

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\  
 Data File : VD062928.D  
 Acq On : 27 Jun 2019 13:42  
 Operator : VA/AP  
 Sample : VD0627SBS02  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 28 02:20:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 01:50:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.02  | 168  | 840377   | 50.00 | ug/l  | -0.03    |
| 34) 1,4-Difluorobenzene    | 8.19  | 114  | 1181977  | 50.00 | ug/l  | -0.03    |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 1000099  | 50.00 | ug/l  | -0.02    |
| 72) 1,4-Dichlorobenzene-d4 | 14.51 | 152  | 542543   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.42   | 65   | 441580   | 48.34 | ug/l   | -0.04    |
| Spiked Amount               | 50.000 |      | Recovery | =     | 96.68% |          |
| 35) Dibromofluoromethane    | 6.89   | 113  | 468609   | 47.02 | ug/l   | -0.04    |
| Spiked Amount               | 50.000 |      | Recovery | =     | 94.04% |          |
| 50) Toluene-d8              | 10.39  | 98   | 1049448  | 48.38 | ug/l   | -0.03    |
| Spiked Amount               | 50.000 |      | Recovery | =     | 96.76% |          |
| 62) 4-Bromofluorobenzene    | 13.54  | 95   | 453937   | 46.02 | ug/l   | -0.02    |
| Spiked Amount               | 50.000 |      | Recovery | =     | 92.04% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.56 | 85   | 246951   | 22.709  | ug/l   | 98     |
| 3) Chloromethane              | 1.73 | 50   | 162092   | 19.819  | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.83 | 62   | 156728   | 19.328  | ug/l   | 99     |
| 5) Bromomethane               | 2.13 | 94   | 68651    | 18.078  | ug/l # | 97     |
| 6) Chloroethane               | 2.24 | 64   | 68472    | 18.651  | ug/l # | 83     |
| 7) Trichlorofluoromethane     | 2.50 | 101  | 344048   | 20.965  | ug/l   | 97     |
| 8) Diethyl Ether              | 2.86 | 74   | 50550    | 24.243  | ug/l   | 82     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.11 | 101  | 166019   | 18.673  | ug/l   | 91     |
| 10) Methyl Iodide             | 3.27 | 142  | 212536   | 18.120  | ug/l   | 90     |
| 11) Tert butyl alcohol        | 4.07 | 59   | 51471    | 123.716 | ug/l # | 87     |
| 12) 1,1-Dichloroethene        | 3.09 | 96   | 129911   | 19.478  | ug/l   | 87     |
| 13) Acrolein                  | 3.00 | 56   | 35999    | 84.758  | ug/l   | 94     |
| 14) Allyl chloride            | 3.59 | 41   | 209704   | 21.279  | ug/l   | 93     |
| 15) Acrylonitrile             | 4.17 | 53   | 120106   | 122.860 | ug/l   | 92     |
| 16) Acetone                   | 3.20 | 43   | 197262   | 102.356 | ug/l   | 95     |
| 17) Carbon Disulfide          | 3.35 | 76   | 435513   | 20.432  | ug/l   | 99     |
| 18) Methyl Acetate            | 3.62 | 43   | 90295    | 32.745  | ug/l   | 92     |
| 19) Methyl tert-butyl Ether   | 4.21 | 73   | 353581   | 24.489  | ug/l   | 95     |
| 20) Methylene Chloride        | 3.78 | 84   | 169771   | 24.369  | ug/l   | 92     |
| 21) trans-1,2-Dichloroethene  | 4.19 | 96   | 160181   | 22.556  | ug/l   | 86     |
| 22) Diisopropyl ether         | 5.08 | 45   | 450262   | 22.466  | ug/l   | 95     |
| 23) Vinyl Acetate             | 5.02 | 43   | 1407595  | 112.241 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.94 | 63   | 283409   | 21.720  | ug/l   | 98     |
| 25) 2-Butanone                | 6.04 | 43   | 208667   | 122.136 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 5.99 | 77   | 291539   | 21.079  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene    | 6.01 | 96   | 166749   | 22.204  | ug/l   | 95     |
| 28) Bromochloromethane        | 6.41 | 49   | 113022   | 24.593  | ug/l   | 92     |
| 29) Tetrahydrofuran           | 6.44 | 42   | 96923    | 119.903 | ug/l   | 95     |
| 30) Chloroform                | 6.64 | 83   | 362456   | 22.840  | ug/l   | 97     |
| 31) Cyclohexane               | 6.92 | 56   | 186488   | 21.740  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 6.83 | 97   | 354048   | 21.420  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.12 | 75   | 229954   | 20.552  | ug/l   | 96     |
| 37) Ethyl Acetate             | 6.15 | 43   | 118671   | 24.691  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.08 | 117  | 320214   | 19.029  | ug/l   | 99     |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 28 02:20:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 20 01:50:56 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.84  | 83   | 197294   | 20.032  | ug/l   | 99       |
| 40) Benzene                    | 7.42  | 78   | 463951   | 20.657  | ug/l   | 98       |
| 41) Methacrylonitrile          | 6.42  | 41   | 135983   | 23.045  | ug/l # | 97       |
| 42) 1,2-Dichloroethane         | 7.55  | 62   | 275859   | 22.515  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 9.22  | 43   | 148461   | 25.309  | ug/l # | 99       |
| 44) Trichloroethene            | 8.52  | 130  | 182125   | 20.684  | ug/l   | 94       |
| 45) 1,2-Dichloropropane        | 8.91  | 63   | 116278   | 20.820  | ug/l   | 97       |
| 46) Dibromomethane             | 9.04  | 93   | 103817   | 21.640  | ug/l   | 94       |
| 47) Bromodichloromethane       | 9.35  | 83   | 264713   | 21.246  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.10  | 41   | 92856    | 22.275  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.07  | 88   | 17469    | 503.701 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone       | 10.28 | 43   | 475836   | 114.411 | ug/l   | 97       |
| 52) Toluene                    | 10.49 | 92   | 324873   | 21.518  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.89 | 75   | 217800   | 21.357  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.01 | 75   | 217792   | 19.649  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 11.17 | 97   | 117268   | 22.608  | ug/l   | 91       |
| 56) Ethyl methacrylate         | 11.02 | 69   | 123470   | 22.274  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 11.38 | 76   | 178468   | 22.471  | ug/l   | 92       |
| 58) 2-Chloroethyl Vinyl ether  | 9.84  | 63   | 330406   | 116.102 | ug/l   | 98       |
| 59) 2-Hexanone                 | 11.51 | 43   | 359523   | 121.379 | ug/l   | 95       |
| 60) Dibromochloromethane       | 11.67 | 129  | 212415   | 21.986  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.79 | 107  | 134356   | 21.932  | ug/l   | 100      |
| 64) Tetrachloroethene          | 11.23 | 164  | 170467   | 20.710  | ug/l   | 98       |
| 65) Chlorobenzene              | 12.39 | 112  | 398434   | 21.466  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.49 | 131  | 191227   | 22.031  | ug/l   | 93       |
| 67) Ethyl Benzene              | 12.50 | 91   | 710809   | 21.330  | ug/l   | 100      |
| 68) m/p-Xylenes                | 12.65 | 106  | 508093   | 43.777  | ug/l   | 98       |
| 69) o-Xylene                   | 13.04 | 106  | 240342   | 22.652  | ug/l   | 97       |
| 70) Styrene                    | 13.06 | 104  | 399283   | 21.425  | ug/l   | 96       |
| 71) Bromoform                  | 13.22 | 173  | 134321   | 22.586  | ug/l   | 89       |
| 73) Isopropylbenzene           | 13.39 | 105  | 714813   | 20.548  | ug/l   | 100      |
| 74) N-amyl acetate             | 13.25 | 43   | 195396   | 23.130  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.69 | 83   | 127887   | 22.563  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 13.72 | 75   | 146706   | 23.423  | ug/l   | 95       |
| 77) Bromobenzene               | 13.66 | 156  | 194051   | 20.739  | ug/l   | 94       |
| 78) n-propylbenzene            | 13.76 | 91   | 853134   | 21.071  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 13.82 | 91   | 510210   | 22.050  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene     | 13.92 | 105  | 646439   | 22.123  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 13.46 | 75   | 40141    | 24.454  | ug/l   | 91       |
| 82) 4-Chlorotoluene            | 13.93 | 91   | 633750   | 22.750  | ug/l   | 93       |
| 83) tert-Butylbenzene          | 14.18 | 119  | 672813   | 20.658  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 643072   | 21.472  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 14.35 | 105  | 727942   | 20.564  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 14.48 | 119  | 714792   | 22.072  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene        | 14.44 | 146  | 352301   | 21.005  | ug/l   | 92       |
| 88) 1,4-Dichlorobenzene        | 14.52 | 146  | 365852   | 21.717  | ug/l   | 96       |
| 89) n-Butylbenzene             | 14.79 | 91   | 598356   | 19.741  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.99 | 117  | 185612   | 21.317  | ug/l   | 81       |
| 91) 1,2-Dichlorobenzene        | 14.80 | 146  | 309096   | 21.540  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.37 | 75   | 22792    | 20.603  | ug/l   | 65       |

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Sample : VD0627SBS02  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Jun 28 02:20:08 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D061919S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 20 01:50:56 2019  
Response via : Initial Calibration

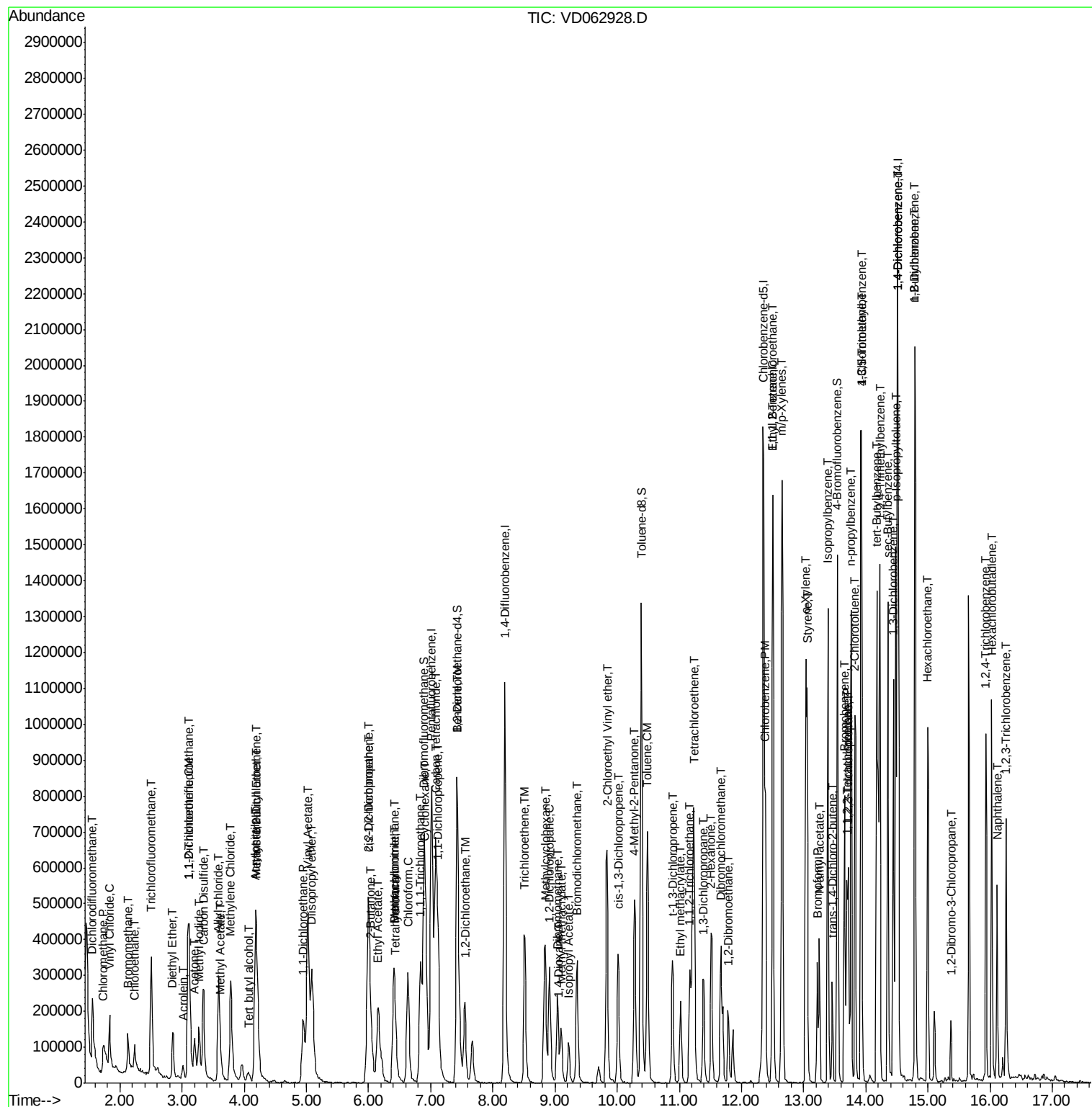
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.94 | 180  | 236843   | 21.128 | ug/l  | 90       |
| 94) Hexachlorobutadiene    | 16.03 | 225  | 174072   | 20.326 | ug/l  | 98       |
| 95) Naphthalene            | 16.12 | 128  | 340913   | 21.698 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 16.26 | 180  | 198057   | 22.995 | ug/l  | 99       |

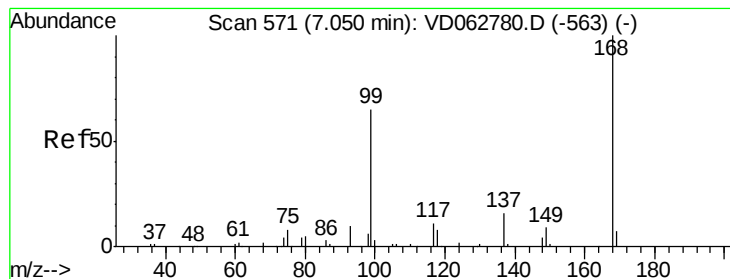
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062719\  
 Data File : VD062928.D  
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 ALS Vial : 6 Sample Multiplier: 1

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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

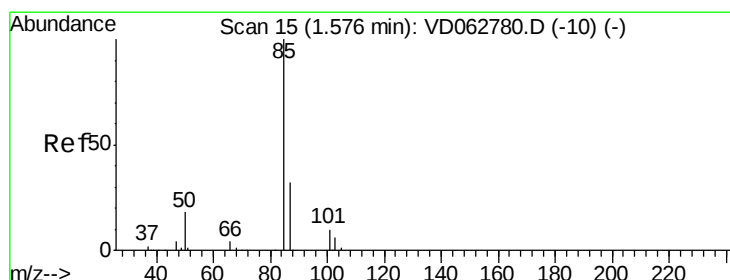
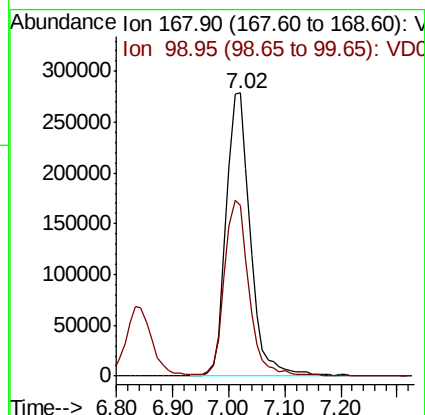
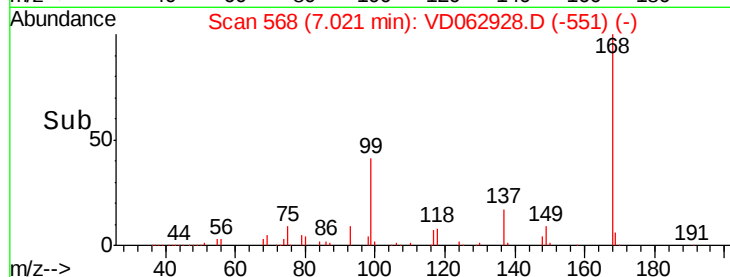
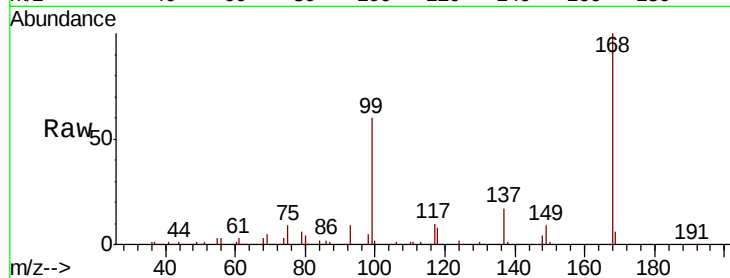
ClientSampleId :

Tot Ion:168 Resp: 840377

Ion Ratio Lower Upper

168 100

99 60.2 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 22.709 ug/l

RT: 1.56 min Scan# 13

Delta R.T. -0.02 min

Lab File: VD062928.D

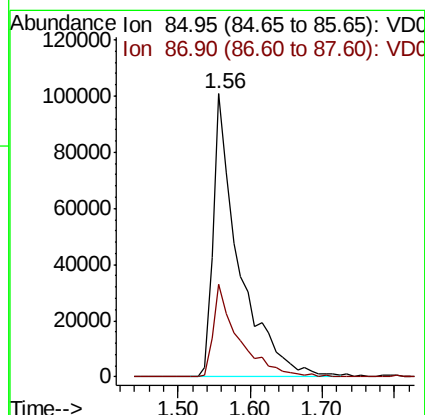
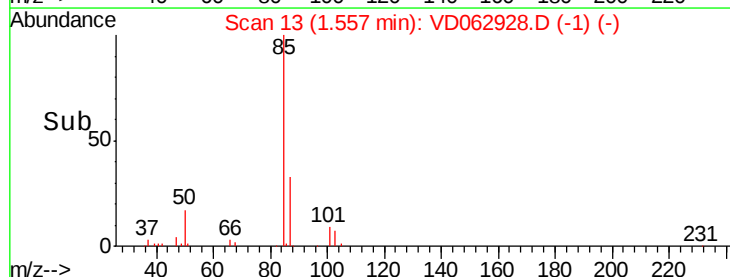
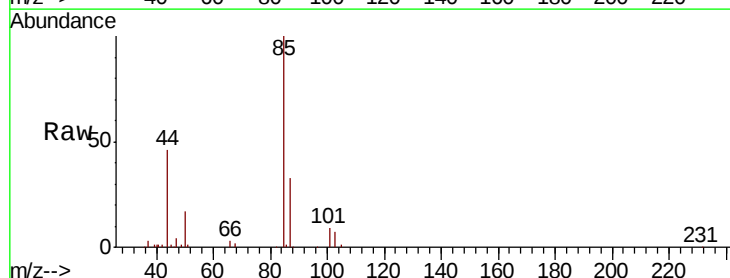
Acq: 27 Jun 2019 13:42

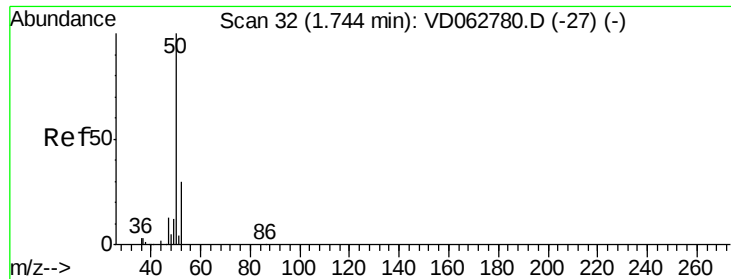
Tgt Ion: 85 Resp: 246951

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6





#3

Chloromethane

Concen: 19.819 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

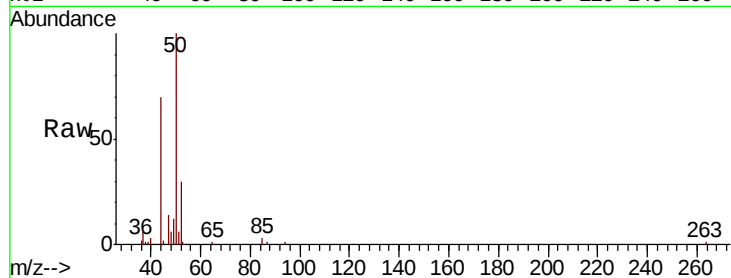
ClientSampleId :

Tot Ion: 50 Resp: 162092

Ion Ratio Lower Upper

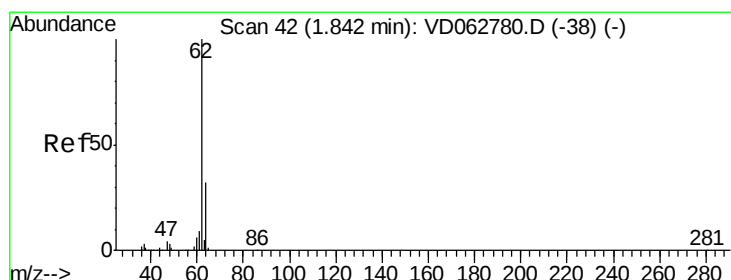
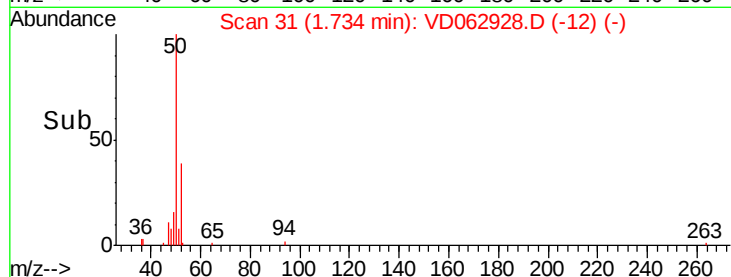
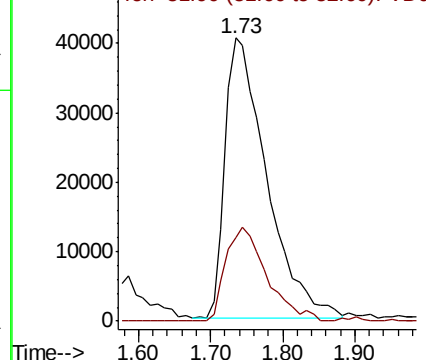
50 100

52 29.7 23.6 35.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.328 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.01 min

Lab File: VD062928.D

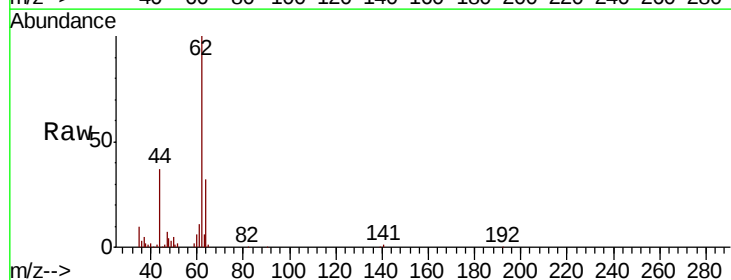
Acq: 27 Jun 2019 13:42

Tgt Ion: 62 Resp: 156728

Ion Ratio Lower Upper

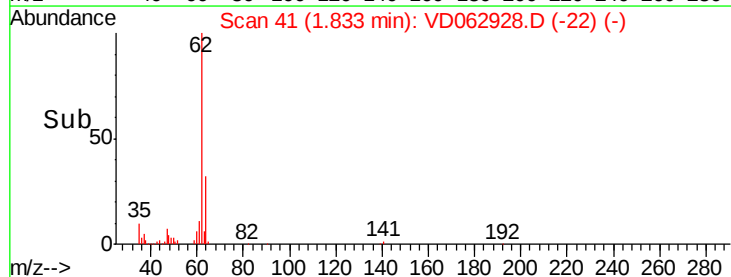
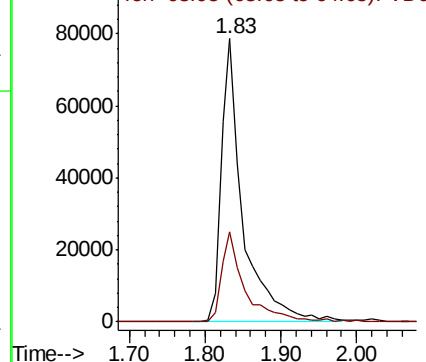
62 100

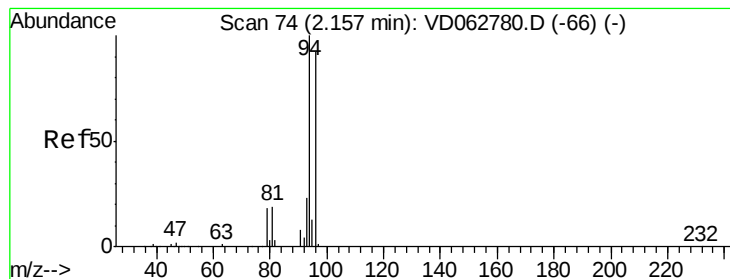
64 32.5 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.078 ug/l

RT: 2.13 min Scan# 71

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

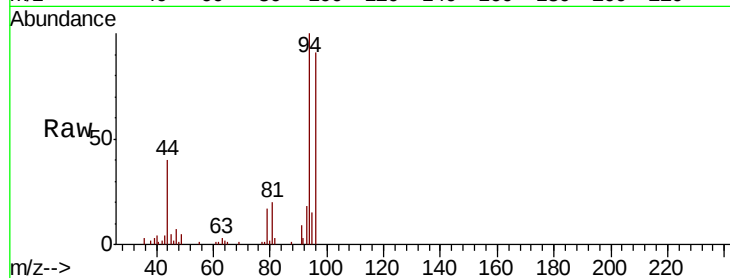
Tot Ion: 94 Resp: 68651

Ion Ratio Lower Upper

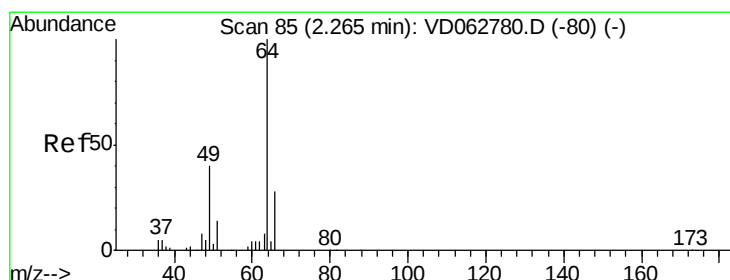
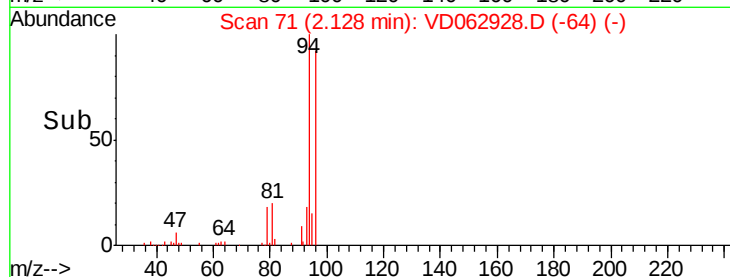
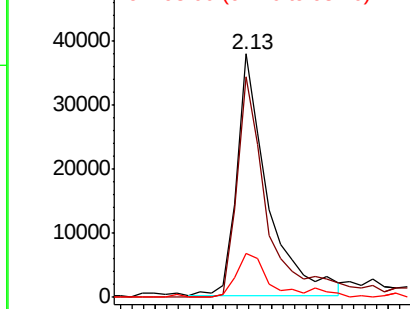
94 100

96 90.7 73.4 110.2

93 18.0 18.2 27.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC  
Ion 96.00 (95.70 to 96.70): VDC  
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 18.651 ug/l

RT: 2.24 min Scan# 82

Delta R.T. -0.03 min

Lab File: VD062928.D

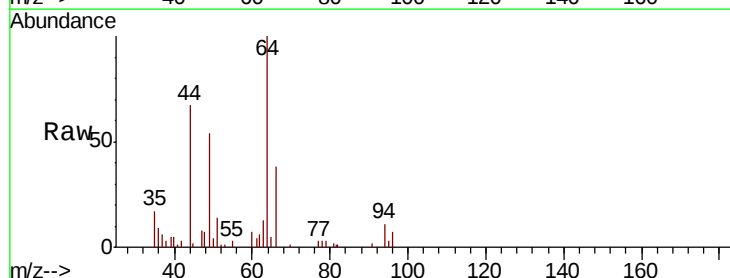
Acq: 27 Jun 2019 13:42

Tgt Ion: 64 Resp: 68472

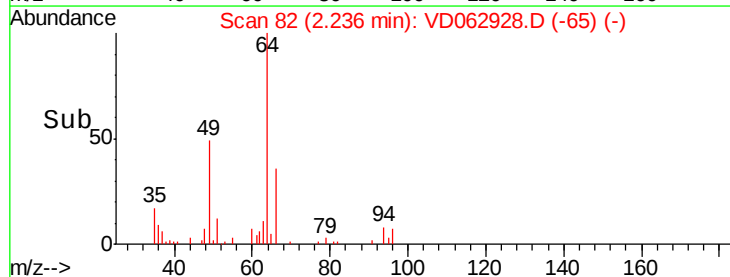
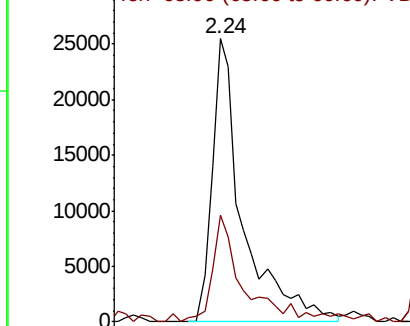
Ion Ratio Lower Upper

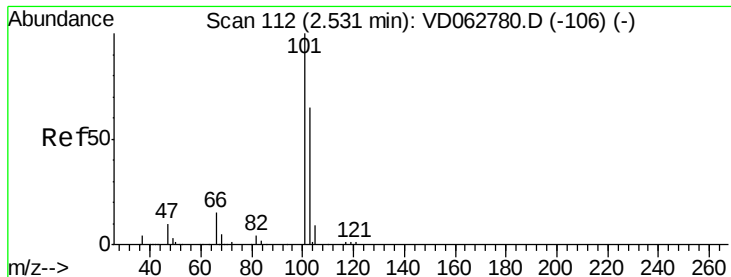
64 100

66 37.6 23.0 34.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC  
Ion 65.90 (65.60 to 66.60): VDC



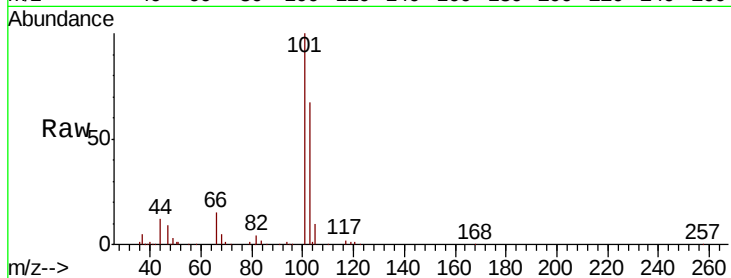


#7

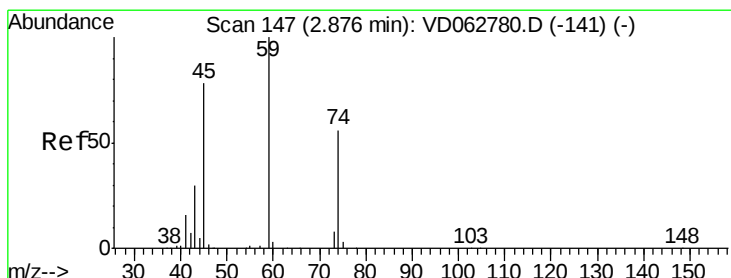
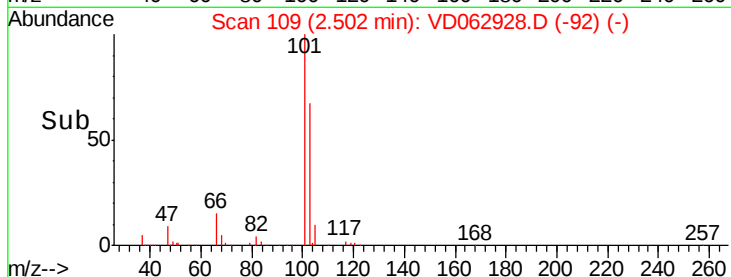
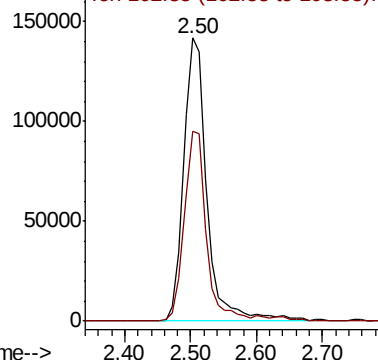
Trichlorofluoromethane  
 Concen: 20.965 ug/l  
 RT: 2.50 min Scan# 109  
 Delta R.T. -0.03 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:101 Resp: 344048  
 Ion Ratio Lower Upper  
 101 100  
 103 67.3 51.8 77.8



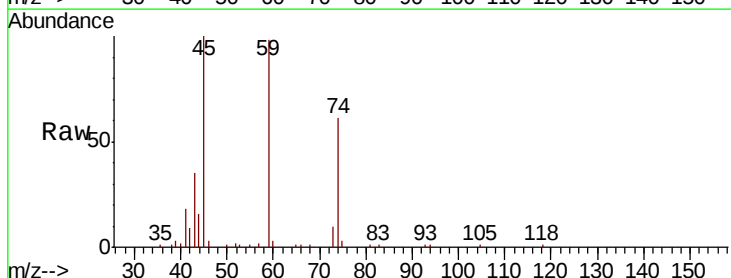
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



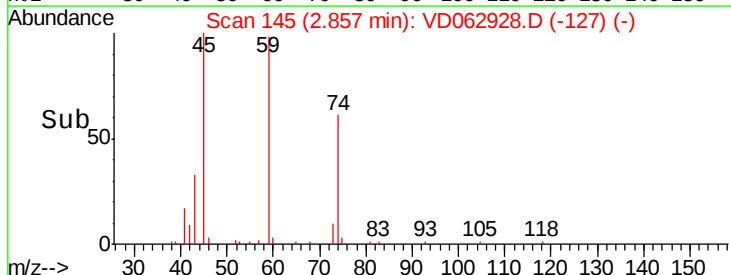
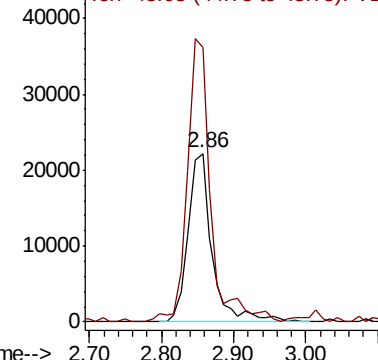
#8

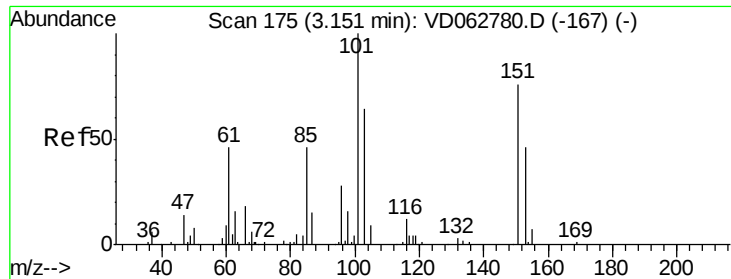
Diethyl Ether  
 Concen: 24.243 ug/l  
 RT: 2.86 min Scan# 145  
 Delta R.T. -0.02 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Tgt Ion: 74 Resp: 50550  
 Ion Ratio Lower Upper  
 74 100  
 45 162.9 70.2 210.6



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: 18.673 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

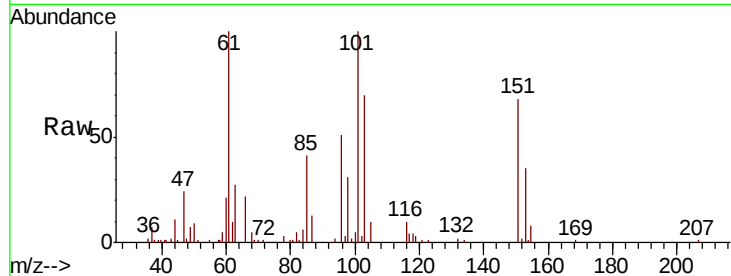
Tot Ion:101 Resp: 166019

Ion Ratio Lower Upper

101 100

85 40.6 37.0 55.4

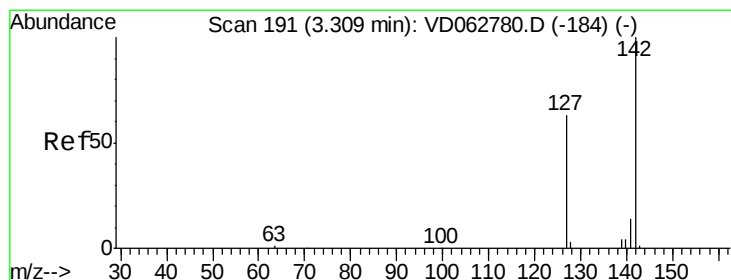
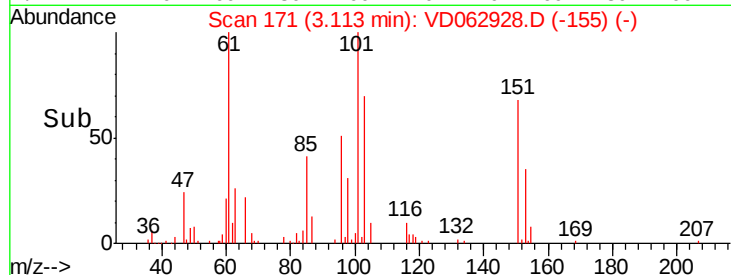
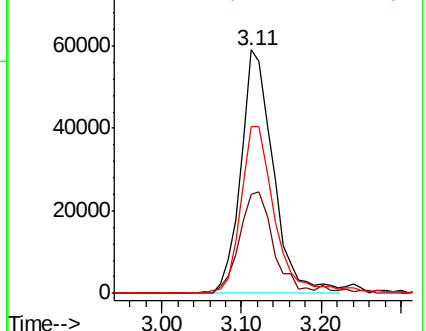
151 68.3 60.5 90.7



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: 18.120 ug/l

RT: 3.27 min Scan# 187

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

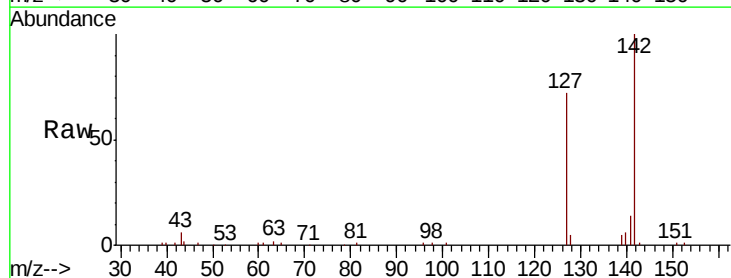
Tgt Ion:142 Resp: 212536

Ion Ratio Lower Upper

142 100

127 71.5 50.1 75.1

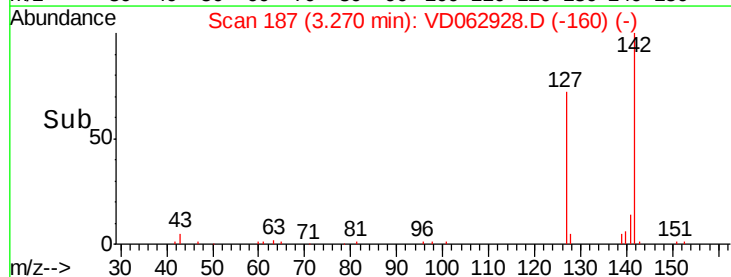
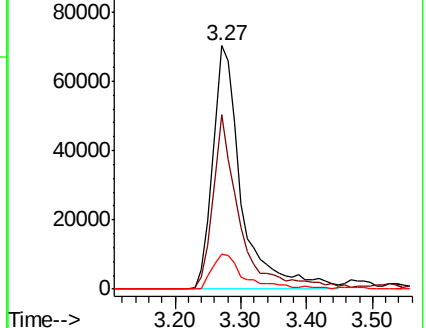
141 14.1 11.0 16.4

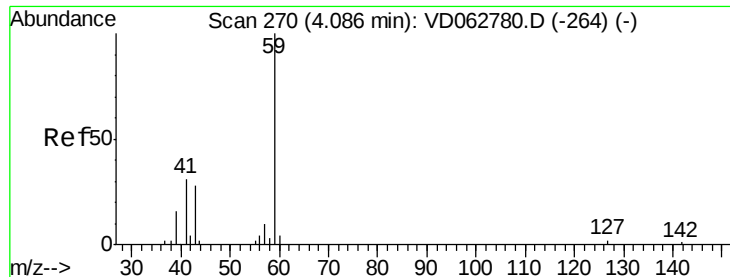


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

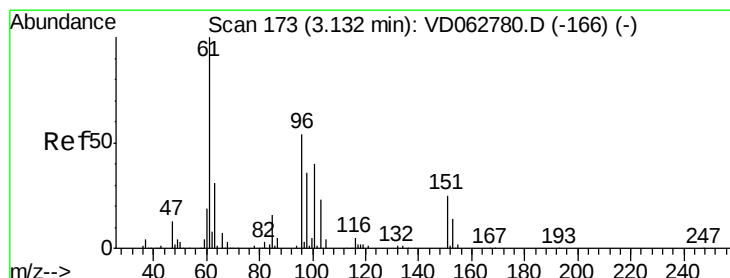
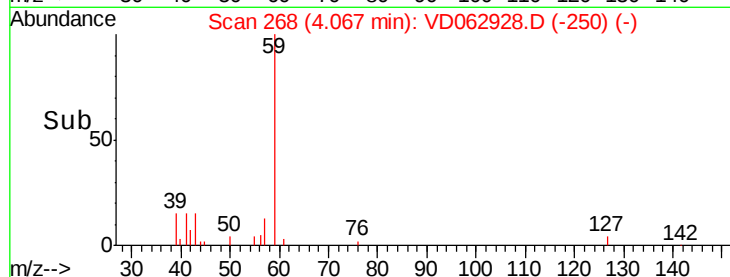
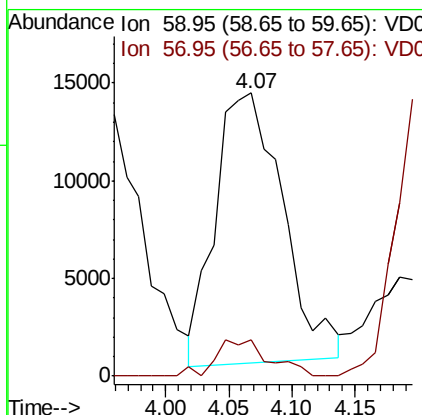
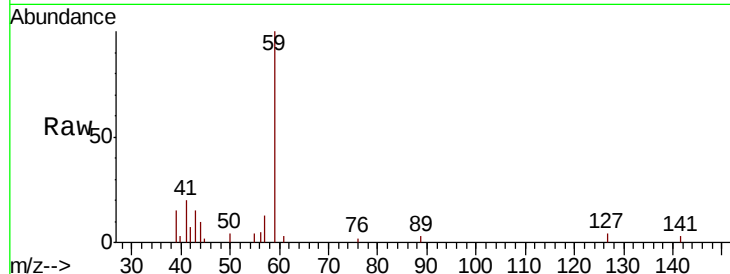




#11  
Tert butyl alcohol  
Concen: 123.716 ug/l  
RT: 4.07 min Scan# 268  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

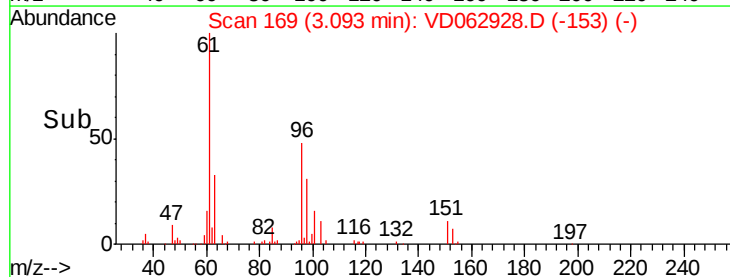
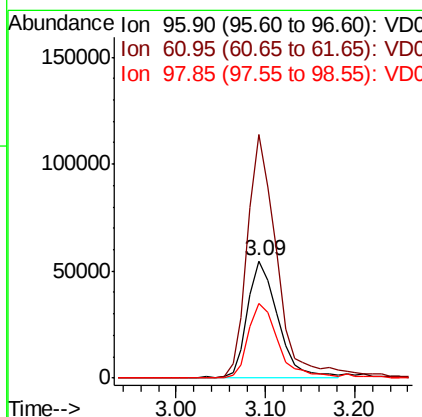
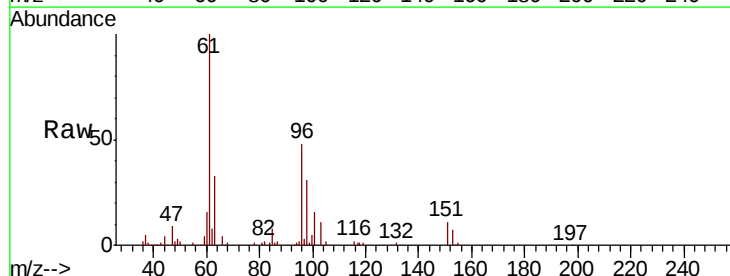
Instrument :  
MSVOA\_D  
ClientSampled :

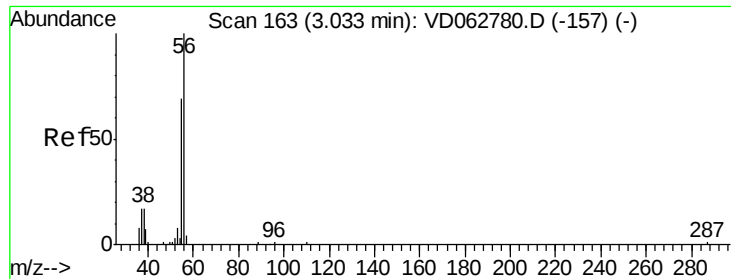
Tot Ion: 59 Resp: 51471  
Ion Ratio Lower Upper  
59 100  
57 13.0 6.6 10.0#



#12  
1,1-Dichloroethene  
Concen: 19.478 ug/l  
RT: 3.09 min Scan# 169  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 96 Resp: 129911  
Ion Ratio Lower Upper  
96 100  
61 207.8 147.1 220.7  
98 64.2 52.6 79.0





#13

Acrolein

Concen: 84.758 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

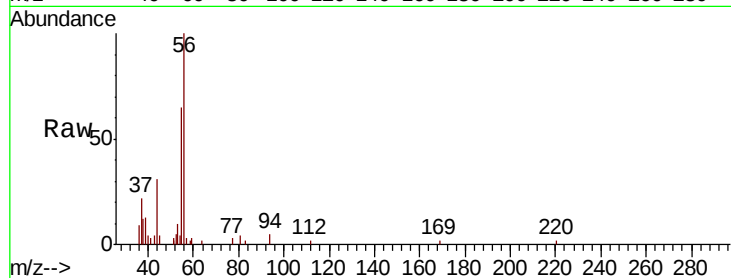
ClientSampleId :

Tot Ion: 56 Resp: 35999

Ion Ratio Lower Upper

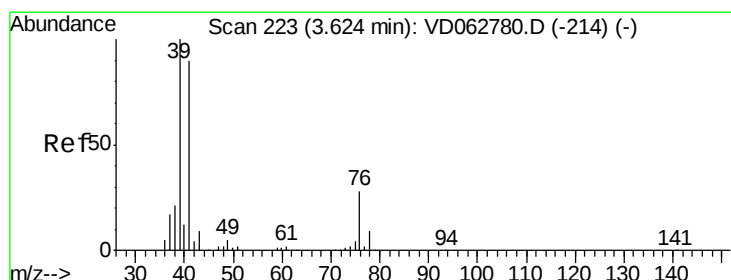
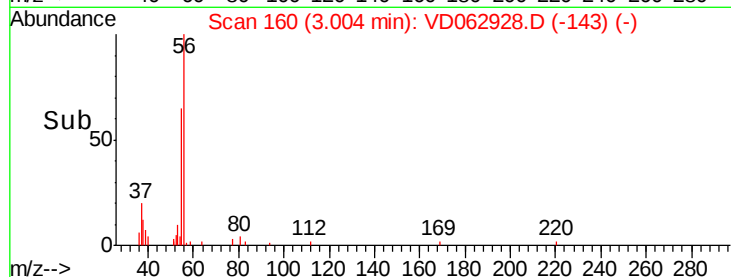
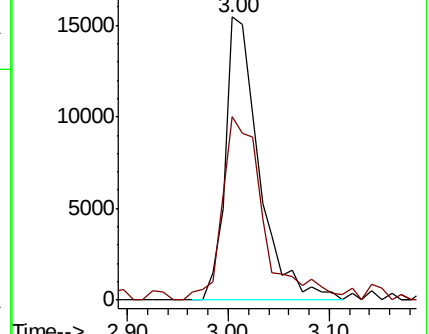
56 100

55 64.6 55.4 83.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.279 ug/l

RT: 3.59 min Scan# 219

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

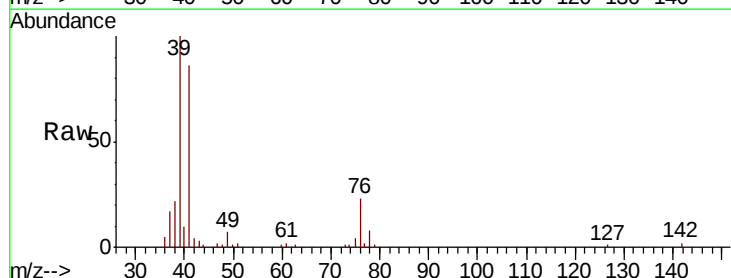
Tgt Ion: 41 Resp: 209704

Ion Ratio Lower Upper

41 100

39 116.7 88.8 133.2

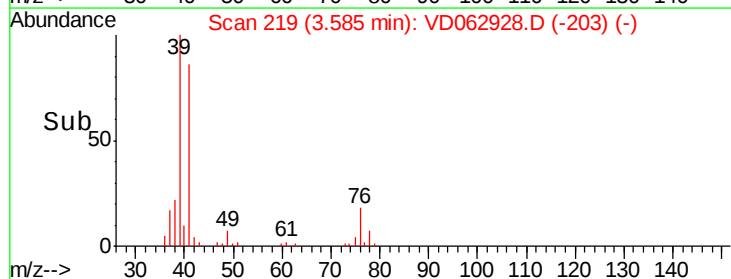
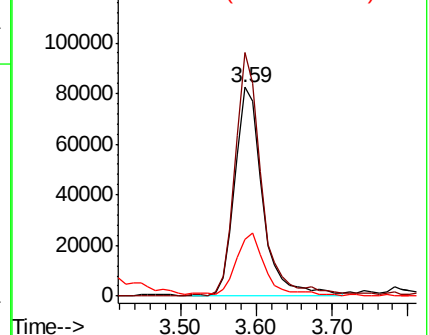
76 27.1 26.7 40.1

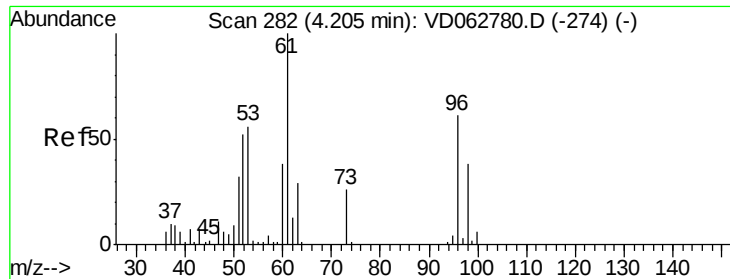


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 122.860 ug/l

RT: 4.17 min Scan# 278

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampled :

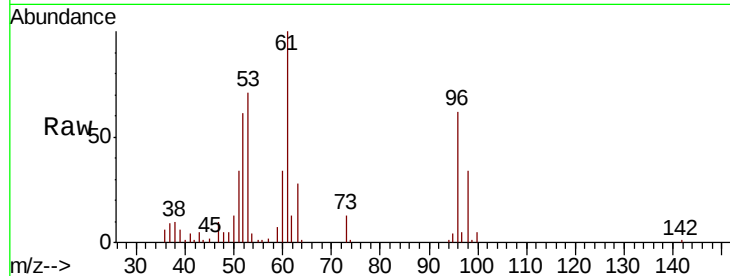
Tot Ion: 53 Resp: 120106

Ion Ratio Lower Upper

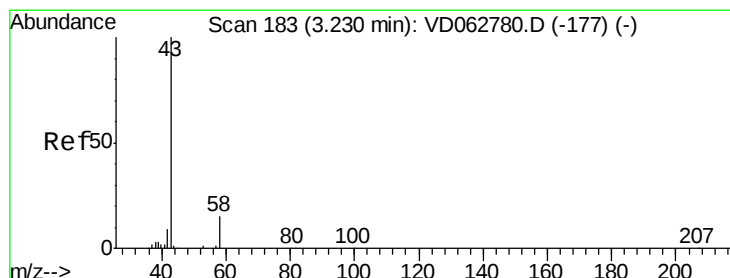
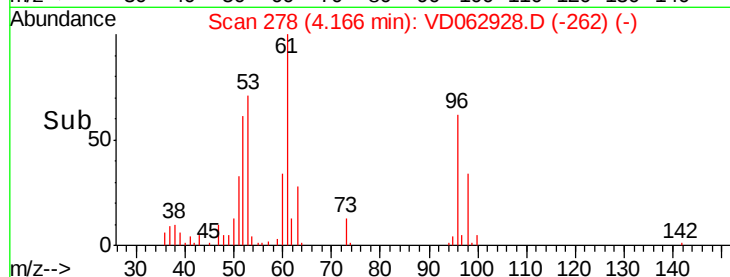
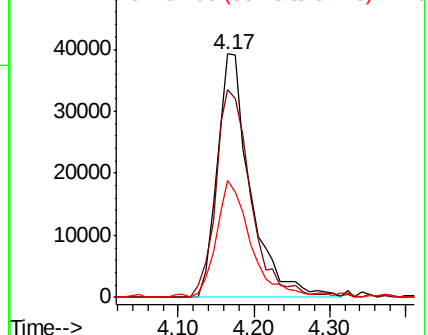
53 100

52 85.4 73.3 109.9

51 48.0 44.8 67.2



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: 102.356 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD062928.D

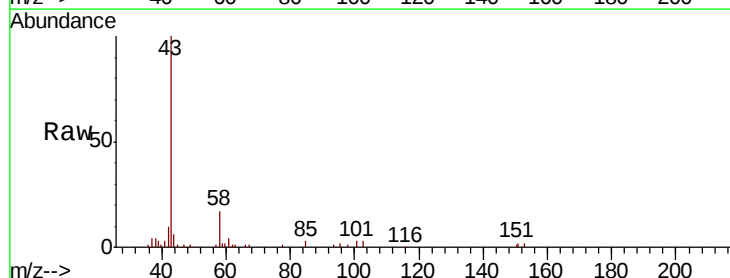
Acq: 27 Jun 2019 13:42

Tgt Ion: 43 Resp: 197262

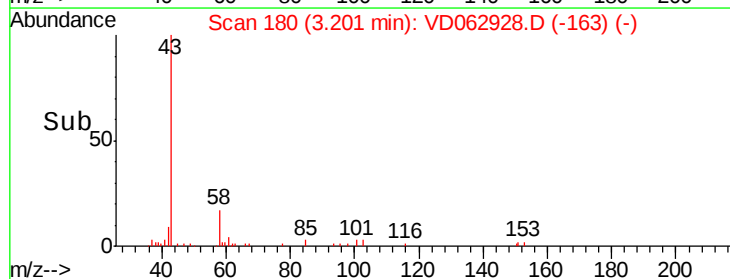
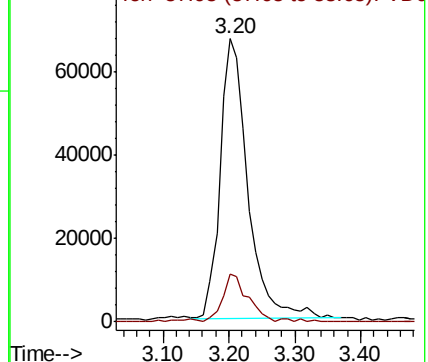
Ion Ratio Lower Upper

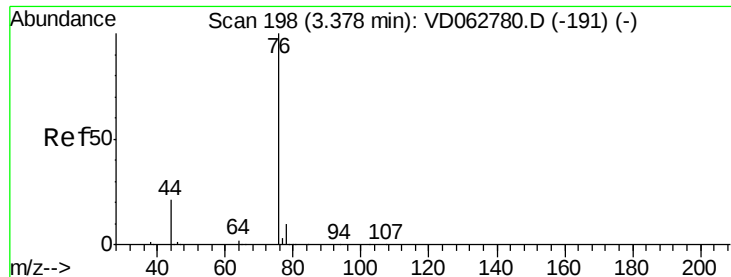
43 100

58 17.0 11.9 17.9



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

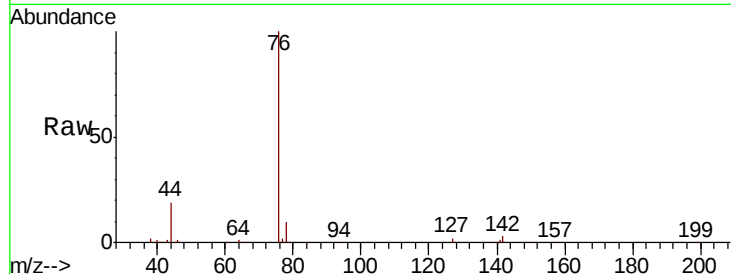




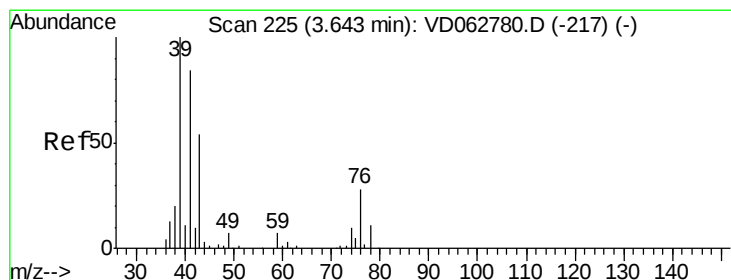
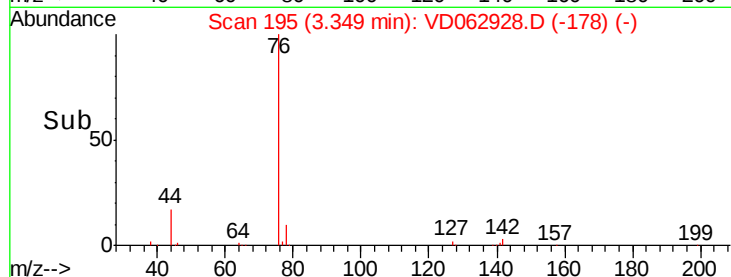
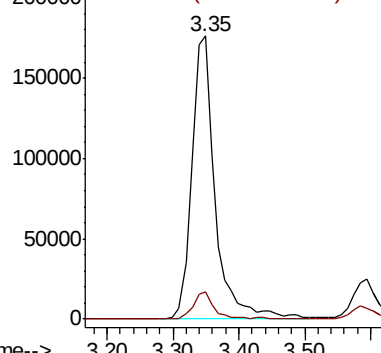
#17  
Carbon Disulfide  
Concen: 20.432 ug/l  
RT: 3.35 min Scan# 195  
Delta R.T. -0.03 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 76 Resp: 435513  
Ion Ratio Lower Upper  
76 100  
78 9.8 8.0 12.0

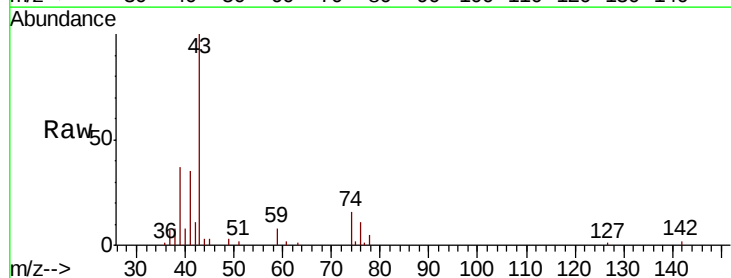


Abundance Ion 75.85 (75.55 to 76.55): VDC  
Ion 77.85 (77.55 to 78.55): VDC

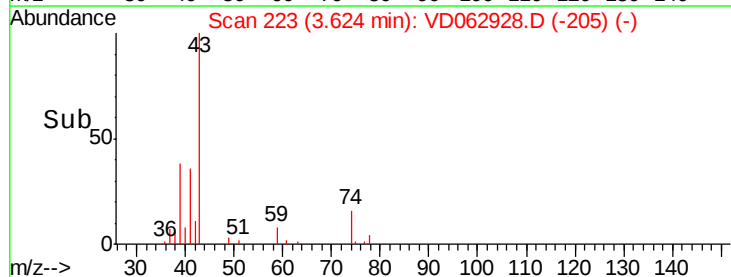
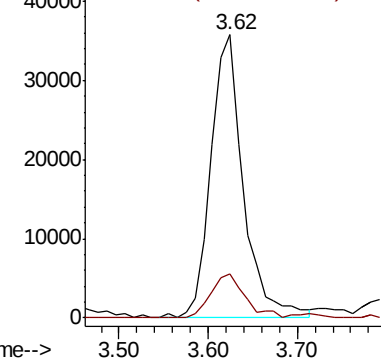


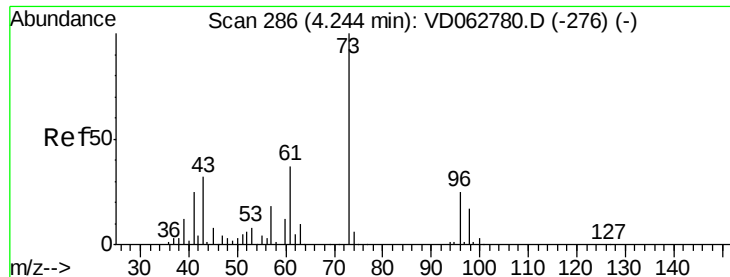
#18  
Methyl Acetate  
Concen: 32.745 ug/l  
RT: 3.62 min Scan# 223  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 43 Resp: 90295  
Ion Ratio Lower Upper  
43 100  
74 15.6 15.2 22.8



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

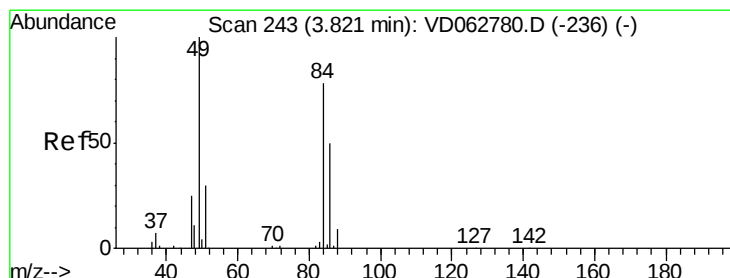
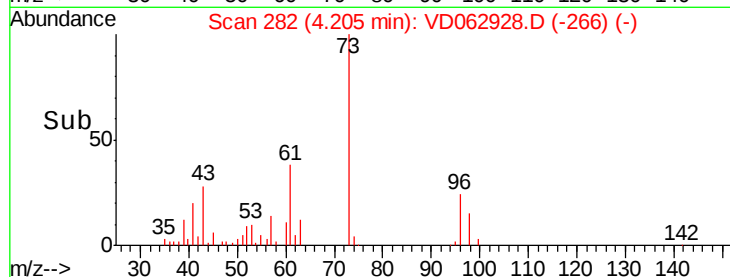
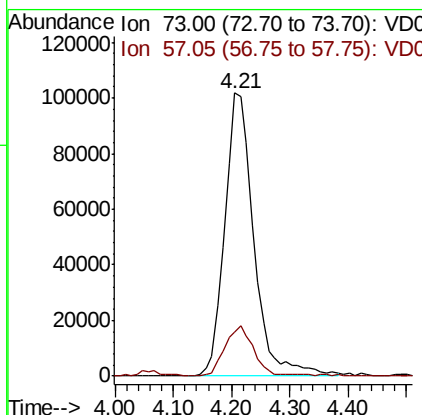
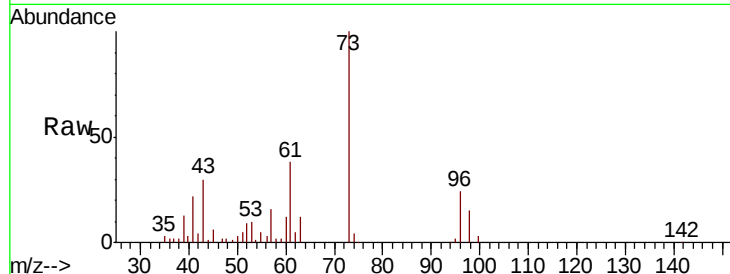




#19  
Methvl tert-butvl Ether  
Concen: 24.489 ug/l  
RT: 4.21 min Scan# 282  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

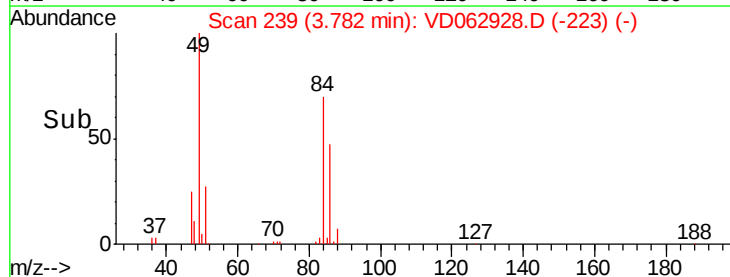
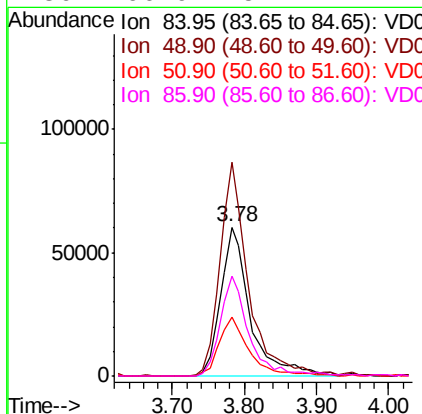
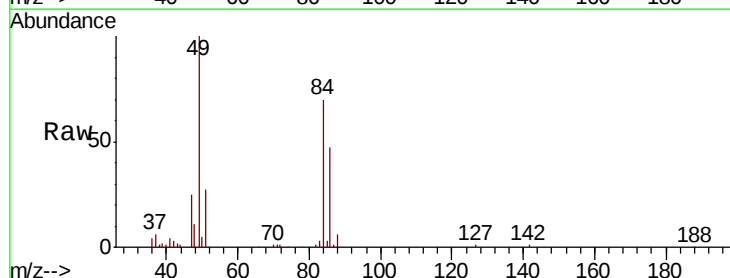
Instrument :  
MSVOA\_D  
ClientSampleId :

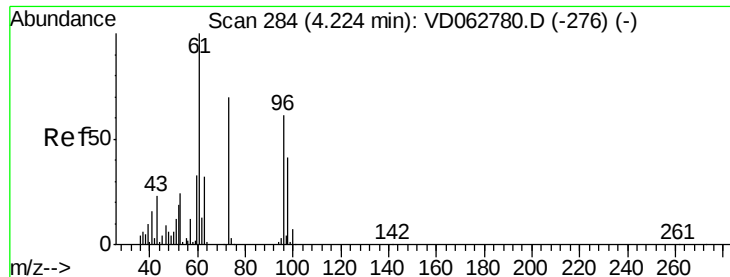
Tot Ion: 73 Resp: 353581  
Ion Ratio Lower Upper  
73 100  
57 15.8 14.3 21.5



#20  
Methylene Chloride  
Concen: 24.369 ug/l  
RT: 3.78 min Scan# 239  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 84 Resp: 169771  
Ion Ratio Lower Upper  
84 100  
49 143.7 102.9 154.3  
51 39.5 31.2 46.8  
86 66.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 22.556 ug/l

RT: 4.19 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

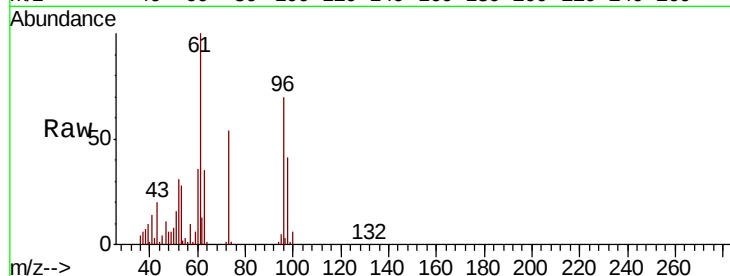
Tot Ion: 96 Resp: 160181

Ion Ratio Lower Upper

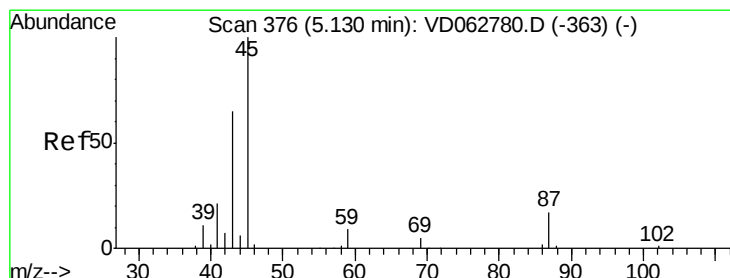
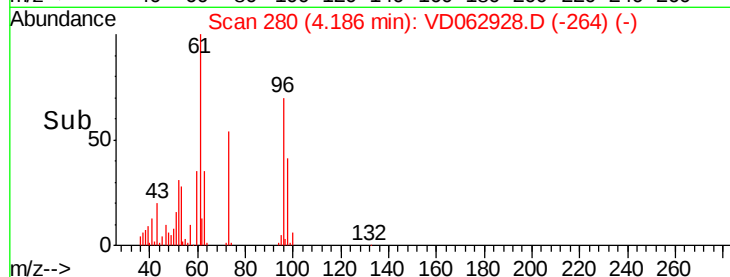
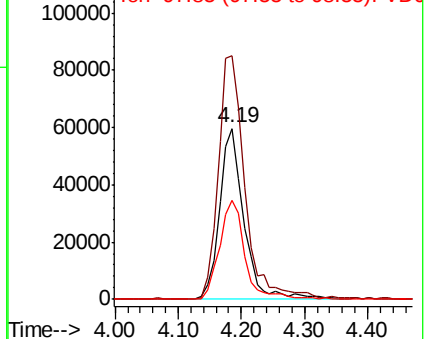
96 100

61 142.4 131.0 196.4

98 58.2 53.2 79.8



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: 22.466 ug/l

RT: 5.08 min Scan# 371

Delta R.T. -0.05 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Tgt Ion: 45 Resp: 450262

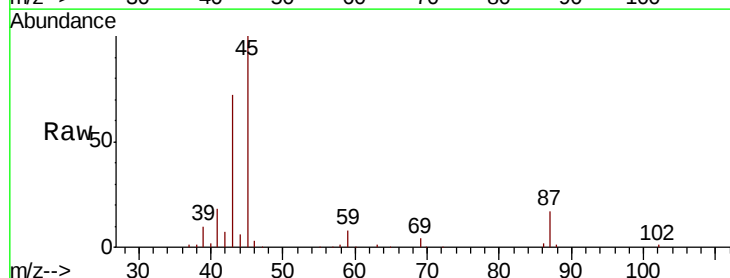
Ion Ratio Lower Upper

45 100

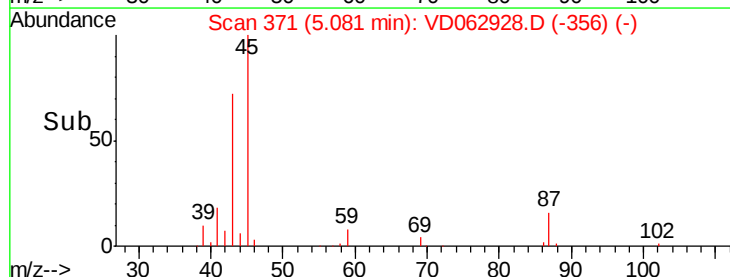
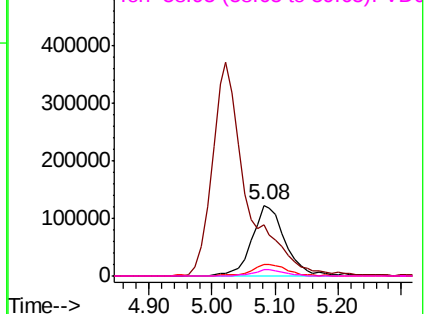
43 71.9 53.4 80.0

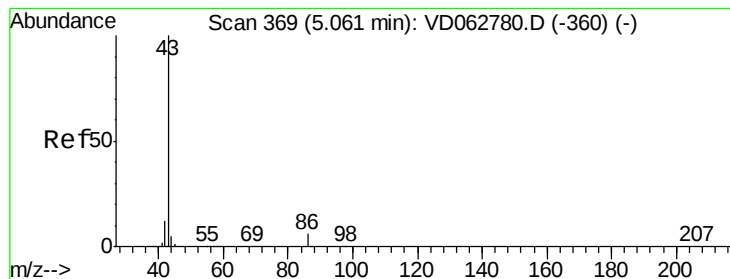
87 17.2 14.6 22.0

59 8.2 7.8 11.8



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: 112.241 ug/l

RT: 5.02 min Scan# 365

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

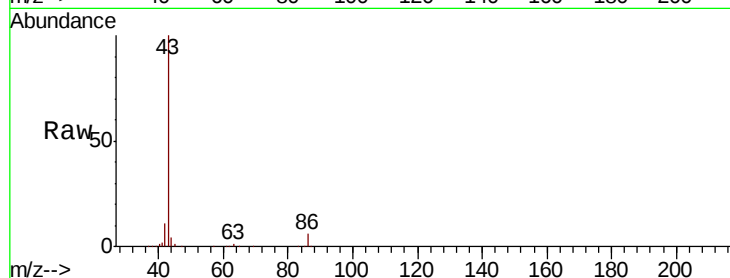
ClientSampleId :

Tot Ion: 43 Resp: 1407595

Ion Ratio Lower Upper

43 100

86 6.4 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.02

400000

300000

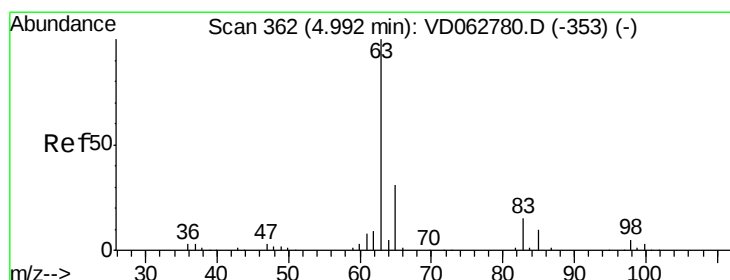
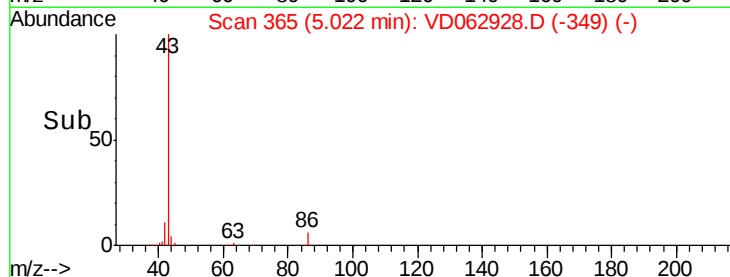
200000

100000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 21.720 ug/l

RT: 4.94 min Scan# 357

Delta R.T. -0.05 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

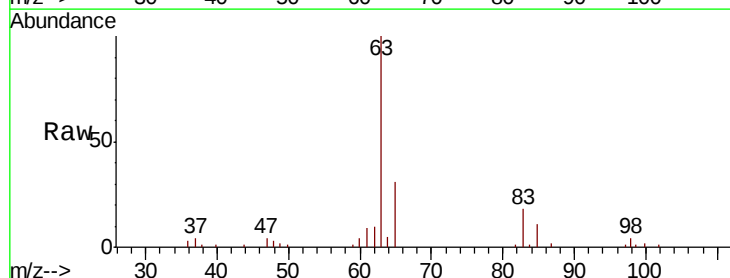
Tgt Ion: 63 Resp: 283409

Ion Ratio Lower Upper

63 100

98 5.2 2.3 6.9

100 2.4 1.7 5.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

100000

80000

60000

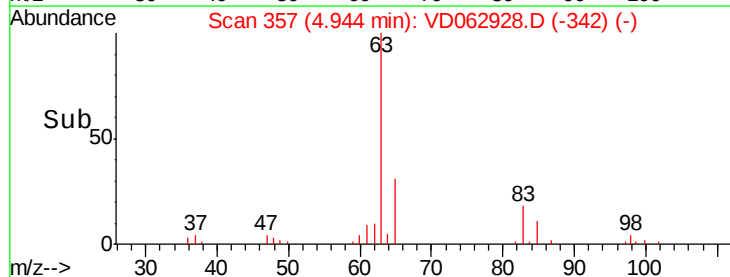
40000

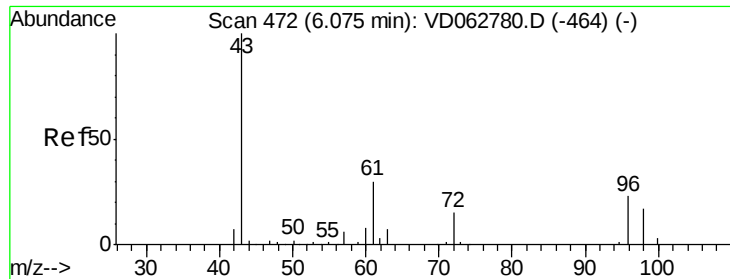
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20

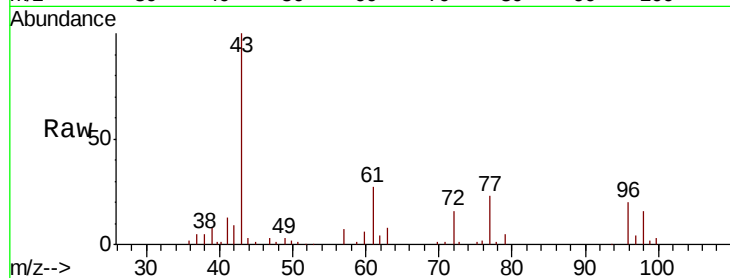




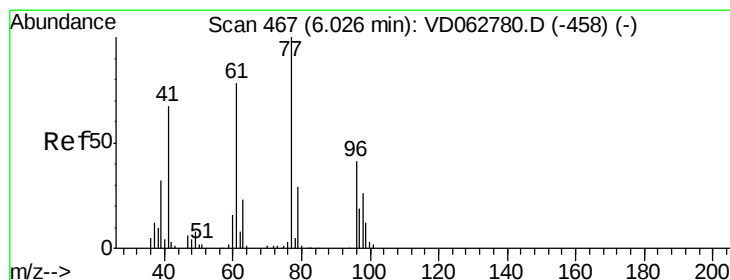
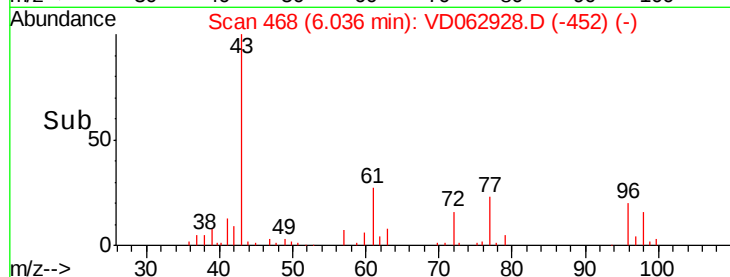
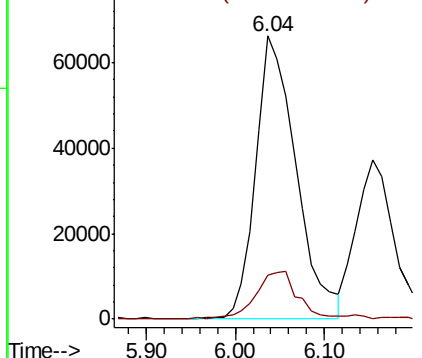
#25  
2-Butanone  
Concen: 122.136 ug/l  
RT: 6.04 min Scan# 468  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 43 Resp: 208667  
Ion Ratio Lower Upper  
43 100  
72 15.7 11.9 17.9

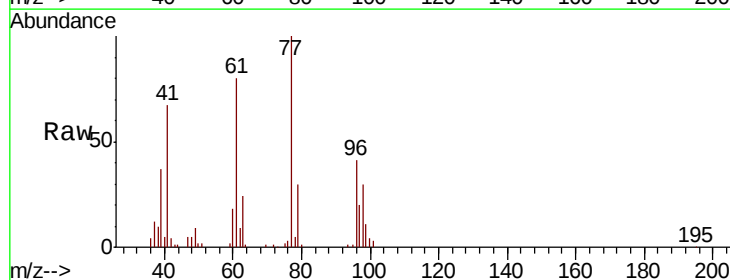


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 72.00 (71.70 to 72.70): VDC

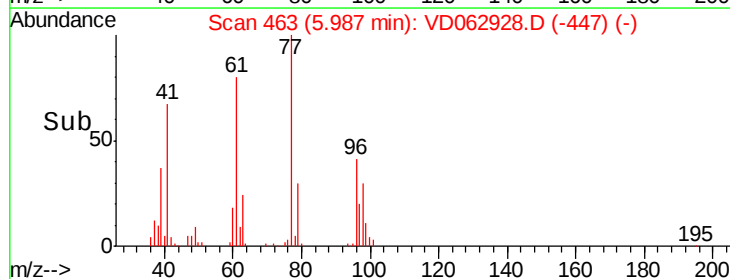
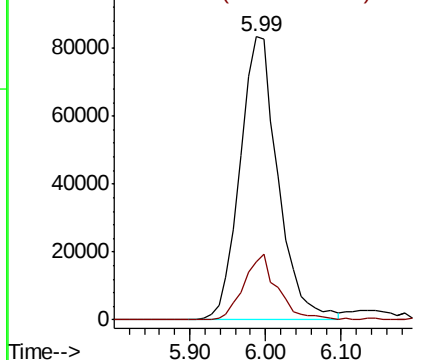


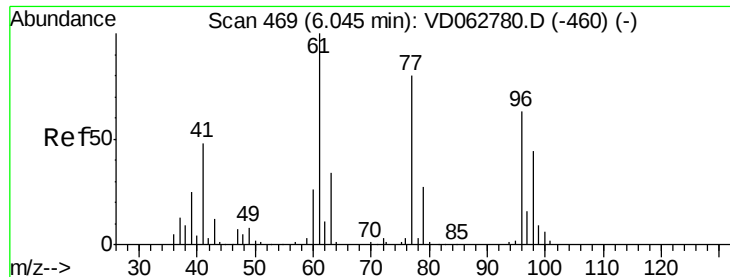
#26  
2,2-Dichloropropane  
Concen: 21.079 ug/l  
RT: 5.99 min Scan# 463  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 77 Resp: 291539  
Ion Ratio Lower Upper  
77 100  
97 20.4 9.5 28.5



Abundance Ion 76.95 (76.65 to 77.65): VDC  
Ion 96.85 (96.55 to 97.55): VDC



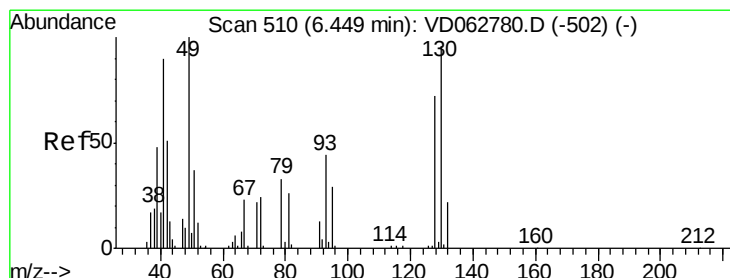
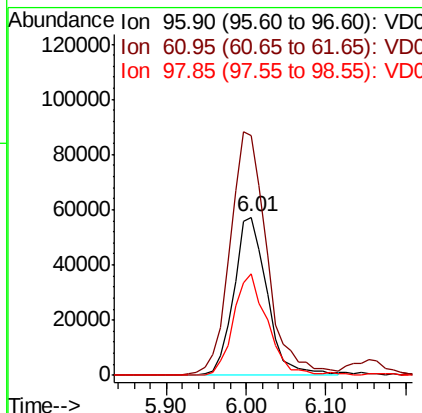
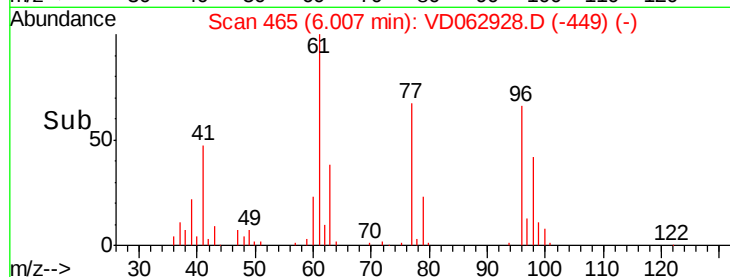
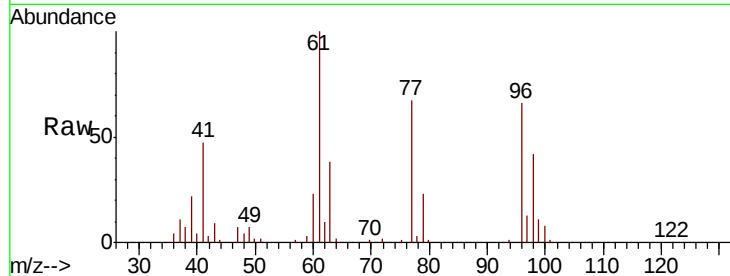


#27

cis-1,2-Dichloroethene  
Concen: 22.204 ug/l  
RT: 6.01 min Scan# 465  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampled :

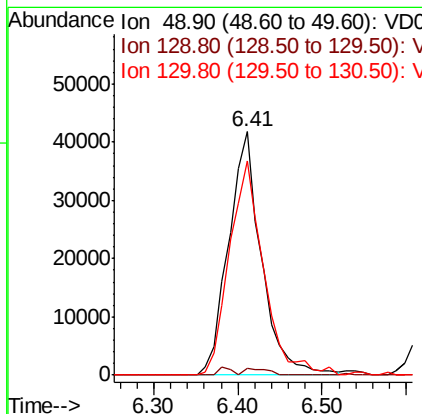
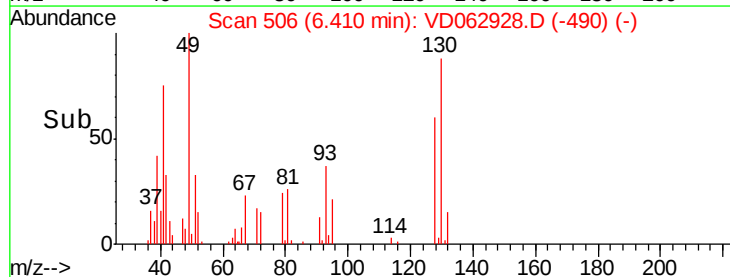
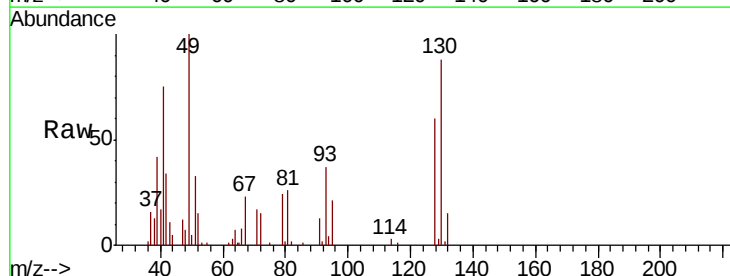
Tot Ion: 96 Resp: 166749  
Ion Ratio Lower Upper  
96 100  
61 151.5 0.0 316.0  
98 64.1 0.0 138.4

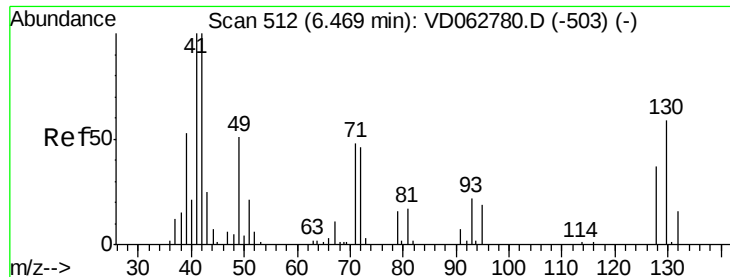


#28

Bromochloromethane  
Concen: 24.593 ug/l  
RT: 6.41 min Scan# 506  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 49 Resp: 113022  
Ion Ratio Lower Upper  
49 100  
129 2.8 0.0 5.6  
130 87.8 76.6 114.8





#29

Tetrahydrofuran

Concen: 119.903 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

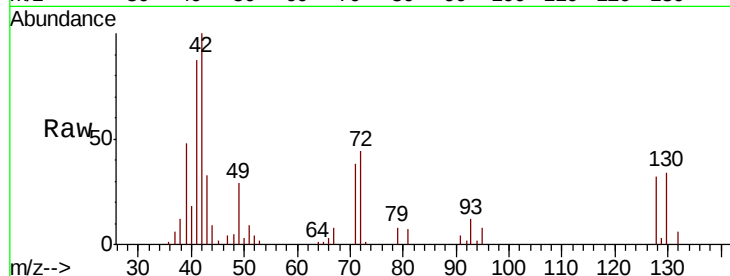
Tot Ion: 42 Resp: 96923

Ion Ratio Lower Upper

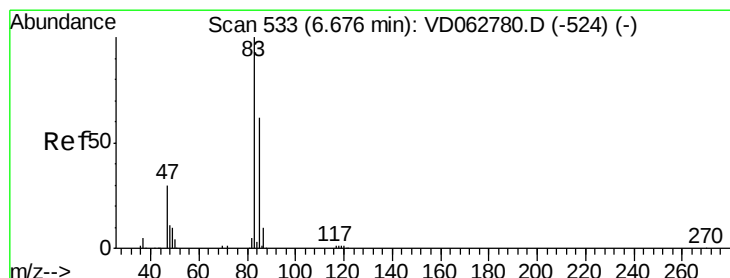
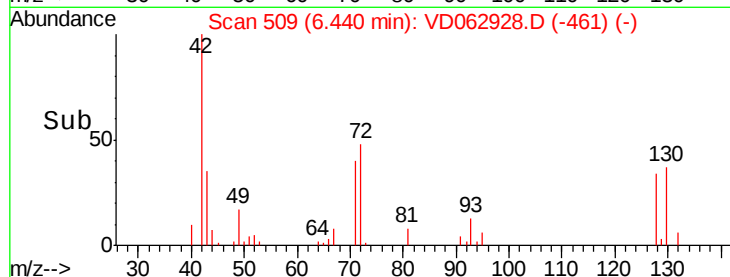
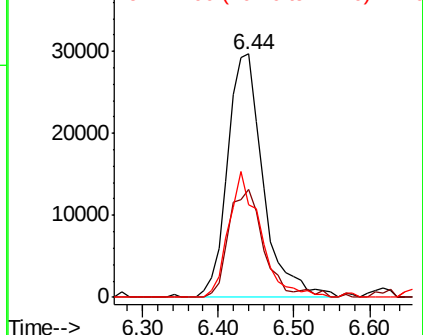
42 100

72 42.0 35.0 52.6

71 46.2 33.3 49.9



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: 22.840 ug/l

RT: 6.64 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD062928.D

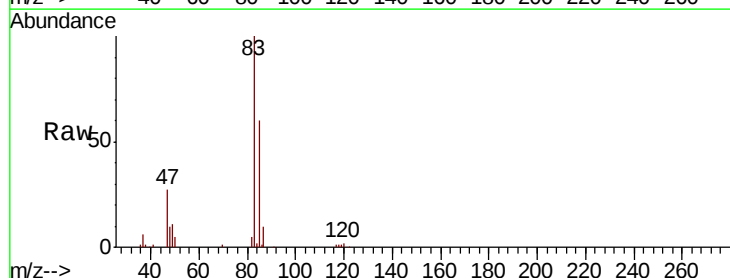
Acq: 27 Jun 2019 13:42

Tgt Ion: 83 Resp: 362456

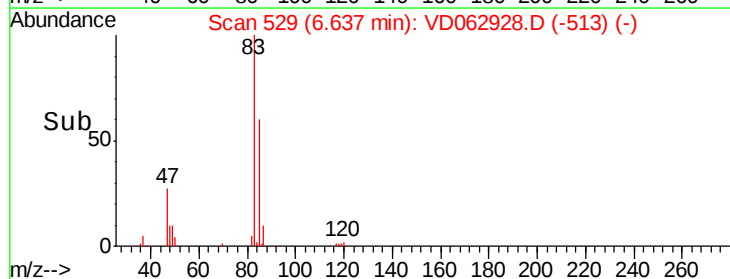
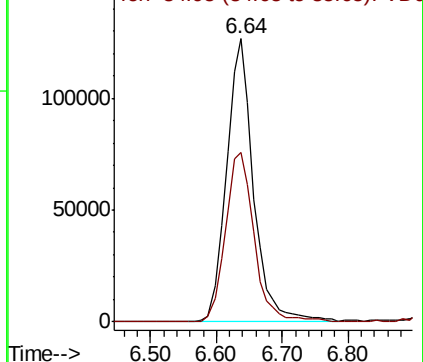
Ion Ratio Lower Upper

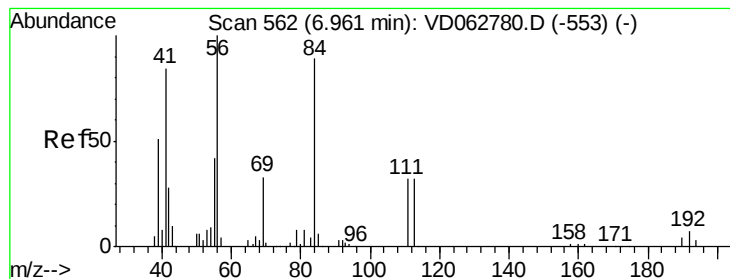
83 100

85 59.8 49.8 74.6



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





#31

Cyclohexane

Concen: 21.740 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampled :

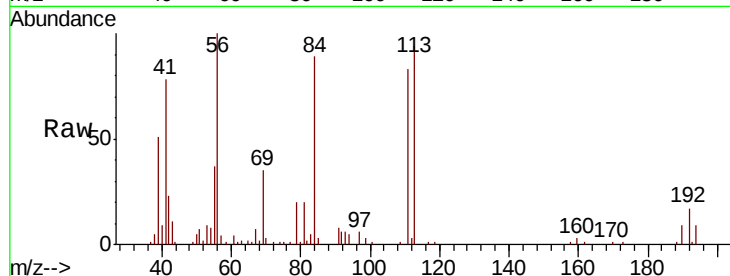
Tot Ion: 56 Resp: 186488

Ion Ratio Lower Upper

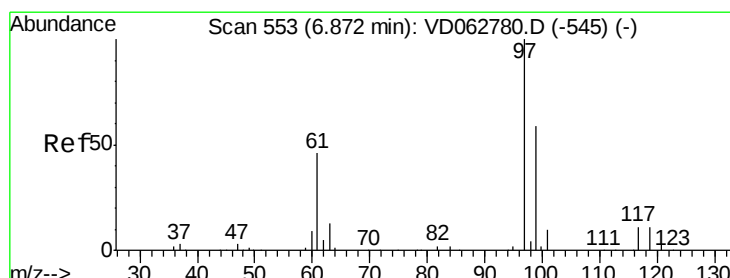
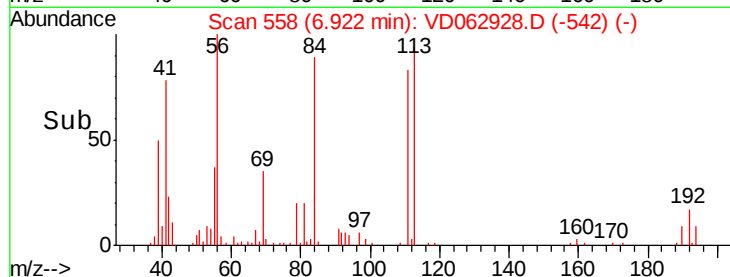
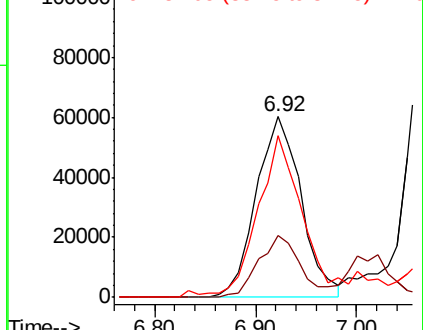
56 100

69 34.6 26.6 39.8

84 89.3 75.5 113.3



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



#32

1,1,1-Trichloroethane

Concen: 21.420 ug/l

RT: 6.83 min Scan# 549

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

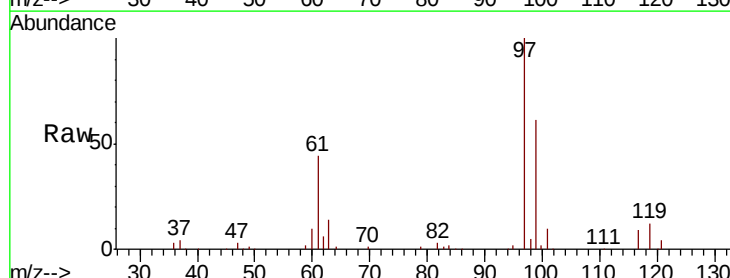
Tgt Ion: 97 Resp: 354048

Ion Ratio Lower Upper

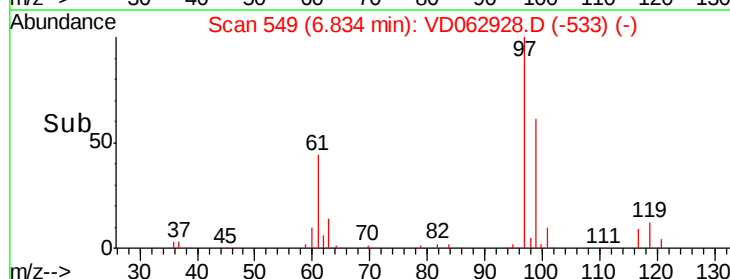
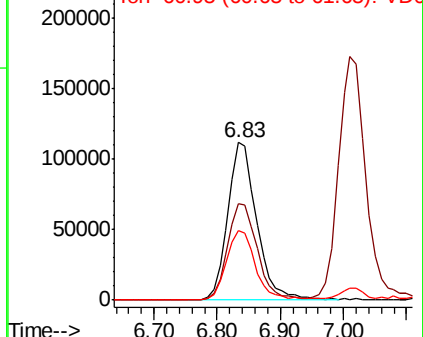
97 100

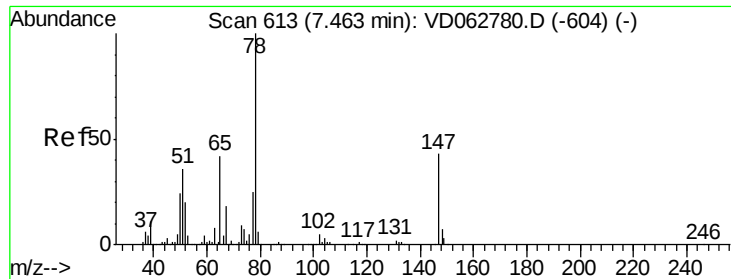
99 61.2 47.4 71.2

61 44.1 37.2 55.8



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





#33

1,2-Dichloroethane-d4

Concen: 48.341 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

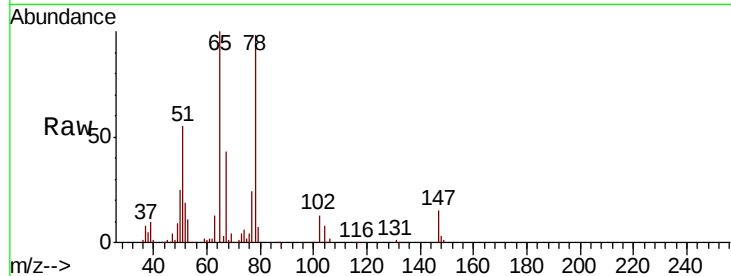
ClientSampleId :

Tot Ion: 65 Resp: 441580

Ion Ratio Lower Upper

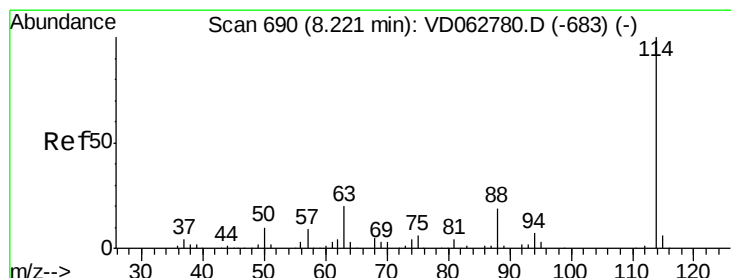
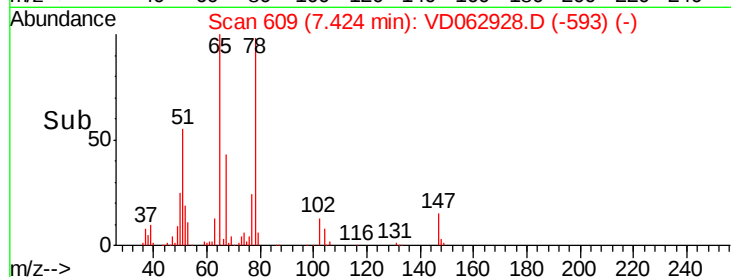
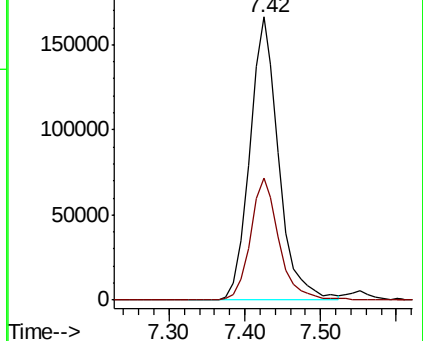
65 100

67 43.3 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.19 min Scan# 687

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

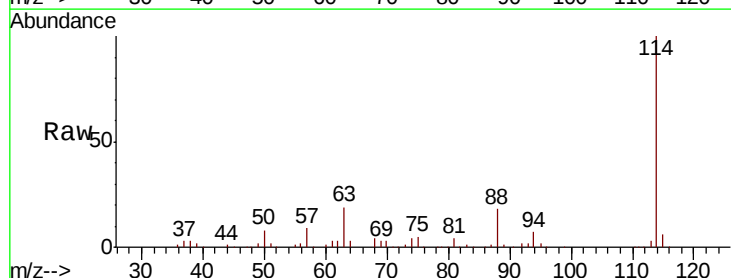
Tgt Ion: 114 Resp: 1181977

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

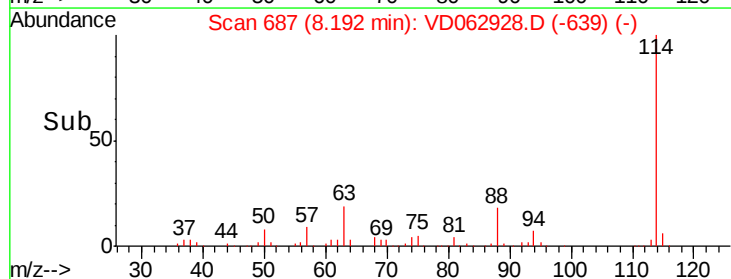
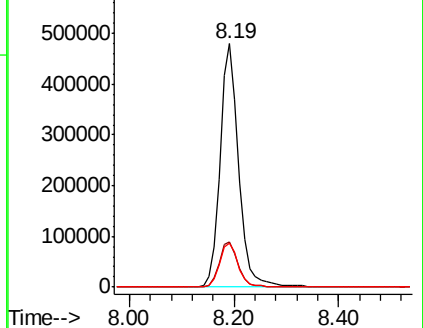
88 18.2 0.0 38.8

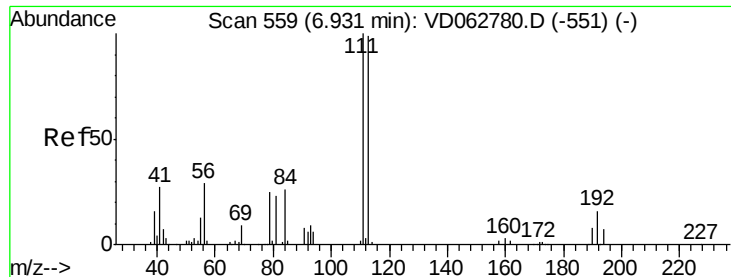


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

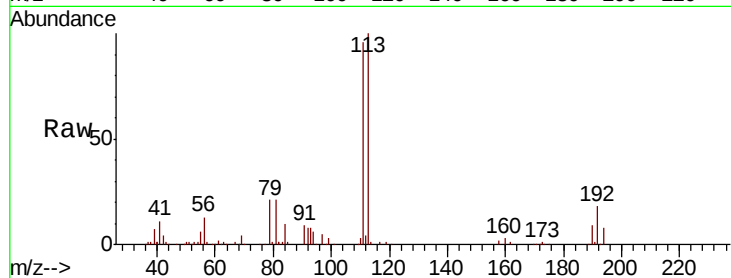




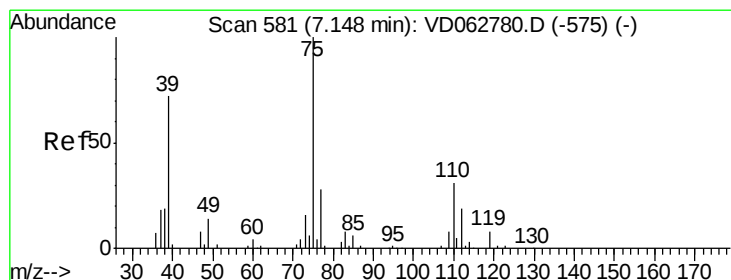
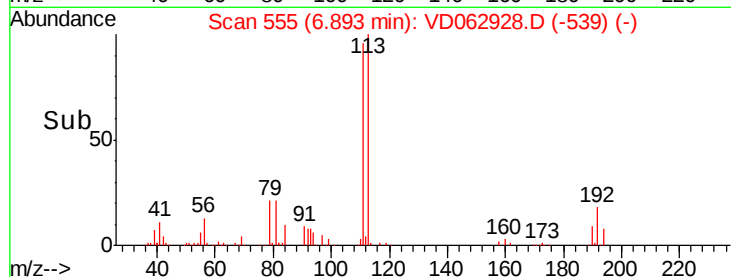
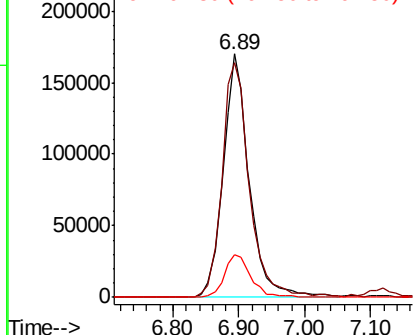
#35  
 Dibromofluoromethane  
 Concen: 47.019 ug/l  
 RT: 6.89 min Scan# 555  
 Delta R.T. -0.04 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:113 Resp: 468609  
 Ion Ratio Lower Upper  
 113 100  
 111 96.2 81.2 121.8  
 192 17.6 12.9 19.3

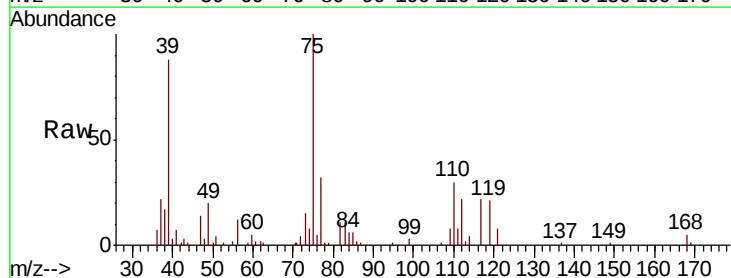


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

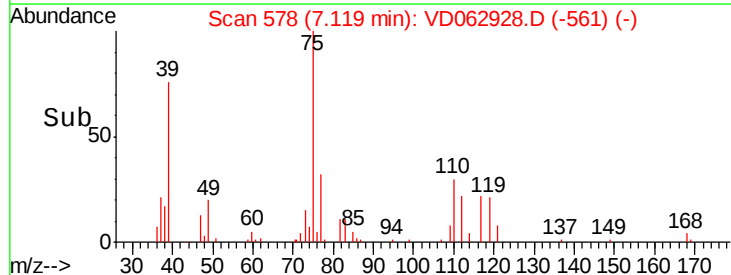
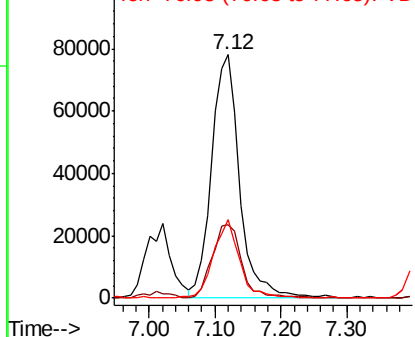


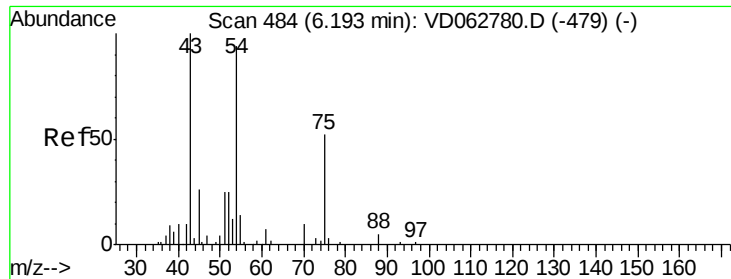
#36  
 1,1-Dichloropropene  
 Concen: 20.552 ug/l  
 RT: 7.12 min Scan# 578  
 Delta R.T. -0.03 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Tgt Ion: 75 Resp: 229954  
 Ion Ratio Lower Upper  
 75 100  
 110 30.0 15.0 45.1  
 77 32.2 22.2 33.2



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

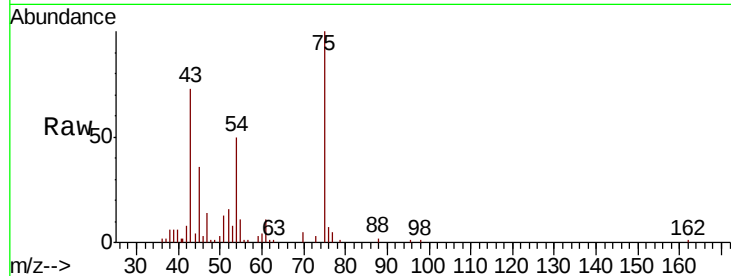




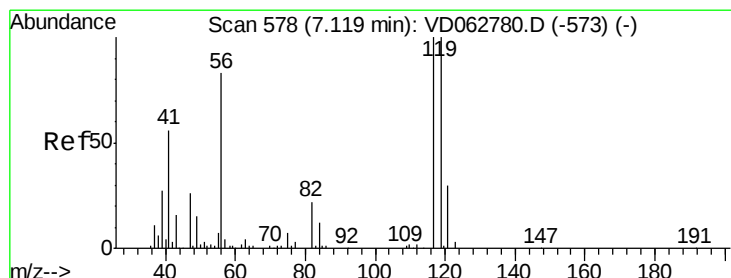
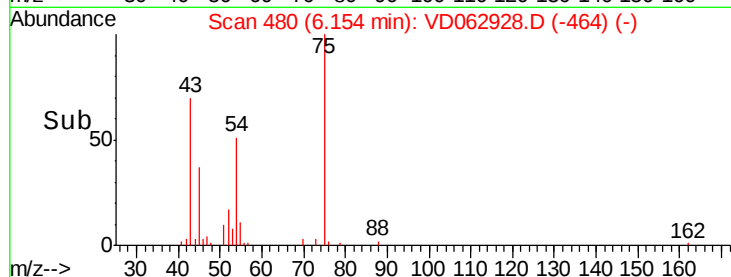
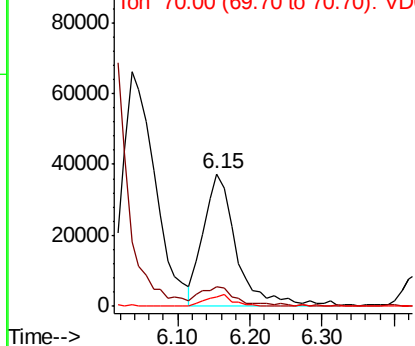
#37  
Ethyl Acetate  
Concen: 24.691 ug/l  
RT: 6.15 min Scan# 480  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 43 Resp: 118671  
Ion Ratio Lower Upper  
43 100  
61 15.0 11.6 17.4  
70 6.8 6.4 9.6

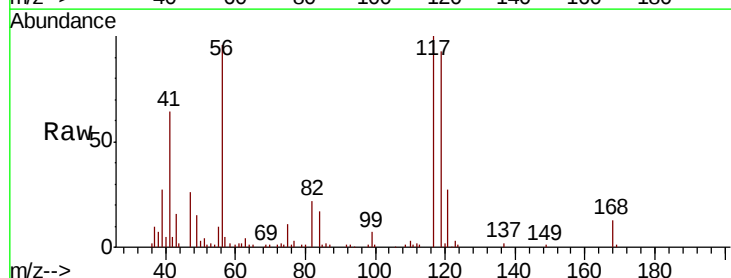


Abundance Ion 42.95 (42.65 to 43.65): VD0  
Ion 60.95 (60.65 to 61.65): VD0  
Ion 70.00 (69.70 to 70.70): VD0

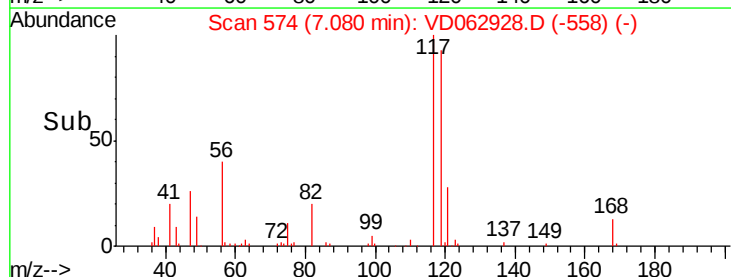
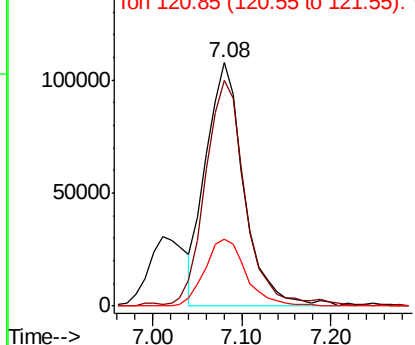


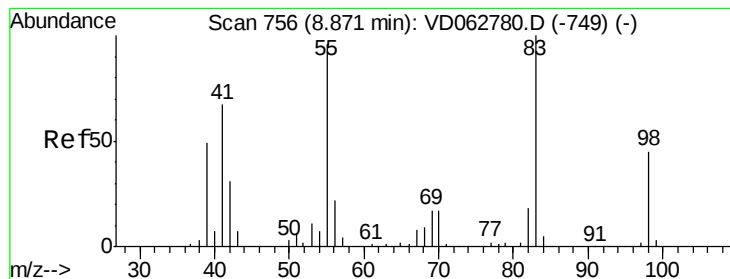
#38  
Carbon Tetrachloride  
Concen: 19.029 ug/l  
RT: 7.08 min Scan# 574  
Delta R.T. -0.04 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 117 Resp: 320214  
Ion Ratio Lower Upper  
117 100  
119 92.9 75.4 113.2  
121 27.4 22.3 33.5



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

Methvlcvclohexane

Concen: 20.032 ug/l

RT: 8.84 min Scan# 753

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

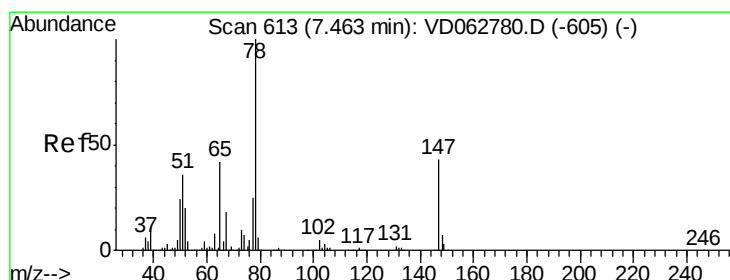
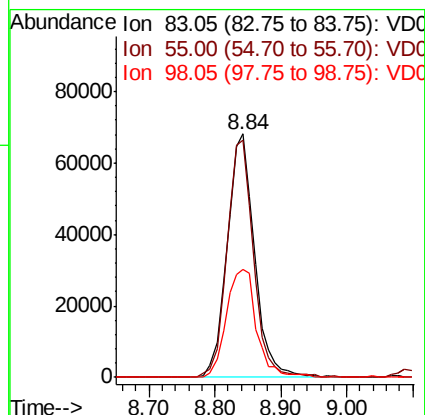
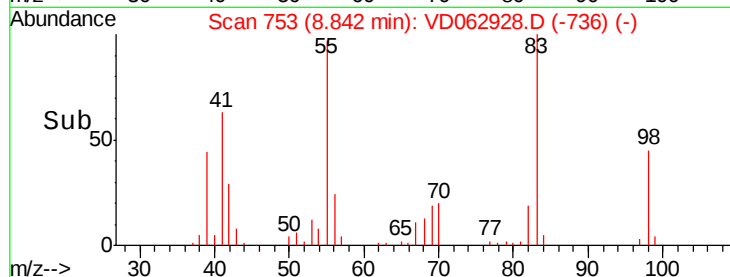
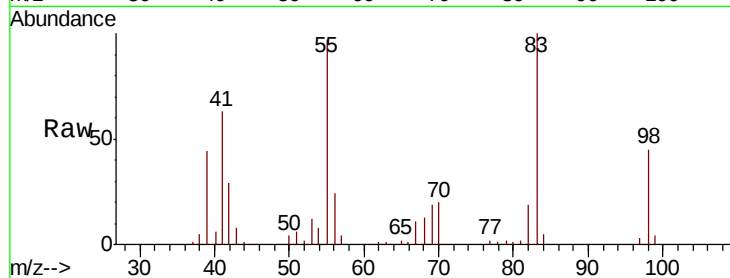
Tot Ion: 83 Resp: 197294

Ion Ratio Lower Upper

83 100

55 97.3 76.6 115.0

98 44.6 35.7 53.5



#40

Benzene

Concen: 20.657 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062928.D

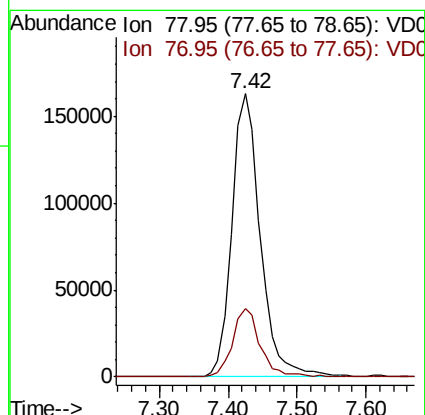
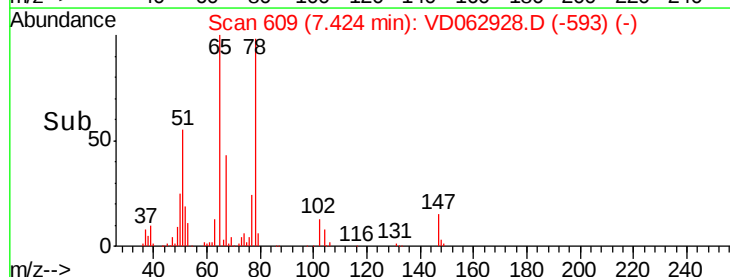
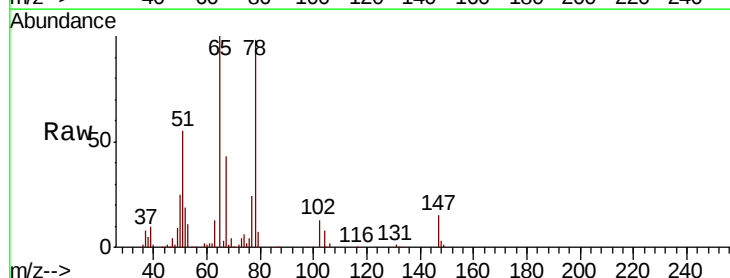
Acq: 27 Jun 2019 13:42

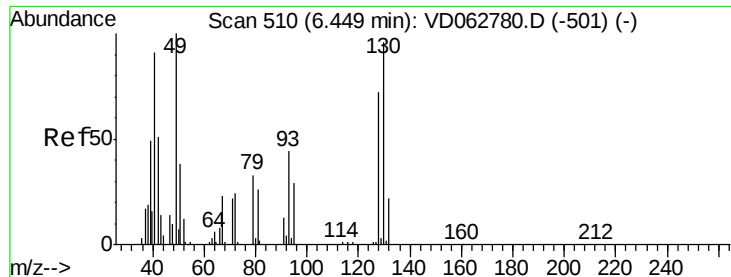
Tgt Ion: 78 Resp: 463951

Ion Ratio Lower Upper

78 100

77 24.3 20.2 30.2





#41

Methacrylonitrile

Concen: 23.045 ug/l

RT: 6.42 min Scan# 507

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampled :

Tot Ion: 41 Resp: 135983

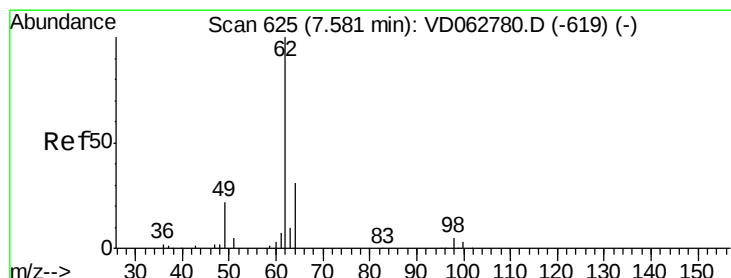
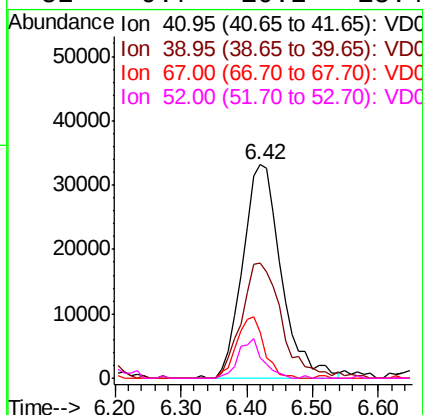
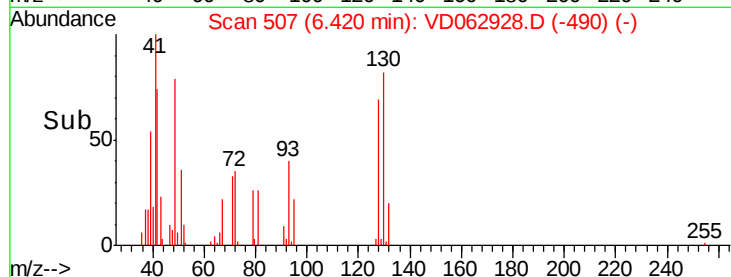
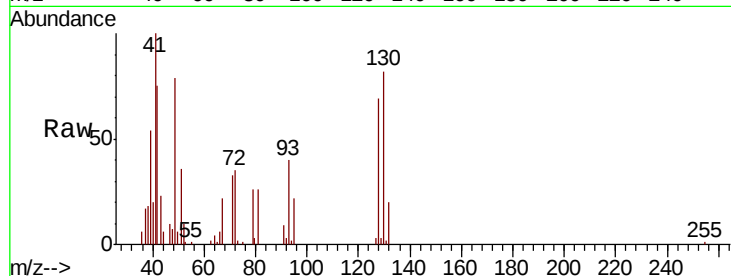
Ion Ratio Lower Upper

41 100

39 54.2 43.2 64.8

67 21.7 19.9 29.9

52 9.7 10.2 15.4#



#42

1,2-Dichloroethane

Concen: 22.515 ug/l

RT: 7.55 min Scan# 622

Delta R.T. -0.03 min

Lab File: VD062928.D

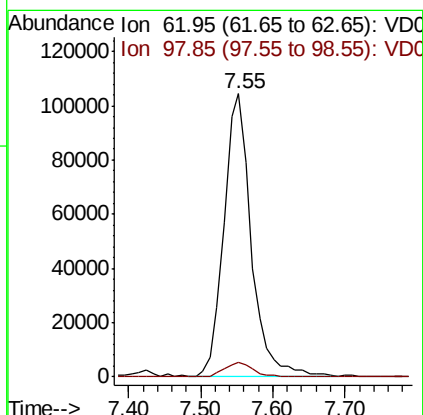
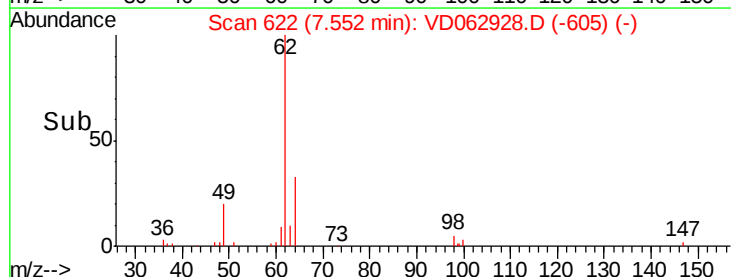
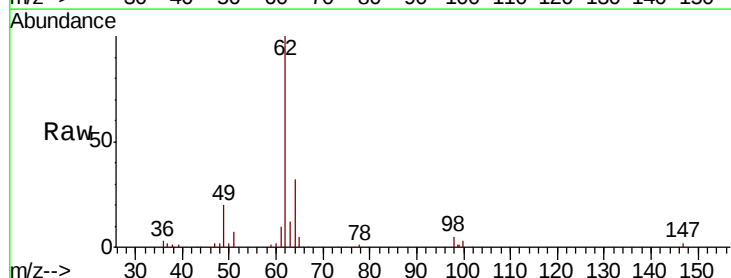
Acq: 27 Jun 2019 13:42

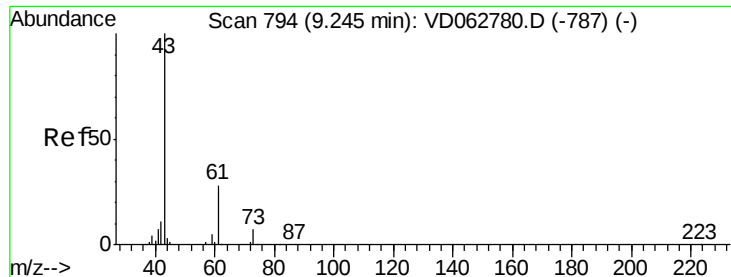
Tgt Ion: 62 Resp: 275859

Ion Ratio Lower Upper

62 100

98 5.0 0.0 10.0

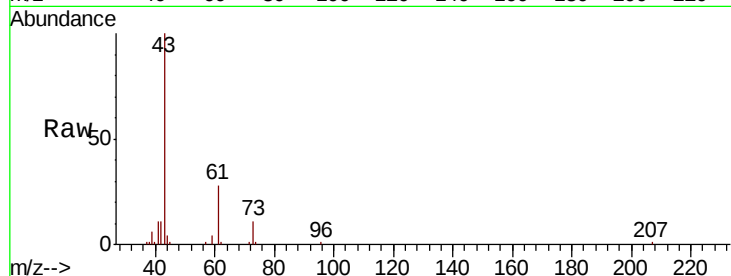




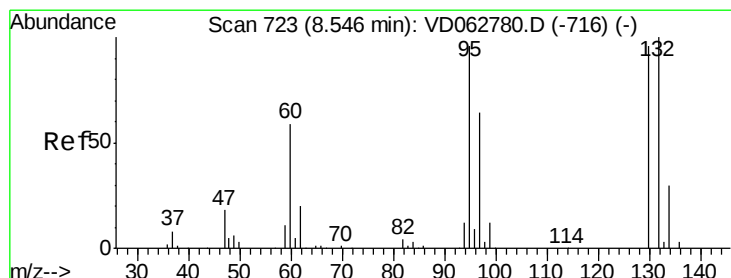
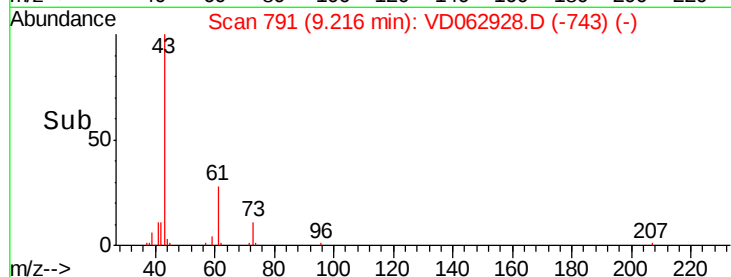
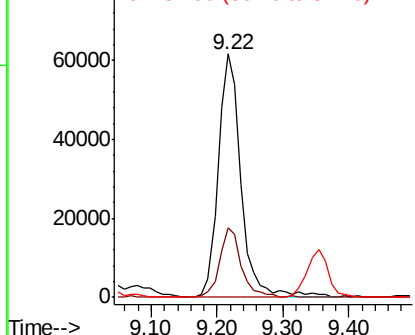
#43  
Isopropyl Acetate  
Concen: 25.309 ug/l  
RT: 9.22 min Scan# 791  
Delta R.T. -0.03 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 43 Resp: 148461  
Ion Ratio Lower Upper  
43 100  
61 28.4 22.4 33.6  
87 0.0 0.3 0.5#

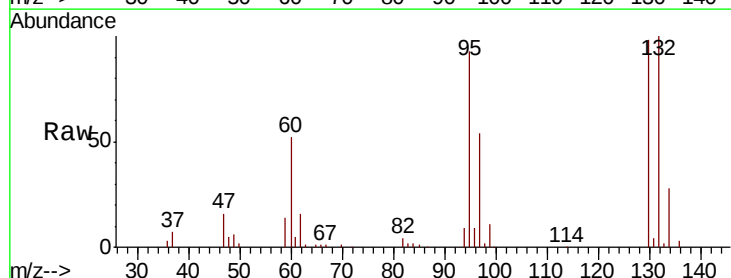


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 87.00 (86.70 to 87.70): VDC

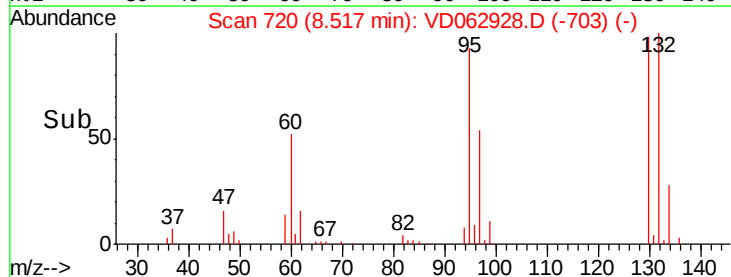
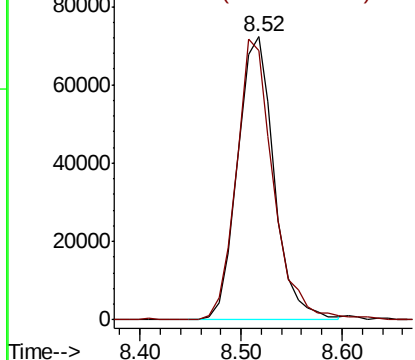


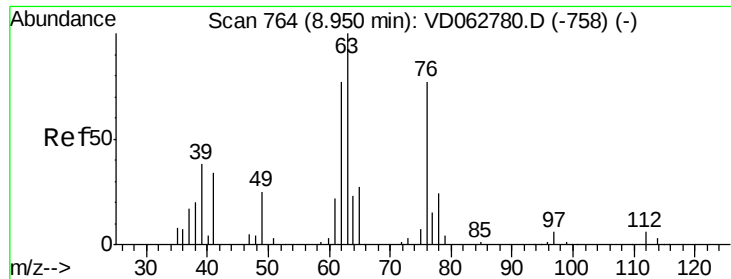
#44  
Trichloroethene  
Concen: 20.684 ug/l  
RT: 8.52 min Scan# 720  
Delta R.T. -0.03 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion:130 Resp: 182125  
Ion Ratio Lower Upper  
130 100  
95 94.9 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 20.820 ug/l

RT: 8.91 min Scan# 760

Delta R.T. -0.04 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

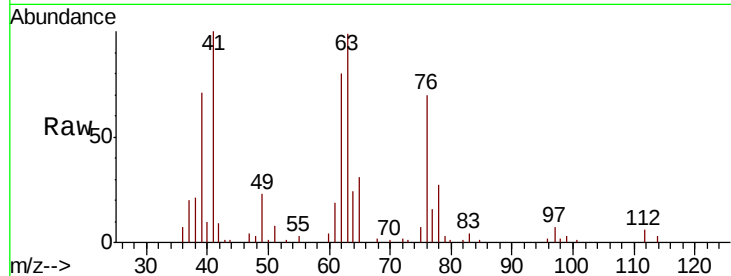
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 63 Resp: 116278

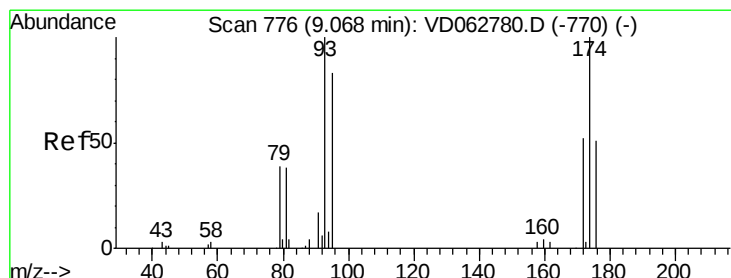
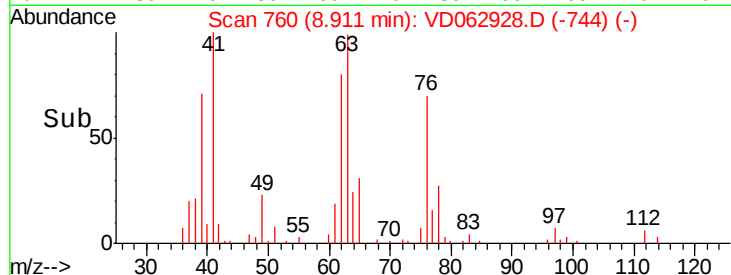
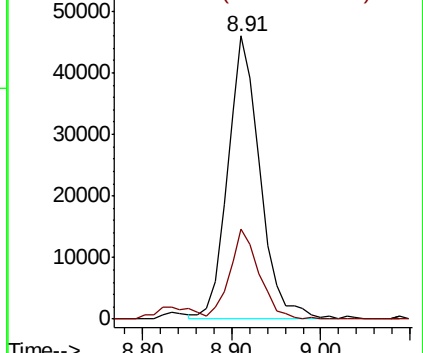
Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.2



Abundance Ion 62.95 (62.65 to 63.65): VDC  
Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.640 ug/l

RT: 9.04 min Scan# 773

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

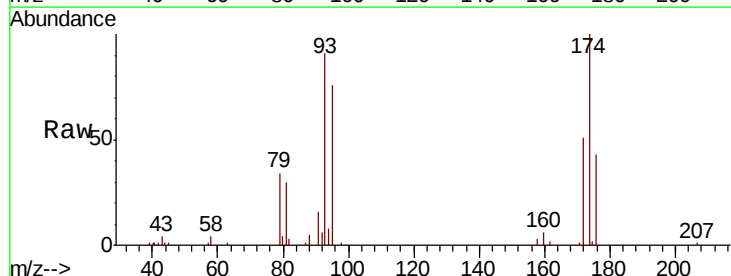
Tgt Ion: 93 Resp: 103817

Ion Ratio Lower Upper

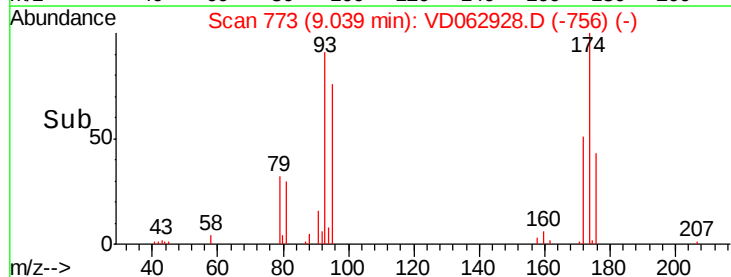
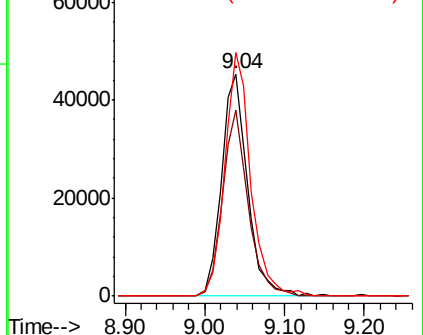
93 100

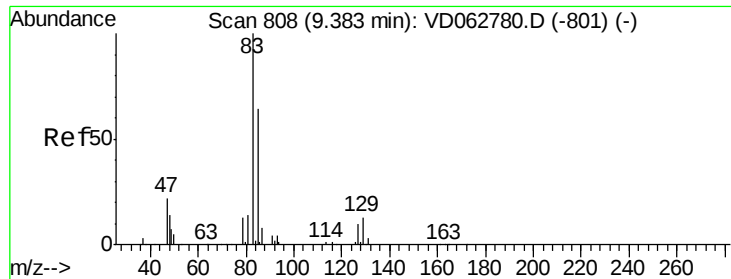
95 83.7 66.6 100.0

174 109.4 79.7 119.5



Abundance Ion 92.90 (92.60 to 93.60): VDC  
Ion 94.90 (94.60 to 95.60): VDC  
Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.246 ug/l

RT: 9.35 min Scan# 805

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

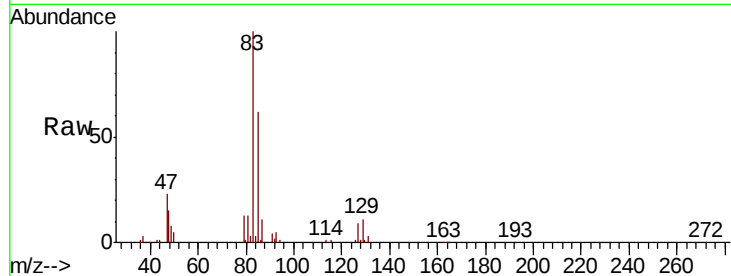
Tot Ion: 83 Resp: 264713

Ion Ratio Lower Upper

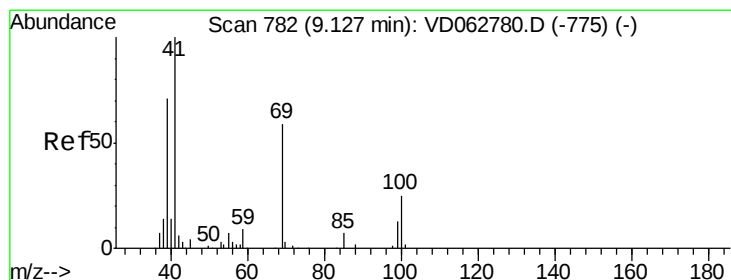
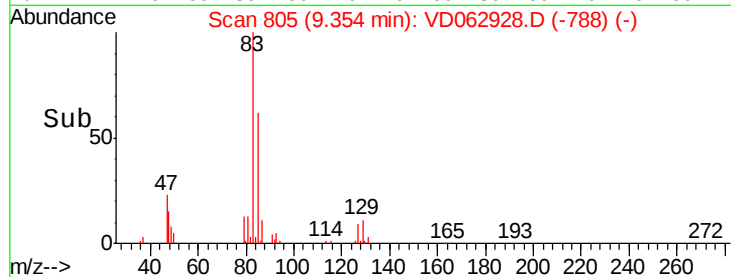
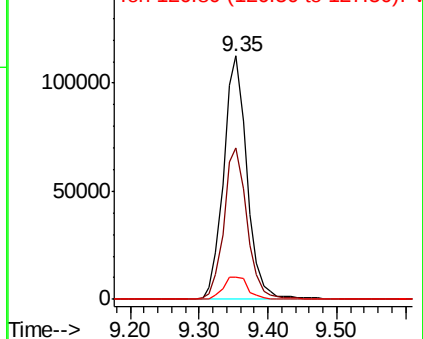
83 100

85 62.3 51.6 77.4

127 9.2 7.8 11.6



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



#48

Methyl methacrylate

Concen: 22.275 ug/l

RT: 9.10 min Scan# 779

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

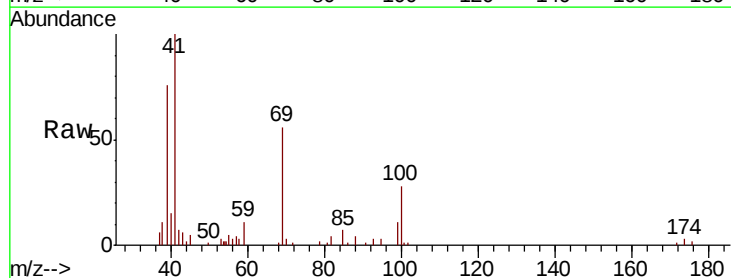
Tgt Ion: 41 Resp: 92856

Ion Ratio Lower Upper

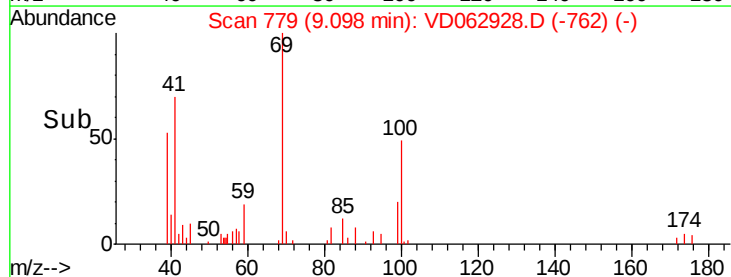
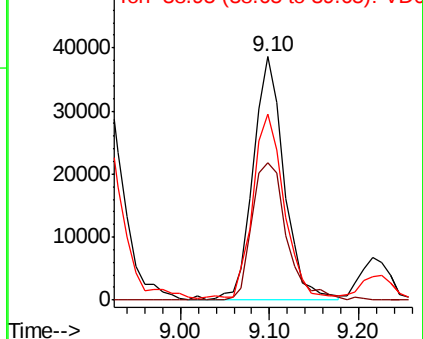
41 100

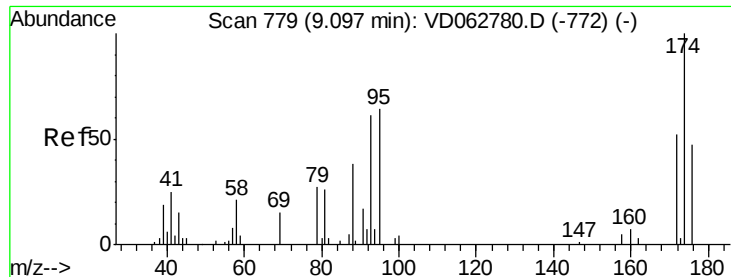
69 56.4 47.2 70.8

39 76.4 57.4 86.2



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: 503.701 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

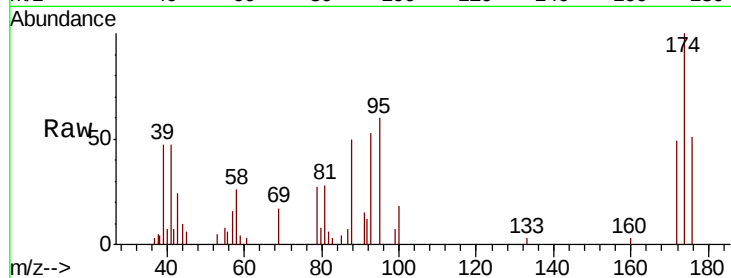
Tot Ion: 88 Resp: 17469

Ion Ratio Lower Upper

88 100

43 48.5 32.1 48.1#

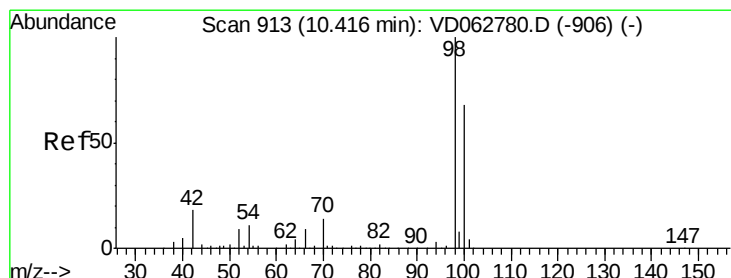
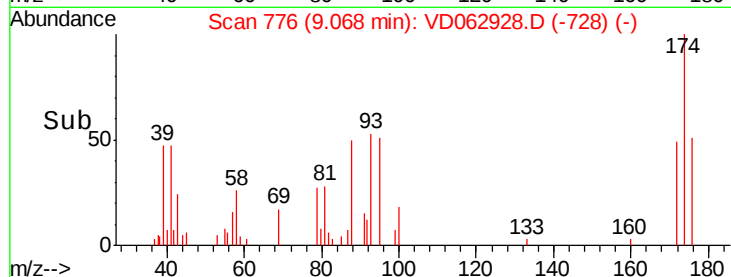
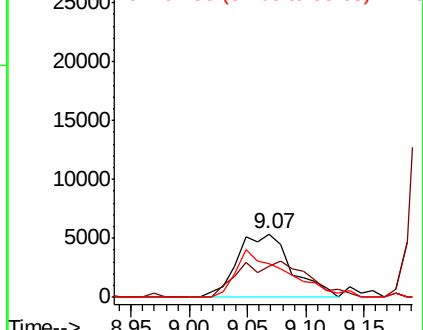
58 52.9 44.1 66.1



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: 48.381 ug/l

RT: 10.39 min Scan# 910

Delta R.T. -0.03 min

Lab File: VD062928.D

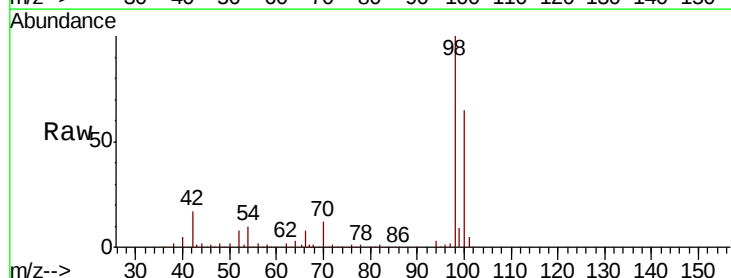
Acq: 27 Jun 2019 13:42

Tgt Ion: 98 Resp: 1049448

Ion Ratio Lower Upper

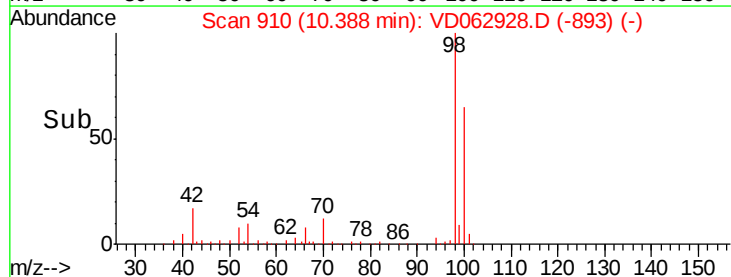
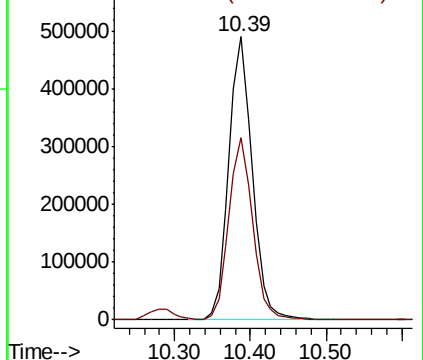
98 100

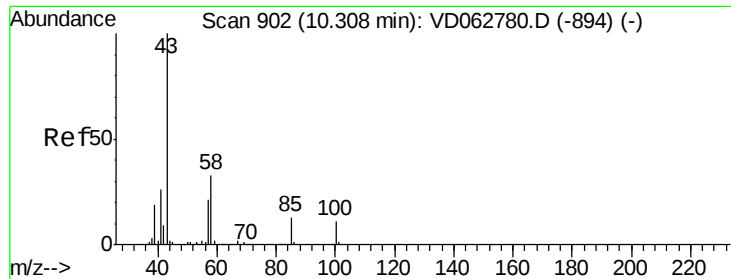
100 64.6 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

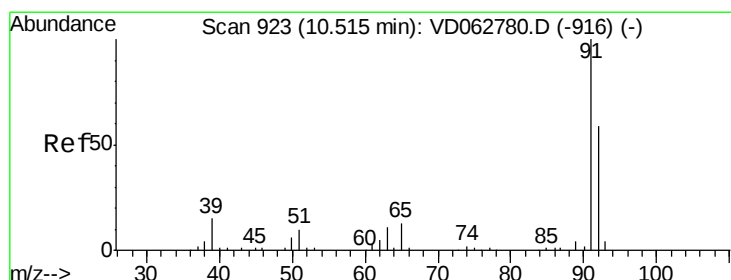
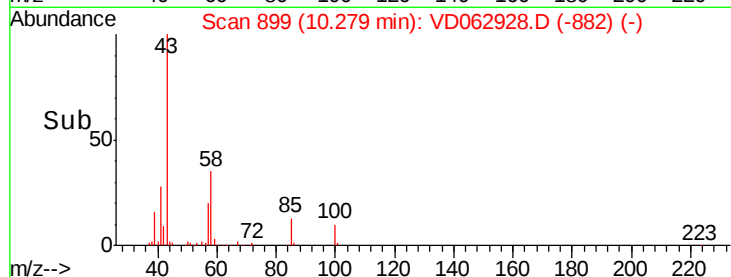
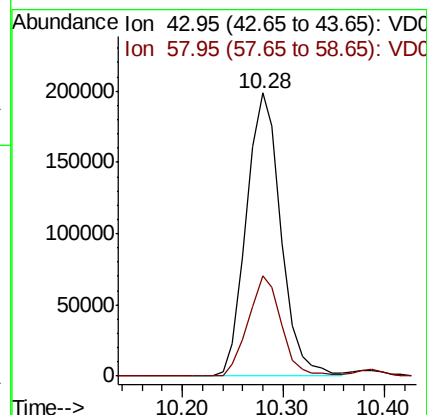
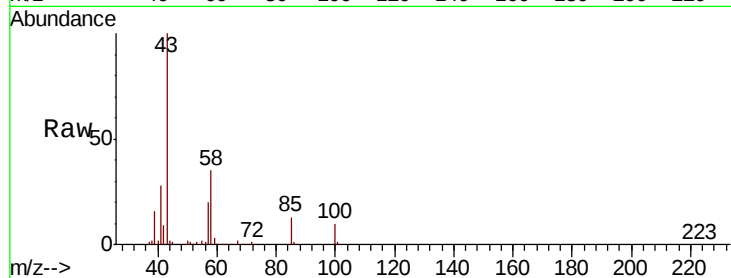




#51  
4-Methyl-2-Pentanone  
Concen: 114.411 ug/l  
RT: 10.28 min Scan# 899  
Delta R.T. -0.03 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

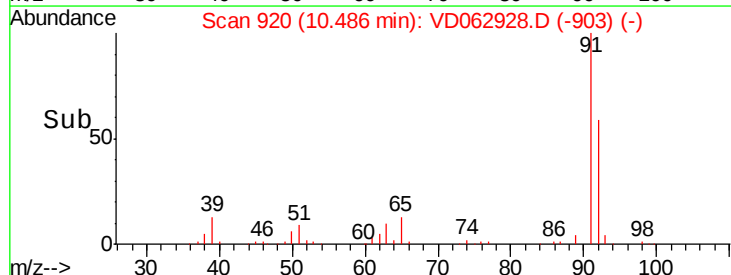
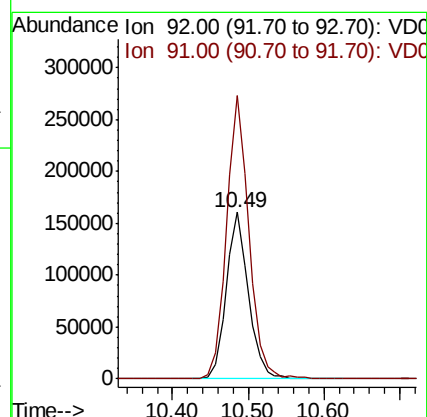
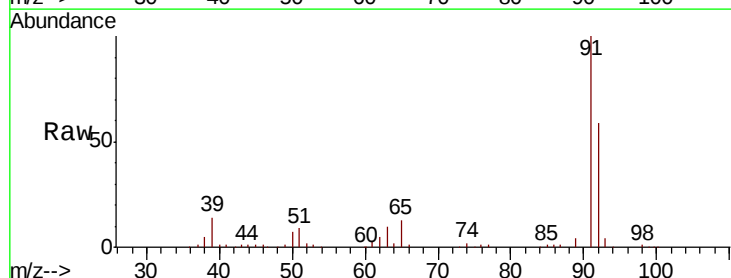
Instrument :  
MSVOA\_D  
ClientSampleId :

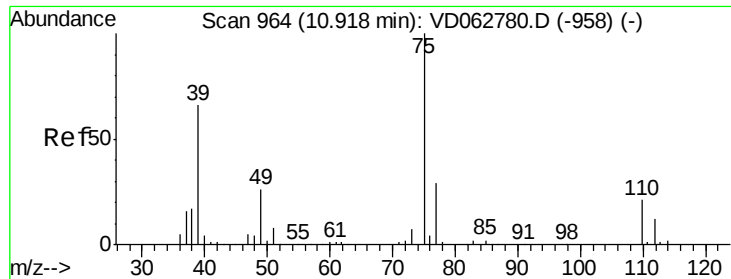
Tot Ion: 43 Resp: 475836  
Ion Ratio Lower Upper  
43 100  
58 35.2 26.6 40.0



#52  
Toluene  
Concen: 21.518 ug/l  
RT: 10.49 min Scan# 920  
Delta R.T. -0.03 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 92 Resp: 324873  
Ion Ratio Lower Upper  
92 100  
91 169.8 136.3 204.5

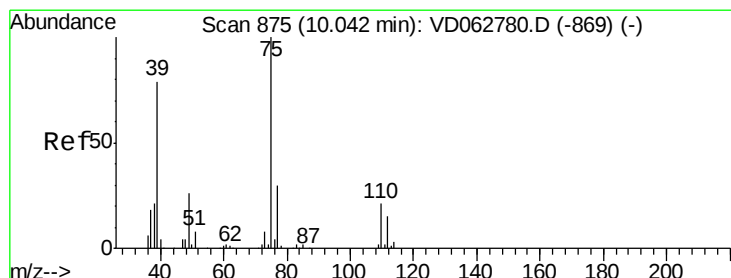
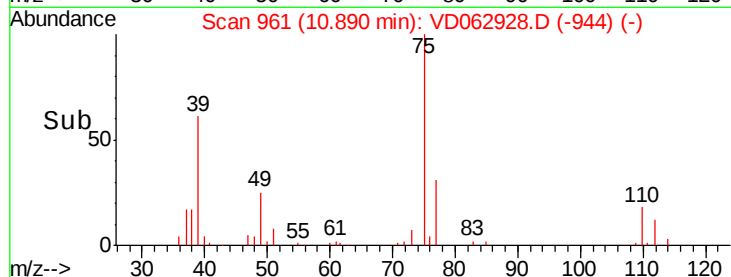
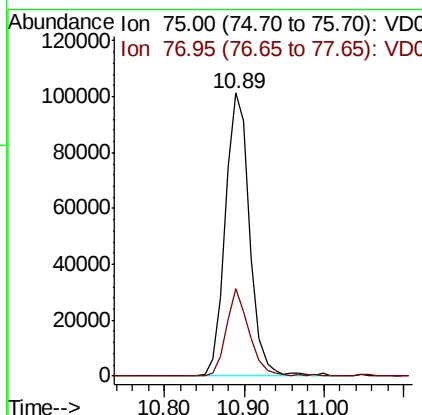
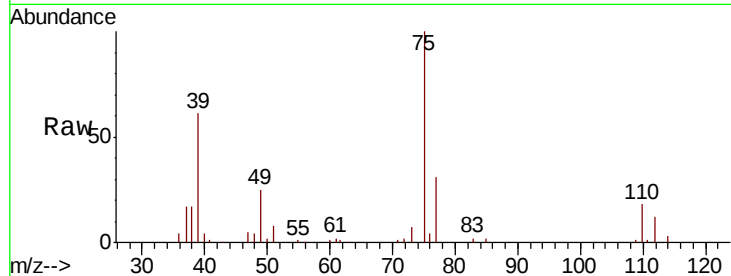




#53  
 t-1,3-Dichloropropene  
 Concen: 21.357 ug/l  
 RT: 10.89 min Scan# 961  
 Delta R.T. -0.03 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

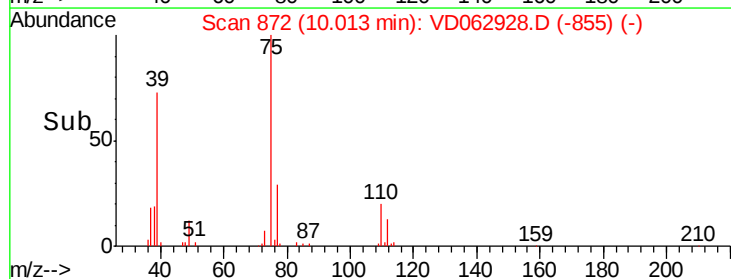
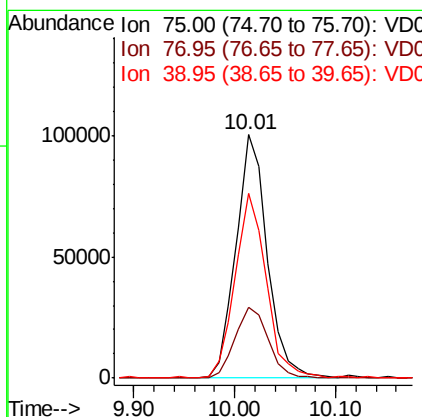
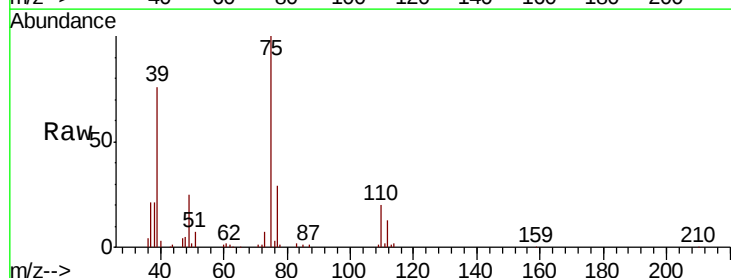
Instrument :  
 MSVOA\_D  
 ClientSampleID :

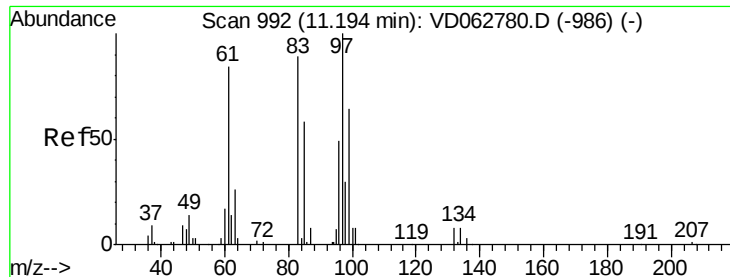
Tot Ion: 75 Resp: 217800  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 23.2 34.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.649 ug/l  
 RT: 10.01 min Scan# 872  
 Delta R.T. -0.03 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Tgt Ion: 75 Resp: 217792  
 Ion Ratio Lower Upper  
 75 100  
 77 28.9 24.2 36.2  
 39 75.8 63.5 95.3



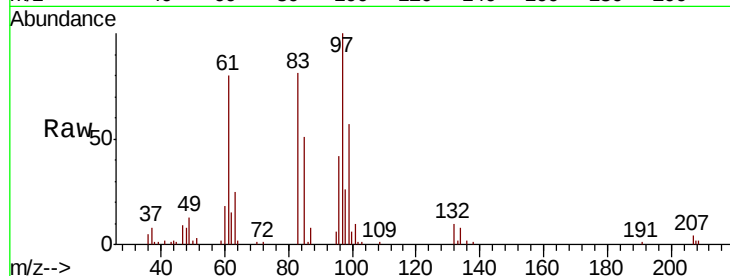


#55  
 1,1,2-Trichloroethane  
 Concen: 22.608 ug/l  
 RT: 11.17 min Scan# 989  
 Delta R.T. -0.03 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

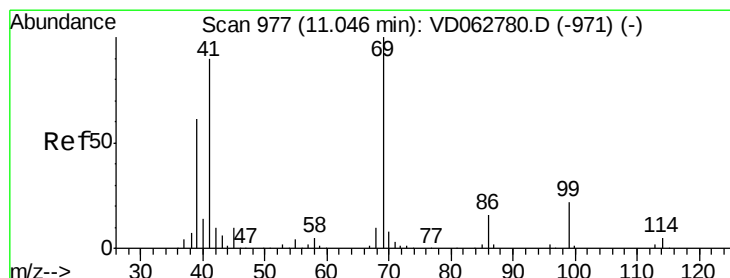
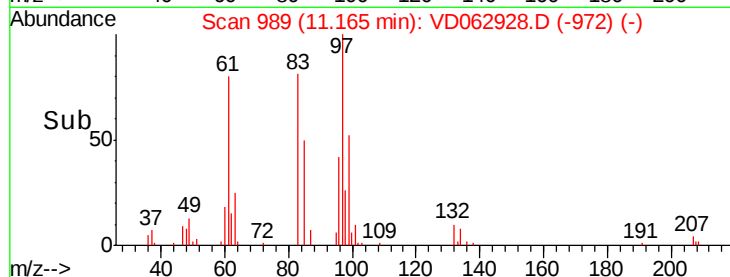
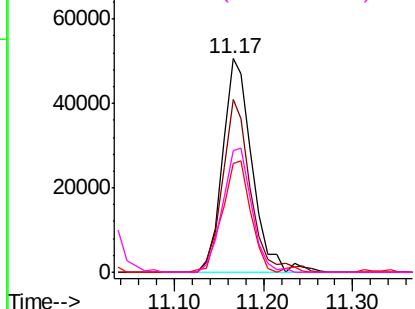
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion: 97 Resp: 117268  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 81.1  | 71.0  | 106.4 |
| 85  | 51.1  | 46.6  | 69.8  |
| 99  | 57.1  | 51.4  | 77.0  |



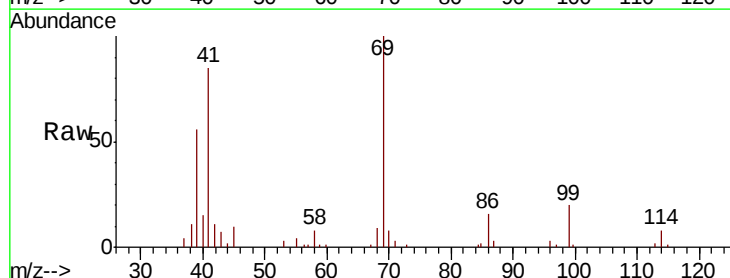
Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC



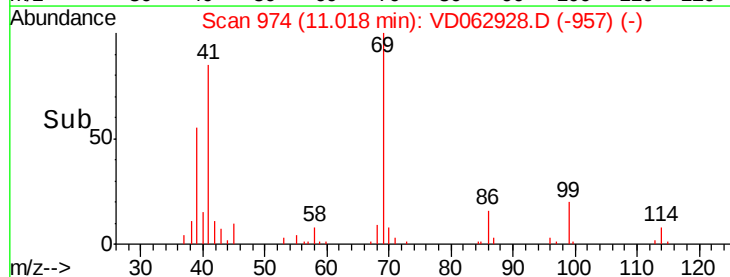
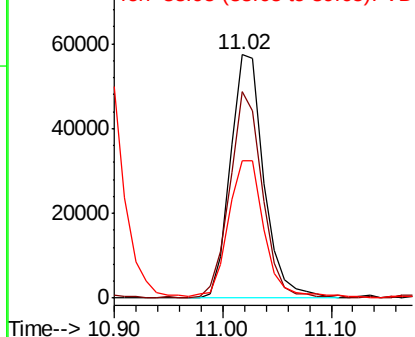
#56  
 Ethyl methacrylate  
 Concen: 22.274 ug/l  
 RT: 11.02 min Scan# 974  
 Delta R.T. -0.03 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

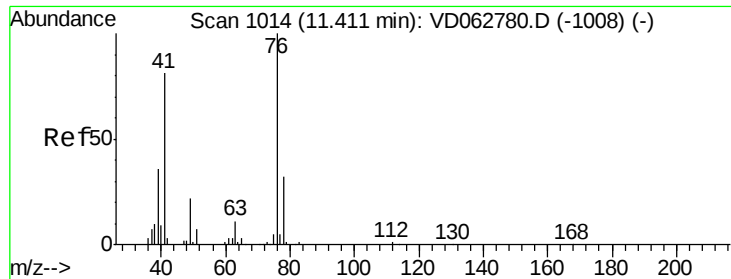
Tgt Ion: 69 Resp: 123470  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 85.1  | 72.0  | 108.0 |
| 39  | 56.5  | 49.5  | 74.3  |



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





#57

1,3-Dichloropropane

Concen: 22.471 ug/l

RT: 11.38 min Scan# 1011

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

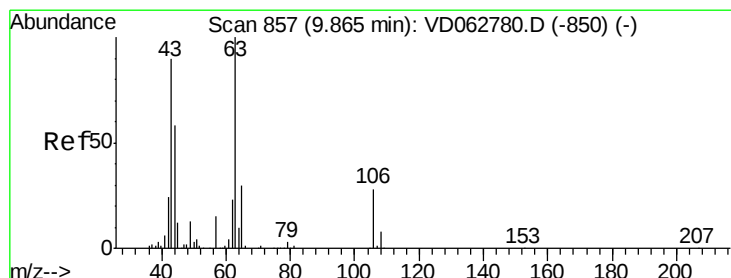
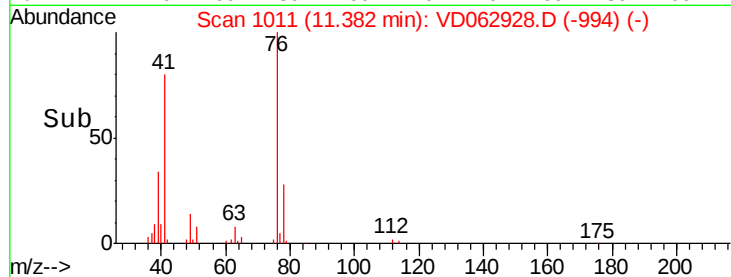
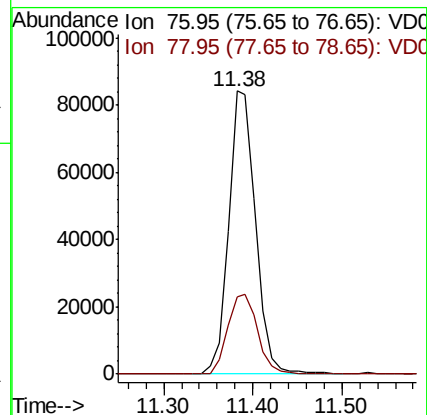
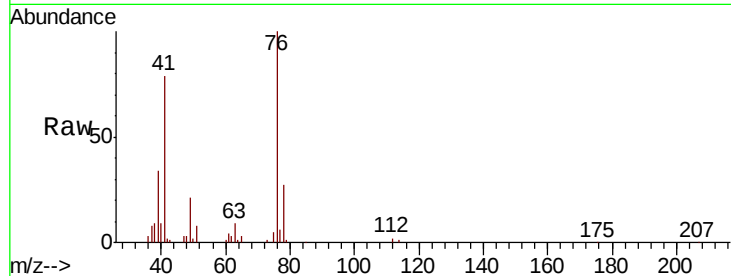
ClientSampleId :

Tot Ion: 76 Resp: 178468

Ion Ratio Lower Upper

76 100

78 27.4 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 116.102 ug/l

RT: 9.84 min Scan# 854

Delta R.T. -0.03 min

Lab File: VD062928.D

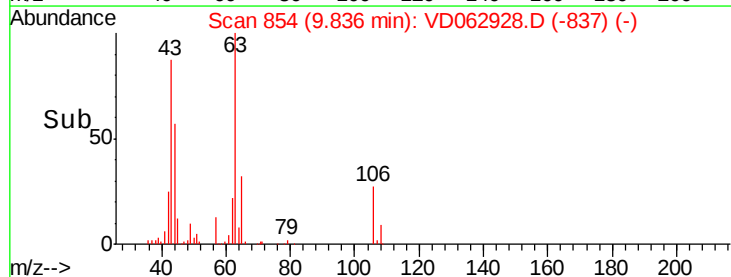
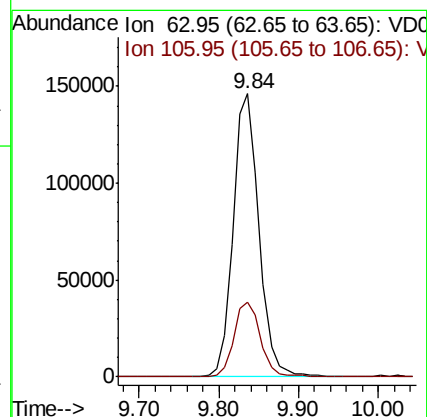
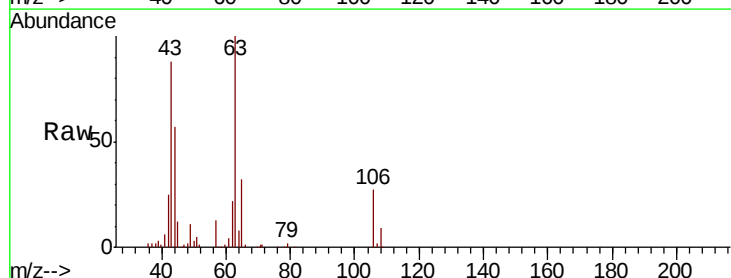
Acq: 27 Jun 2019 13:42

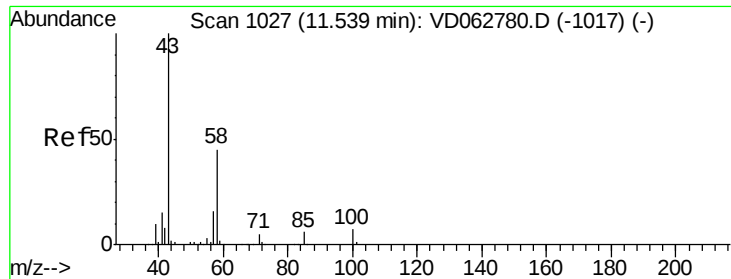
Tgt Ion: 63 Resp: 330406

Ion Ratio Lower Upper

63 100

106 26.5 22.1 33.1

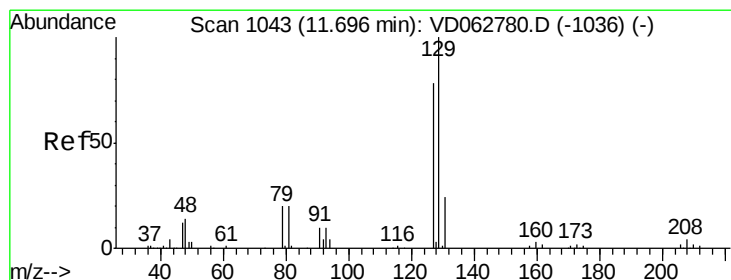
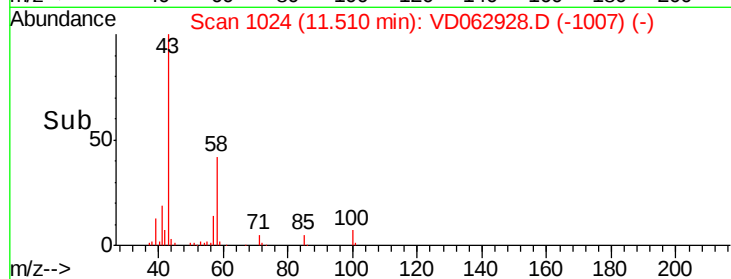
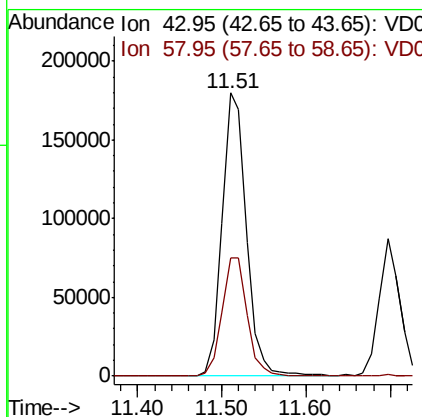
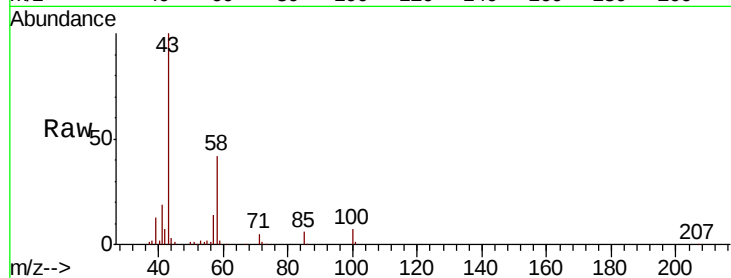




#59  
2-Hexanone  
Concen: 121.379 ug/l  
RT: 11.51 min Scan# 1024  
Delta R.T. -0.03 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

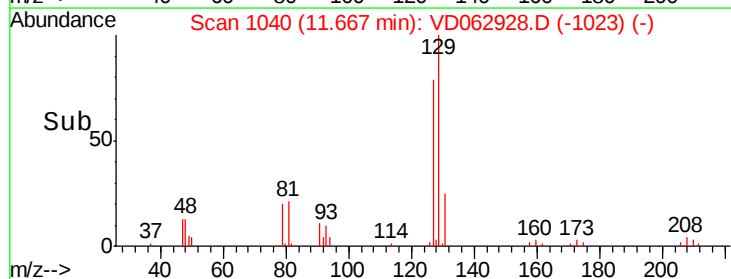
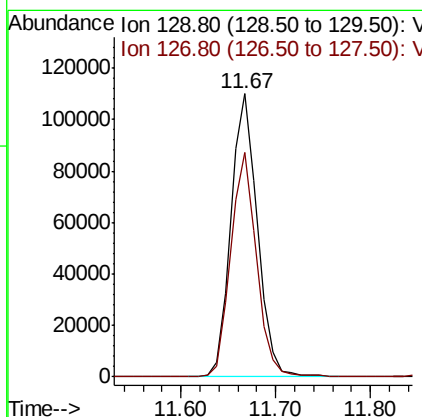
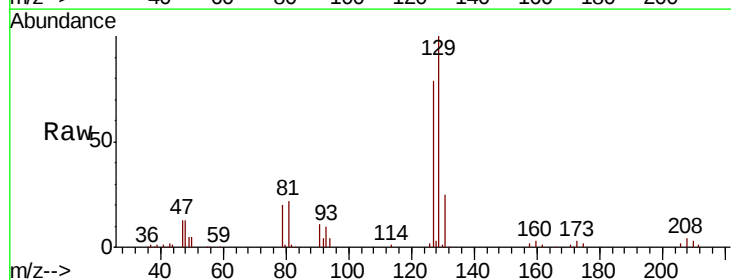
Instrument :  
MSVOA\_D  
ClientSampleId :

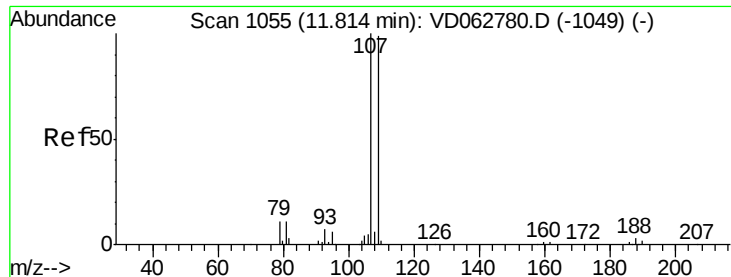
Tot Ion: 43 Resp: 359523  
Ion Ratio Lower Upper  
43 100  
58 41.8 22.4 67.2



#60  
Dibromochloromethane  
Concen: 21.986 ug/l  
RT: 11.67 min Scan# 1040  
Delta R.T. -0.03 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 129 Resp: 212415  
Ion Ratio Lower Upper  
129 100  
127 79.3 38.9 116.6

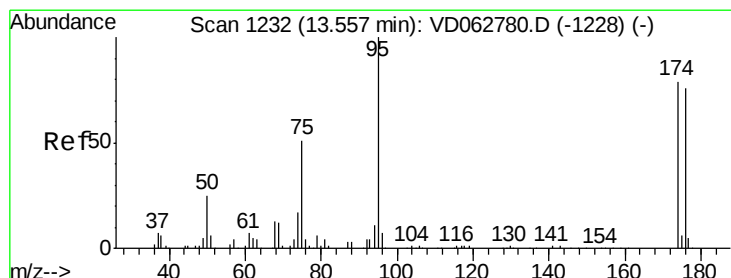
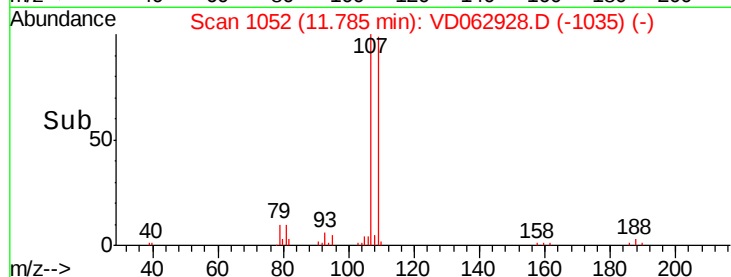
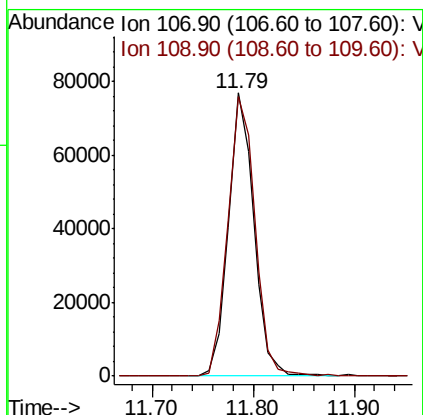
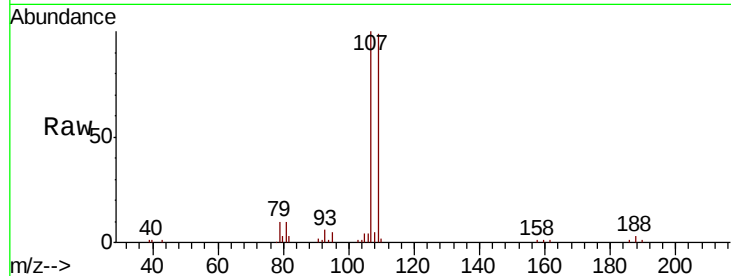




#61  
 1,2-Dibromoethane  
 Concen: 21.932 ug/l  
 RT: 11.79 min Scan# 1052  
 Delta R.T. -0.03 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

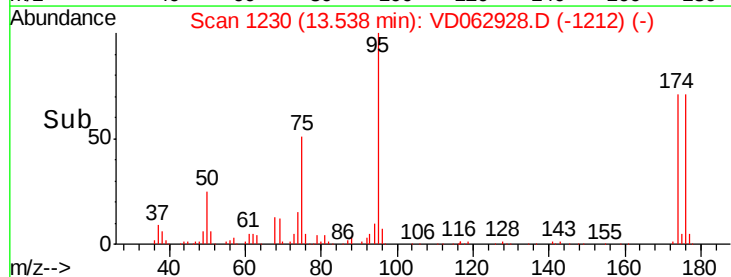
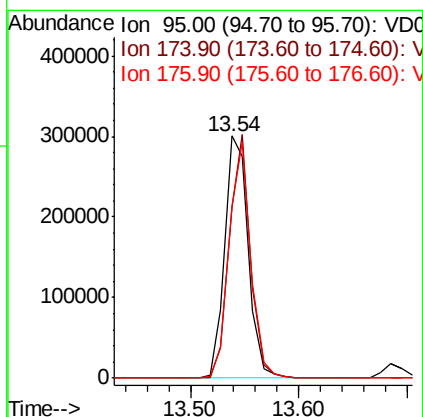
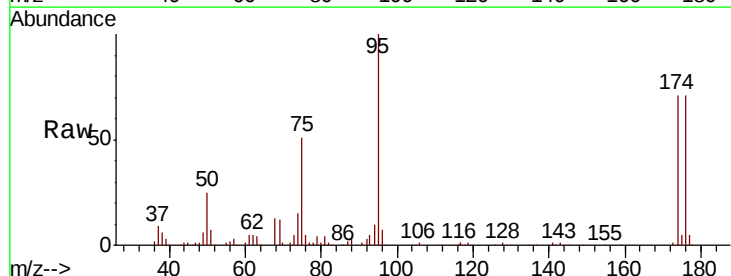
Instrument :  
 MSVOA\_D  
 ClientSampleId :

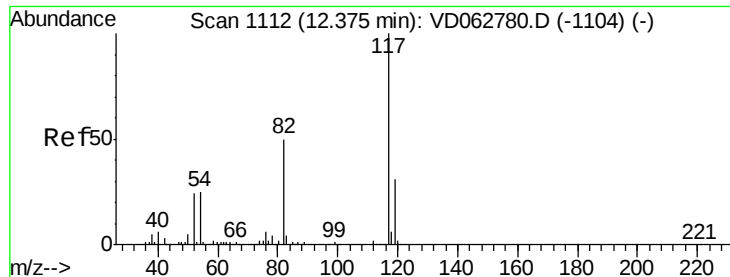
Tot Ion:107 Resp: 134356  
 Ion Ratio Lower Upper  
 107 100  
 109 98.9 79.3 118.9



#62  
 4-Bromofluorobenzene  
 Concen: 46.023 ug/l  
 RT: 13.54 min Scan# 1230  
 Delta R.T. -0.02 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Tgt Ion: 95 Resp: 453937  
 Ion Ratio Lower Upper  
 95 100  
 174 70.7 0.0 158.0  
 176 71.1 0.0 151.6

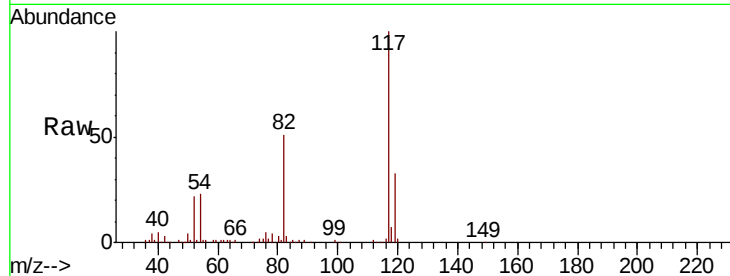




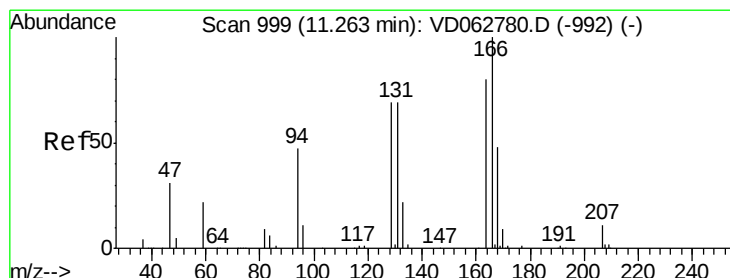
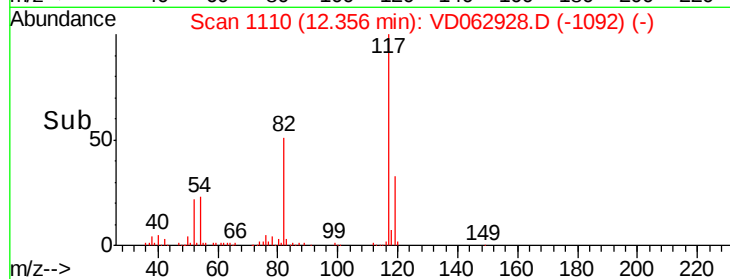
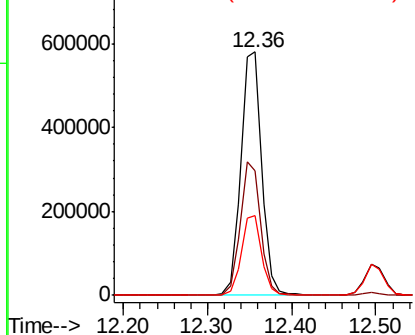
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1110  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:117 Resp: 1000099  
Ion Ratio Lower Upper  
117 100  
82 51.2 40.4 60.6  
119 33.0 25.2 37.8

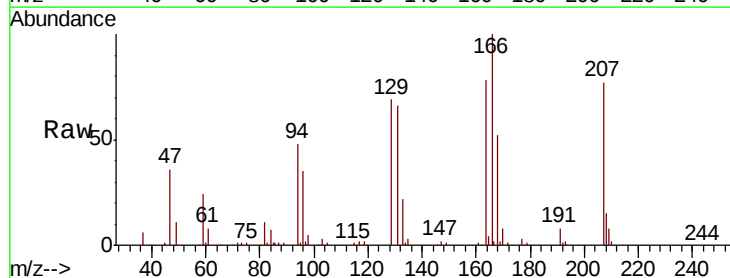


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

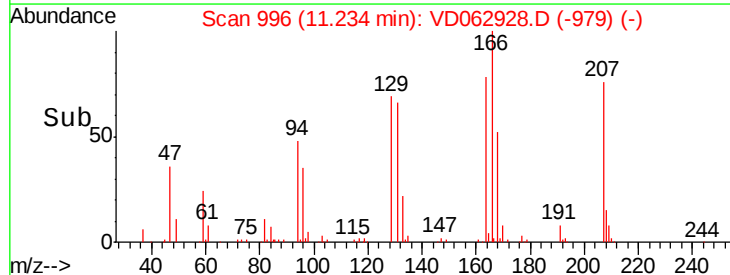
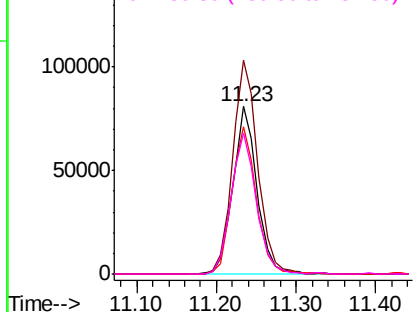


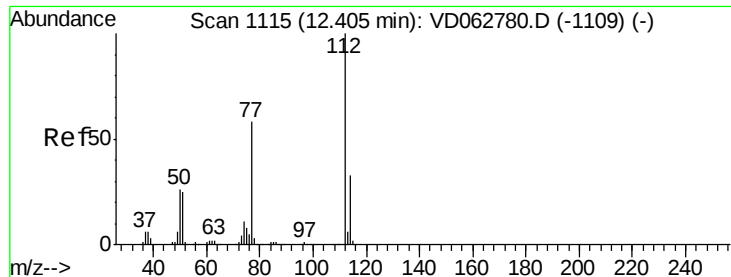
#64  
Tetrachloroethene  
Concen: 20.710 ug/l  
RT: 11.23 min Scan# 996  
Delta R.T. -0.03 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion:164 Resp: 170467  
Ion Ratio Lower Upper  
164 100  
166 127.7 100.6 150.8  
129 87.8 69.4 104.0  
131 84.3 69.3 103.9



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

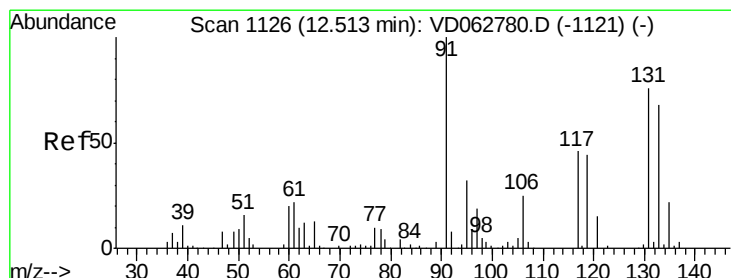
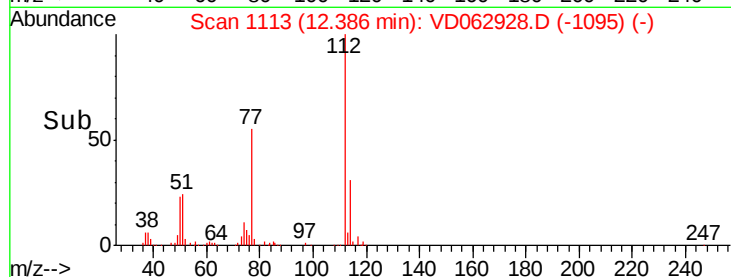
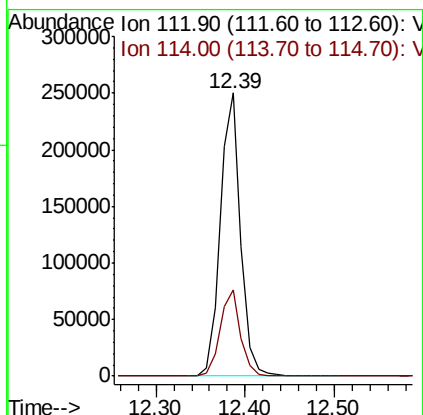
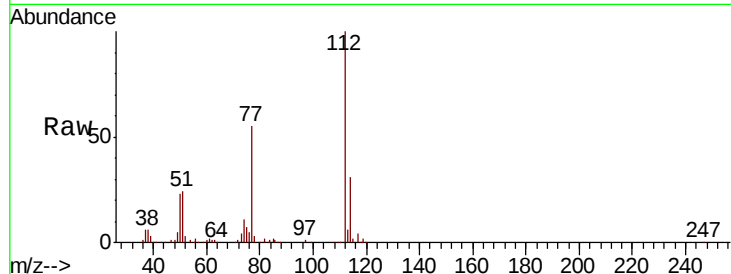




#65  
Chlorobenzene  
Concen: 21.466 ug/l  
RT: 12.39 min Scan# 1113  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

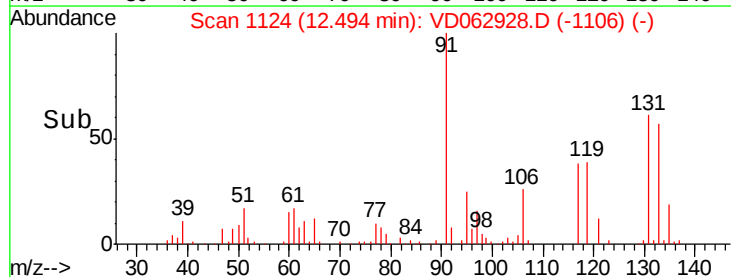
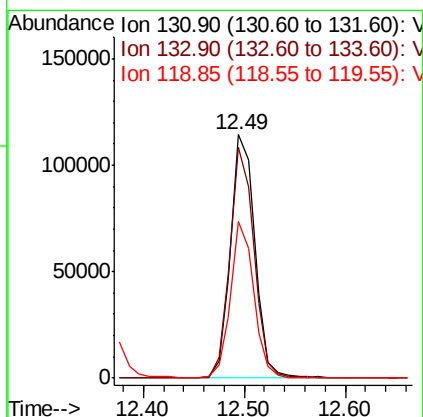
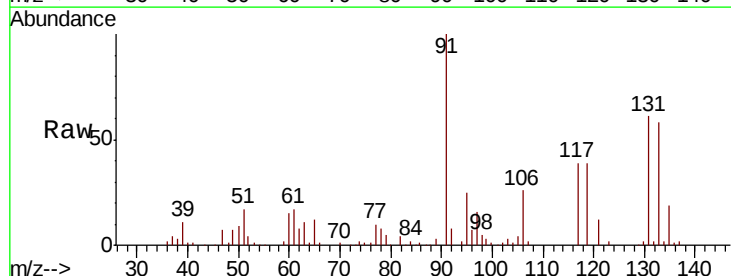
Instrument :  
MSVOA\_D  
ClientSampled :

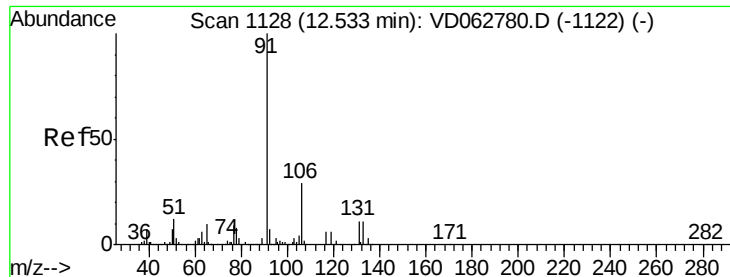
Tot Ion:112 Resp: 398434  
Ion Ratio Lower Upper  
112 100  
114 30.7 26.3 39.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.031 ug/l  
RT: 12.49 min Scan# 1124  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion:131 Resp: 191227  
Ion Ratio Lower Upper  
131 100  
133 94.8 44.5 133.3  
119 64.2 28.6 85.9





#67

Ethyl Benzene

Concen: 21.330 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.03 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

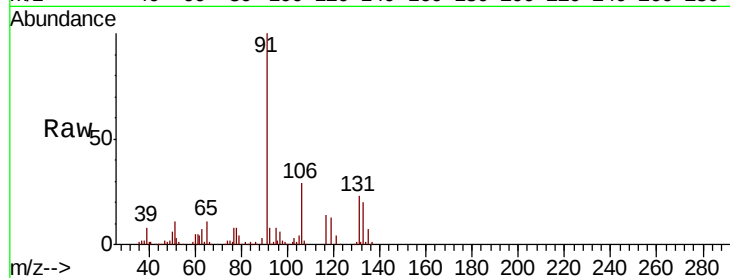
ClientSampled :

Tot Ion: 91 Resp: 710809

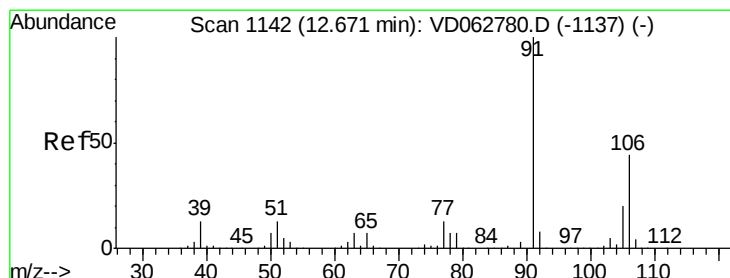
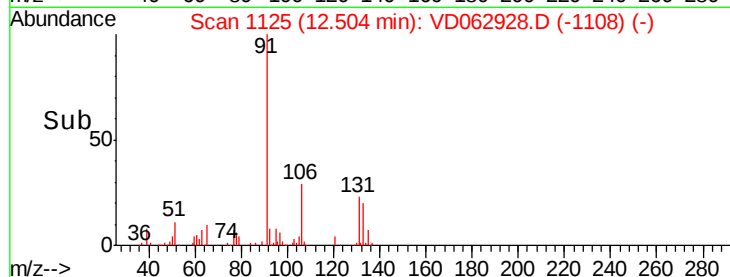
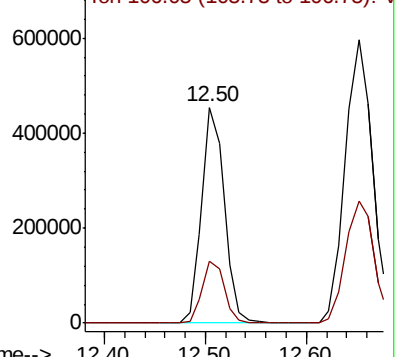
Ion Ratio Lower Upper

91 100

106 28.7 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VD062780.D (-1122) (-)



#68

m/p-Xylenes

Concen: 43.777 ug/l

RT: 12.65 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VD062928.D

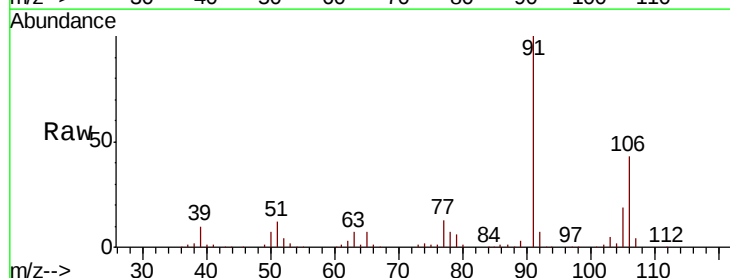
Acq: 27 Jun 2019 13:42

Tgt Ion: 106 Resp: 508093

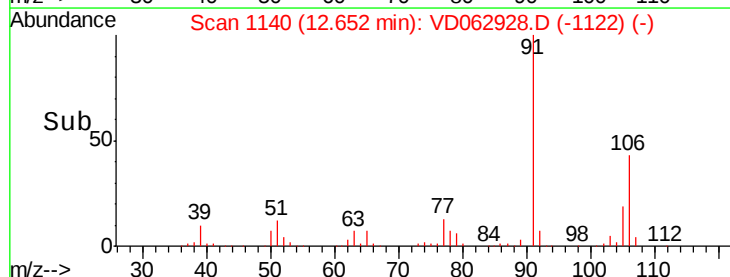
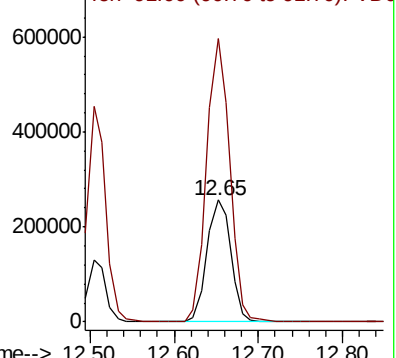
Ion Ratio Lower Upper

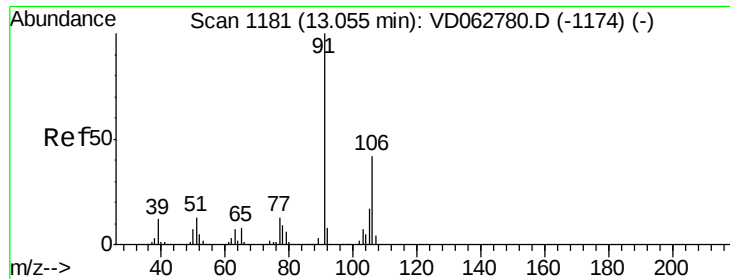
106 100

91 232.5 183.0 274.6



Abundance Ion 106.05 (105.75 to 106.75): VD062780.D (-1122) (-)

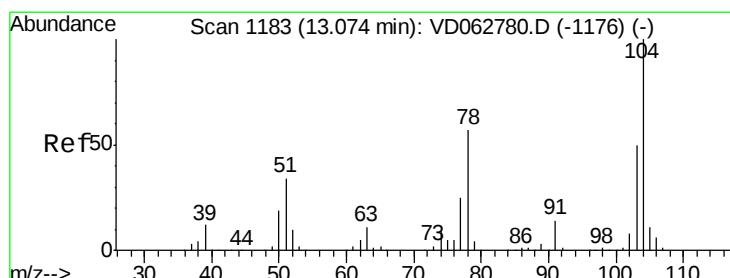
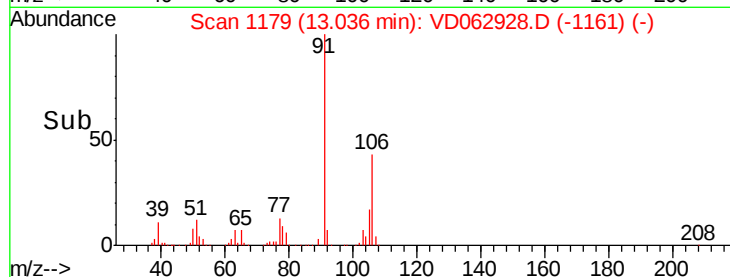
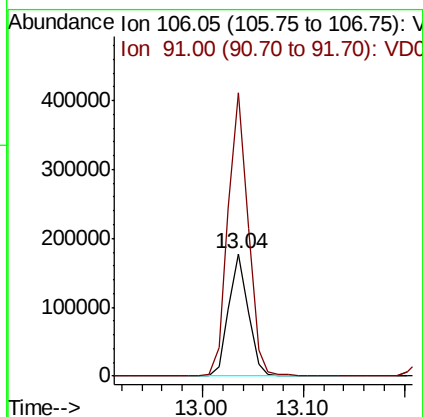
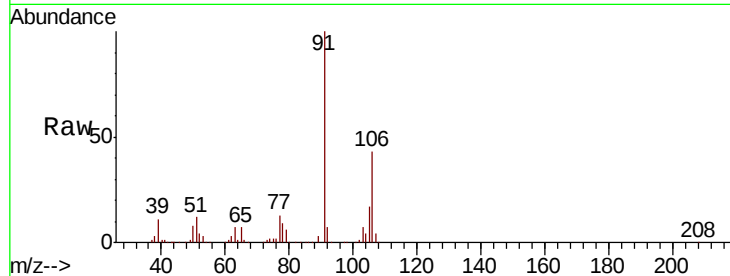




#69  
o-Xylene  
Concen: 22.652 ug/l  
RT: 13.04 min Scan# 1179  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

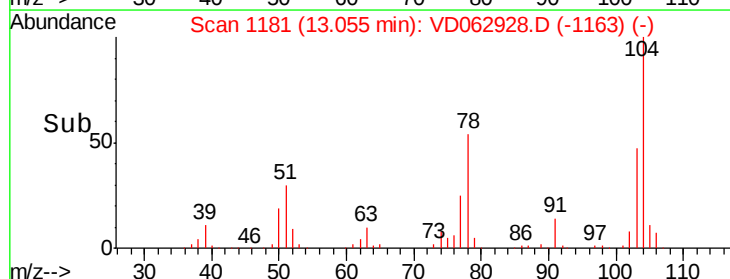
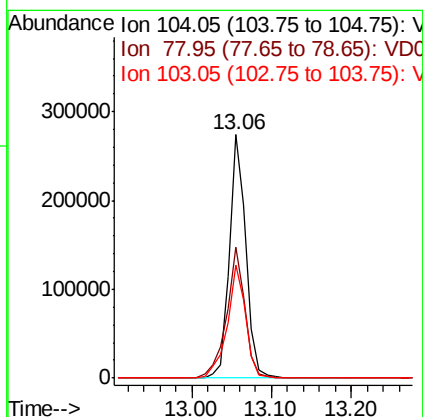
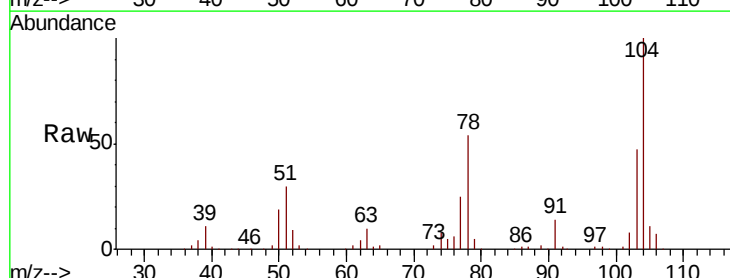
Instrument :  
MSVOA\_D  
ClientSampled :

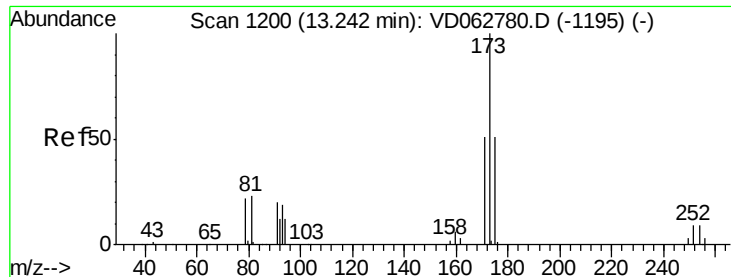
Tot Ion:106 Resp: 240342  
Ion Ratio Lower Upper  
106 100  
91 230.7 117.9 353.6



#70  
Styrene  
Concen: 21.425 ug/l  
RT: 13.06 min Scan# 1181  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion:104 Resp: 399283  
Ion Ratio Lower Upper  
104 100  
78 54.0 45.4 68.2  
103 46.6 39.7 59.5





#71

Bromoform

Concen: 22.586 ug/l

RT: 13.22 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampled :

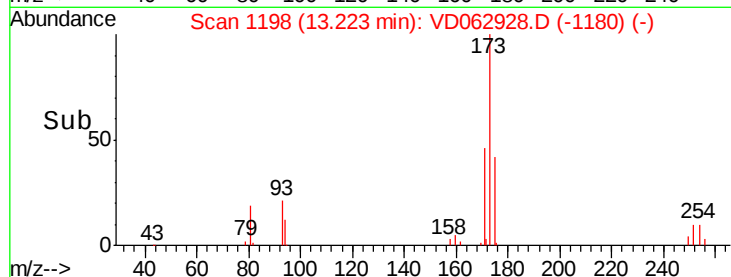
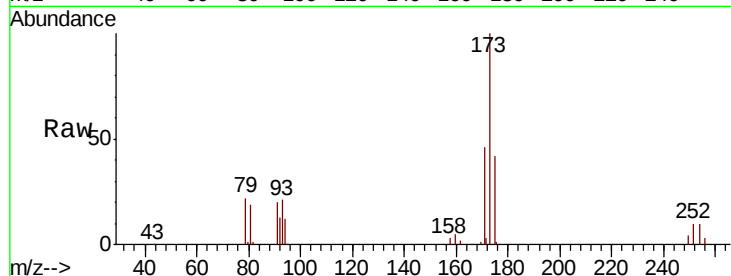
Tot Ion:173 Resp: 134321

Ion Ratio Lower Upper

173 100

175 42.0 25.3 75.9

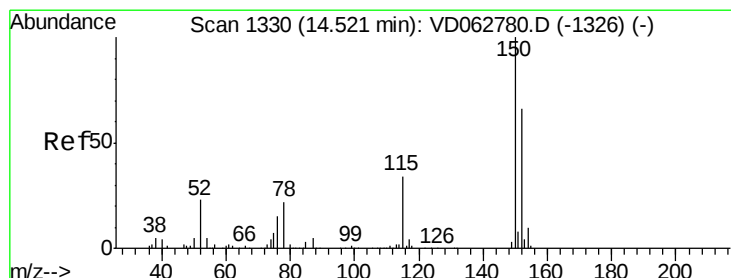
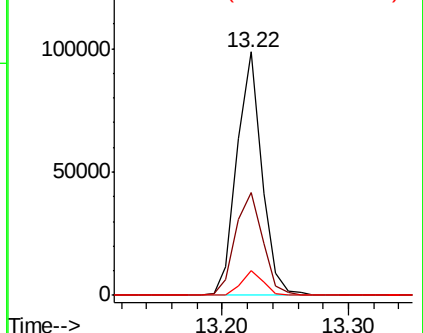
254 10.2 7.1 10.7



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: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

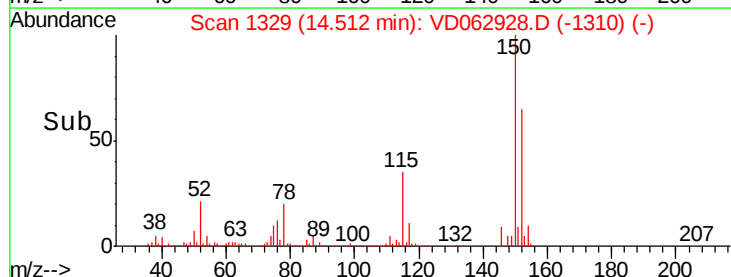
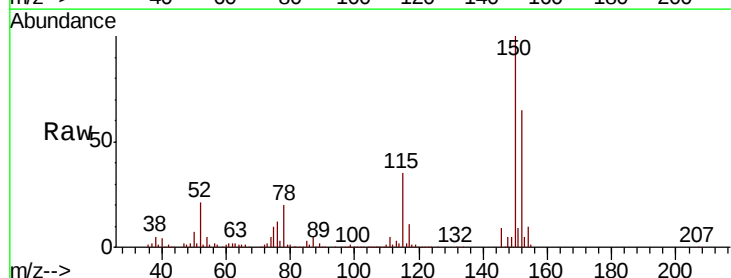
Tgt Ion:152 Resp: 542543

Ion Ratio Lower Upper

152 100

115 54.8 29.2 87.6

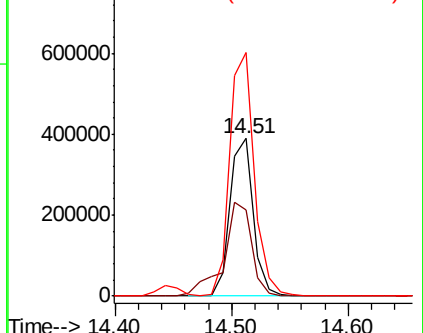
150 154.4 0.0 305.8

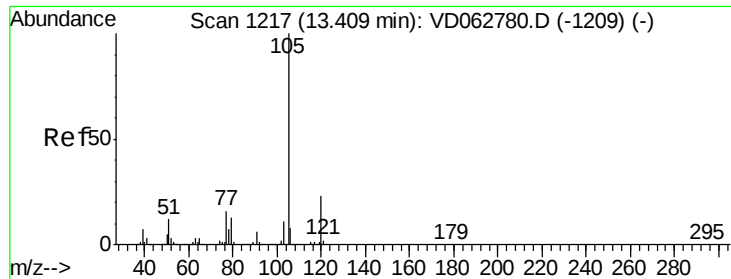


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.548 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

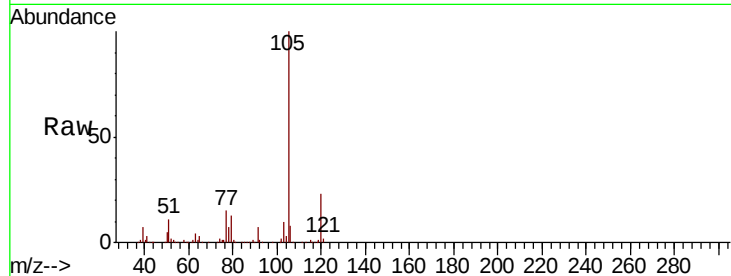
ClientSampleId :

Tot Ion:105 Resp: 714813

Ion Ratio Lower Upper

105 100

120 23.1 11.6 34.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

600000

500000

400000

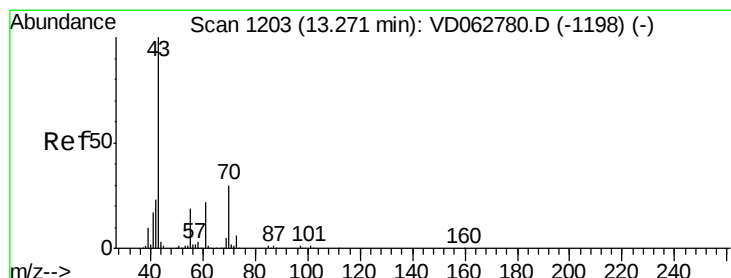
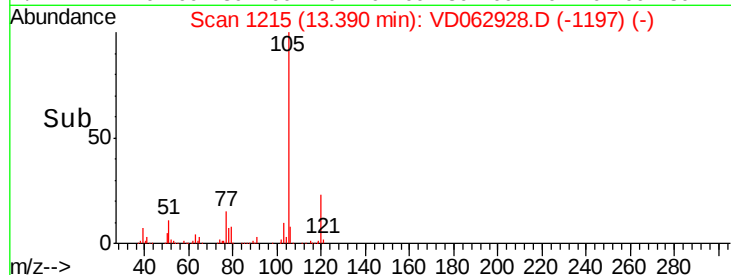
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 23.130 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Tgt Ion: 43 Resp: 195396

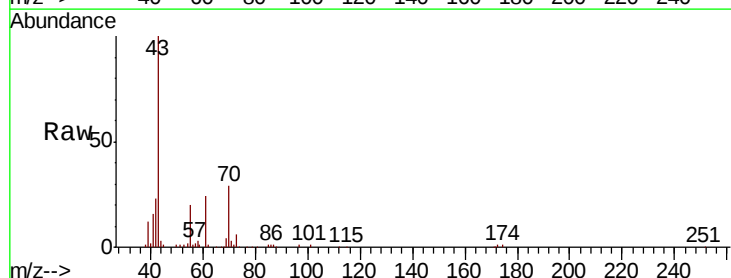
Ion Ratio Lower Upper

43 100

70 28.8 24.4 36.6

55 20.5 15.2 22.8

61 23.8 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

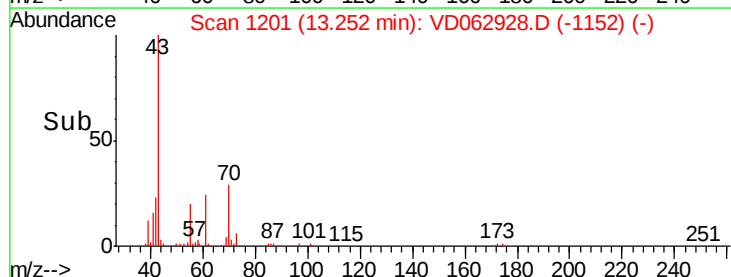
150000

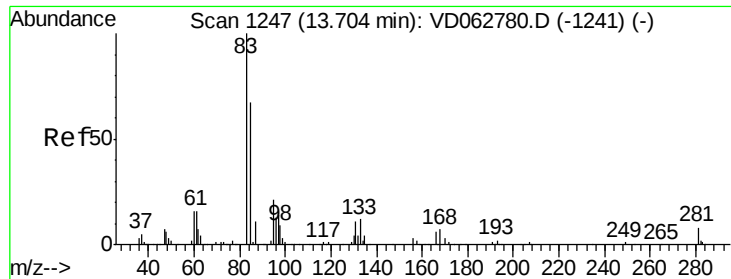
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 22.563 ug/l

RT: 13.69 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

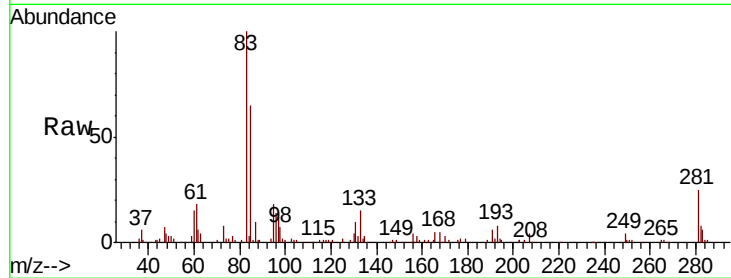
Tot Ion: 83 Resp: 127887

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 10.1  | 5.3   | 16.1  |
| 85  | 64.8  | 33.7  | 101.1 |

83 100

131 10.1 5.3 16.1

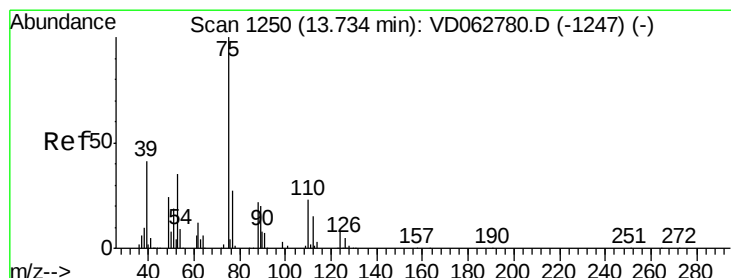
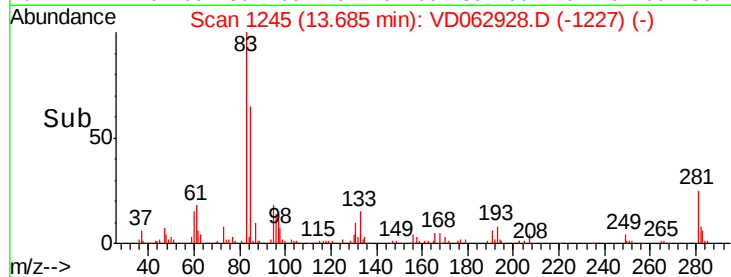
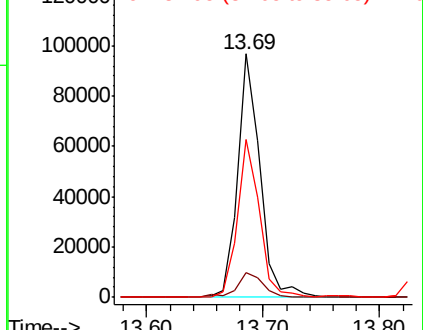
85 64.8 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 23.423 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD062928.D

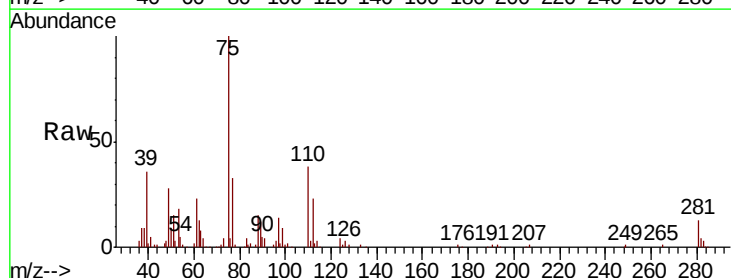
Acq: 27 Jun 2019 13:42

Tgt Ion: 75 Resp: 146706

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 33.0  | 15.0  | 45.1  |

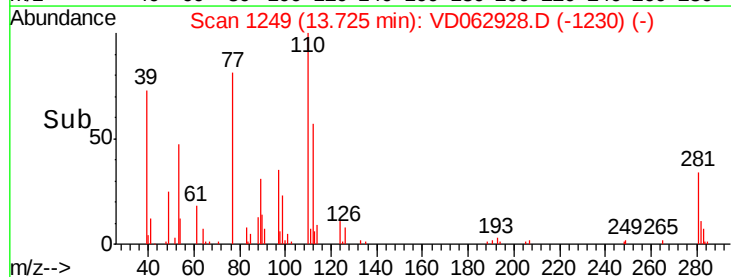
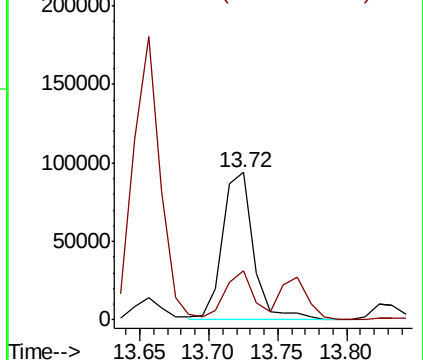
75 100

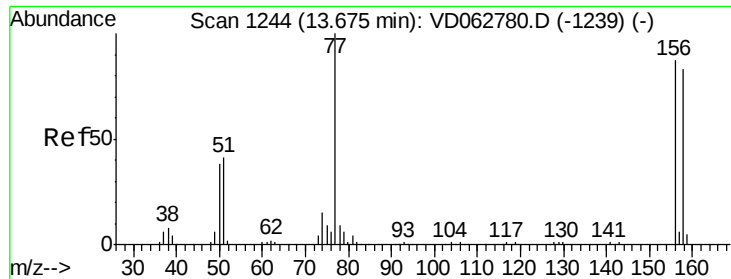
77 33.0 15.0 45.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

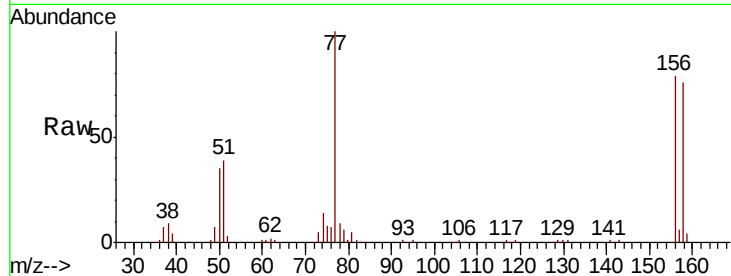




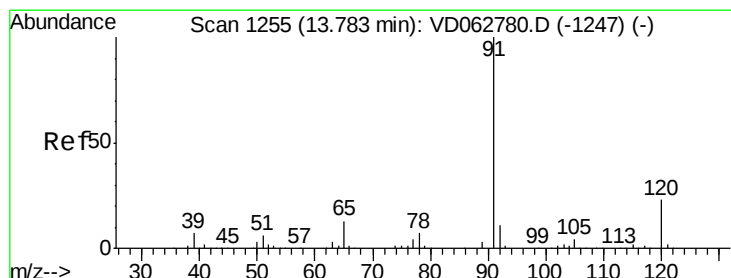
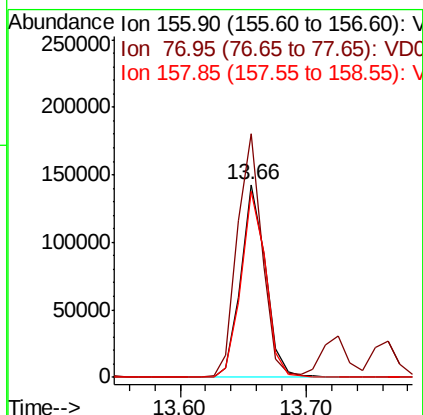
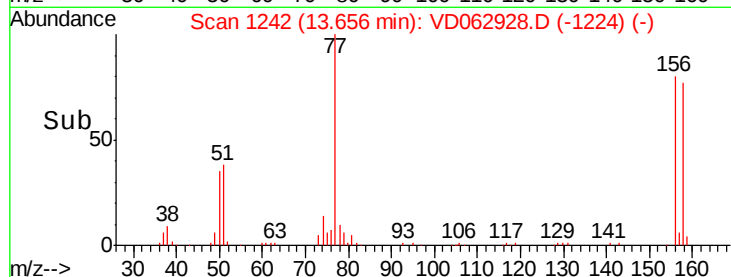
#77  
Bromobenzene  
Concen: 20.739 ug/l  
RT: 13.66 min Scan# 1242  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:156 Resp: 194051  
Ion Ratio Lower Upper  
156 100  
77 126.2 57.7 173.1  
158 96.3 47.7 143.1

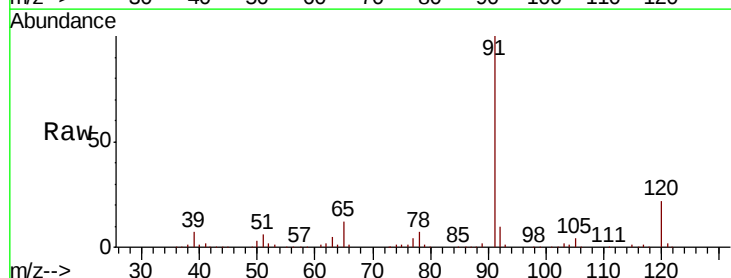


Abundance Ion 155.90 (155.60 to 156.60): V  
Ion 76.95 (76.65 to 77.65): V  
Ion 157.85 (157.55 to 158.55): V

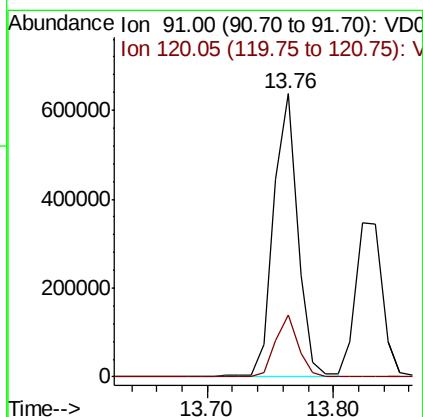
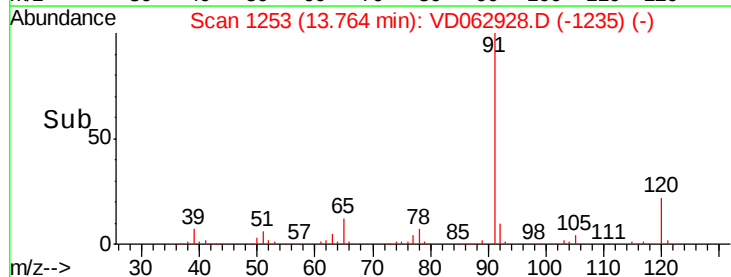


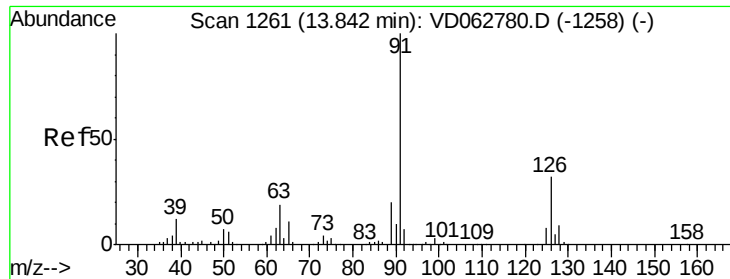
#78  
n-propylbenzene  
Concen: 21.071 ug/l  
RT: 13.76 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 91 Resp: 853134  
Ion Ratio Lower Upper  
91 100  
120 21.9 11.3 33.8



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

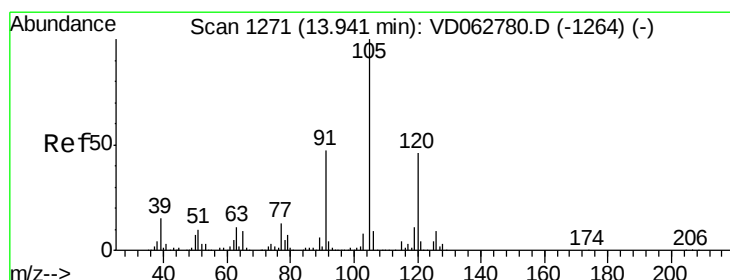
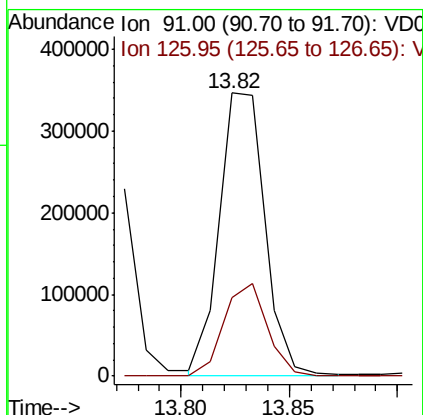
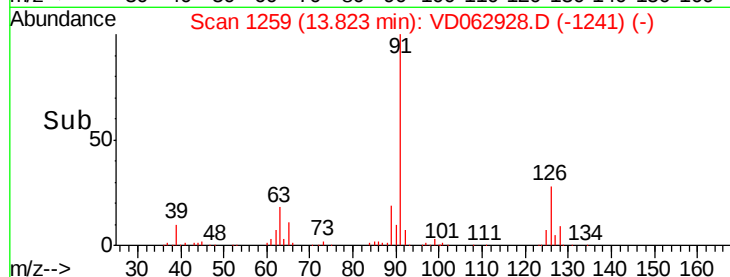
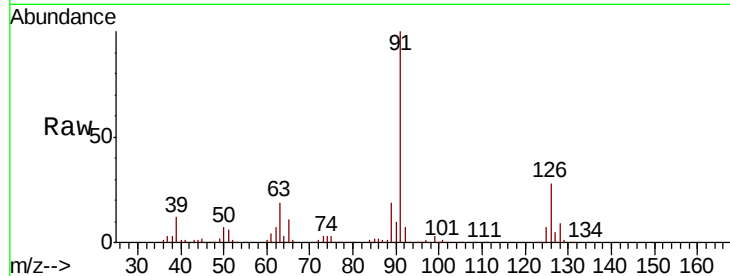




#79  
2-Chlorotoluene  
Concen: 22.050 ug/l  
RT: 13.82 min Scan# 1259  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

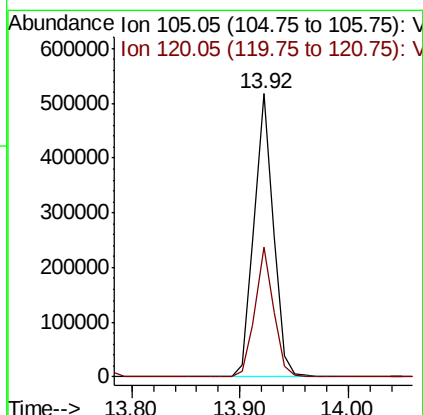
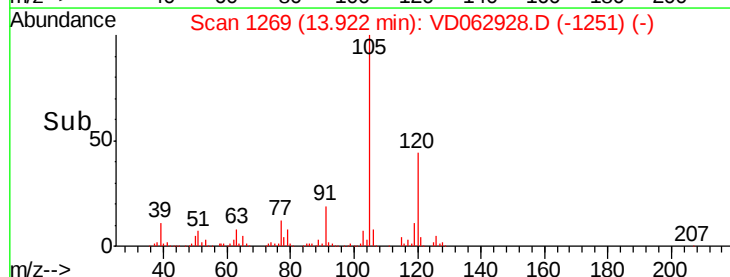
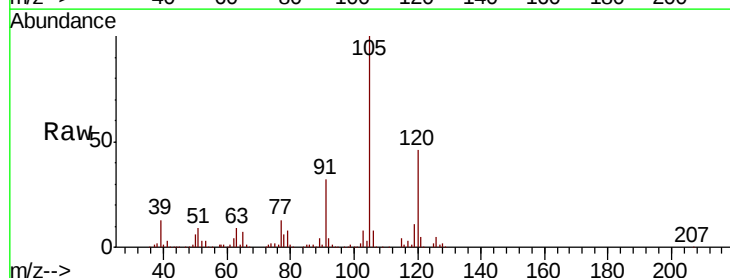
Instrument :  
MSVOA\_D  
ClientSampleId :

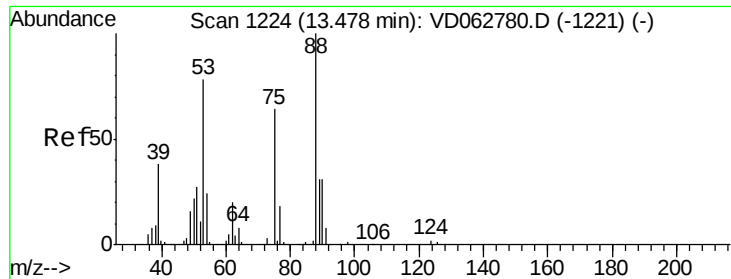
Tot Ion: 91 Resp: 510210  
Ion Ratio Lower Upper  
91 100  
126 27.8 15.7 47.1



#80  
1,3,5-Trimethylbenzene  
Concen: 22.123 ug/l  
RT: 13.92 min Scan# 1269  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 105 Resp: 646439  
Ion Ratio Lower Upper  
105 100  
120 46.0 23.1 69.2





#81

trans-1,4-Dichloro-2-butene

Concen: 24.454 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampled :

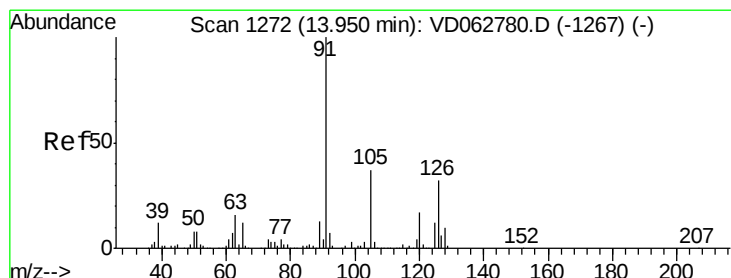
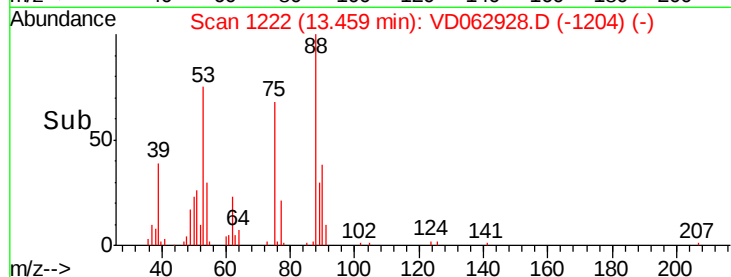
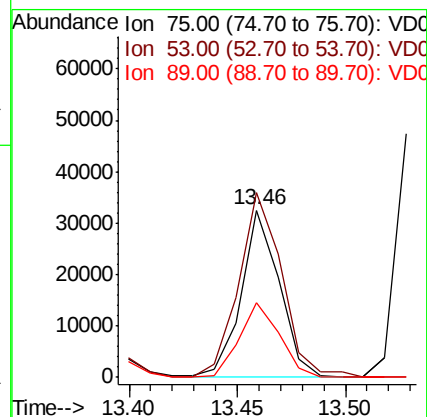
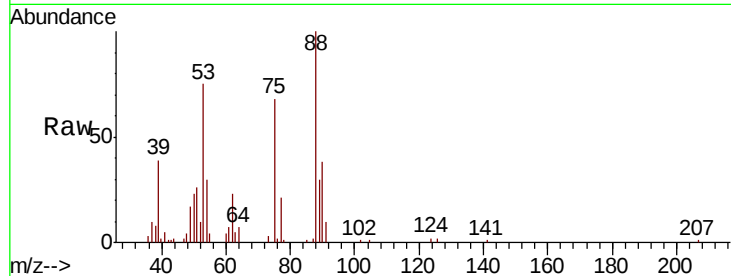
Tot Ion: 75 Resp: 40141

Ion Ratio Lower Upper

75 100

53 110.7 97.8 146.8

89 44.4 39.4 59.2



#82

4-Chlorotoluene

Concen: 22.750 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD062928.D

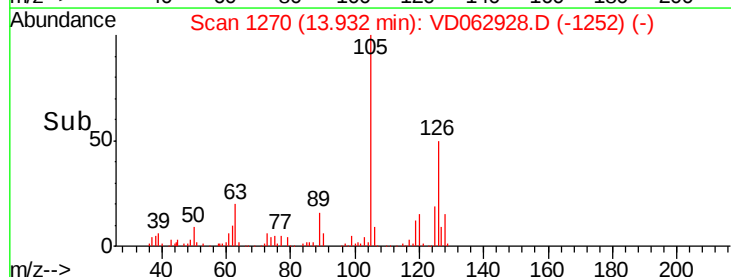
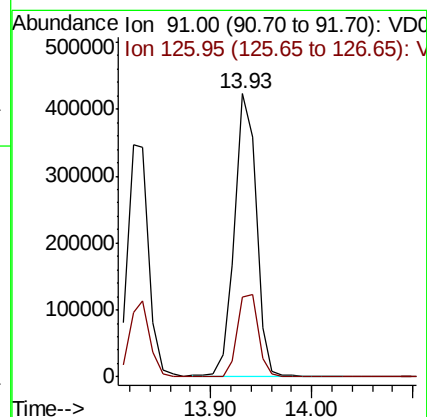
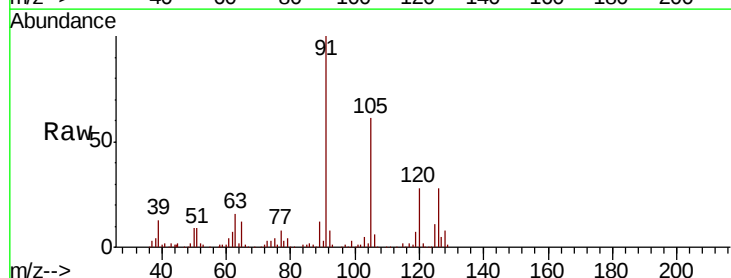
Acq: 27 Jun 2019 13:42

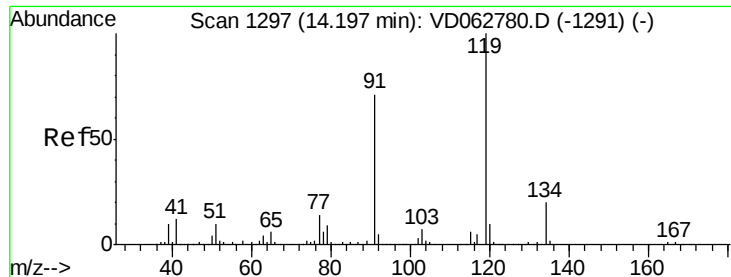
Tgt Ion: 91 Resp: 633750

Ion Ratio Lower Upper

91 100

126 28.1 16.0 47.9





#83

tert-Butylbenzene

Concen: 20.658 ug/l

RT: 14.18 min Scan# 1295

Delta R.T. -0.02 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampled :

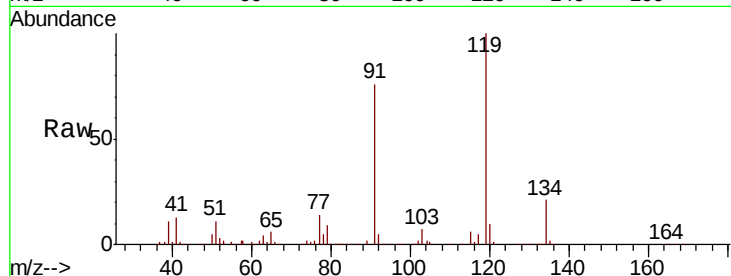
Tot Ion:119 Resp: 672813

Ion Ratio Lower Upper

119 100

91 75.9 35.5 106.5

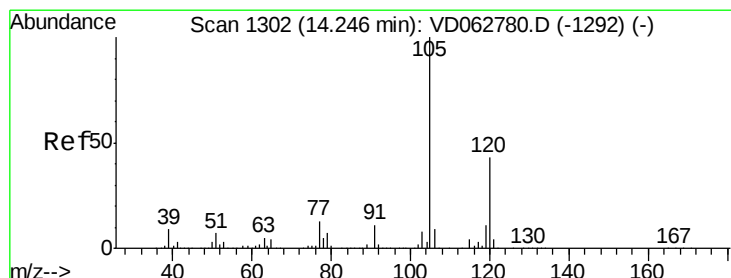
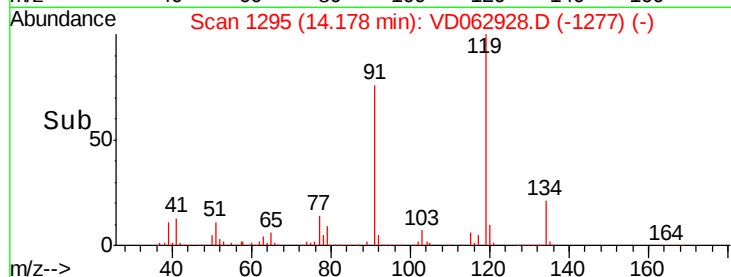
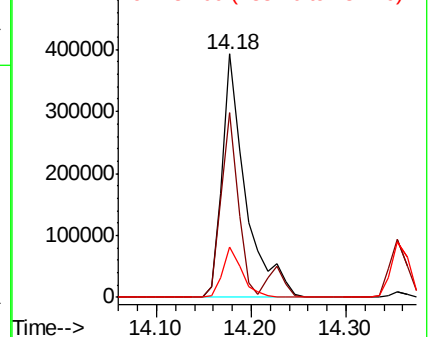
134 20.6 10.2 30.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.472 ug/l

RT: 14.23 min Scan# 1300

Delta R.T. -0.02 min

Lab File: VD062928.D

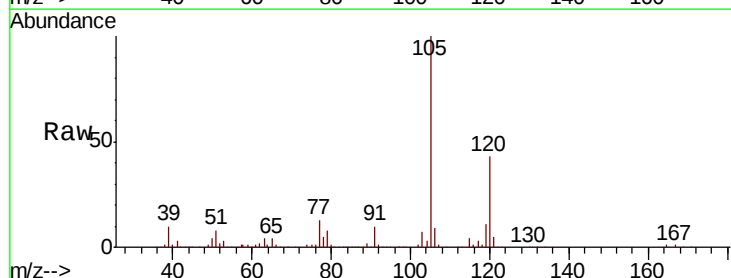
Acq: 27 Jun 2019 13:42

Tgt Ion:105 Resp: 643072

Ion Ratio Lower Upper

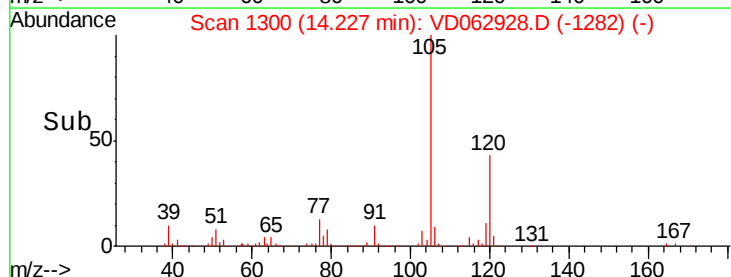
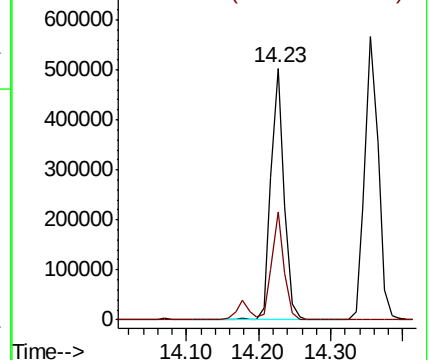
105 100

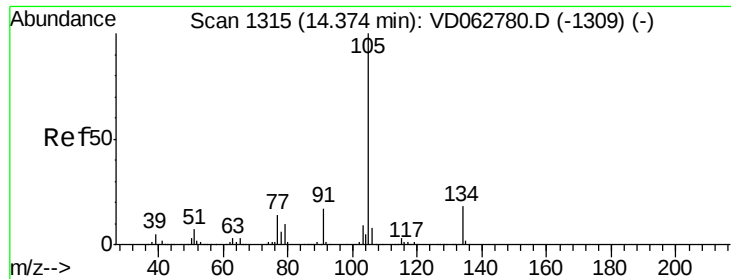
120 42.8 21.3 63.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

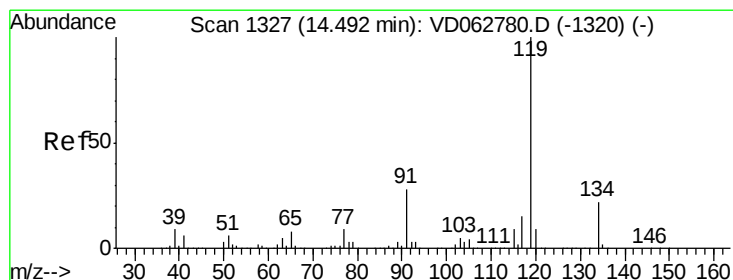
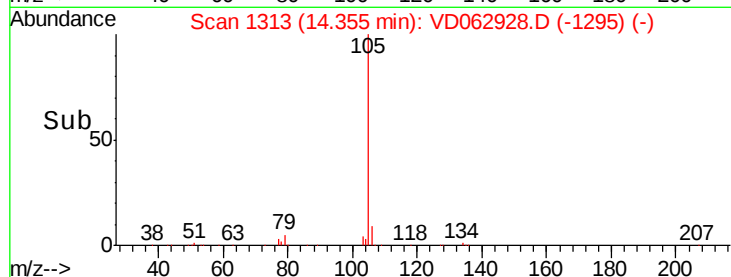
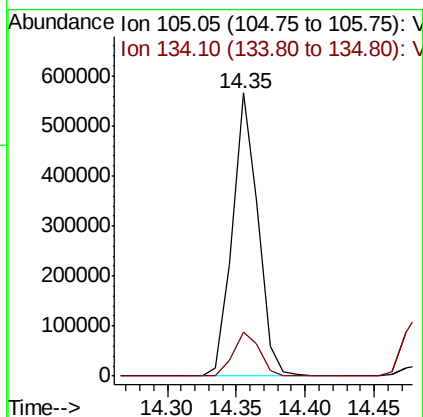
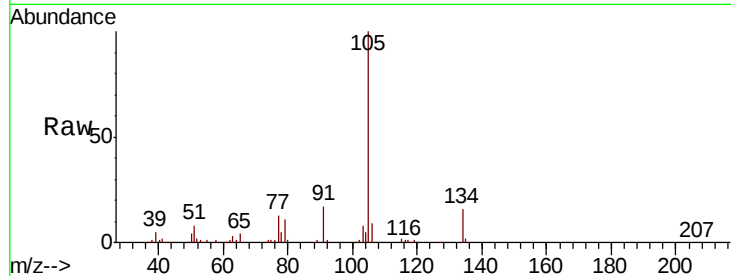




#85  
 sec-Butylbenzene  
 Concen: 20.564 ug/l  
 RT: 14.35 min Scan# 1313  
 Delta R.T. -0.02 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

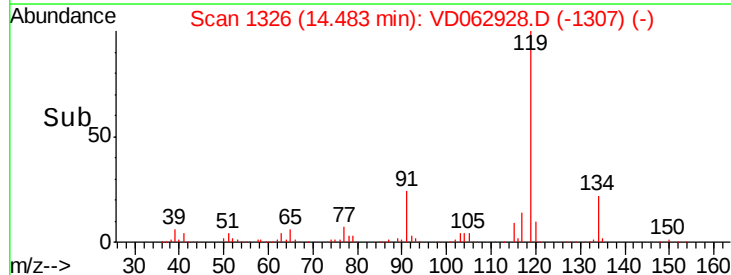
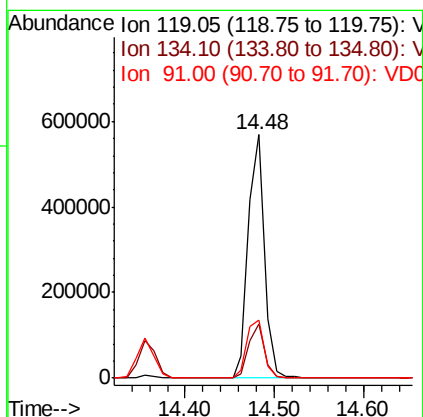
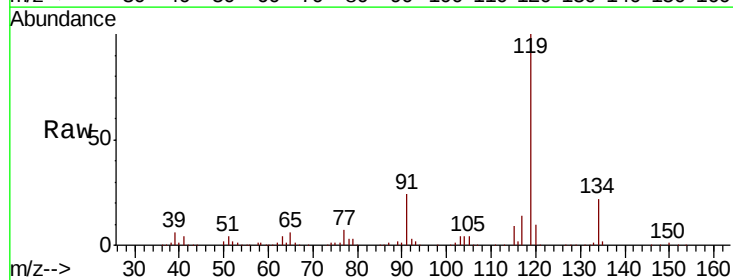
Instrument :  
 MSVOA\_D  
 ClientSampleId :

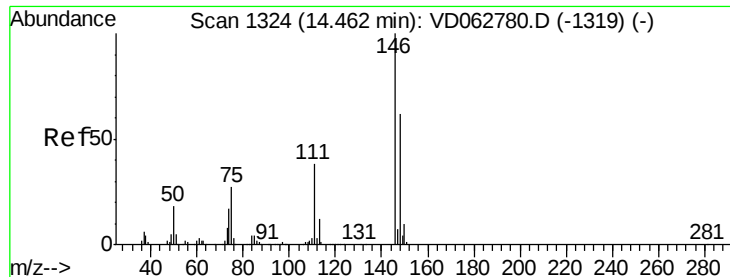
Tot Ion:105 Resp: 727942  
 Ion Ratio Lower Upper  
 105 100  
 134 15.7 9.1 27.3



#86  
 p-Isopropyltoluene  
 Concen: 22.072 ug/l  
 RT: 14.48 min Scan# 1326  
 Delta R.T. -0.01 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Tgt Ion:119 Resp: 714792  
 Ion Ratio Lower Upper  
 119 100  
 134 22.3 11.1 33.1  
 91 23.7 14.0 41.9

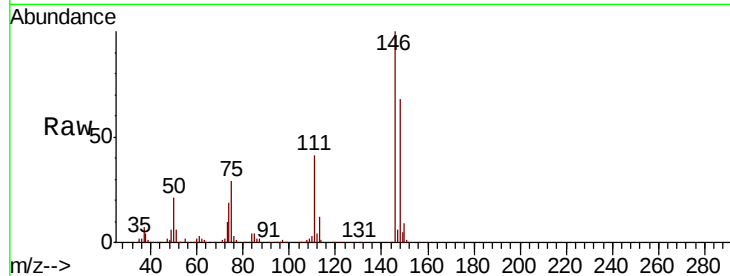




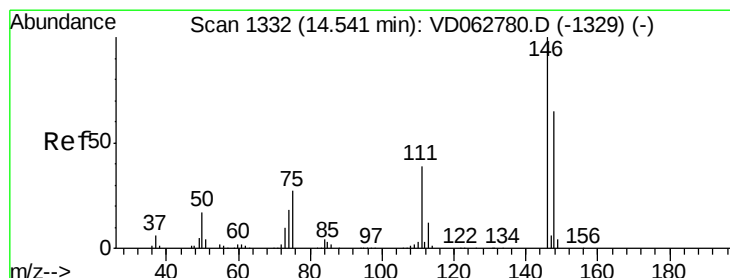
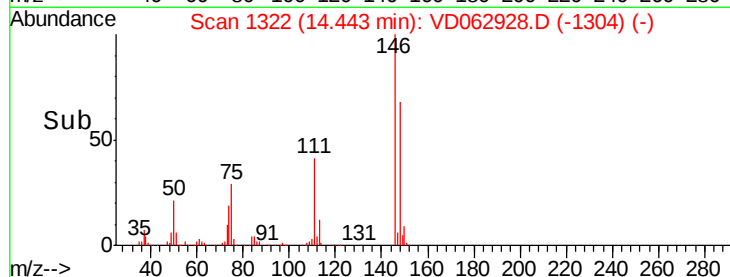
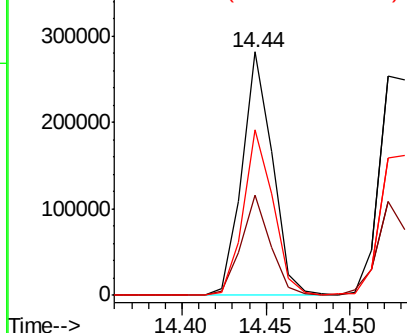
#87  
 1,3-Dichlorobenzene  
 Concen: 21.005 ug/l  
 RT: 14.44 min Scan# 1322  
 Delta R.T. -0.02 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:146 Resp: 352301  
 Ion Ratio Lower Upper  
 146 100  
 111 41.3 19.0 57.0  
 148 68.2 30.8 92.3

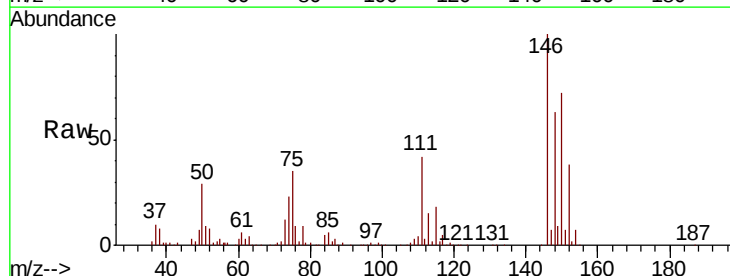


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

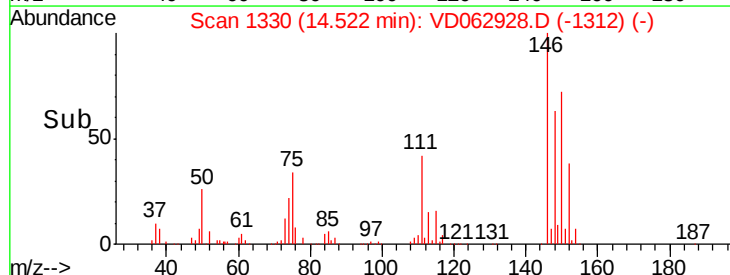
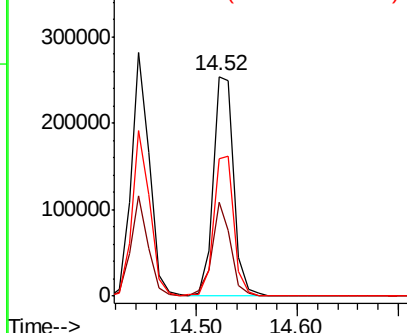


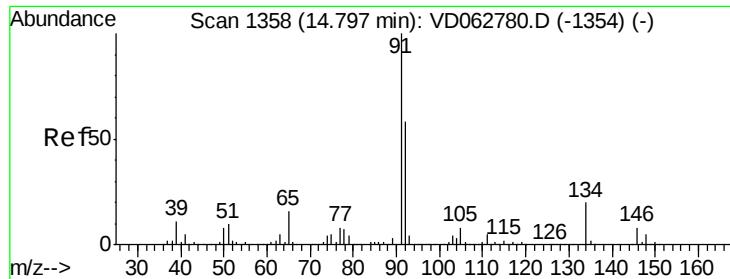
#88  
 1,4-Dichlorobenzene  
 Concen: 21.717 ug/l  
 RT: 14.52 min Scan# 1330  
 Delta R.T. -0.02 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Tgt Ion:146 Resp: 365852  
 Ion Ratio Lower Upper  
 146 100  
 111 42.5 19.7 59.1  
 148 62.5 32.8 98.3



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

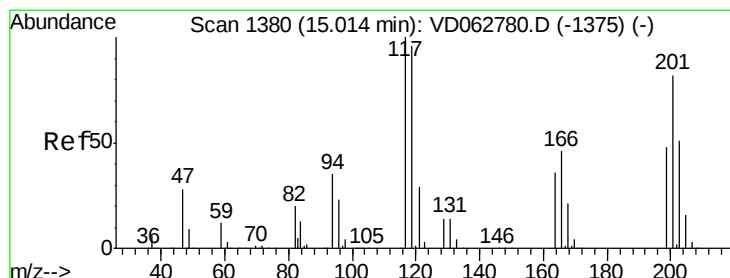
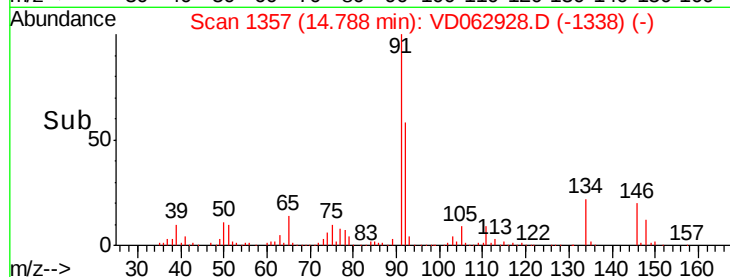
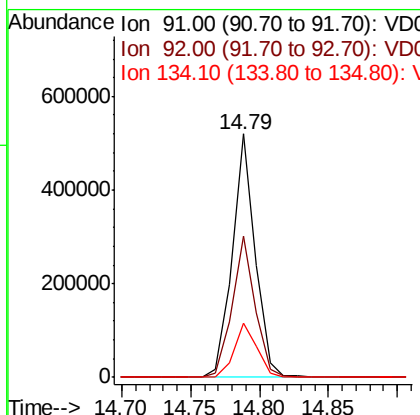
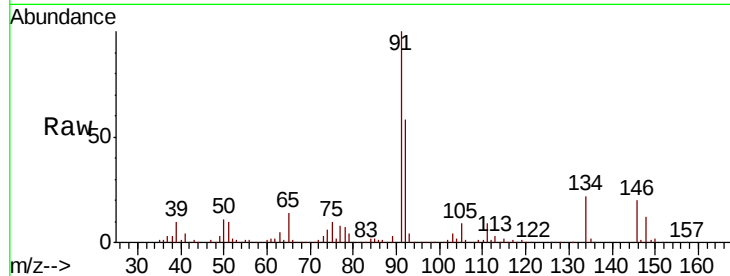




#89  
n-Butylbenzene  
Concen: 19.741 ug/l  
RT: 14.79 min Scan# 1357  
Delta R.T. -0.01 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

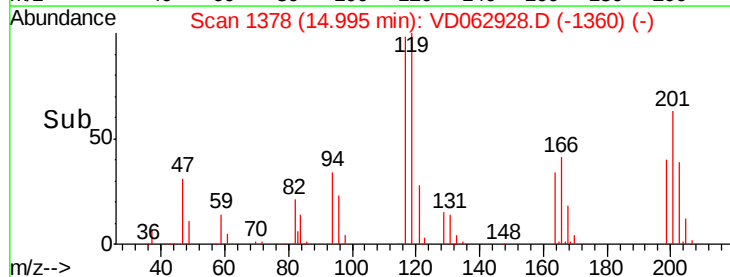
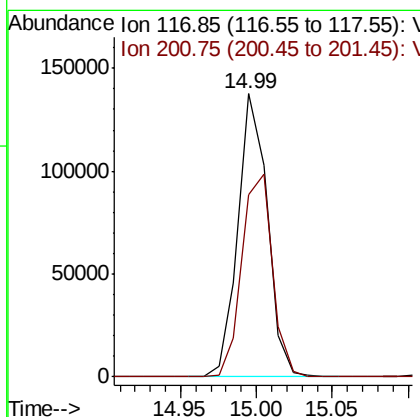
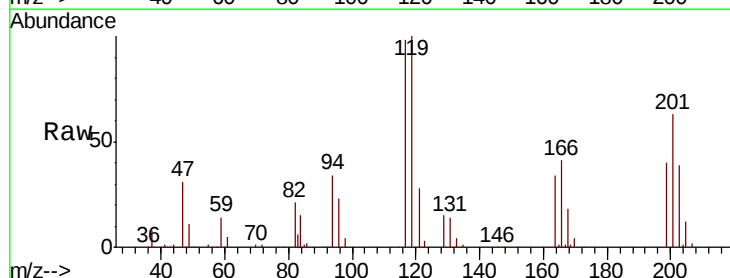
Instrument :  
MSVOA\_D  
ClientSampled :

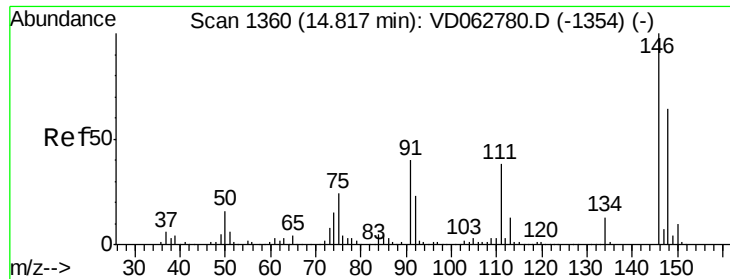
Tot Ion: 91 Resp: 598356  
Ion Ratio Lower Upper  
91 100  
92 57.8 28.9 86.7  
134 22.5 10.1 30.3



#90  
Hexachloroethane  
Concen: 21.317 ug/l  
RT: 14.99 min Scan# 1378  
Delta R.T. -0.02 min  
Lab File: VD062928.D  
Acq: 27 Jun 2019 13:42

Tgt Ion: 117 Resp: 185612  
Ion Ratio Lower Upper  
117 100  
201 64.2 40.8 122.2

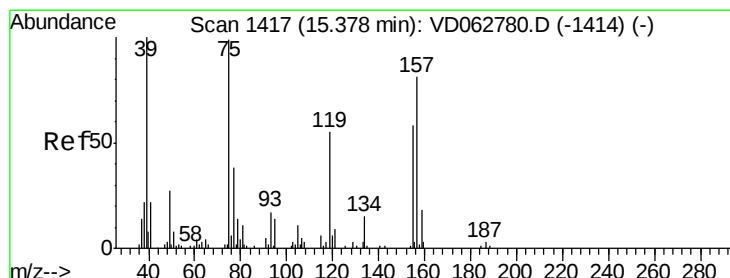
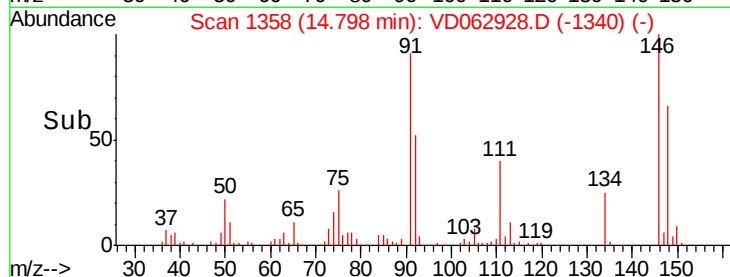
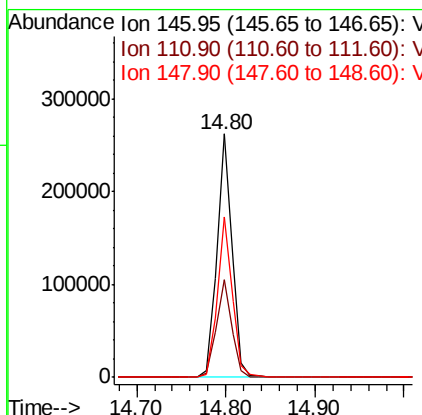
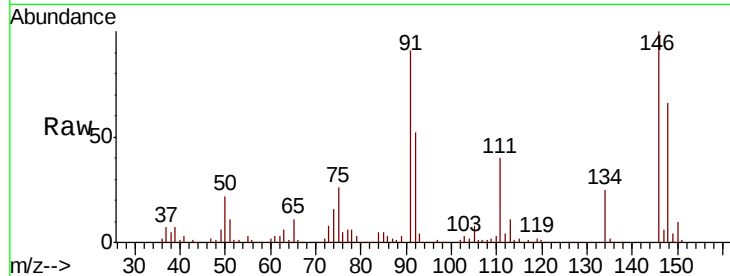




#91  
 1,2-Dichlorobenzene  
 Concen: 21.540 ug/l  
 RT: 14.80 min Scan# 1358  
 Delta R.T. -0.02 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

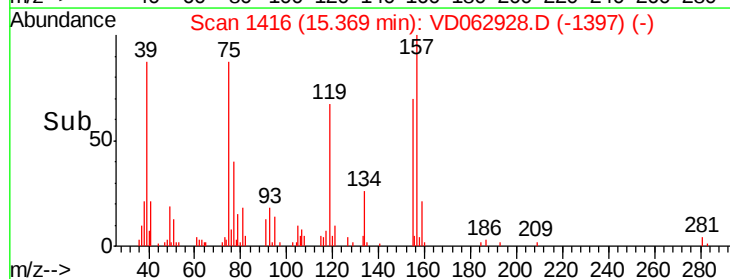
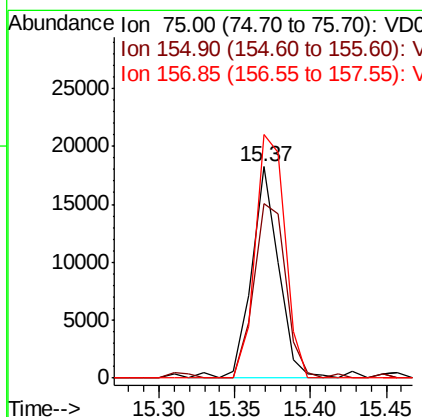
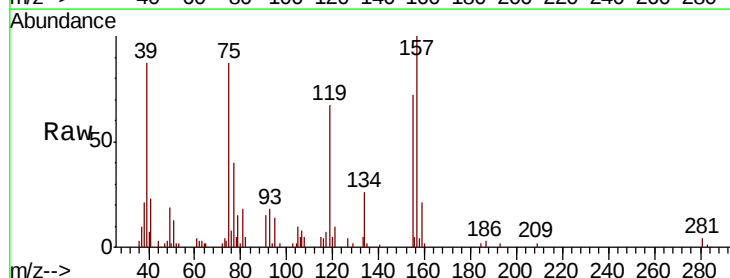
Instrument :  
 MSVOA\_D  
 ClientSampleId :

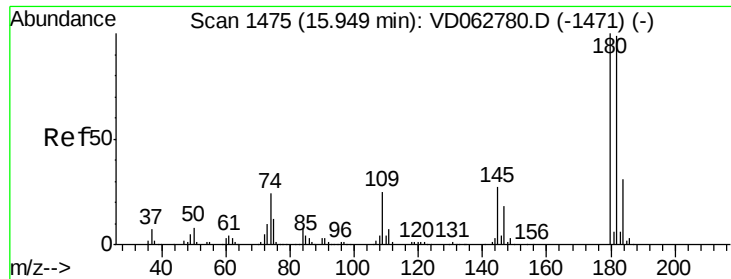
Tot Ion:146 Resp: 309096  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 19.1 57.1  
 148 65.6 32.3 96.8



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.603 ug/l  
 RT: 15.37 min Scan# 1416  
 Delta R.T. -0.01 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Tgt Ion: 75 Resp: 22792  
 Ion Ratio Lower Upper  
 75 100  
 155 82.9 29.3 87.8  
 157 115.4 41.3 123.7

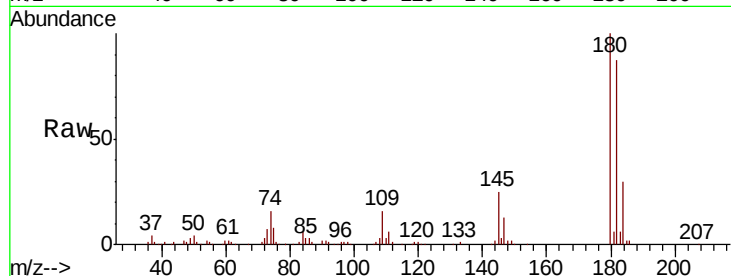




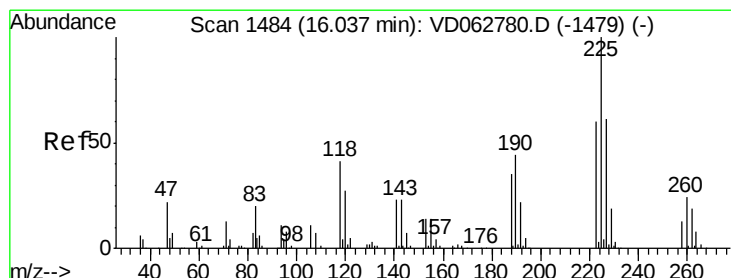
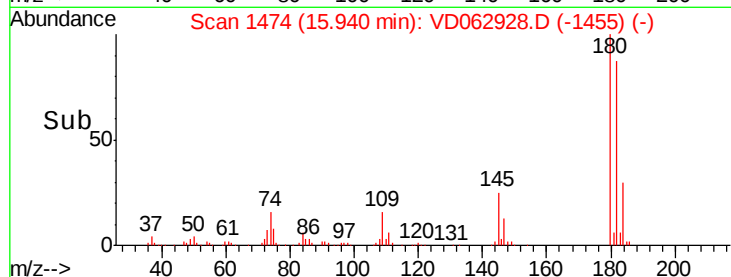
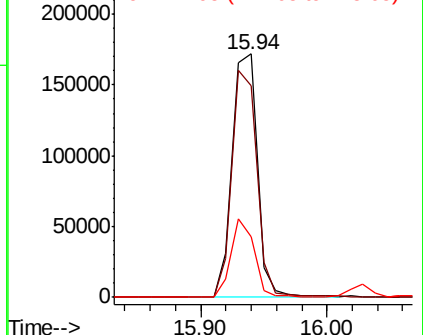
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.128 ug/l  
 RT: 15.94 min Scan# 1474  
 Delta R.T. -0.01 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:180 Resp: 236843  
 Ion Ratio Lower Upper  
 180 100  
 182 87.1 49.5 148.5  
 145 24.9 13.7 41.0

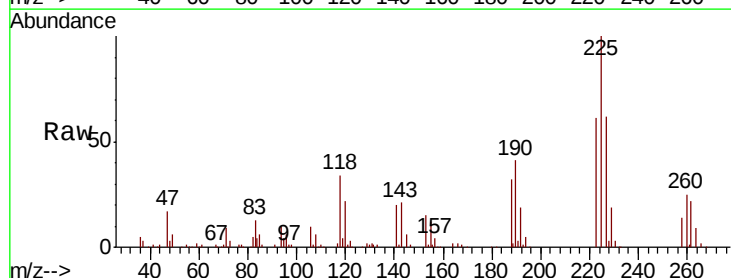


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

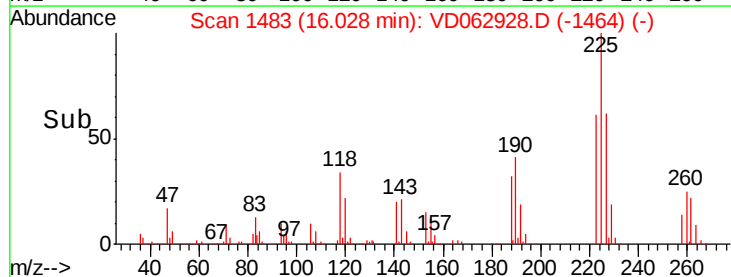
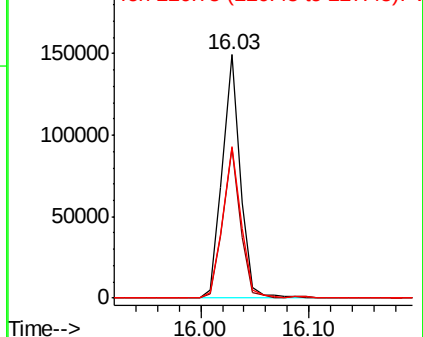


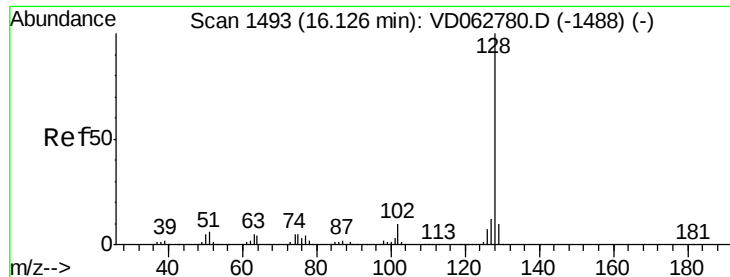
#94  
 Hexachlorobutadiene  
 Concen: 20.326 ug/l  
 RT: 16.03 min Scan# 1483  
 Delta R.T. -0.01 min  
 Lab File: VD062928.D  
 Acq: 27 Jun 2019 13:42

Tgt Ion:225 Resp: 174072  
 Ion Ratio Lower Upper  
 225 100  
 223 61.4 29.8 89.5  
 227 62.2 30.6 91.6



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





#95

Naphthalene

Concen: 21.698 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

Instrument :

MSVOA\_D

ClientSampleId :

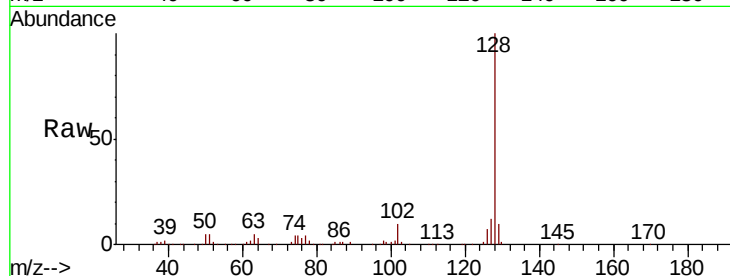
Tot Ion:128 Resp: 340913

Ion Ratio Lower Upper

128 100

127 12.4 9.7 14.5

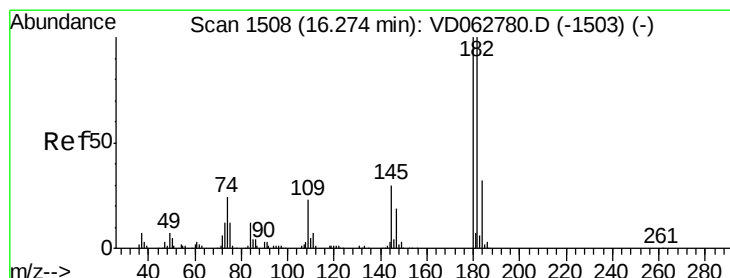
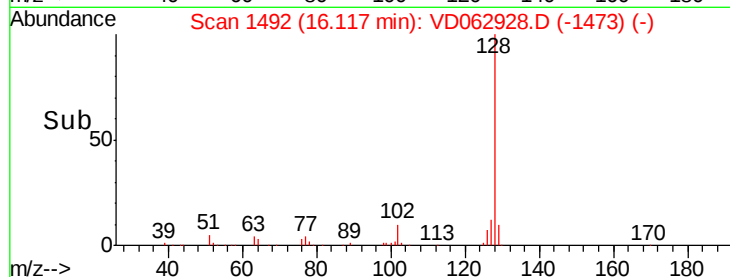
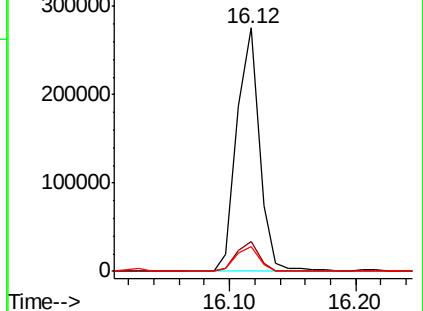
129 10.0 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.995 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VD062928.D

Acq: 27 Jun 2019 13:42

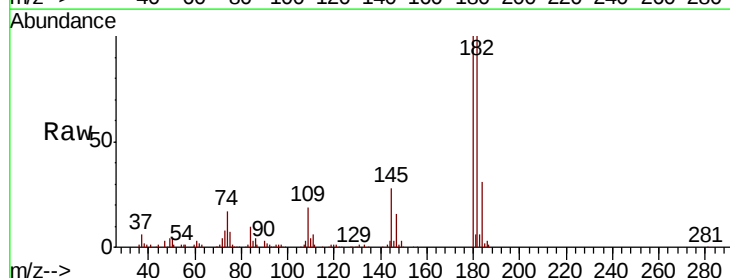
Tgt Ion:180 Resp: 198057

Ion Ratio Lower Upper

180 100

182 100.3 49.9 149.6

145 28.1 15.2 45.5



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

