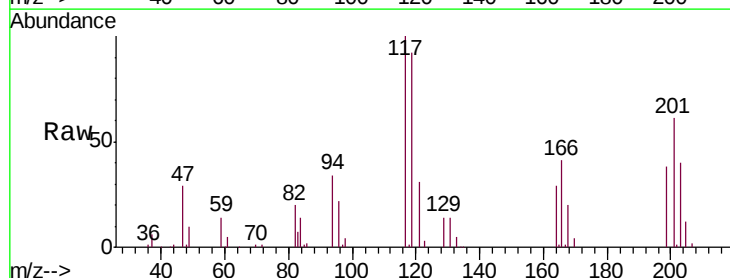
Acq: 11 May 2019 11:55

Tgt Ion: 117 Resp: 161453

Ion Ratio Lower Upper

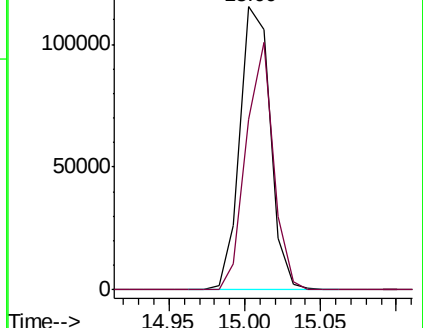
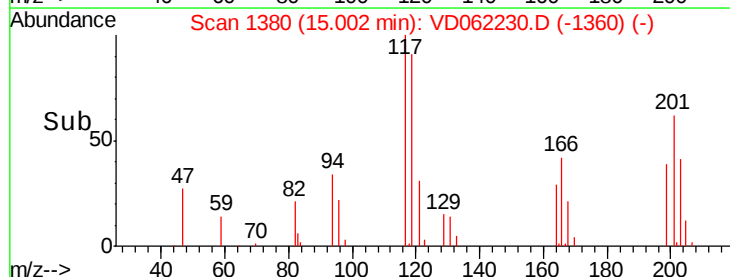
117 100

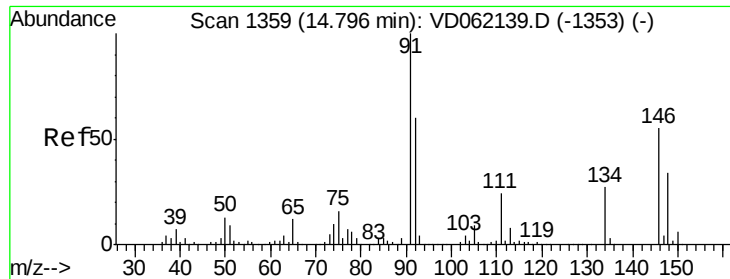
201 60.5 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

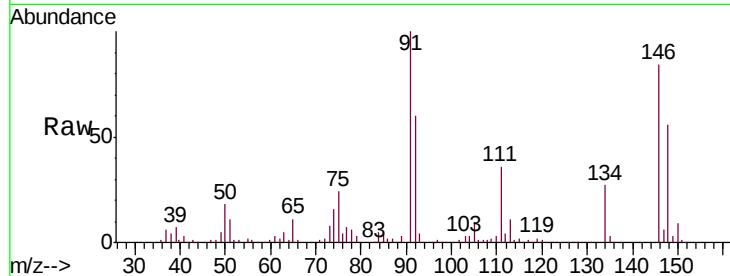




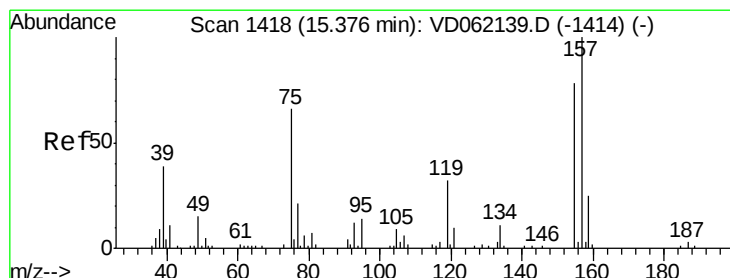
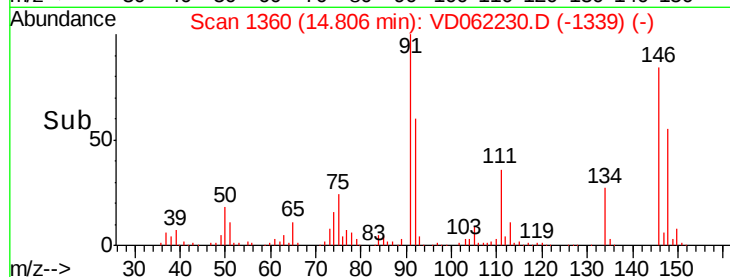
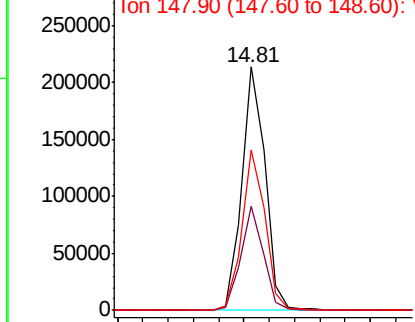
#91  
 1,2-Dichlorobenzene  
 Concen: 23.145 ug/l  
 RT: 14.81 min Scan# 1360  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

Tgt Ion: 146 Resp: 273284  
 Ion Ratio Lower Upper  
 146 100  
 111 42.8 20.0 59.9  
 148 65.8 32.3 96.8

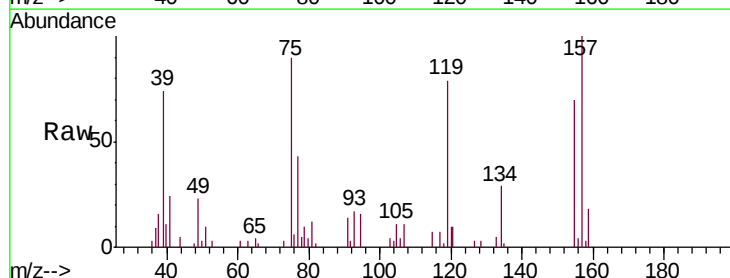


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

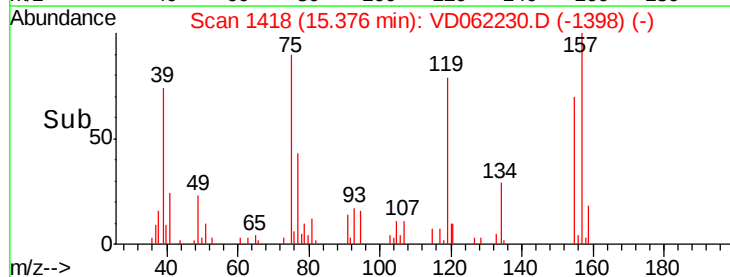
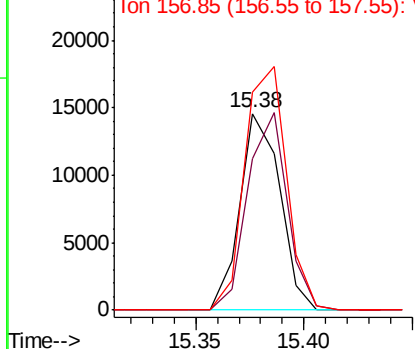


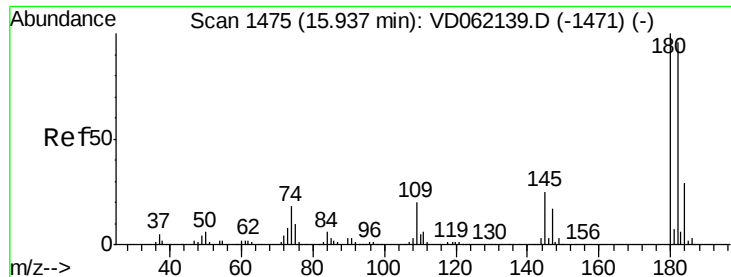
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.394 ug/l  
 RT: 15.38 min Scan# 1418  
 Delta R.T. 0.00 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

Tgt Ion: 75 Resp: 18640  
 Ion Ratio Lower Upper  
 75 100  
 155 77.3 55.3 165.8  
 157 111.2 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V  
 Ion 154.90 (154.60 to 155.60): V  
 Ion 156.85 (156.55 to 157.55): V

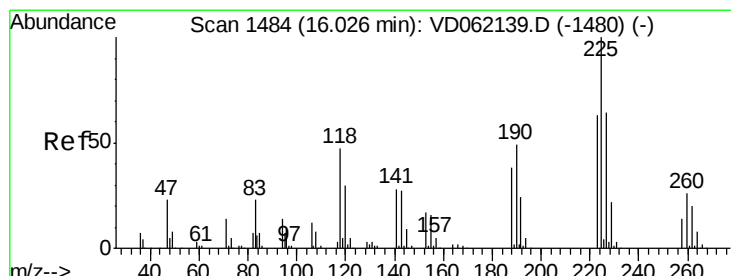
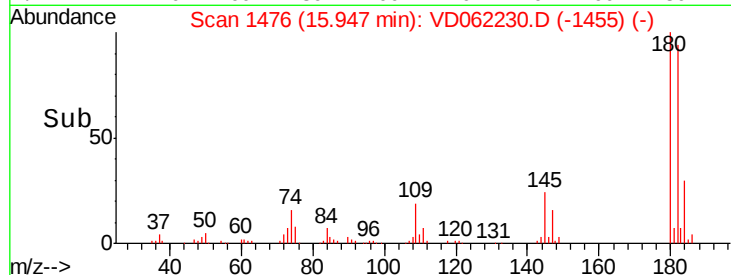
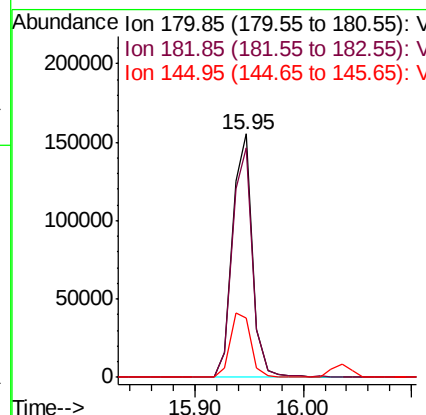
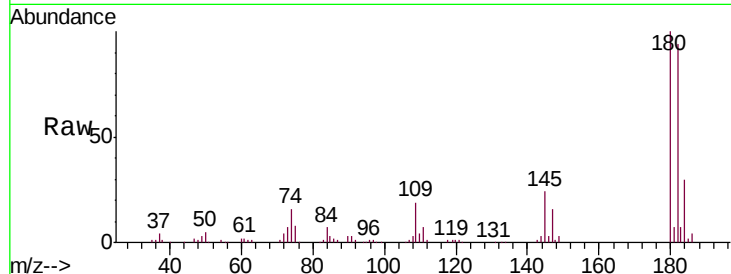




#93  
 1,2,4-Trichlorobenzene  
 Concen: 23.228 ug/l  
 RT: 15.95 min Scan# 1476  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

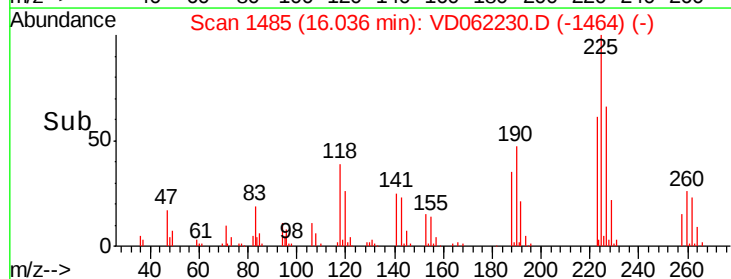
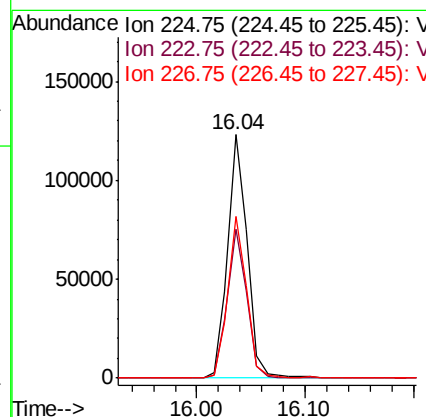
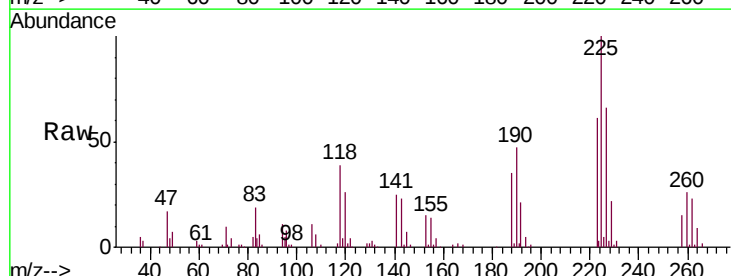
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0511SBS01

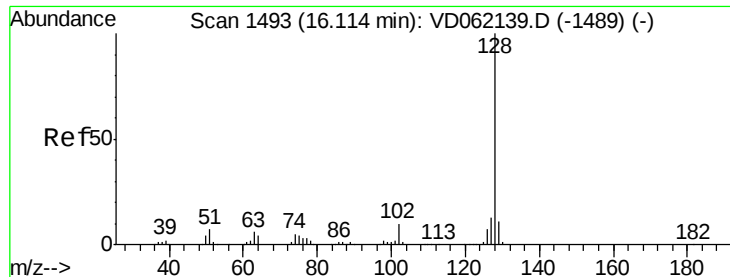
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.1  | 49.3  | 147.8 |
| 145     | 24.1  | 16.2  | 48.6  |



#94  
 Hexachlorobutadiene  
 Concen: 24.269 ug/l  
 RT: 16.04 min Scan# 1485  
 Delta R.T. 0.01 min  
 Lab File: VD062230.D  
 Acq: 11 May 2019 11:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.3  | 30.6  | 92.0  |
| 227     | 66.4  | 32.0  | 96.2  |

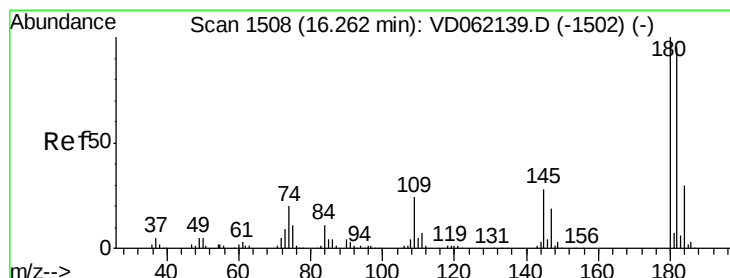
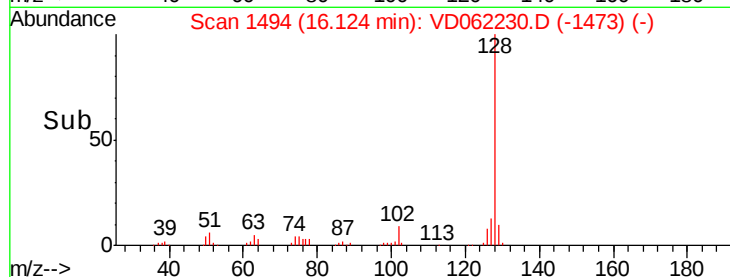
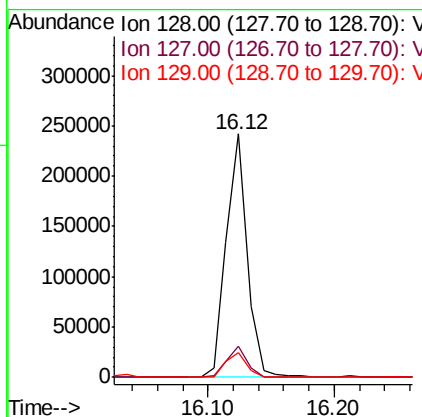
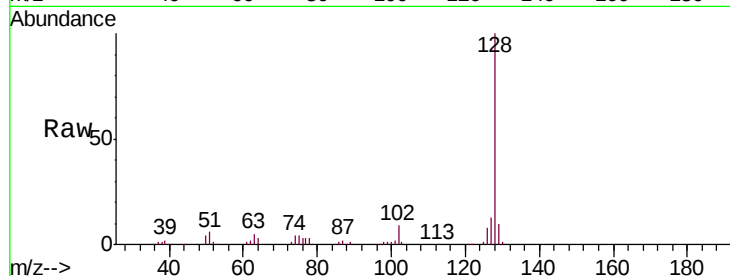




#95  
Naphthalene  
Concen: 23.134 ug/l  
RT: 16.12 min Scan# 1494  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0511SBS01

Tgt Ion:128 Resp: 277582  
Ion Ratio Lower Upper  
128 100  
127 13.0 9.8 14.8  
129 10.2 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 26.957 ug/l  
RT: 16.27 min Scan# 1509  
Delta R.T. 0.01 min  
Lab File: VD062230.D  
Acq: 11 May 2019 11:55

Tgt Ion:180 Resp: 145666  
Ion Ratio Lower Upper  
180 100  
182 92.5 47.0 141.0  
145 28.5 17.0 51.0

