

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\  
 Data File : VD062787.D  
 Acq On : 20 Jun 2019 12:10  
 Operator : VA/AP  
 Sample : VD0620SBS01  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 21 06:32:45 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      | 7.07  | 168  | 966032   | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.24  | 114  | 1296285  | 50.00 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 12.39 | 117  | 1100518  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.53 | 152  | 602336   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.47  | 65   | 546127   | 52.01 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.02% |          |
| 35) Dibromofluoromethane    | 6.95  | 113  | 564944   | 51.69 | ug/l    | 0.02     |
| Spiked Amount               |       |      | Recovery | =     | 103.38% |          |
| 50) Toluene-d8              | 10.44 | 98   | 1221511  | 51.35 | ug/l    | 0.02     |
| Spiked Amount               |       |      | Recovery | =     | 102.70% |          |
| 62) 4-Bromofluorobenzene    | 13.57 | 95   | 546075   | 50.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.96% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85   | 231701   | 18.535 | ug/l   | 99     |
| 3) Chloromethane              | 1.75 | 50   | 173095   | 18.412 | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.85 | 62   | 163657   | 17.557 | ug/l   | 99     |
| 5) Bromomethane               | 2.16 | 94   | 61749    | 14.145 | ug/l   | 98     |
| 6) Chloroethane               | 2.27 | 64   | 64765    | 15.347 | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 2.54 | 101  | 308147   | 16.335 | ug/l   | 96     |
| 8) Diethyl Ether              | 2.89 | 74   | 39975    | 16.678 | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.15 | 101  | 178137   | 17.430 | ug/l   | 93     |
| 10) Methyl Iodide             | 3.32 | 142  | 191215   | 14.182 | ug/l   | 96     |
| 11) Tert butyl alcohol        | 4.11 | 59   | 35904    | 75.074 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 3.14 | 96   | 128963   | 16.821 | ug/l   | 91     |
| 13) Acrolein                  | 3.05 | 56   | 44431    | 91.003 | ug/l   | 94     |
| 14) Allyl chloride            | 3.63 | 41   | 188820   | 16.668 | ug/l   | 90     |
| 15) Acrylonitrile             | 4.22 | 53   | 88170    | 78.460 | ug/l   | 97     |
| 16) Acetone                   | 3.24 | 43   | 162345   | 71.236 | ug/l   | 98     |
| 17) Carbon Disulfide          | 3.39 | 76   | 405406   | 16.545 | ug/l # | 92     |
| 18) Methyl Acetate            | 3.66 | 43   | 59329    | 18.716 | ug/l   | 96     |
| 19) Methyl tert-butyl Ether   | 4.25 | 73   | 264101   | 15.912 | ug/l   | 92     |
| 20) Methylene Chloride        | 3.83 | 84   | 127530   | 15.925 | ug/l # | 89     |
| 21) trans-1,2-Dichloroethene  | 4.24 | 96   | 138730   | 16.994 | ug/l   | 88     |
| 22) Diisopropyl ether         | 5.15 | 45   | 385090   | 16.715 | ug/l   | 96     |
| 23) Vinyl Acetate             | 5.08 | 43   | 1172821  | 81.356 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.01 | 63   | 238678   | 15.912 | ug/l   | 100    |
| 25) 2-Butanone                | 6.10 | 43   | 158501   | 80.706 | ug/l # | 92     |
| 26) 2,2-Dichloropropane       | 6.05 | 77   | 277554   | 17.457 | ug/l   | 94     |
| 27) cis-1,2-Dichloroethene    | 6.07 | 96   | 147565   | 17.094 | ug/l   | 93     |
| 28) Bromochloromethane        | 6.47 | 49   | 121903   | 23.075 | ug/l   | 87     |
| 29) Tetrahydrofuran           | 6.49 | 42   | 74588    | 80.270 | ug/l   | 93     |
| 30) Chloroform                | 6.69 | 83   | 300348   | 16.465 | ug/l   | 95     |
| 31) Cyclohexane               | 6.98 | 56   | 159827   | 16.208 | ug/l   | 90     |
| 32) 1,1,1-Trichloroethane     | 6.89 | 97   | 320687   | 16.878 | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 7.17 | 75   | 201016   | 16.381 | ug/l   | 92     |
| 37) Ethyl Acetate             | 6.20 | 43   | 92906    | 17.303 | ug/l   | 96     |
| 38) Carbon Tetrachloride      | 7.14 | 117  | 314610   | 17.047 | ug/l   | 92     |

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 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Jun 21 06:32:45 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          | 8.89  | 83   | 178603   | 16.535  | ug/l   | 90       |
| 40) Benzene                    | 7.48  | 78   | 416865   | 16.924  | ug/l   | 98       |
| 41) Methacrylonitrile          | 6.48  | 41   | 105463   | 16.297  | ug/l # | 92       |
| 42) 1,2-Dichloroethane         | 7.60  | 62   | 228964   | 17.039  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 9.26  | 43   | 101159   | 15.724  | ug/l # | 97       |
| 44) Trichloroethene            | 8.57  | 130  | 164456   | 17.030  | ug/l   | 93       |
| 45) 1,2-Dichloropropane        | 8.96  | 63   | 88376    | 14.429  | ug/l # | 88       |
| 46) Dibromomethane             | 9.09  | 93   | 90309    | 17.165  | ug/l   | 87       |
| 47) Bromodichloromethane       | 9.39  | 83   | 222807   | 16.306  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.14  | 41   | 77725    | 17.001  | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.12  | 88   | 14083    | 370.261 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone       | 10.32 | 43   | 358289   | 78.551  | ug/l   | 95       |
| 52) Toluene                    | 10.53 | 92   | 287747   | 17.378  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.94 | 75   | 186991   | 16.719  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 10.06 | 75   | 195189   | 16.057  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 11.21 | 97   | 95866    | 16.852  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 11.07 | 69   | 99341    | 16.341  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 11.43 | 76   | 142921   | 16.409  | ug/l   | 94       |
| 58) 2-Chloroethyl Vinyl ether  | 9.87  | 63   | 319391   | 102.335 | ug/l   | 100      |
| 59) 2-Hexanone                 | 11.55 | 43   | 265896   | 81.853  | ug/l   | 96       |
| 60) Dibromochloromethane       | 11.71 | 129  | 178960   | 16.890  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.82 | 107  | 111202   | 16.552  | ug/l   | 98       |
| 64) Tetrachloroethene          | 11.28 | 164  | 142982   | 15.786  | ug/l   | 95       |
| 65) Chlorobenzene              | 12.41 | 112  | 331108   | 16.211  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.53 | 131  | 158151   | 16.557  | ug/l   | 98       |
| 67) Ethyl Benzene              | 12.54 | 91   | 588745   | 16.055  | ug/l   | 99       |
| 68) m/p-Xylenes                | 12.68 | 106  | 431367   | 33.775  | ug/l   | 98       |
| 69) o-Xylene                   | 13.06 | 106  | 200482   | 17.171  | ug/l   | 97       |
| 70) Styrene                    | 13.08 | 104  | 326787   | 15.935  | ug/l   | 98       |
| 71) Bromoform                  | 13.25 | 173  | 107779   | 16.469  | ug/l   | 94       |
| 73) Isopropylbenzene           | 13.42 | 105  | 683630   | 17.701  | ug/l   | 99       |
| 74) N-amyl acetate             | 13.28 | 43   | 155493   | 16.579  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.71 | 83   | 98050    | 15.582  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane     | 13.74 | 75   | 112023   | 16.110  | ug/l   | 99       |
| 77) Bromobenzene               | 13.68 | 156  | 181485   | 17.471  | ug/l   | 98       |
| 78) n-propylbenzene            | 13.78 | 91   | 729795   | 16.235  | ug/l   | 94       |
| 79) 2-Chlorotoluene            | 13.85 | 91   | 431389   | 16.793  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 13.95 | 105  | 531599   | 16.387  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 13.49 | 75   | 27748    | 15.226  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.96 | 91   | 531726   | 17.193  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 14.21 | 119  | 608871   | 16.839  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 14.25 | 105  | 534327   | 16.070  | ug/l   | 95       |
| 85) sec-Butylbenzene           | 14.38 | 105  | 643898   | 16.384  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 14.50 | 119  | 598872   | 16.657  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 14.47 | 146  | 302883   | 16.266  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 14.55 | 146  | 314710   | 16.827  | ug/l   | 95       |
| 89) n-Butylbenzene             | 14.81 | 91   | 595918   | 17.709  | ug/l   | 98       |
| 90) Hexachloroethane           | 15.02 | 117  | 156523   | 16.192  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene        | 14.82 | 146  | 284383   | 17.850  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.39 | 75   | 20140    | 16.398  | ug/l   | 95       |

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Sample : VD0620SBS01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Jun 21 06:32:45 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

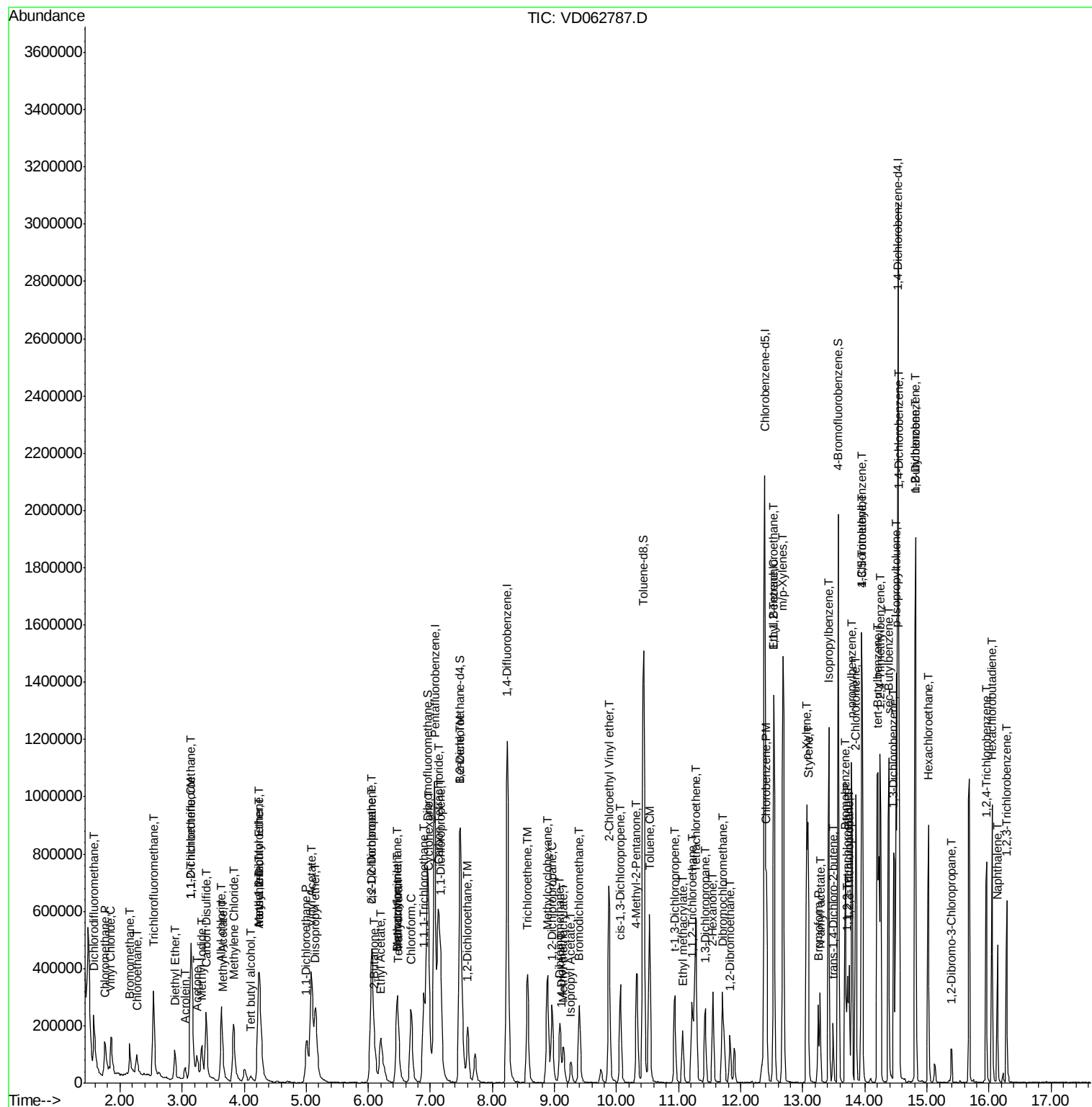
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.96 | 180  | 210602   | 16.922 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 16.05 | 225  | 149060   | 15.678 | ug/l  | 97       |
| 95) Naphthalene            | 16.14 | 128  | 272939   | 15.647 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 16.28 | 180  | 155943   | 16.308 | ug/l  | 92       |

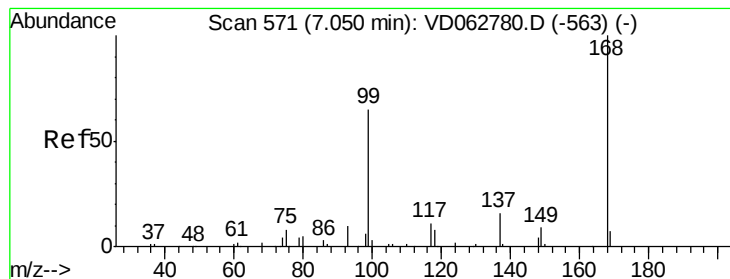
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062019\  
 Data File : VD062787.D  
 Acq On : 20 Jun 2019 12:10  
 Operator : VA/AP  
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

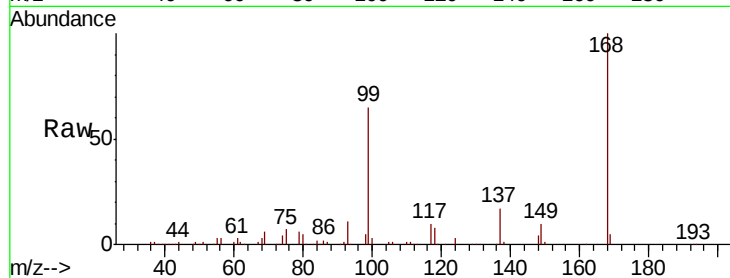
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:168 Resp: 966032

Ion Ratio Lower Upper

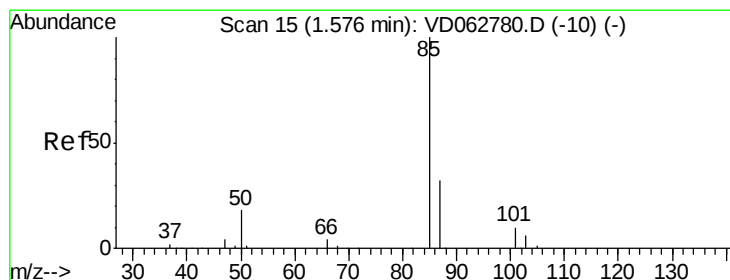
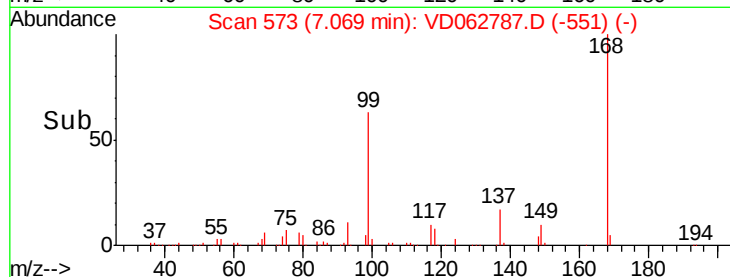
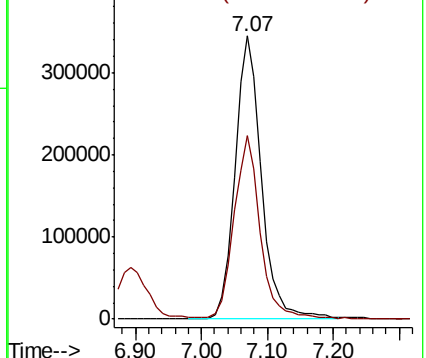
168 100

99 65.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.535 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062787.D

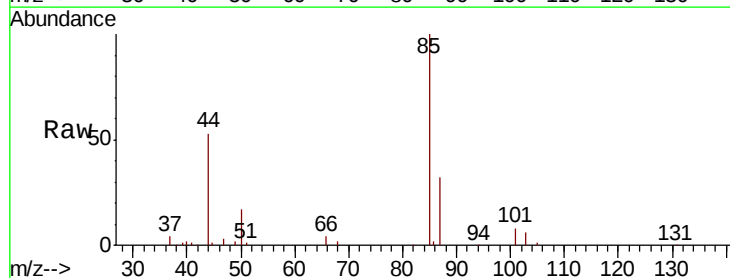
Acq: 20 Jun 2019 12:10

Tgt Ion: 85 Resp: 231701

Ion Ratio Lower Upper

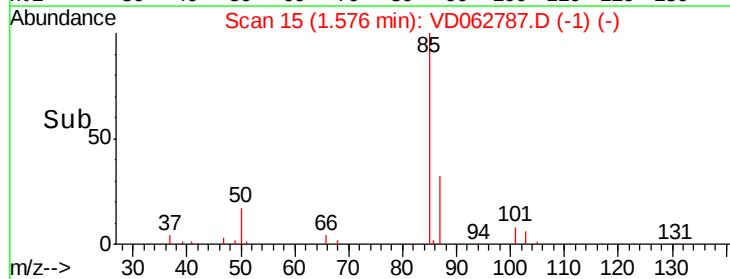
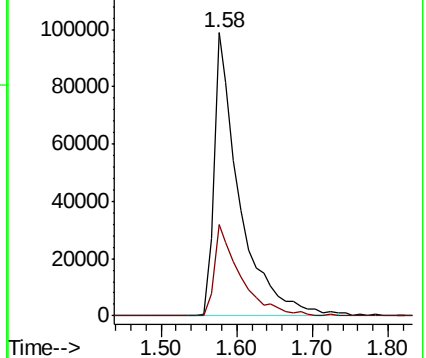
85 100

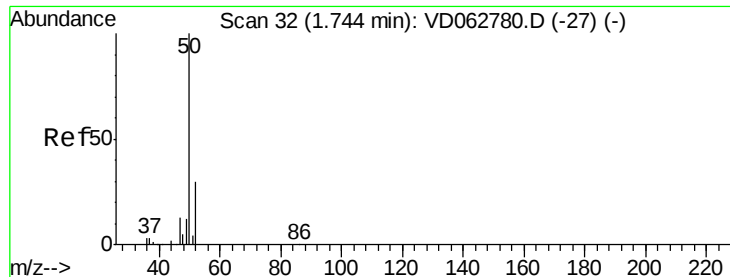
87 32.1 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.412 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

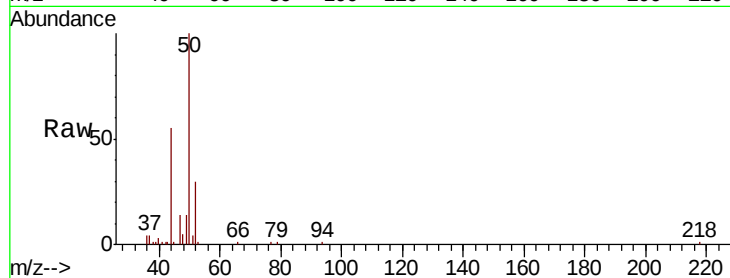
ClientSampleId :

Tot Ion: 50 Resp: 173095

Ion Ratio Lower Upper

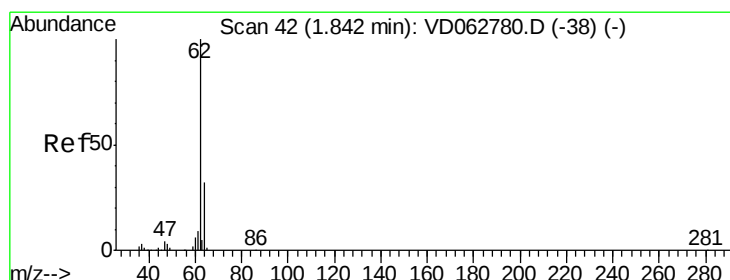
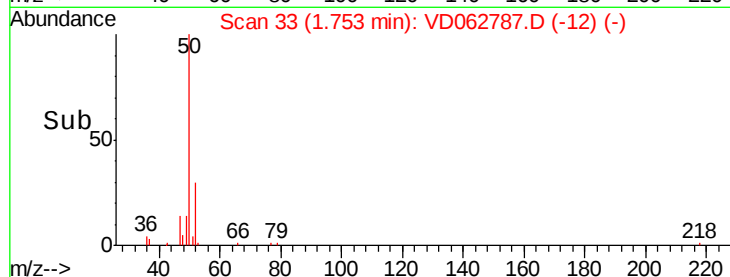
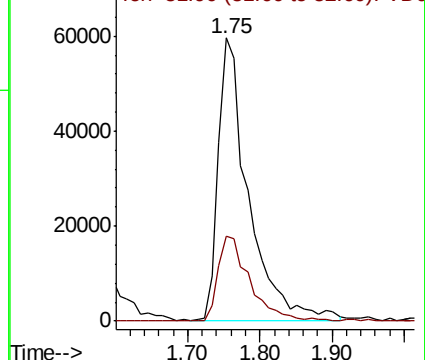
50 100

52 30.2 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: 17.557 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062787.D

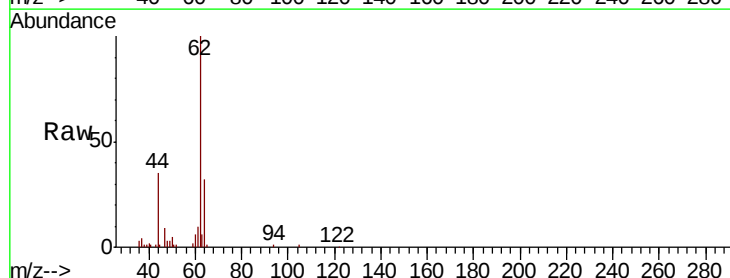
Acq: 20 Jun 2019 12:10

Tgt Ion: 62 Resp: 163657

Ion Ratio Lower Upper

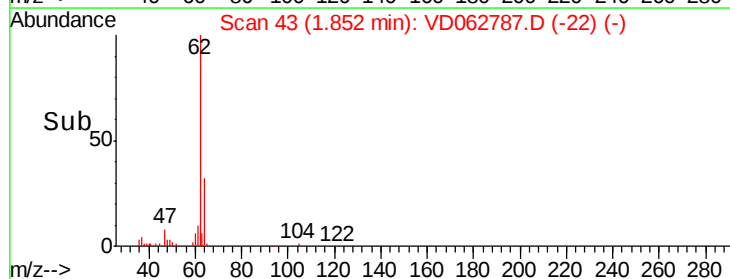
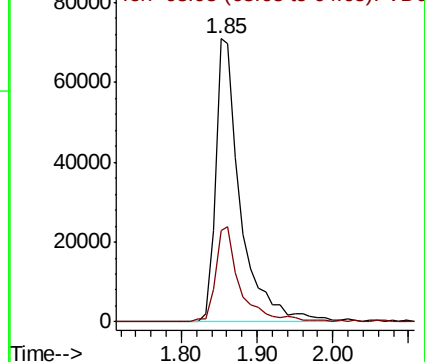
62 100

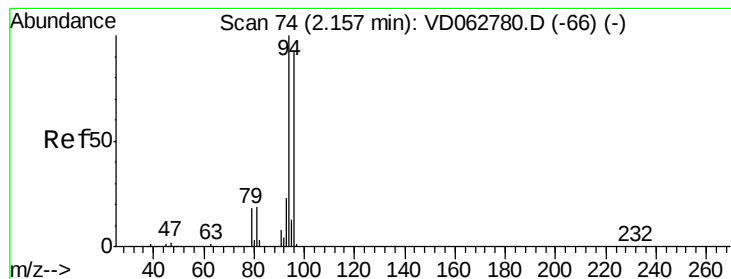
64 32.3 25.6 38.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.145 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

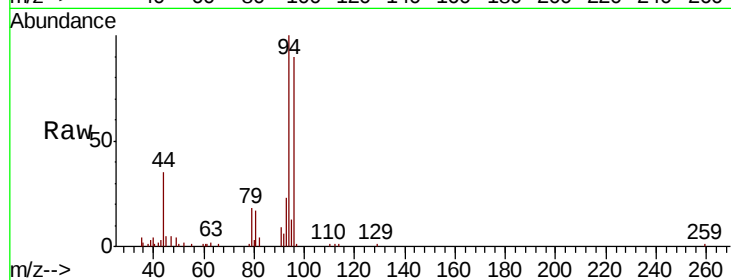
Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 94 Resp: 61749

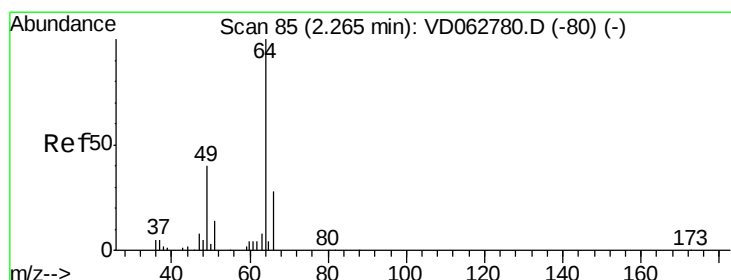
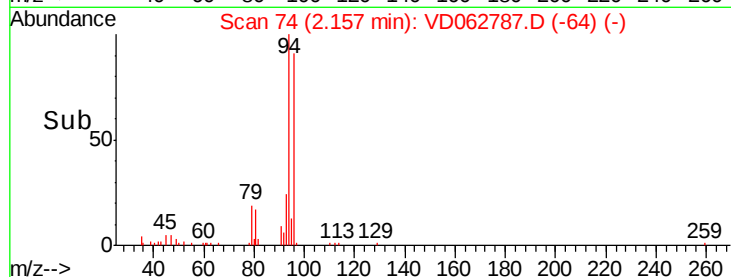
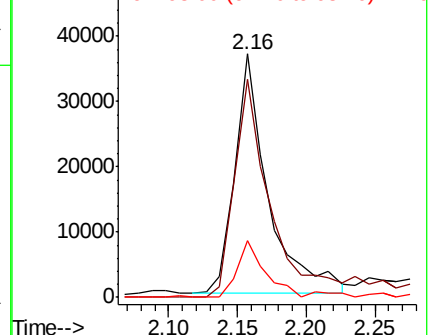
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 96  | 89.5  | 73.4  | 110.2 |
| 93  | 23.3  | 18.2  | 27.4  |



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: 15.347 ug/l

RT: 2.27 min Scan# 85

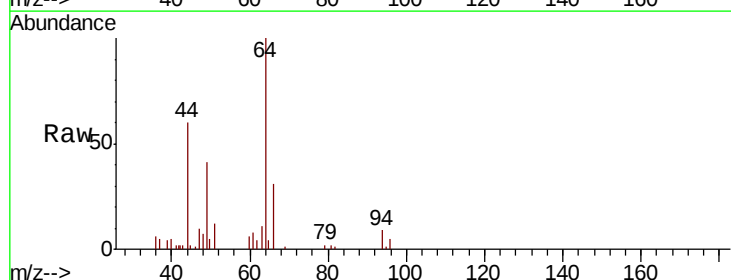
Delta R.T. 0.00 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

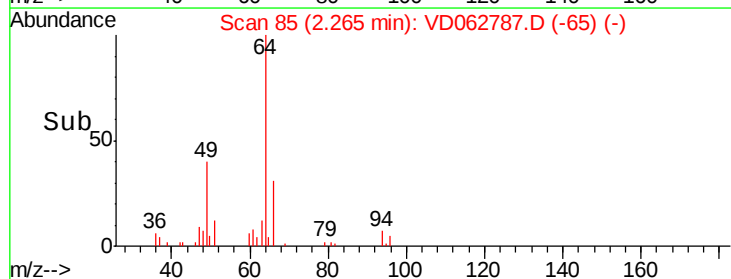
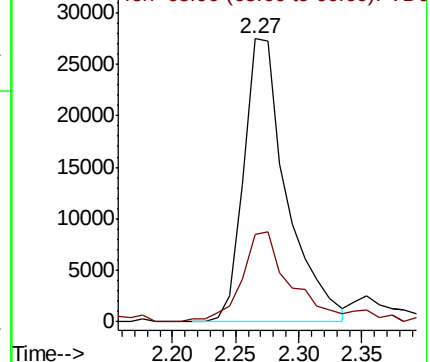
Tgt Ion: 64 Resp: 64765

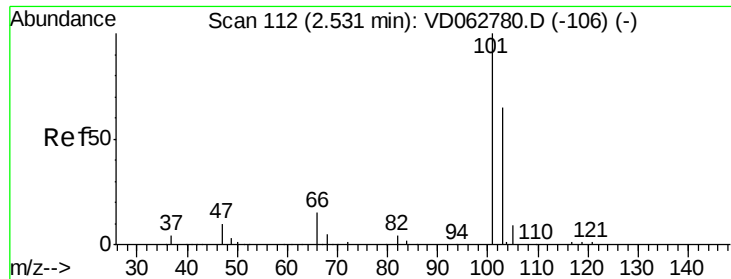
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 64  | 100   |       |       |
| 66  | 31.0  | 23.0  | 34.4  |



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



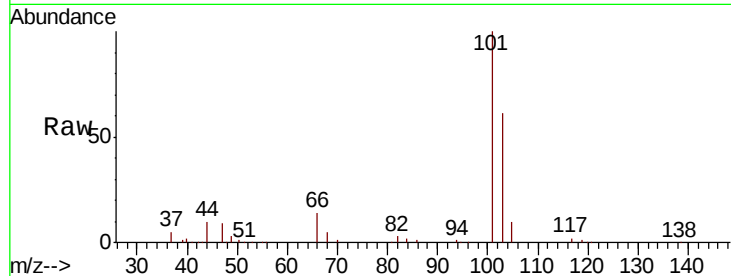


#7

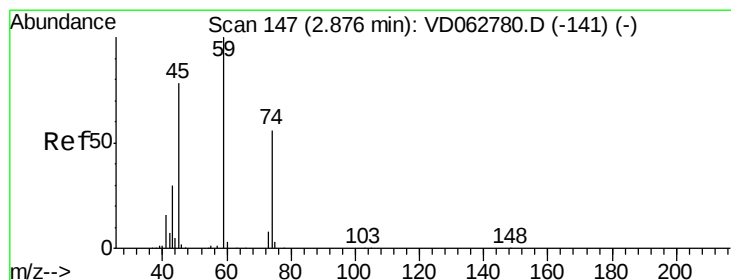
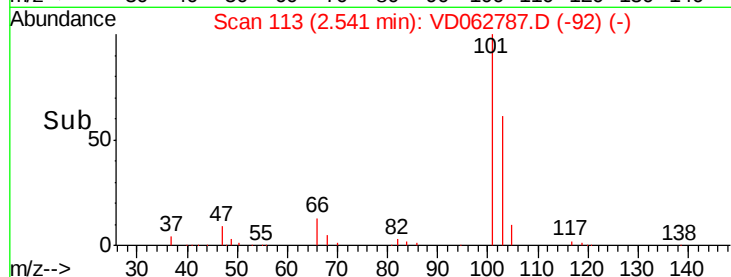
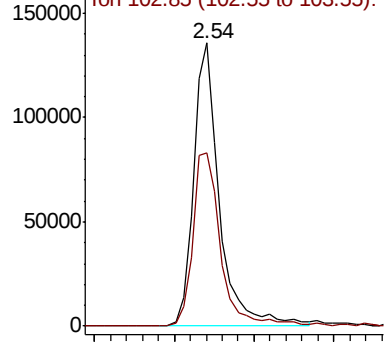
Trichlorofluoromethane  
 Concen: 16.335 ug/l  
 RT: 2.54 min Scan# 113  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:101 Resp: 308147  
 Ion Ratio Lower Upper  
 101 100  
 103 61.4 51.8 77.8



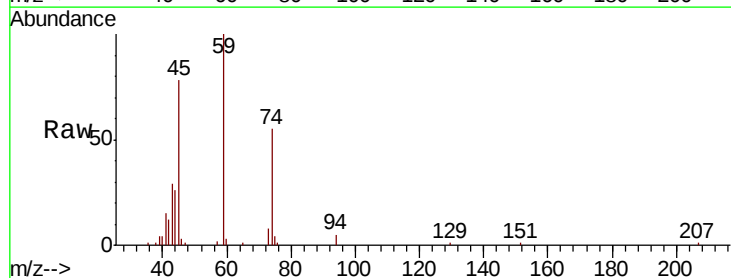
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



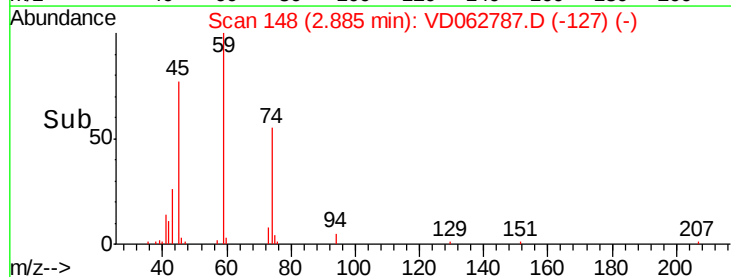
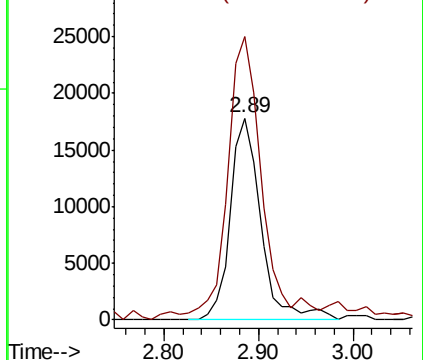
#8

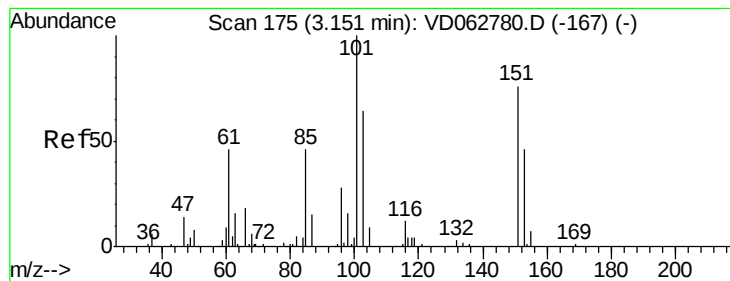
Diethyl Ether  
 Concen: 16.678 ug/l  
 RT: 2.89 min Scan# 148  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion: 74 Resp: 39975  
 Ion Ratio Lower Upper  
 74 100  
 45 140.4 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: 17.430 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

ClientSampleId :

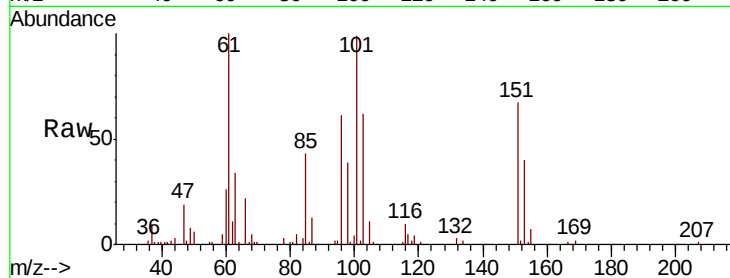
Tot Ion:101 Resp: 178137

Ion Ratio Lower Upper

101 100

85 43.5 37.0 55.4

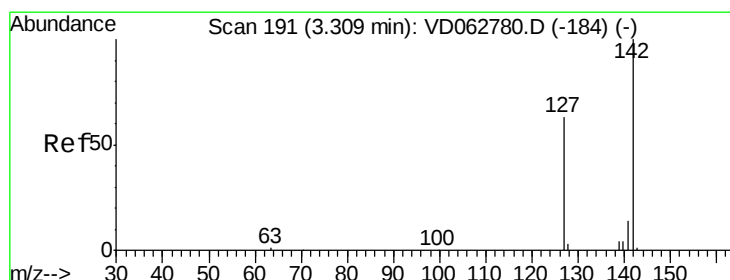
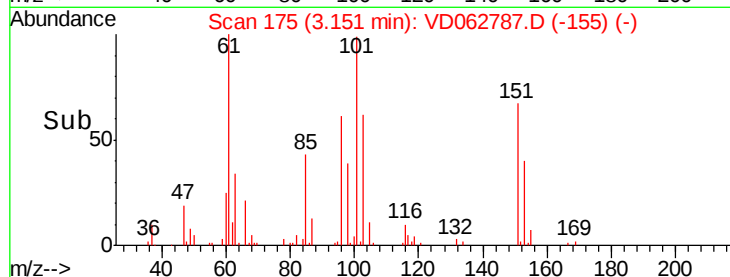
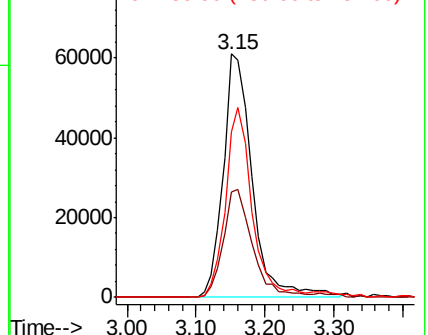
151 68.0 60.5 90.7



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: 14.182 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

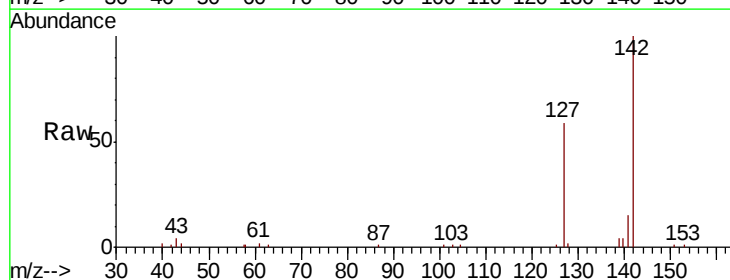
Tgt Ion:142 Resp: 191215

Ion Ratio Lower Upper

142 100

127 59.1 50.1 75.1

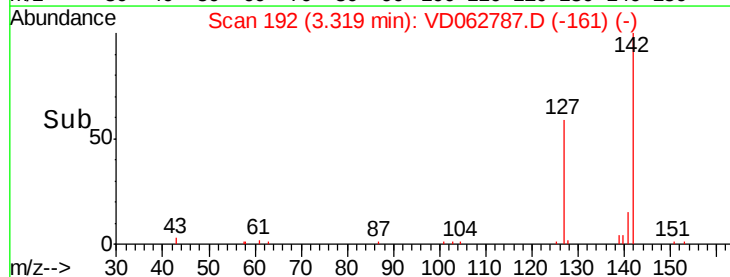
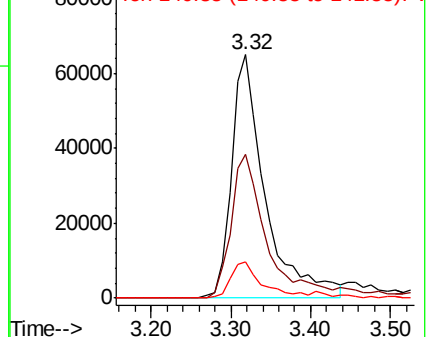
141 14.9 11.0 16.4

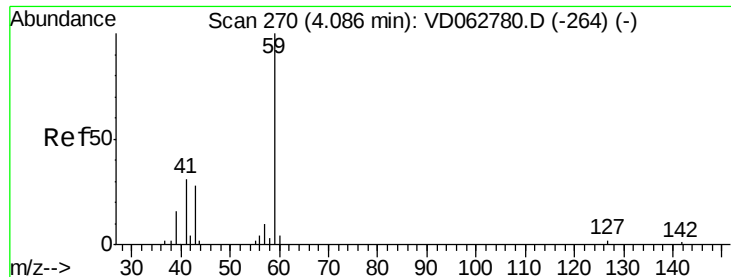


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

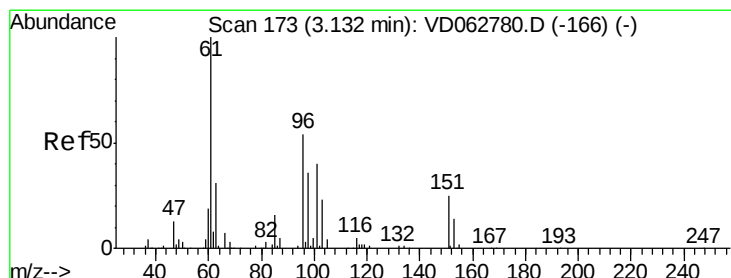
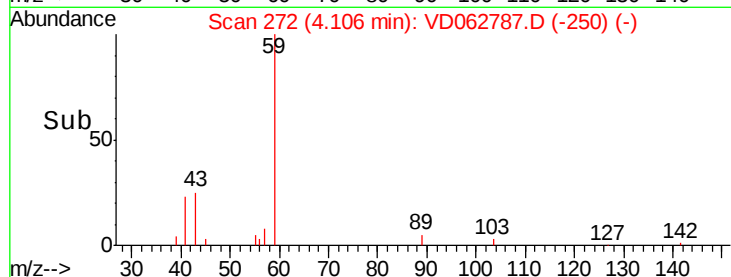
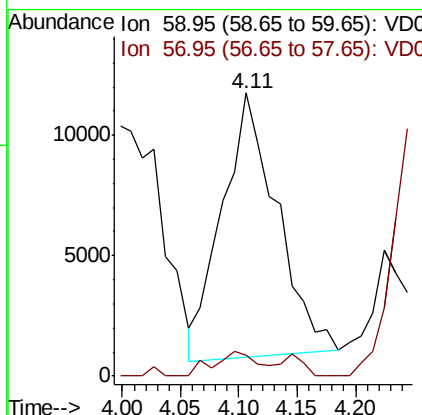
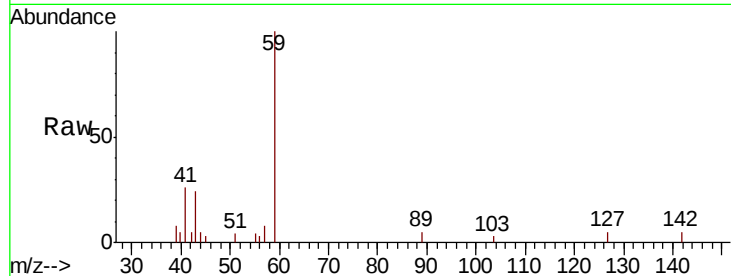




#11  
Tert butyl alcohol  
Concen: 75.074 ug/l  
RT: 4.11 min Scan# 272  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

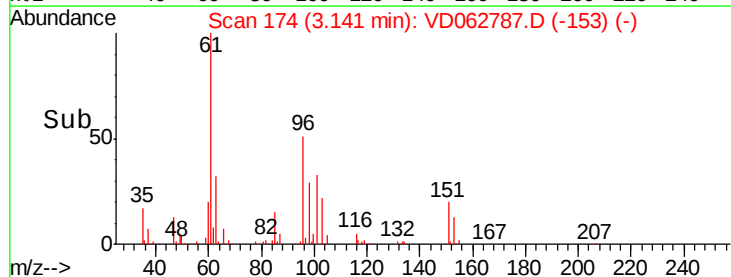
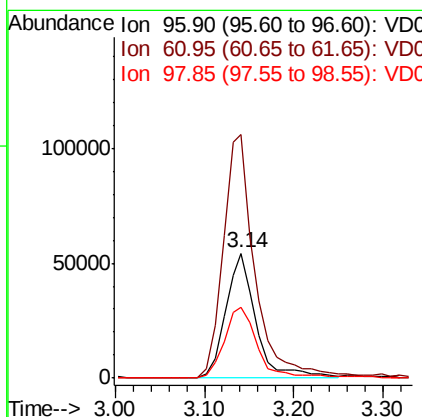
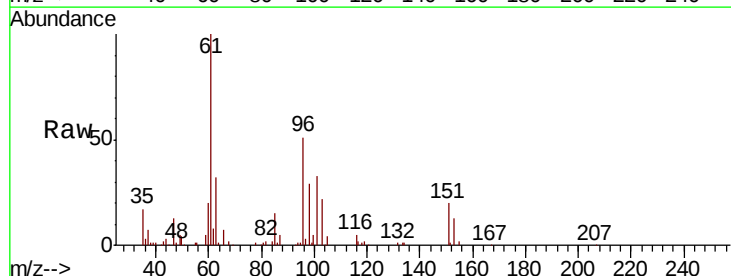
Instrument :  
MSVOA\_D  
ClientSampled :

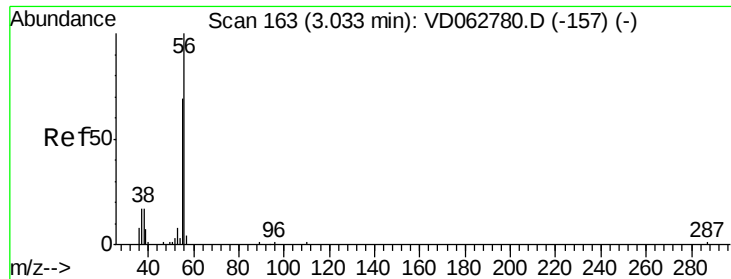
Tot Ion: 59 Resp: 35904  
Ion Ratio Lower Upper  
59 100  
57 7.6 6.6 10.0



#12  
1,1-Dichloroethene  
Concen: 16.821 ug/l  
RT: 3.14 min Scan# 174  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion: 96 Resp: 128963  
Ion Ratio Lower Upper  
96 100  
61 194.9 147.1 220.7  
98 56.3 52.6 79.0





#13

Acrolein

Concen: 91.003 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

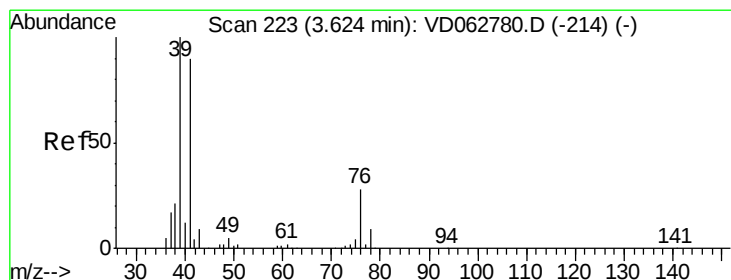
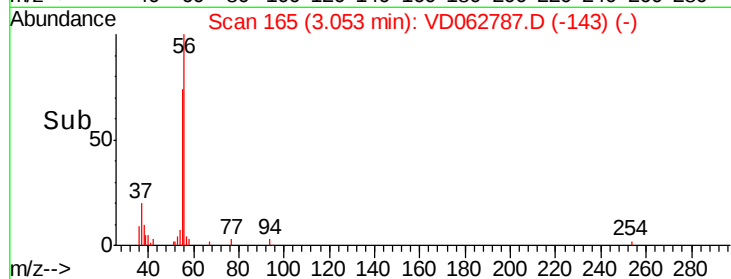
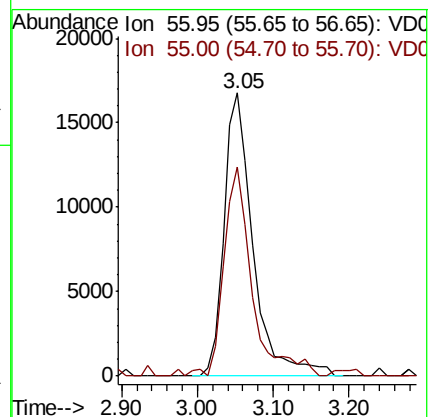
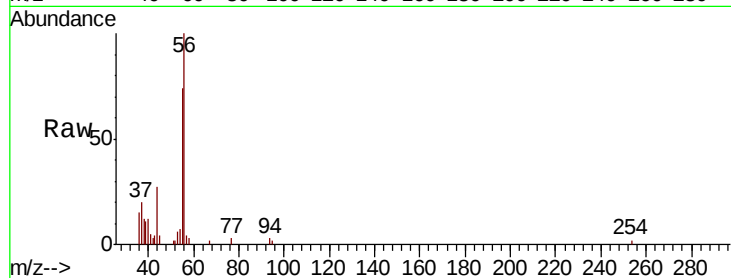
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 56 Resp: 44431

Ion Ratio Lower Upper

56 100

55 74.0 55.4 83.0



#14

Allyl chloride

Concen: 16.668 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

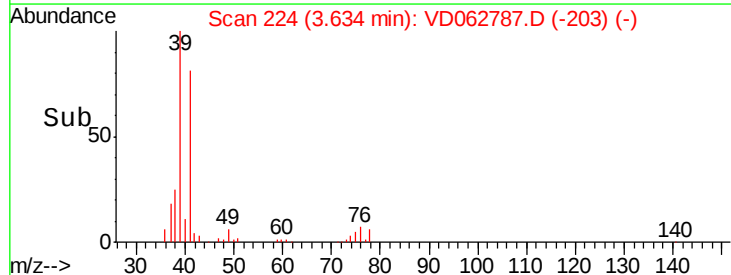
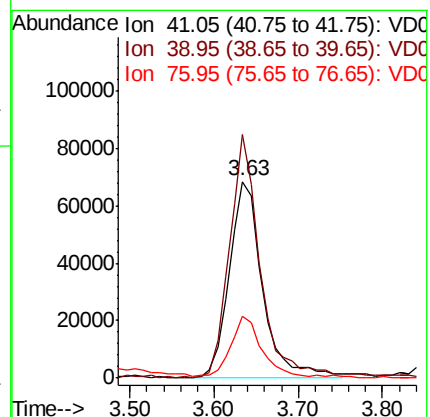
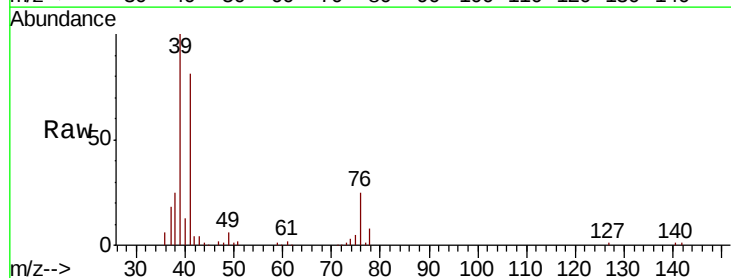
Tgt Ion: 41 Resp: 188820

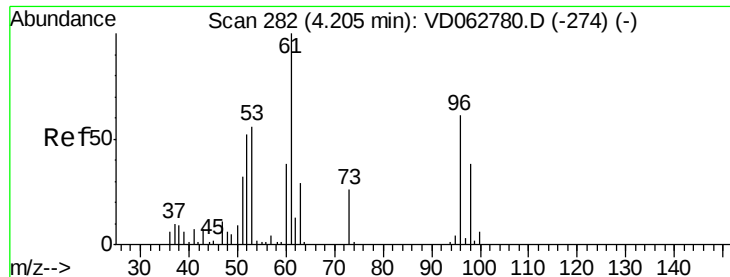
Ion Ratio Lower Upper

41 100

39 123.8 88.8 133.2

76 31.5 26.7 40.1





#15

Acrylonitrile

Concen: 78.460 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampleId :

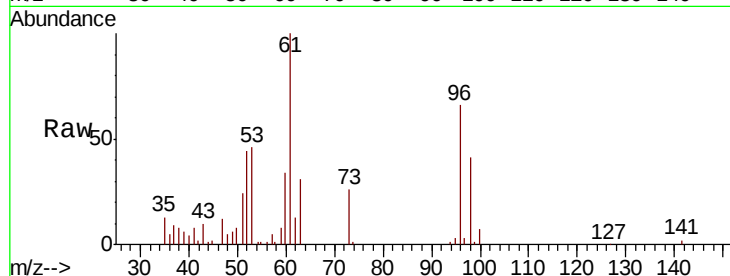
Tot Ion: 53 Resp: 88170

Ion Ratio Lower Upper

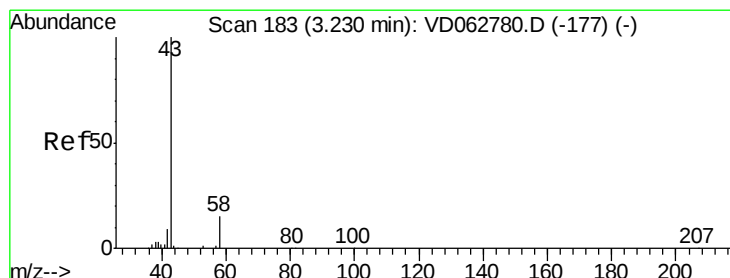
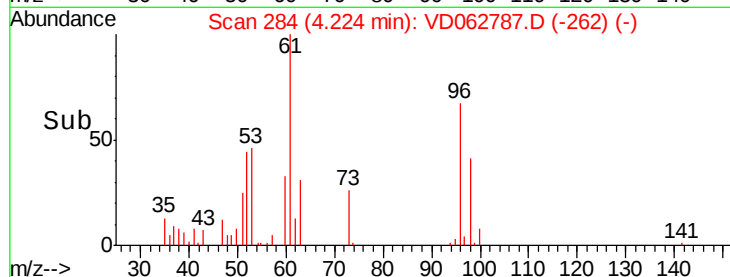
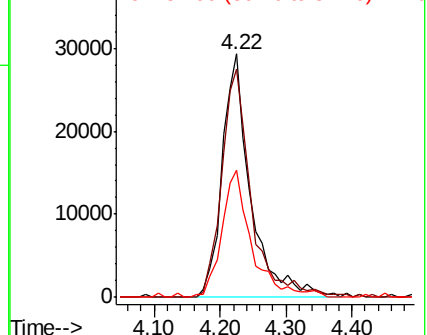
53 100

52 93.9 73.3 109.9

51 52.5 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: 71.236 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062787.D

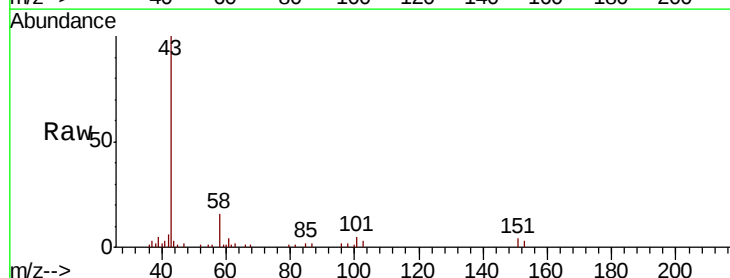
Acq: 20 Jun 2019 12:10

Tgt Ion: 43 Resp: 162345

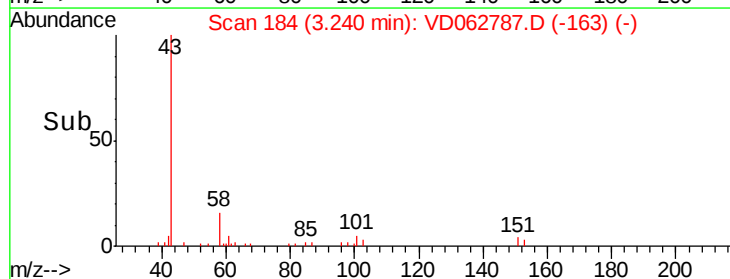
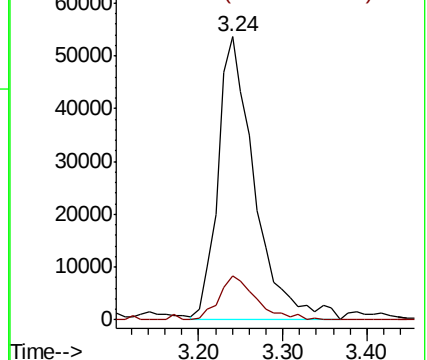
Ion Ratio Lower Upper

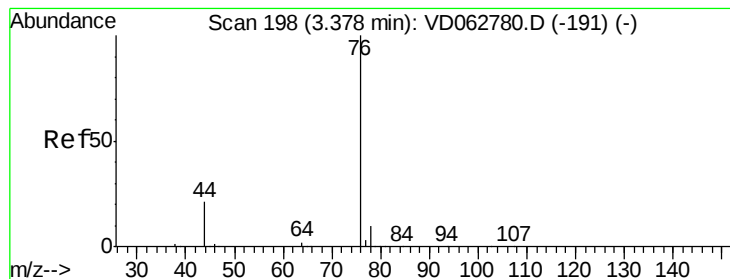
43 100

58 15.5 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: 16.545 ug/l

RT: 3.39 min Scan# 199

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

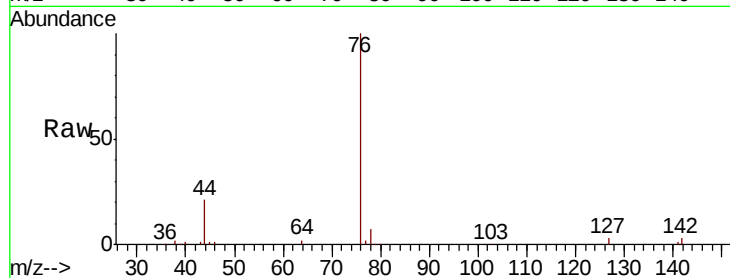
ClientSampleId :

Tot Ion: 76 Resp: 405406

Ion Ratio Lower Upper

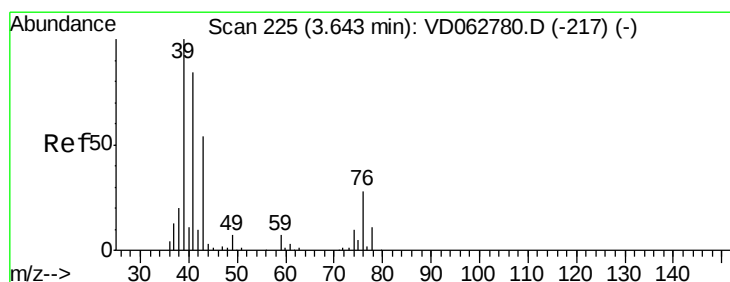
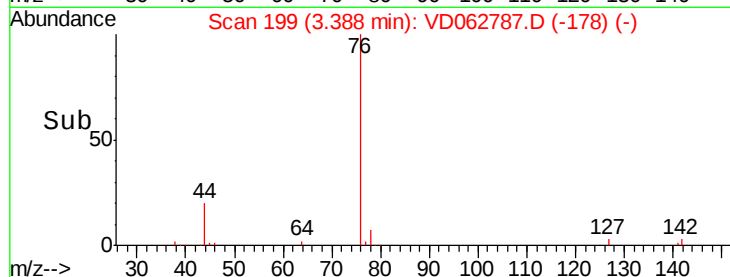
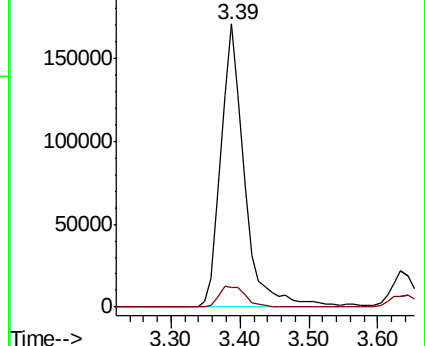
76 100

78 7.2 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: 18.716 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD062787.D

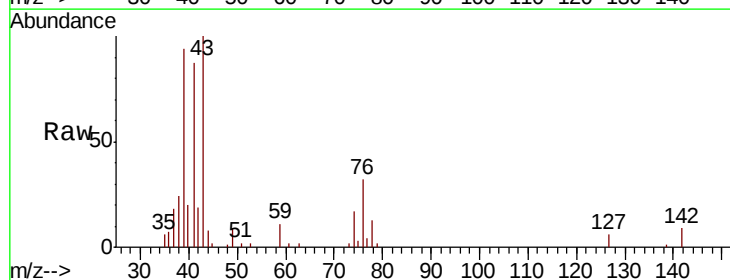
Acq: 20 Jun 2019 12:10

Tgt Ion: 43 Resp: 59329

Ion Ratio Lower Upper

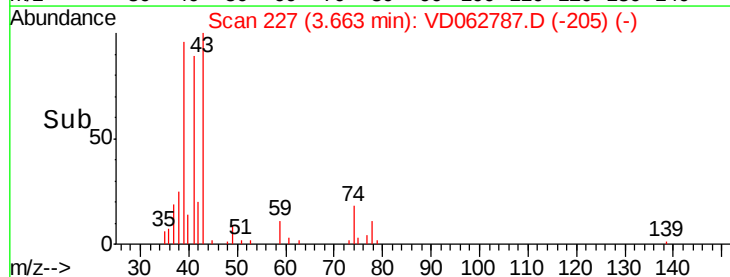
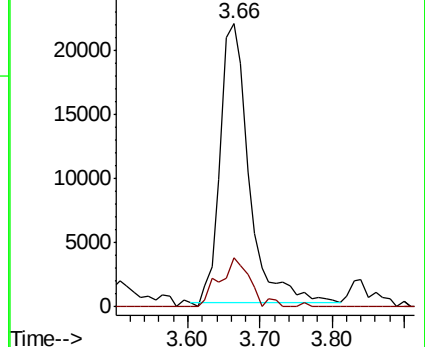
43 100

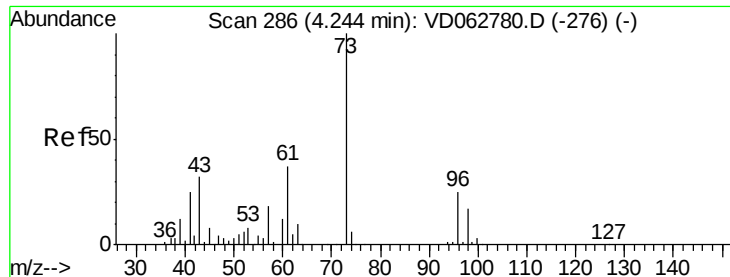
74 17.3 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



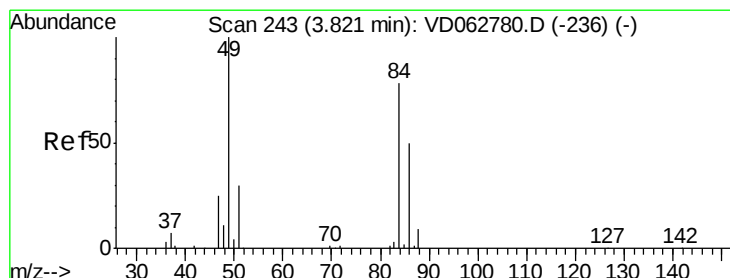
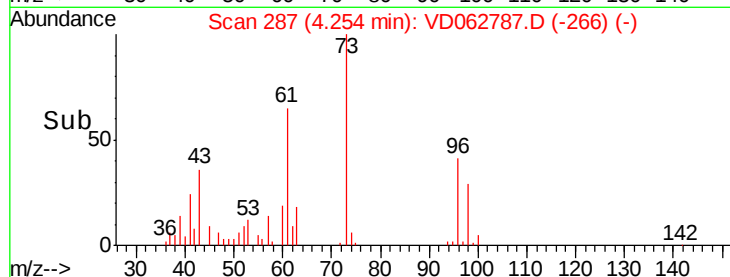
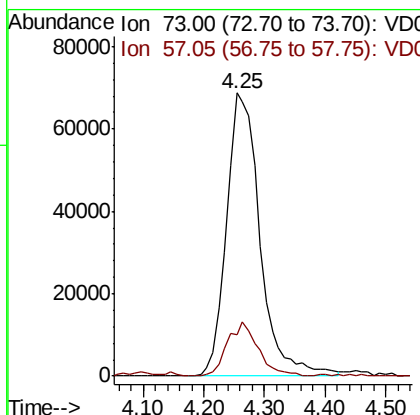
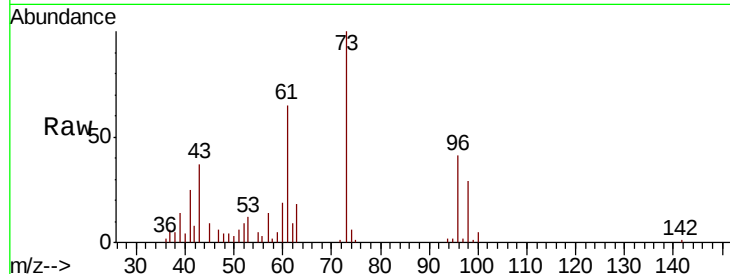


#19

Methyl tert-butyl Ether  
 Concen: 15.912 ug/l  
 RT: 4.25 min Scan# 287  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :

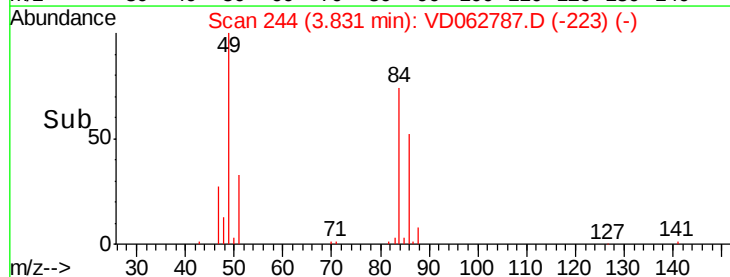
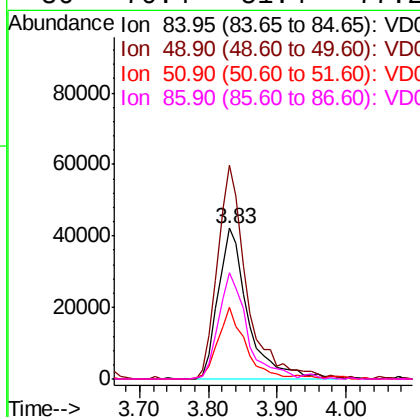
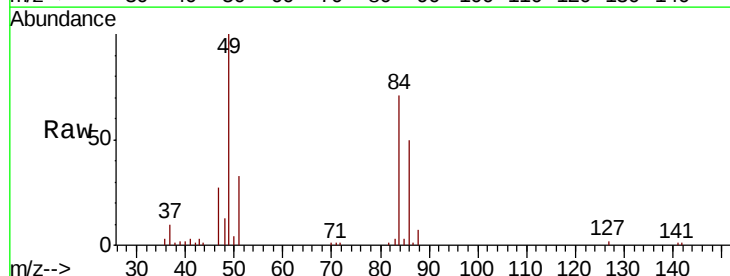
Tot Ion: 73 Resp: 264101  
 Ion Ratio Lower Upper  
 73 100  
 57 14.5 14.3 21.5



#20

Methylene Chloride  
 Concen: 15.925 ug/l  
 RT: 3.83 min Scan# 244  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion: 84 Resp: 127530  
 Ion Ratio Lower Upper  
 84 100  
 49 141.6 102.9 154.3  
 51 47.2 31.2 46.8#  
 86 70.4 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 16.994 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampled :

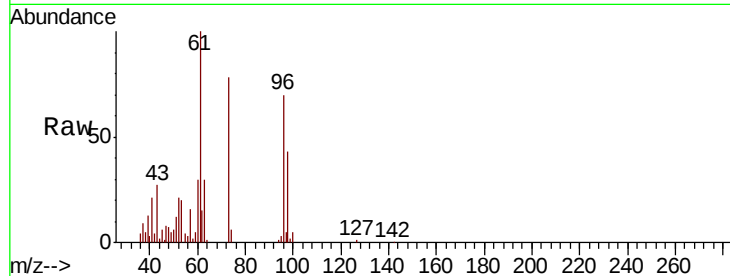
Tot Ion: 96 Resp: 138730

Ion Ratio Lower Upper

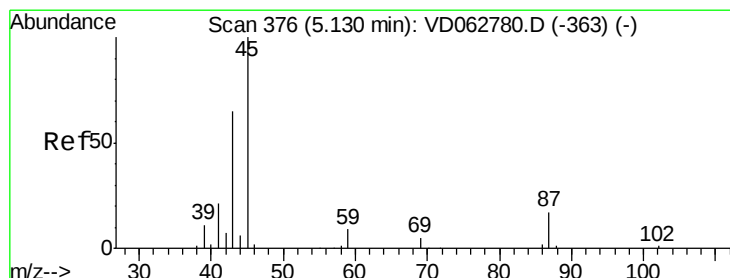
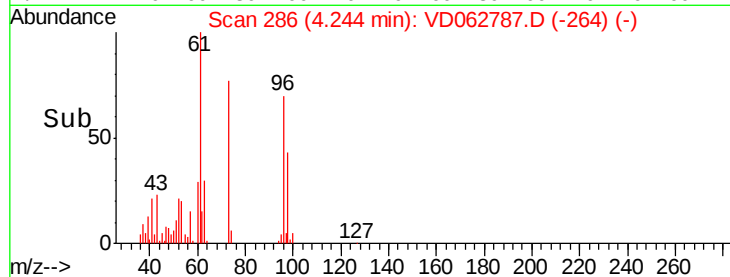
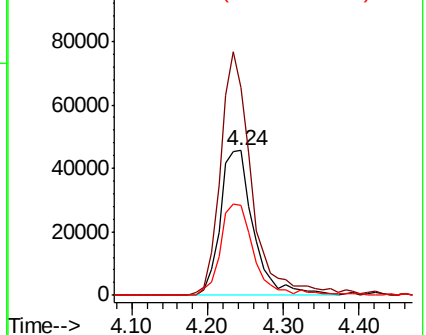
96 100

61 143.7 131.0 196.4

98 61.8 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: 16.715 ug/l

RT: 5.15 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Tgt Ion: 45 Resp: 385090

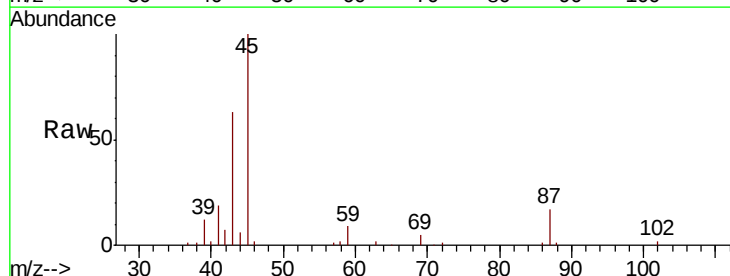
Ion Ratio Lower Upper

45 100

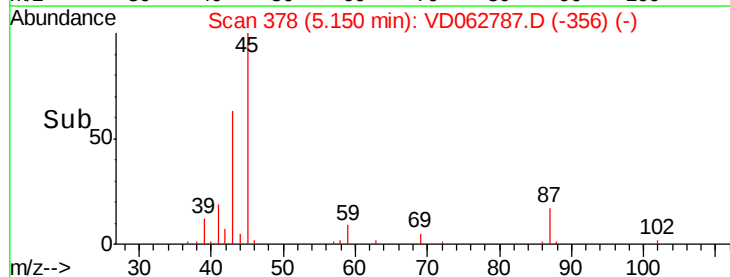
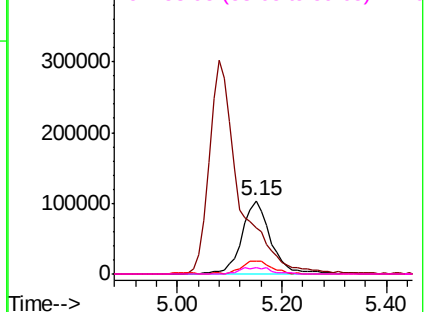
43 62.6 53.4 80.0

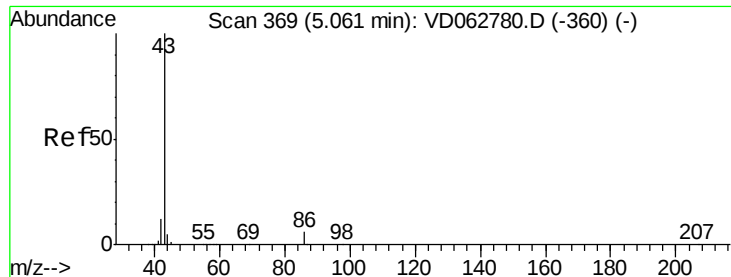
87 17.0 14.6 22.0

59 8.8 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: 81.356 ug/l

RT: 5.08 min Scan# 371

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

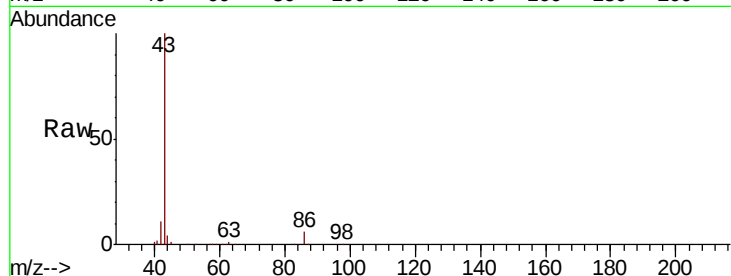
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 43 Resp: 1172821

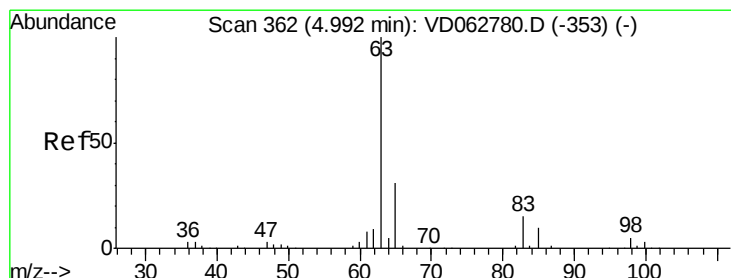
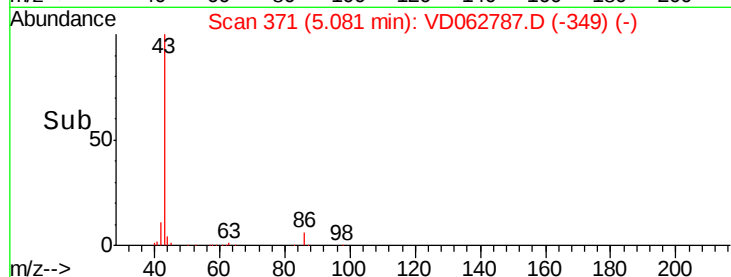
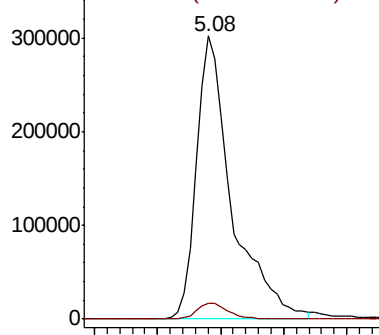
Ion Ratio Lower Upper

43 100

86 5.7 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 15.912 ug/l

RT: 5.01 min Scan# 364

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

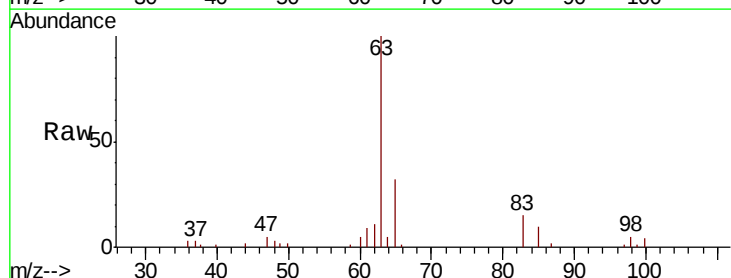
Tgt Ion: 63 Resp: 238678

Ion Ratio Lower Upper

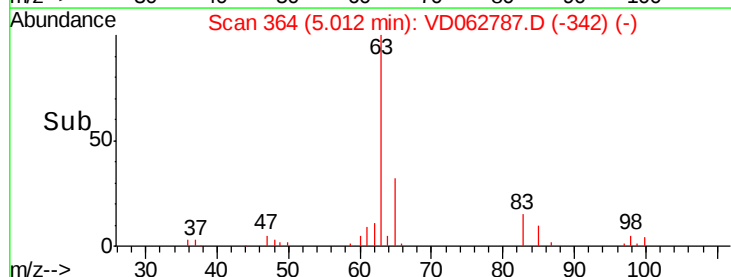
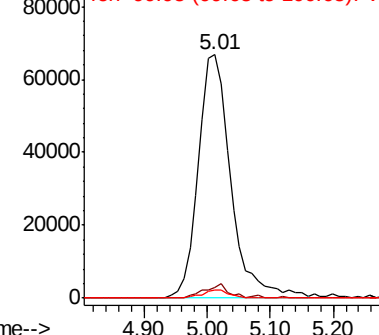
63 100

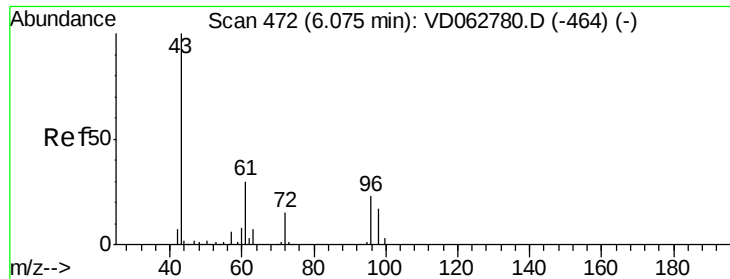
98 4.6 2.3 6.9

100 3.5 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





#25

2-Butanone

Concen: 80.706 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

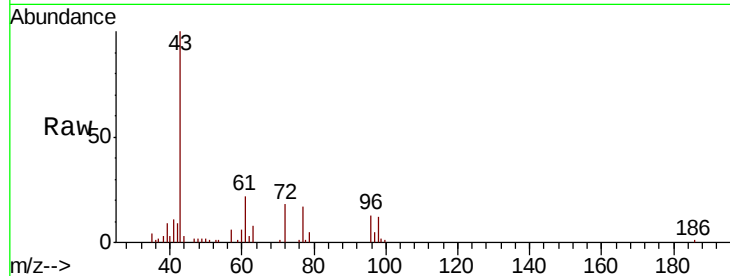
ClientSampleId :

Tot Ion: 43 Resp: 158501

Ion Ratio Lower Upper

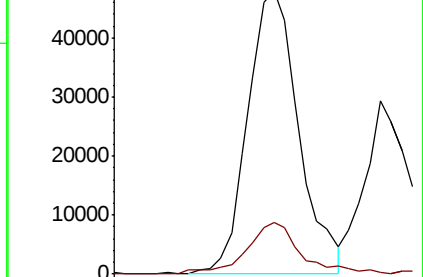
43 100

72 18.1 11.9 17.9#

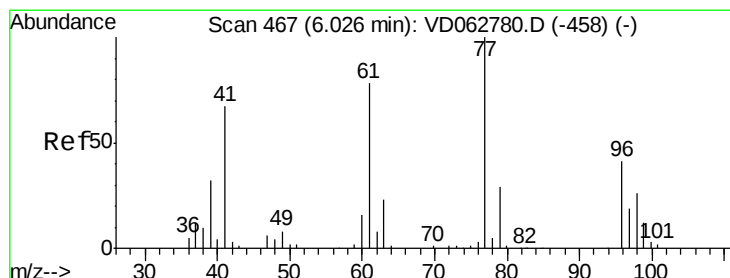
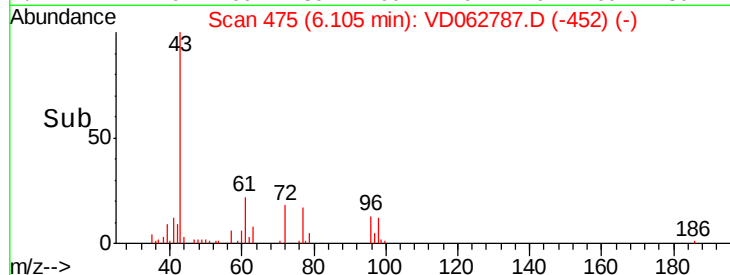


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 17.457 ug/l

RT: 6.05 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD062787.D

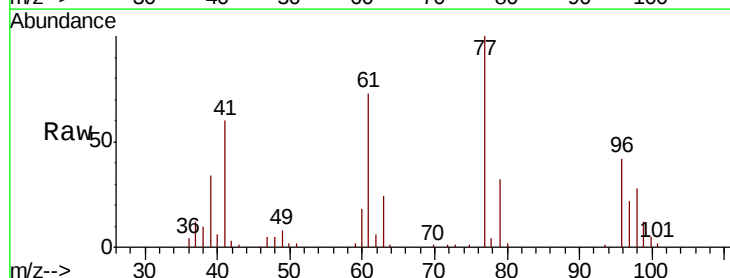
Acq: 20 Jun 2019 12:10

Tgt Ion: 77 Resp: 277554

Ion Ratio Lower Upper

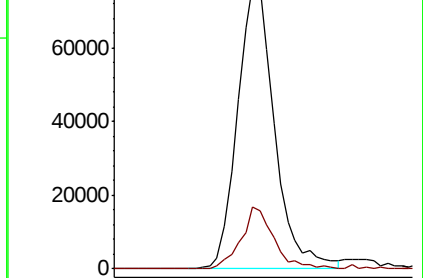
77 100

97 21.9 9.5 28.5

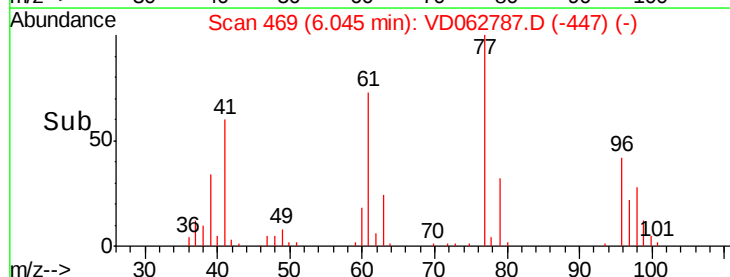


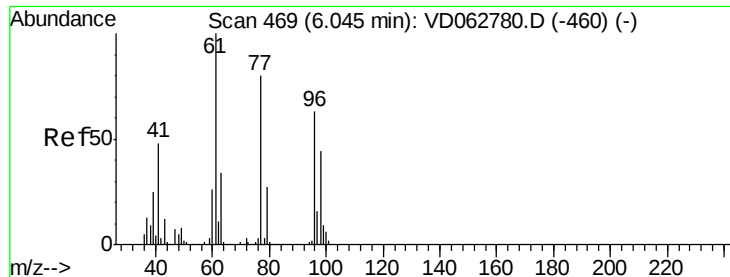
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



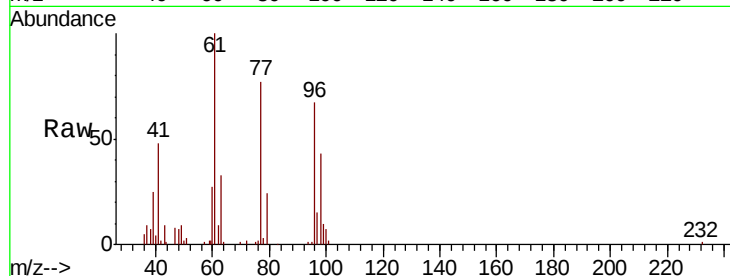


#27

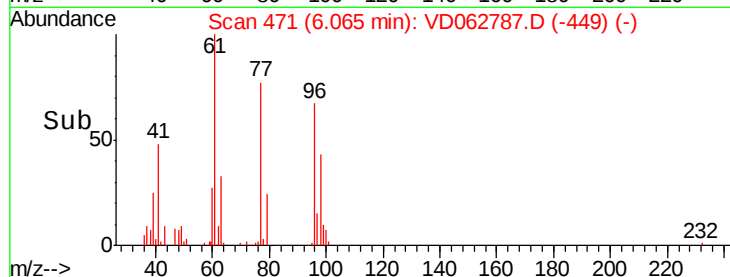
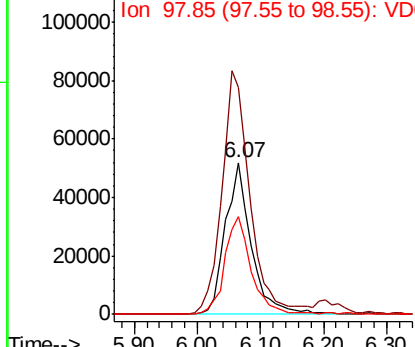
cis-1,2-Dichloroethene  
Concen: 17.094 ug/l  
RT: 6.07 min Scan# 471  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 96 Resp: 147565  
Ion Ratio Lower Upper  
96 100  
61 149.2 0.0 316.0  
98 64.2 0.0 138.4



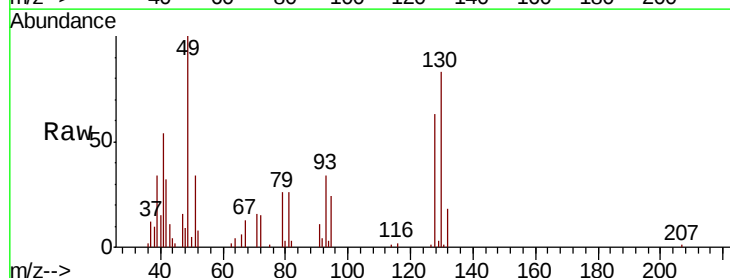
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



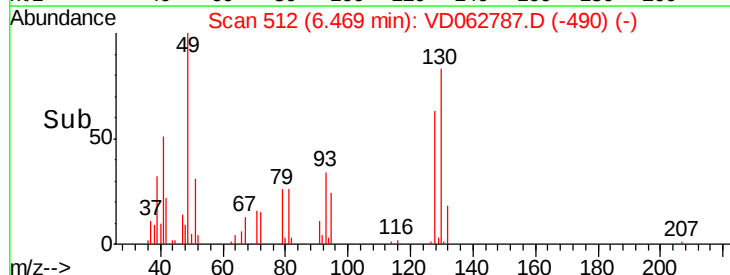
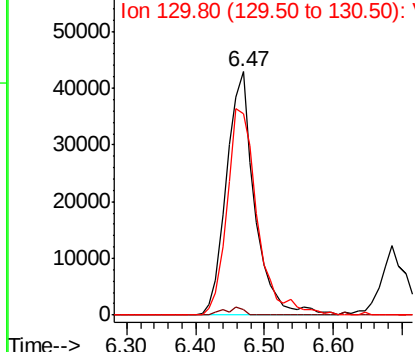
#28

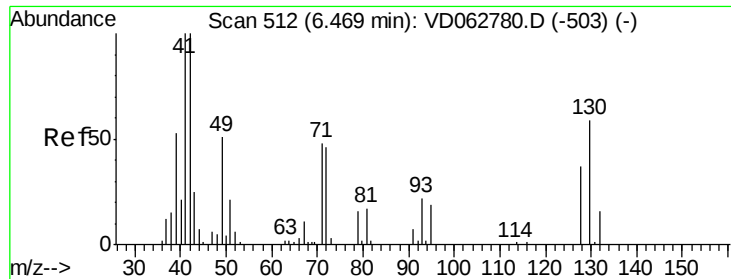
Bromochloromethane  
Concen: 23.075 ug/l  
RT: 6.47 min Scan# 512  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion: 49 Resp: 121903  
Ion Ratio Lower Upper  
49 100  
129 2.5 0.0 5.6  
130 82.8 76.6 114.8



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





#29

Tetrahydrofuran

Concen: 80.270 ug/l

RT: 6.49 min Scan# 514

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampleId :

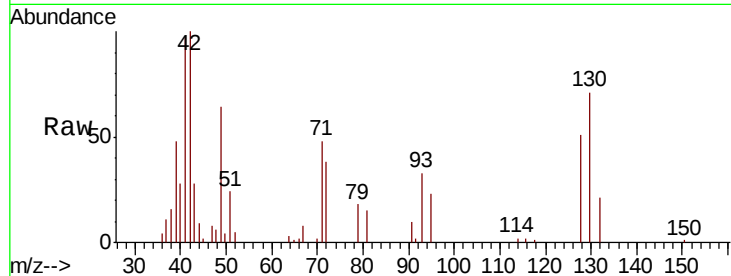
Tot Ion: 42 Resp: 74588

Ion Ratio Lower Upper

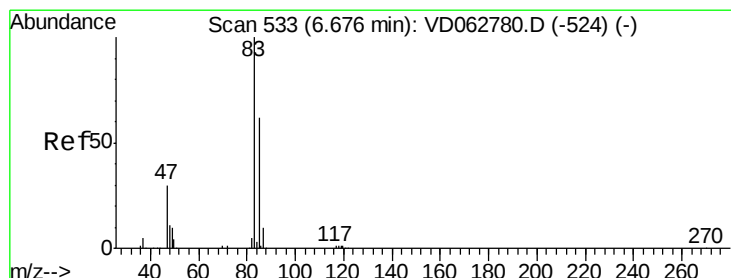
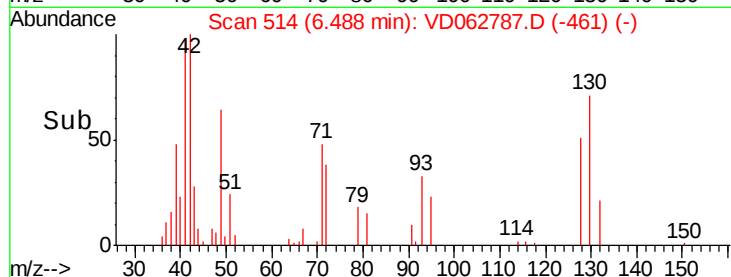
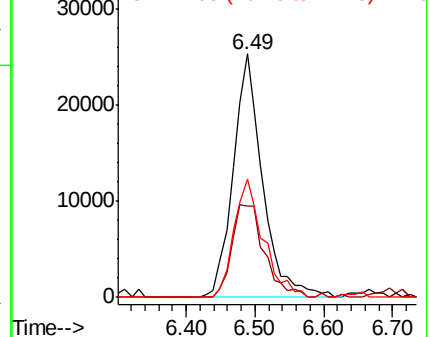
42 100

72 42.0 35.0 52.6

71 48.4 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: 16.465 ug/l

RT: 6.69 min Scan# 534

Delta R.T. 0.01 min

Lab File: VD062787.D

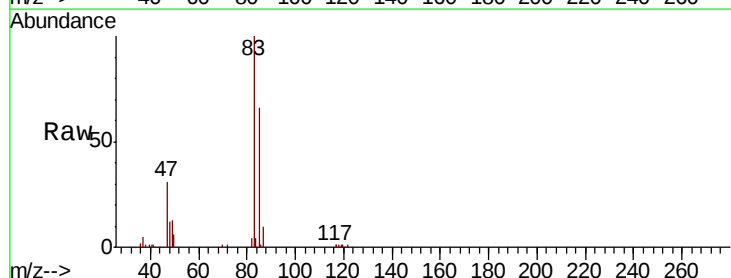
Acq: 20 Jun 2019 12:10

Tgt Ion: 83 Resp: 300348

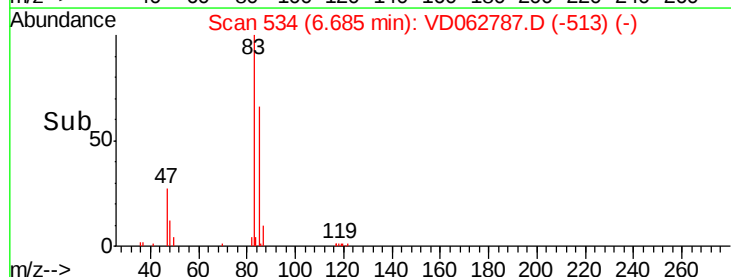
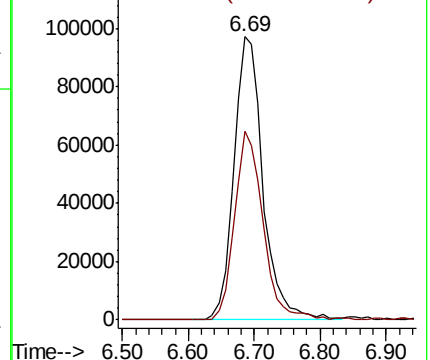
Ion Ratio Lower Upper

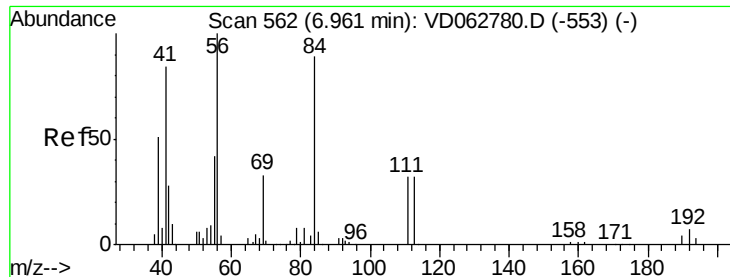
83 100

85 66.4 49.8 74.6



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

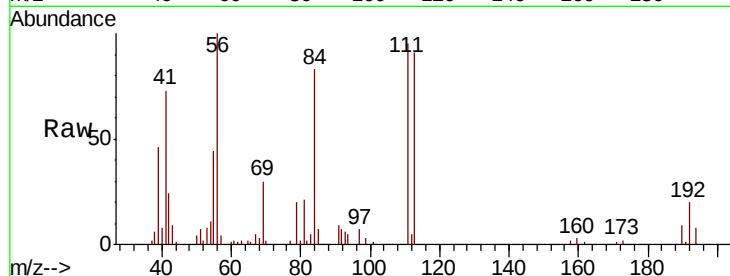




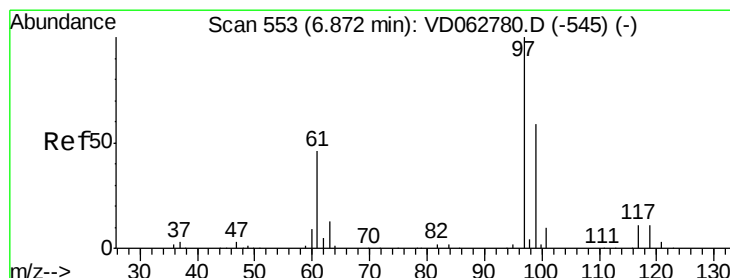
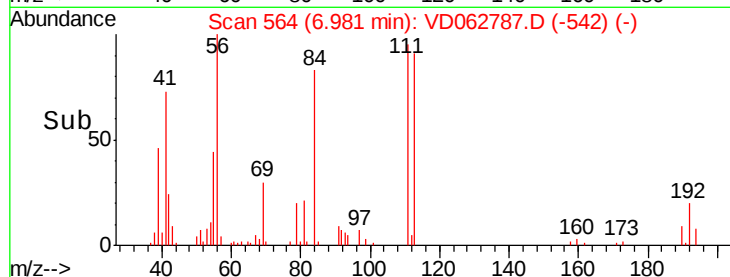
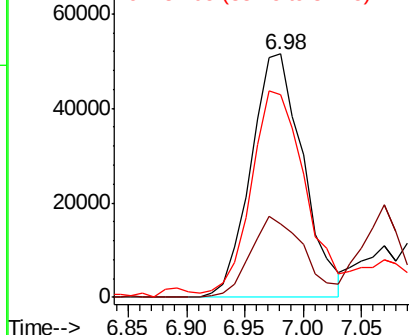
#31  
Cyclohexane  
Concen: 16.208 ug/l  
RT: 6.98 min Scan# 564  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 56 Resp: 159827  
Ion Ratio Lower Upper  
56 100  
69 30.3 26.6 39.8  
84 83.4 75.5 113.3

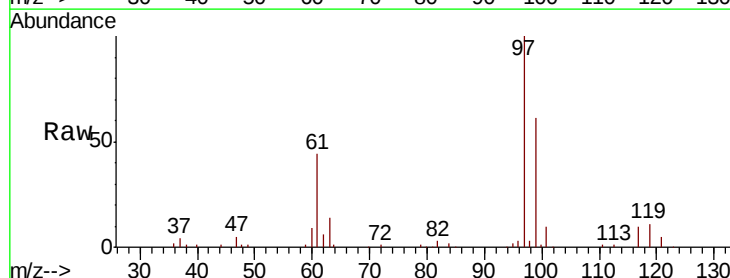


Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC

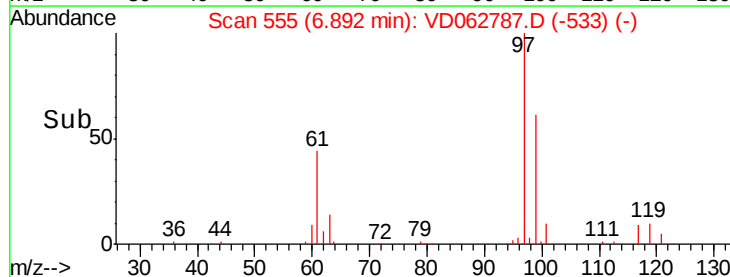
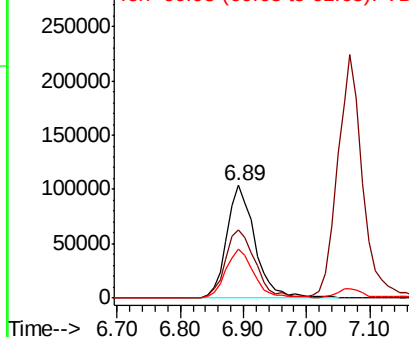


#32  
1,1,1-Trichloroethane  
Concen: 16.878 ug/l  
RT: 6.89 min Scan# 555  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion: 97 Resp: 320687  
Ion Ratio Lower Upper  
97 100  
99 60.8 47.4 71.2  
61 43.6 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

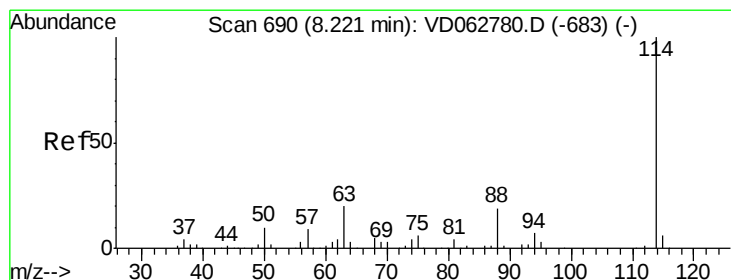
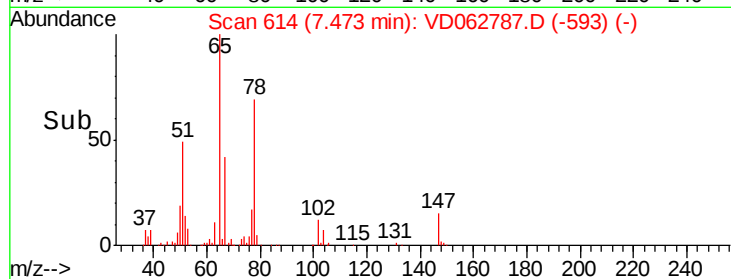
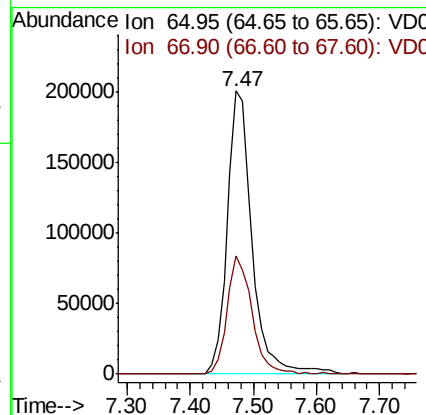
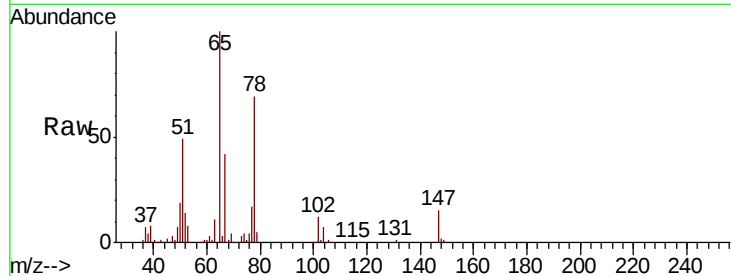




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.009 ug/l  
 RT: 7.47 min Scan# 614  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

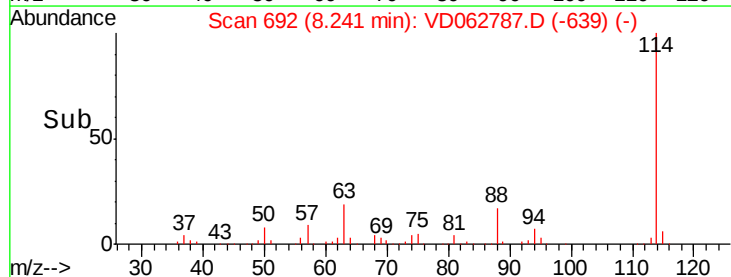
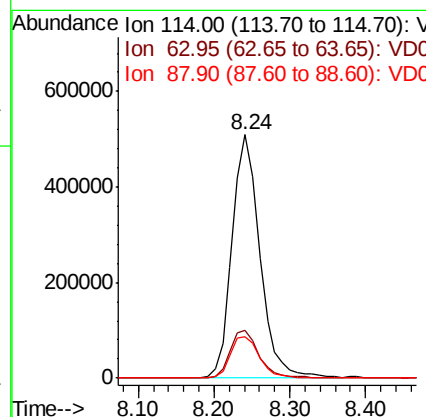
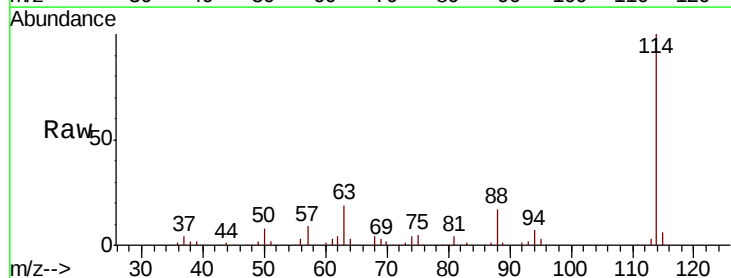
Instrument :  
 MSVOA\_D  
 ClientSampleId :

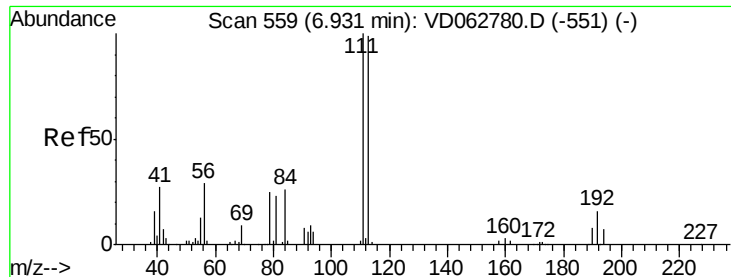
Tot Ion: 65 Resp: 546127  
 Ion Ratio Lower Upper  
 65 100  
 67 41.7 0.0 87.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.24 min Scan# 692  
 Delta R.T. 0.02 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion: 114 Resp: 1296285  
 Ion Ratio Lower Upper  
 114 100  
 63 19.4 0.0 40.0  
 88 17.2 0.0 38.8

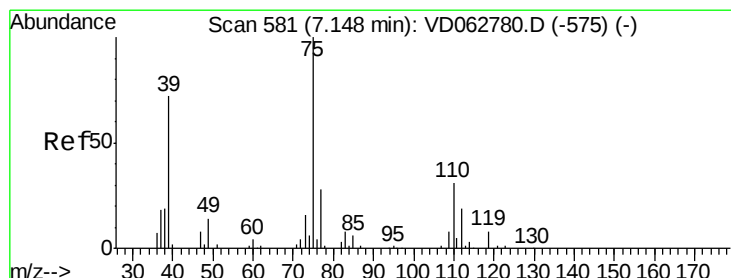
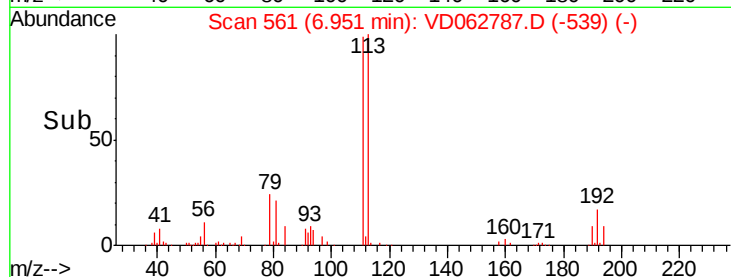
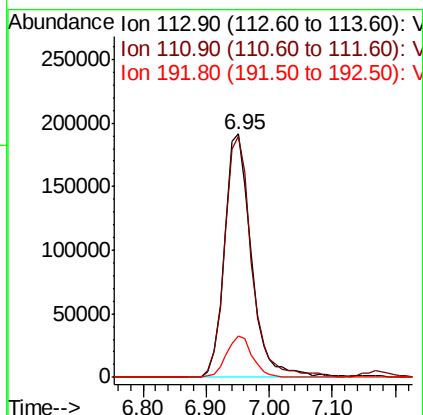
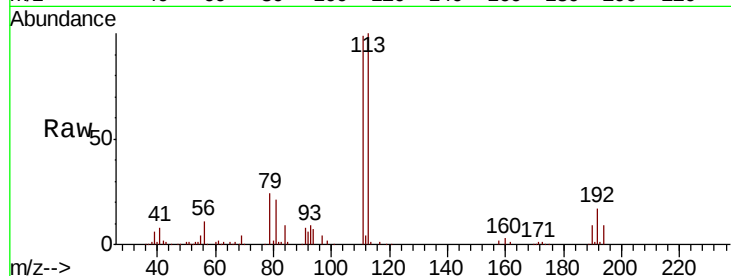




#35  
 Dibromofluoromethane  
 Concen: 51.686 ug/l  
 RT: 6.95 min Scan# 561  
 Delta R.T. 0.02 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

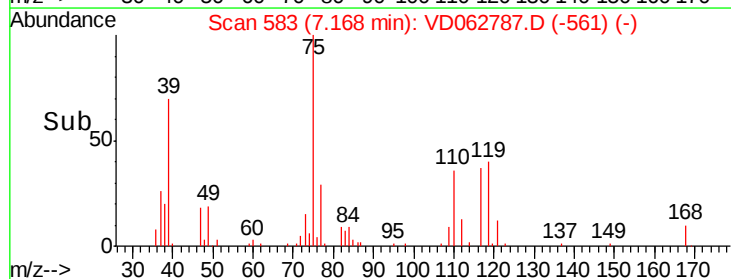
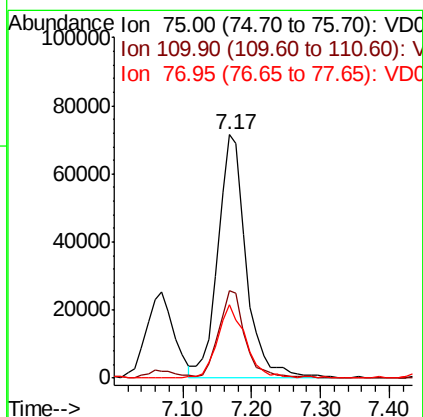
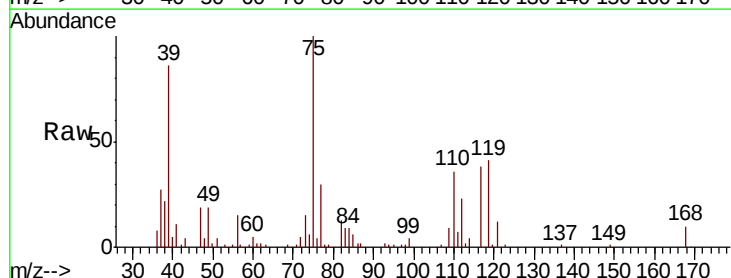
Instrument :  
 MSVOA\_D  
 ClientSampled :

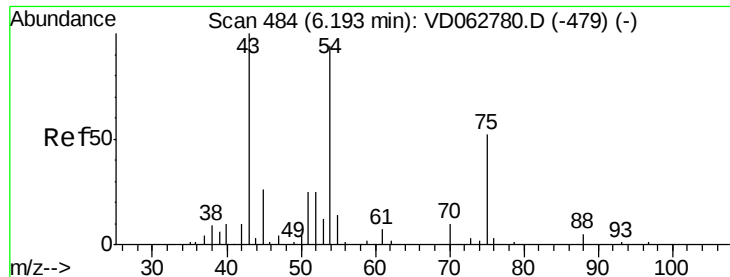
Tot Ion:113 Resp: 564944  
 Ion Ratio Lower Upper  
 113 100  
 111 99.1 81.2 121.8  
 192 16.8 12.9 19.3



#36  
 1,1-Dichloropropene  
 Concen: 16.381 ug/l  
 RT: 7.17 min Scan# 583  
 Delta R.T. 0.02 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion: 75 Resp: 201016  
 Ion Ratio Lower Upper  
 75 100  
 110 35.7 15.0 45.1  
 77 30.0 22.2 33.2





#37

Ethyl Acetate

Concen: 17.303 ug/l

RT: 6.20 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampled :

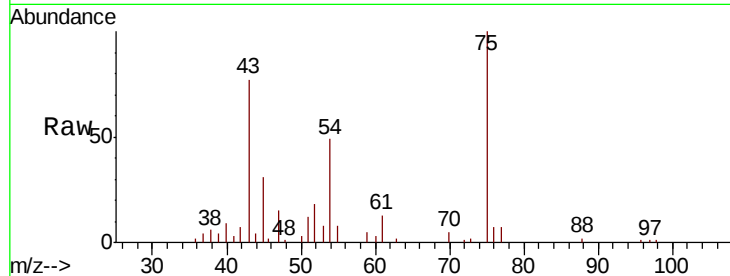
Tot Ion: 43 Resp: 92906

Ion Ratio Lower Upper

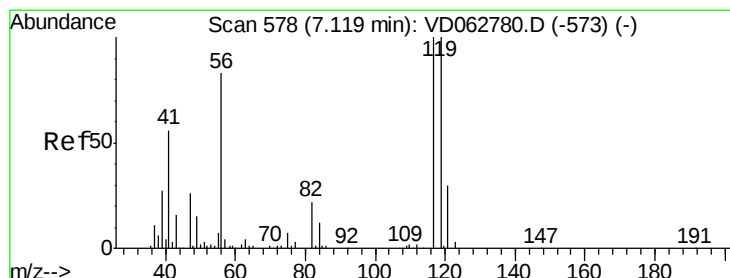
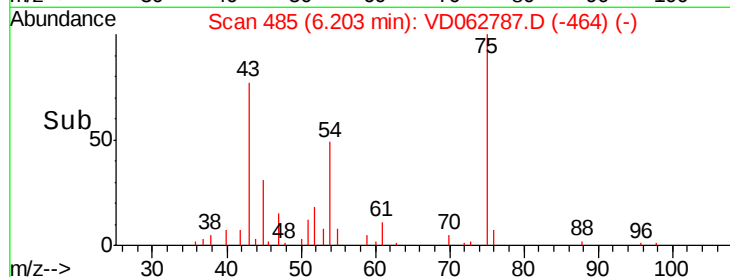
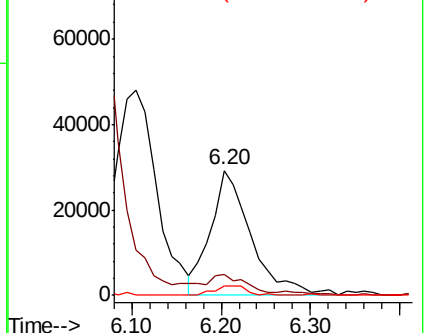
43 100

61 16.5 11.6 17.4

70 7.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VD062787.D (-479) (-)  
Ion 60.95 (60.65 to 61.65): VD062787.D (-479) (-)  
Ion 70.00 (69.70 to 70.70): VD062787.D (-479) (-)



#38

Carbon Tetrachloride

Concen: 17.047 ug/l

RT: 7.14 min Scan# 580

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

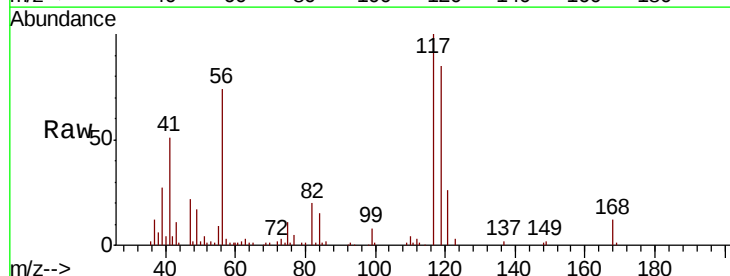
Tgt Ion: 117 Resp: 314610

Ion Ratio Lower Upper

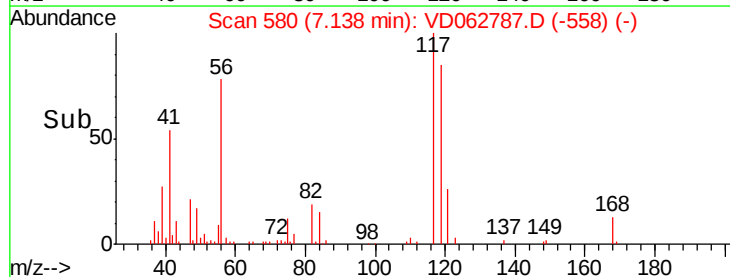
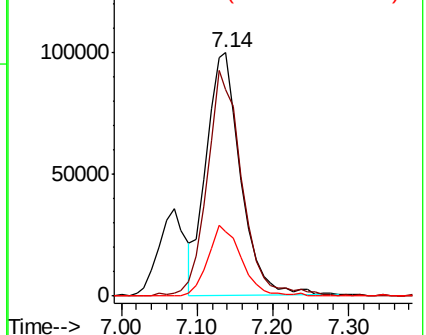
117 100

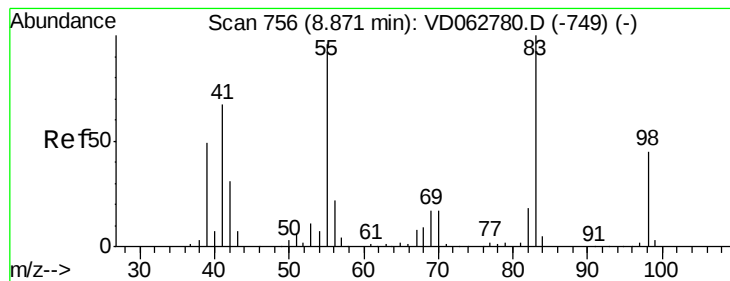
119 84.9 75.4 113.2

121 26.4 22.3 33.5



Abundance Ion 116.85 (116.55 to 117.55): VD062787.D (-558) (-)  
Ion 118.85 (118.55 to 119.55): VD062787.D (-558) (-)  
Ion 120.85 (120.55 to 121.55): VD062787.D (-558) (-)





#39

Methvlcvclohexane

Concen: 16.535 ug/l

RT: 8.89 min Scan# 758

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampled :

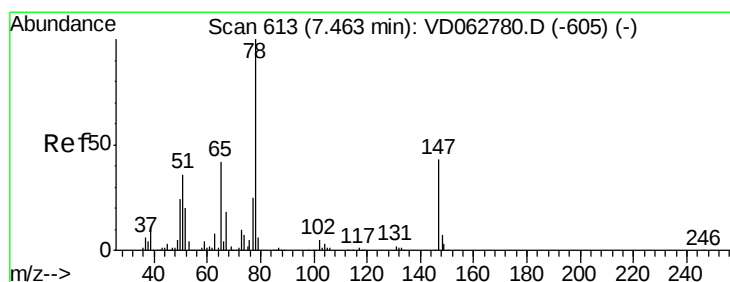
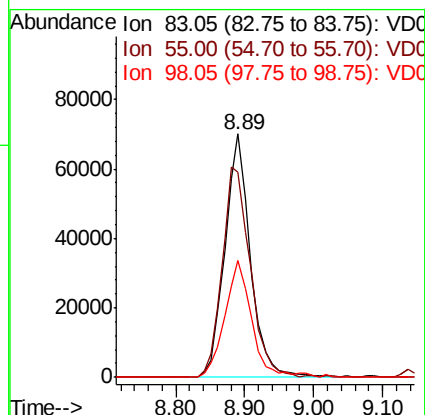
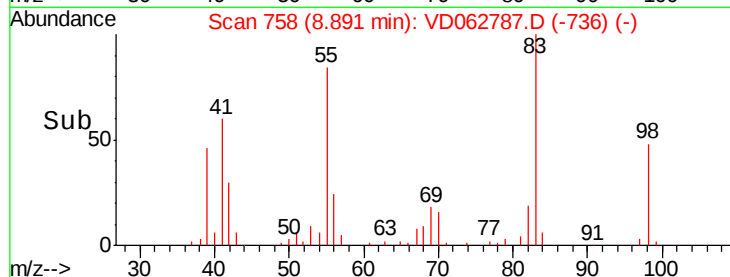
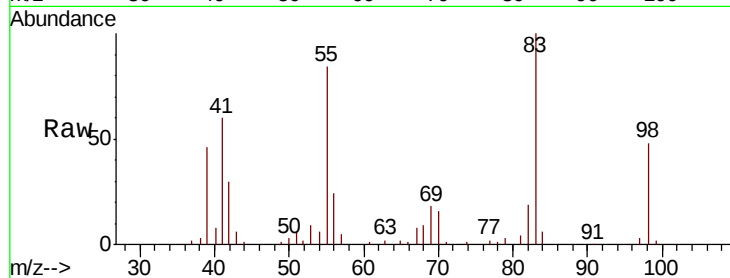
Tot Ion: 83 Resp: 178603

Ion Ratio Lower Upper

83 100

55 84.1 76.6 115.0

98 47.8 35.7 53.5



#40

Benzene

Concen: 16.924 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD062787.D

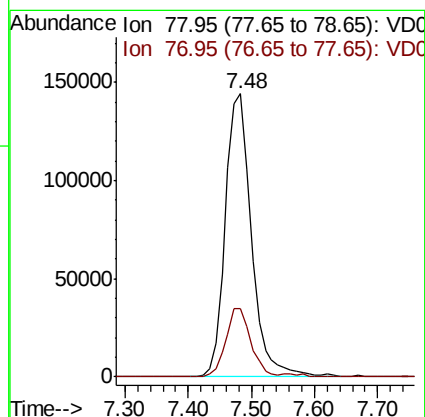
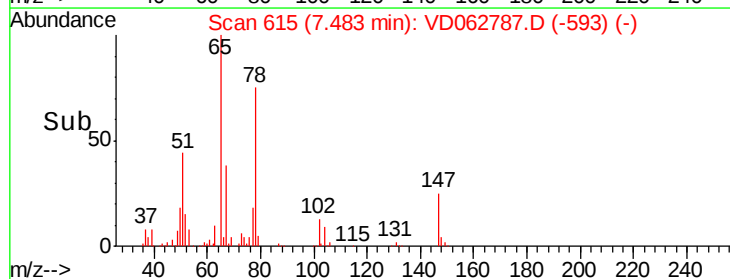
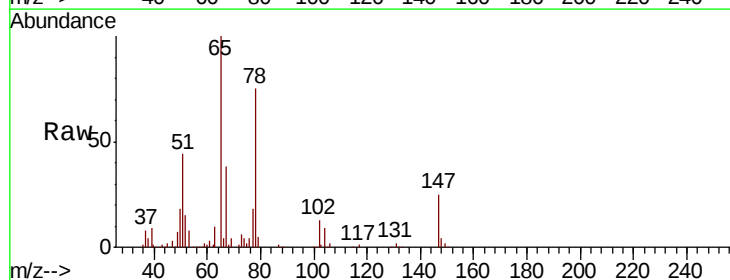
Acq: 20 Jun 2019 12:10

Tgt Ion: 78 Resp: 416865

Ion Ratio Lower Upper

78 100

77 24.3 20.2 30.2





#41

Methacrylonitrile

Concen: 16.297 ug/l

RT: 6.48 min Scan# 513

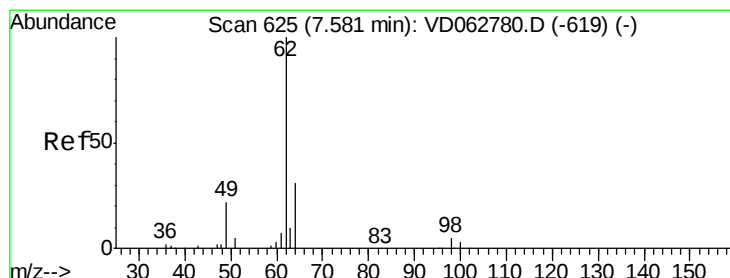
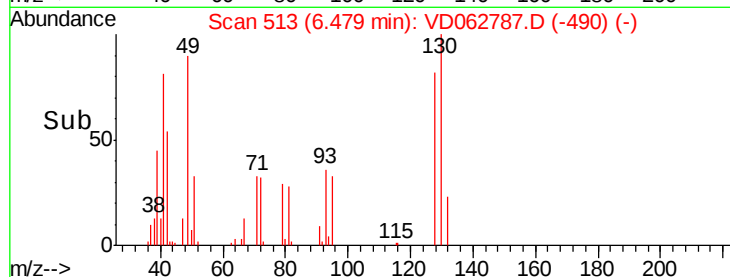
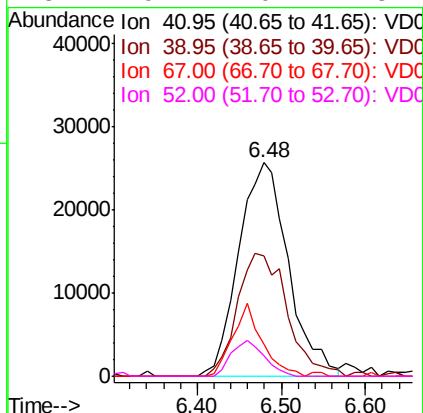
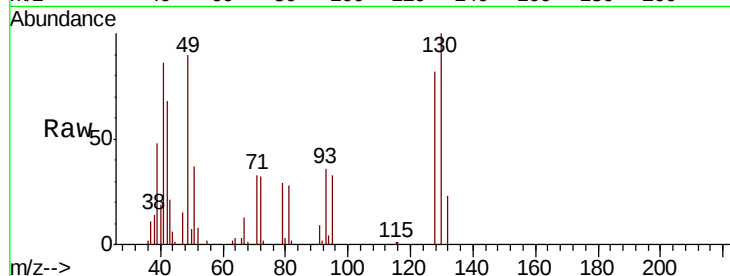
Delta R.T. 0.03 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 105463 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 56.2  | 43.2  | 64.8   |
| 67       | 15.1  | 19.9  | 29.9#  |
| 52       | 9.7   | 10.2  | 15.4#  |



#42

1,2-Dichloroethane

Concen: 17.039 ug/l

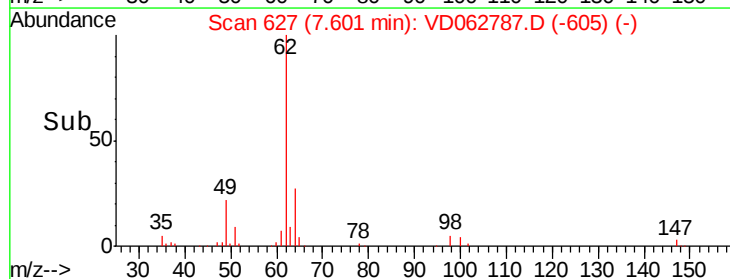
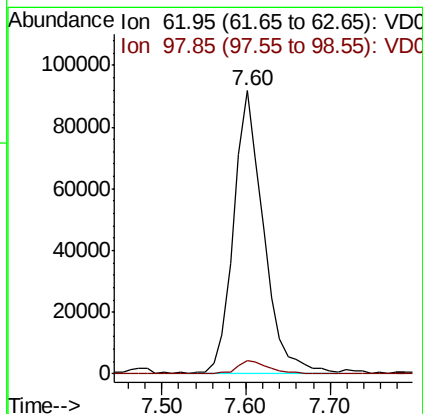
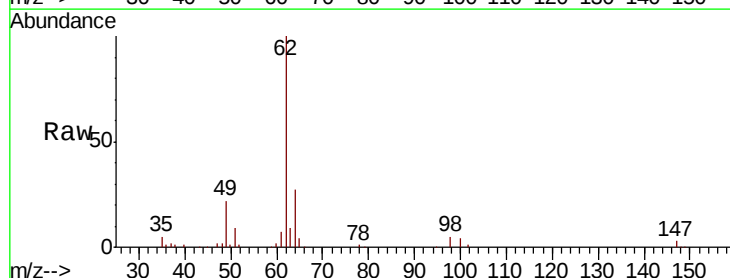
RT: 7.60 min Scan# 627

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 228964 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 4.7   | 0.0   | 10.0   |



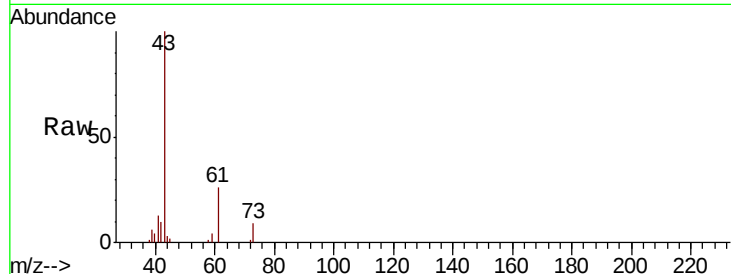


#43

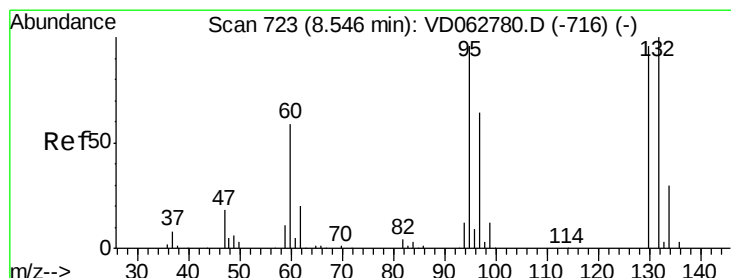
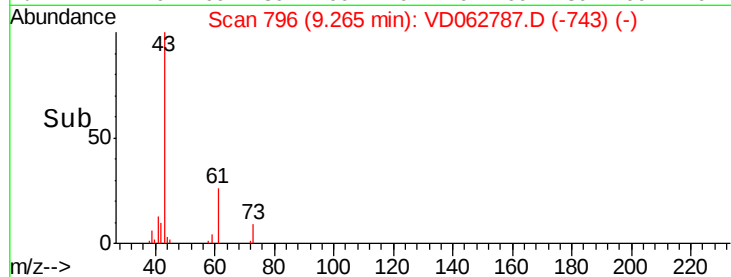
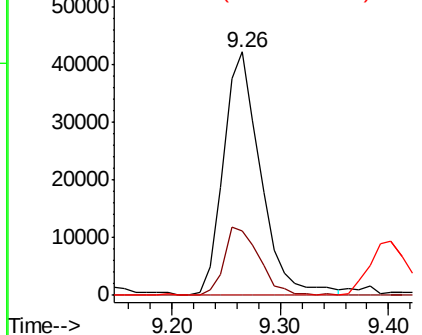
Isopropyl Acetate  
 Concen: 15.724 ug/l  
 RT: 9.26 min Scan# 796  
 Delta R.T. 0.02 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Instrument :  
 MSVOA\_D  
 ClientSampled :

Tot Ion: 43 Resp: 101159  
 Ion Ratio Lower Upper  
 43 100  
 61 26.5 22.4 33.6  
 87 0.0 0.3 0.5#



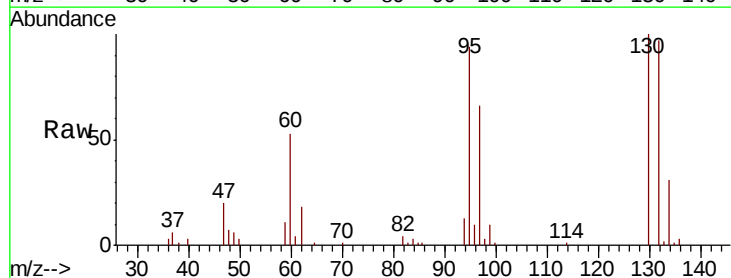
Abundance Ion 42.95 (42.65 to 43.65): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 87.00 (86.70 to 87.70): VDC



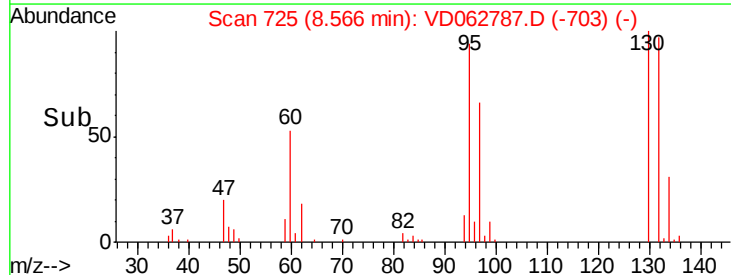
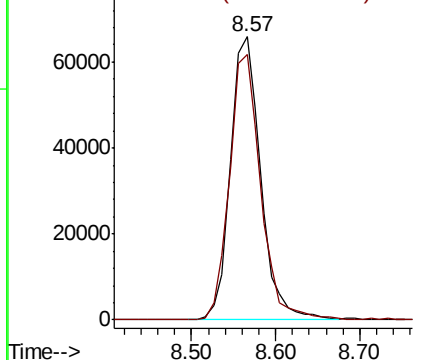
#44

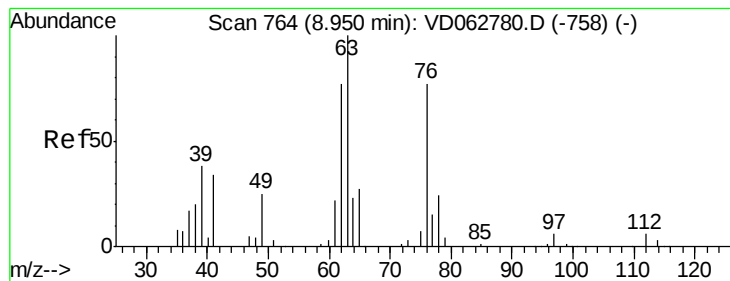
Trichloroethene  
 Concen: 17.030 ug/l  
 RT: 8.57 min Scan# 725  
 Delta R.T. 0.02 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion:130 Resp: 164456  
 Ion Ratio Lower Upper  
 130 100  
 95 93.7 0.0 201.6



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





#45

1,2-Dichloropropane

Concen: 14.429 ug/l

RT: 8.96 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

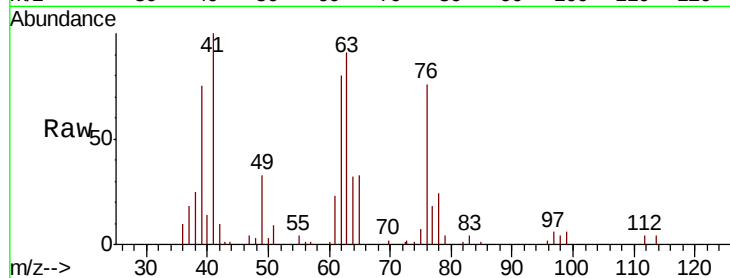
ClientSampleId :

Tot Ion: 63 Resp: 88376

Ion Ratio Lower Upper

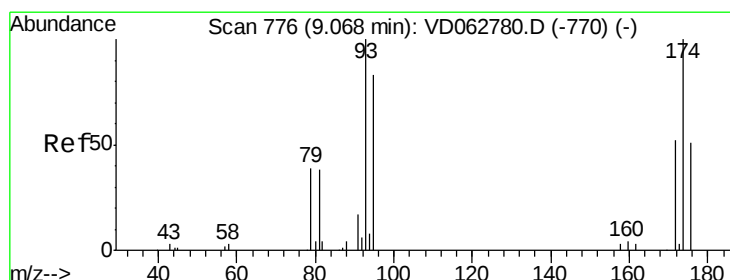
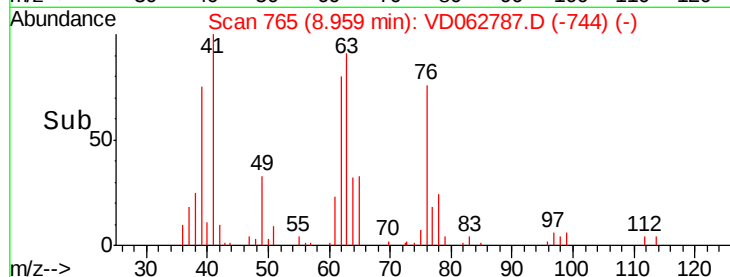
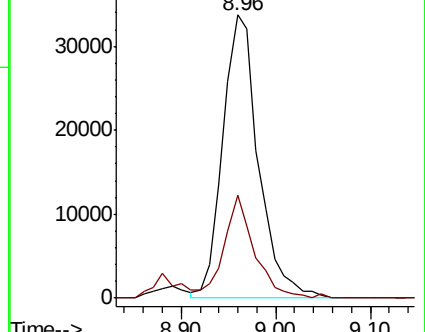
63 100

65 36.5 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: 17.165 ug/l

RT: 9.09 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

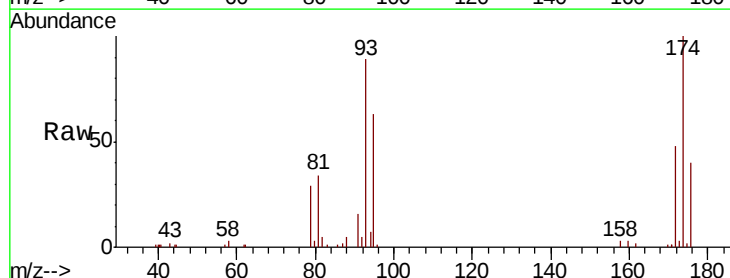
Tgt Ion: 93 Resp: 90309

Ion Ratio Lower Upper

93 100

95 70.7 66.6 100.0

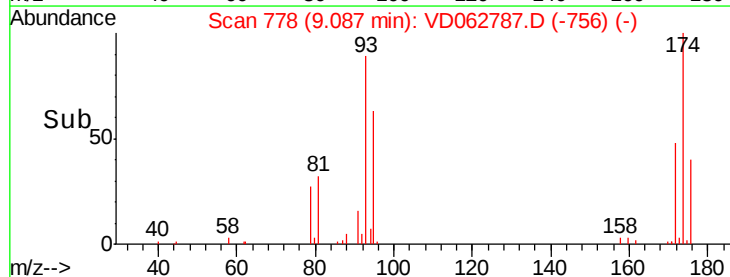
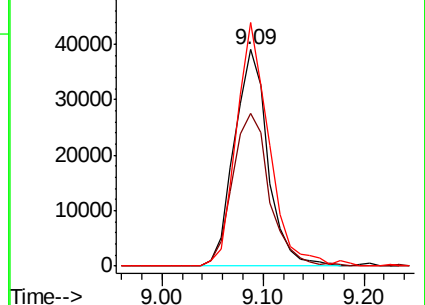
174 112.6 79.7 119.5



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: 16.306 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

ClientSampleId :

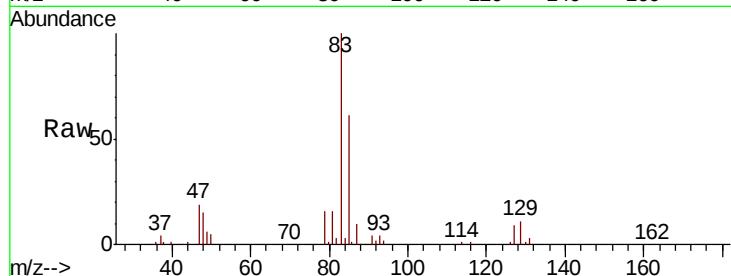
Tot Ion: 83 Resp: 222807

Ion Ratio Lower Upper

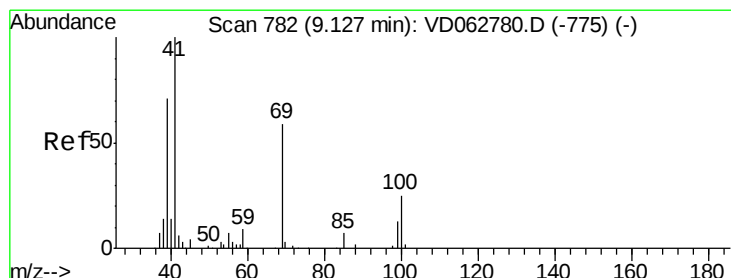
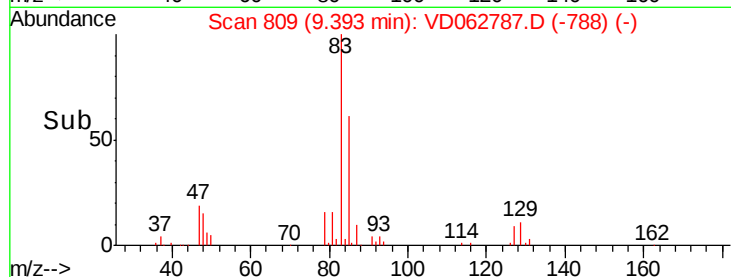
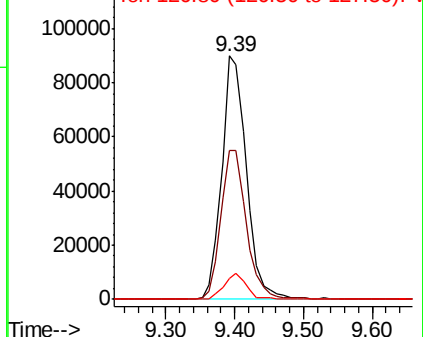
83 100

85 61.0 51.6 77.4

127 8.6 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: 17.001 ug/l

RT: 9.14 min Scan# 783

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

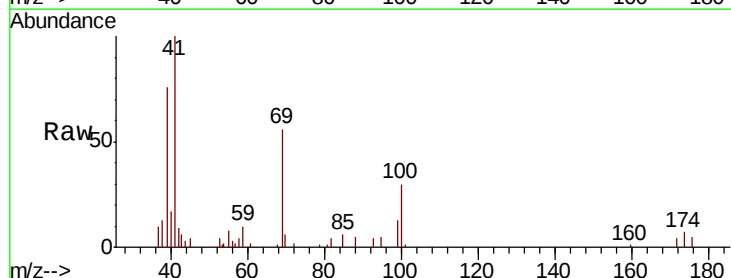
Tgt Ion: 41 Resp: 77725

Ion Ratio Lower Upper

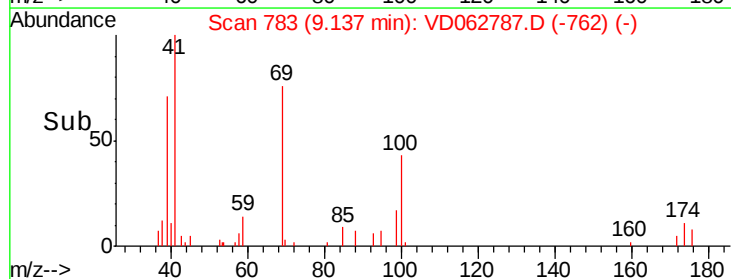
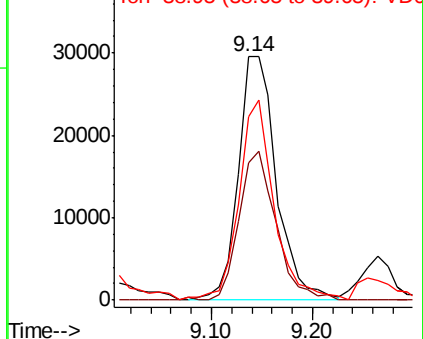
41 100

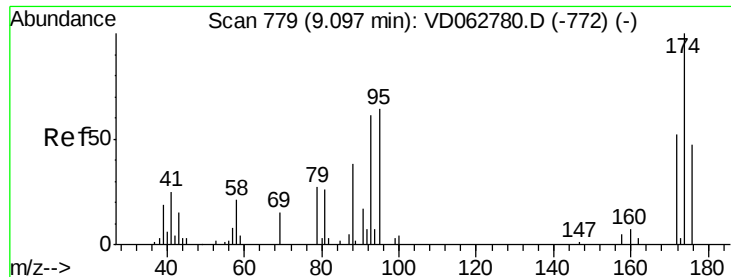
69 56.4 47.2 70.8

39 75.5 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

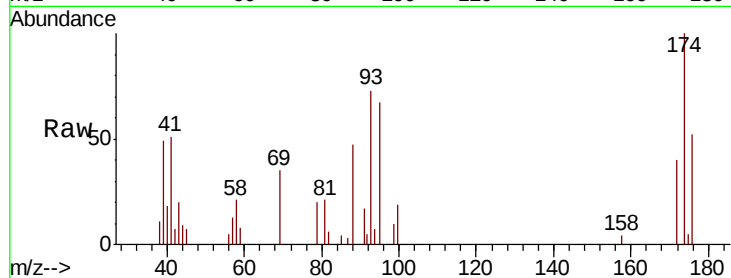




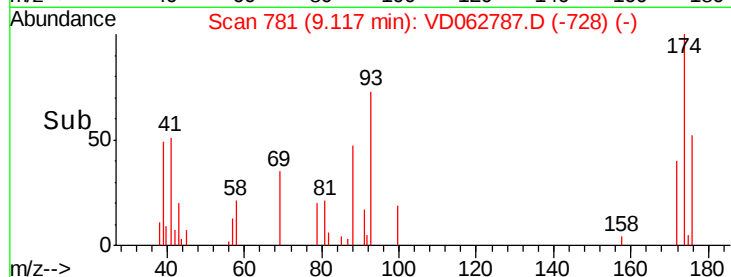
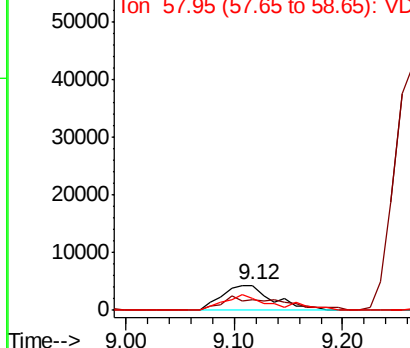
#49  
1,4-Dioxane  
Concen: 370.261 ug/l  
RT: 9.12 min Scan# 781  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 88 Resp: 14083  
Ion Ratio Lower Upper  
88 100  
43 43.4 32.1 48.1  
58 44.9 44.1 66.1

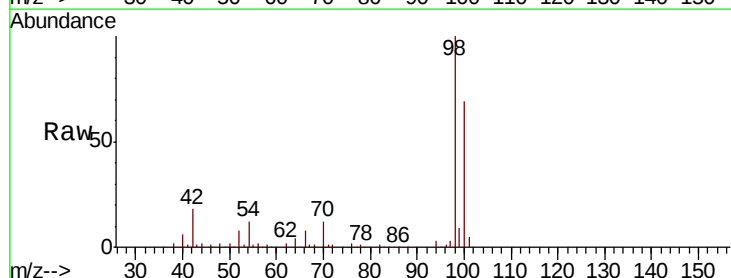


Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 57.95 (57.65 to 58.65): VDC

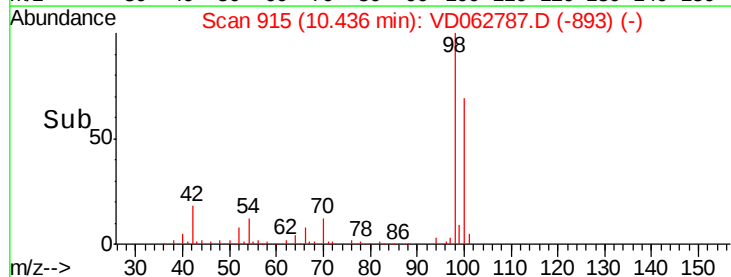
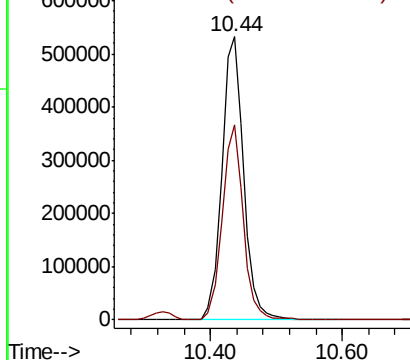


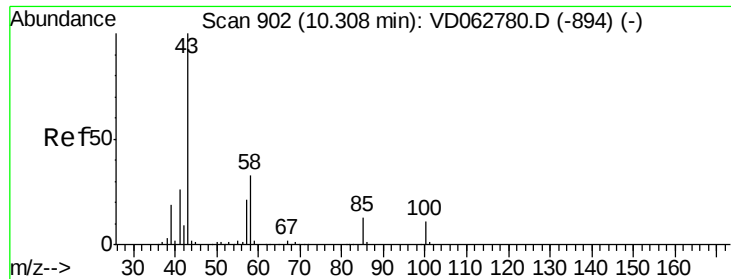
#50  
Toluene-d8  
Concen: 51.347 ug/l  
RT: 10.44 min Scan# 915  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion: 98 Resp: 1221511  
Ion Ratio Lower Upper  
98 100  
100 68.8 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: 78.551 ug/l

RT: 10.32 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

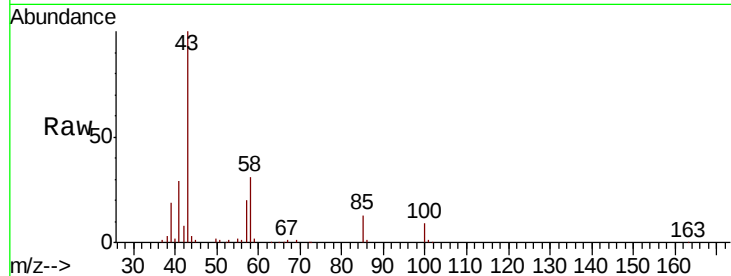
ClientSampleId :

Tot Ion: 43 Resp: 358289

Ion Ratio Lower Upper

43 100

58 30.6 26.6 40.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

150000

10.32

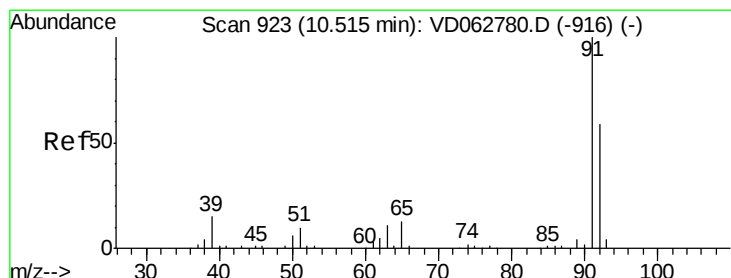
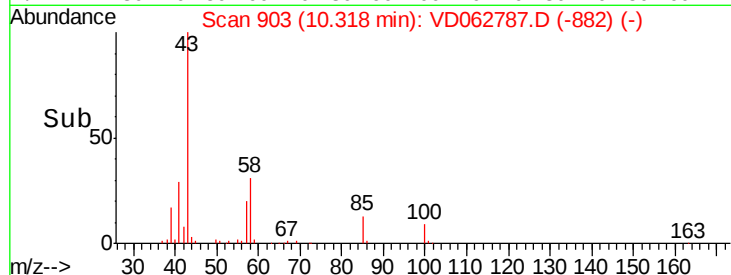
100000

50000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 17.378 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD062787.D

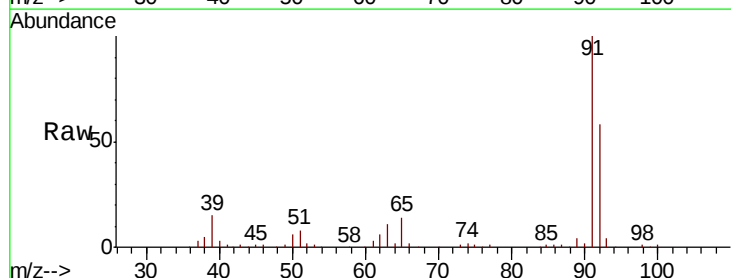
Acq: 20 Jun 2019 12:10

Tgt Ion: 92 Resp: 287747

Ion Ratio Lower Upper

92 100

91 173.2 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

150000

10.53

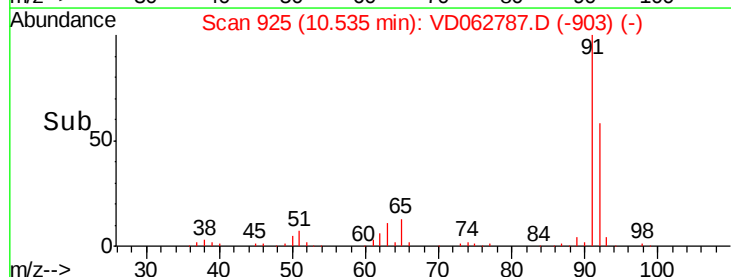
100000

50000

0

Time-->

10.40 10.50 10.60

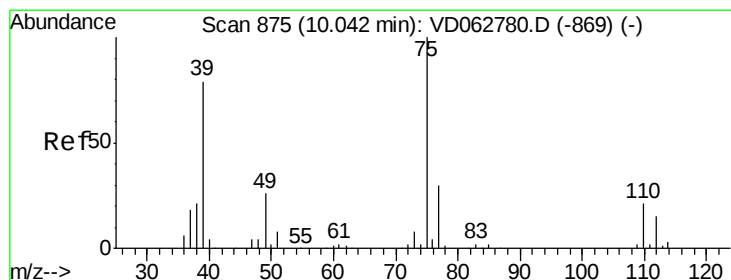
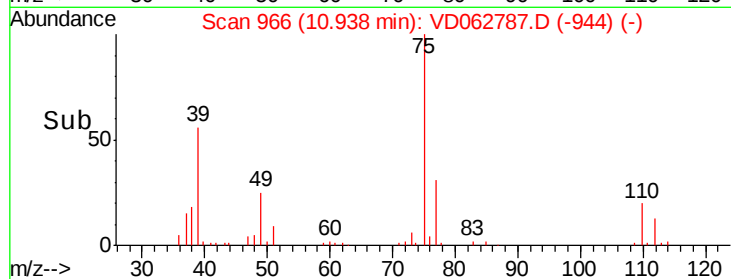
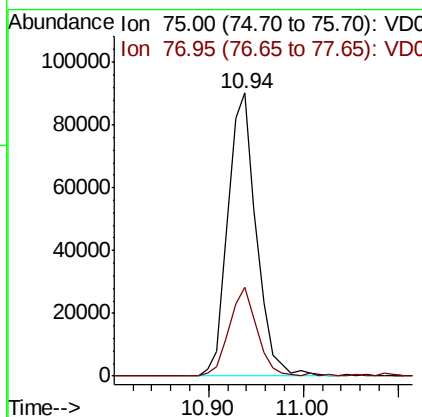
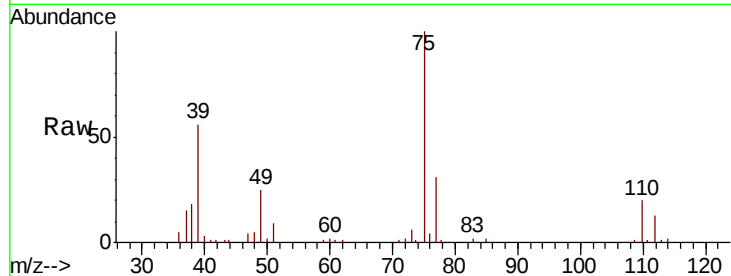




#53  
 t-1,3-Dichloropropene  
 Concen: 16.719 ug/l  
 RT: 10.94 min Scan# 966  
 Delta R.T. 0.02 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

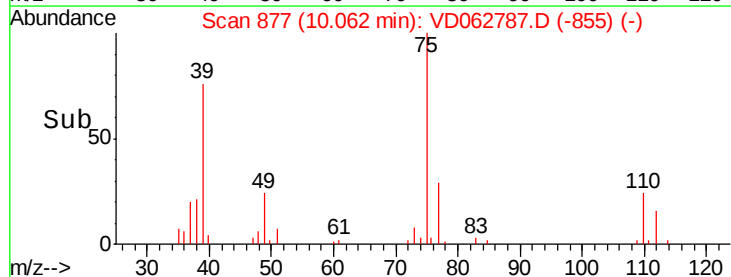
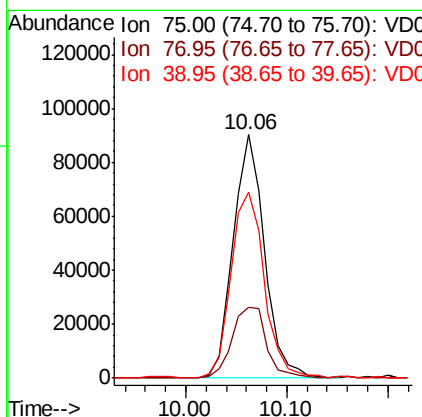
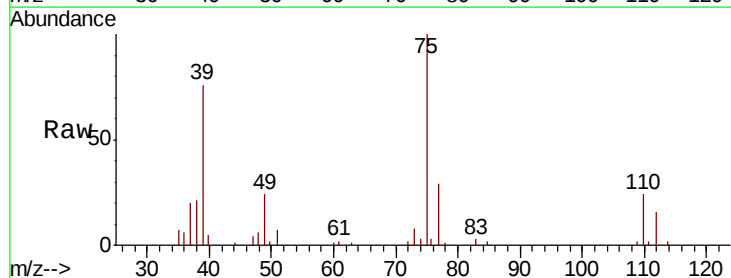
Instrument :  
 MSVOA\_D  
 ClientSampled :

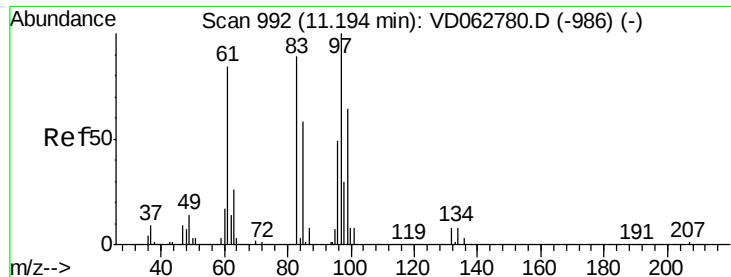
Tot Ion: 75 Resp: 186991  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 23.2 34.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 16.057 ug/l  
 RT: 10.06 min Scan# 877  
 Delta R.T. 0.02 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion: 75 Resp: 195189  
 Ion Ratio Lower Upper  
 75 100  
 77 29.0 24.2 36.2  
 39 76.3 63.5 95.3





#55

1,1,2-Trichloroethane

Concen: 16.852 ug/l

RT: 11.21 min Scan# 994

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 97 Resp: 95866

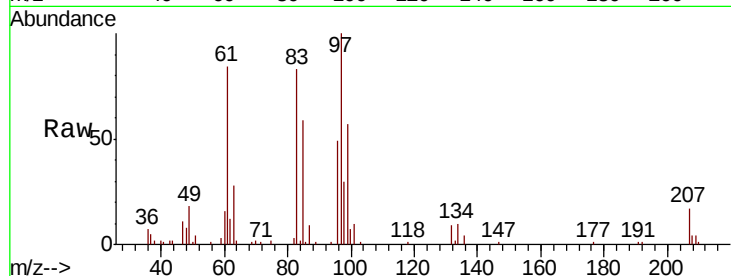
Ion Ratio Lower Upper

97 100

83 82.5 71.0 106.4

85 59.4 46.6 69.8

99 57.4 51.4 77.0

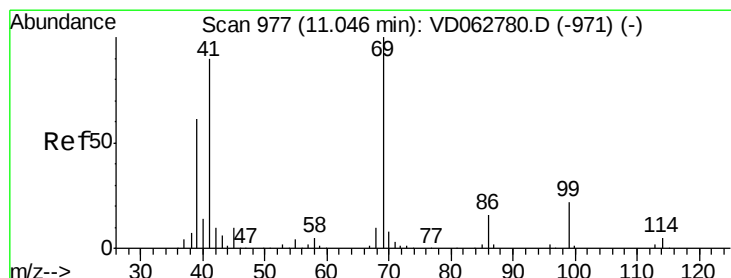
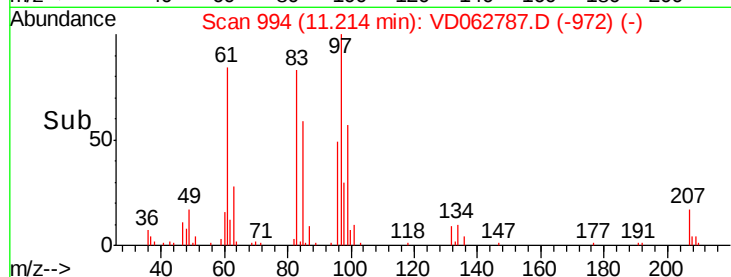
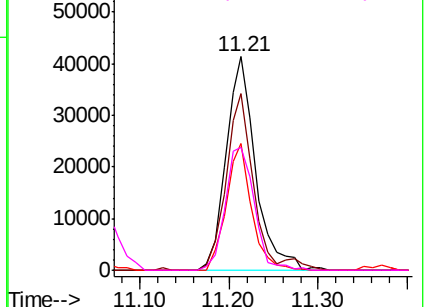


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 16.341 ug/l

RT: 11.07 min Scan# 979

Delta R.T. 0.02 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

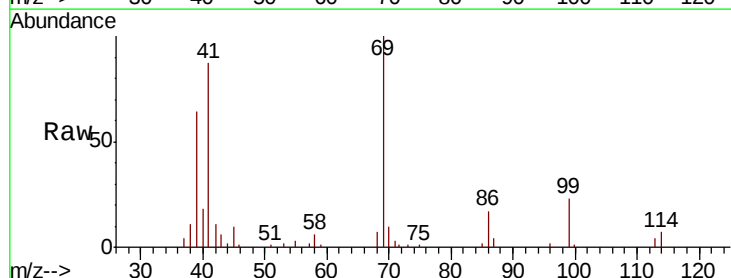
Tgt Ion: 69 Resp: 99341

Ion Ratio Lower Upper

69 100

41 86.5 72.0 108.0

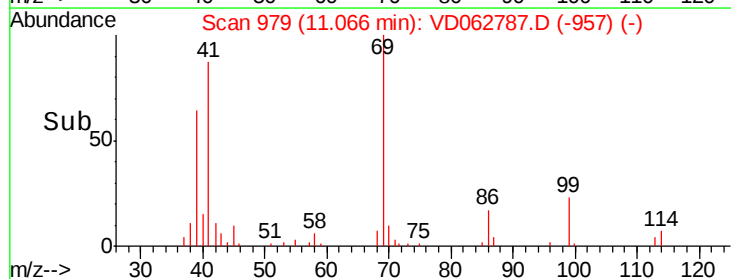
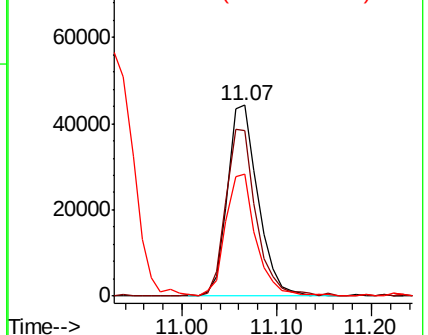
39 63.5 49.5 74.3

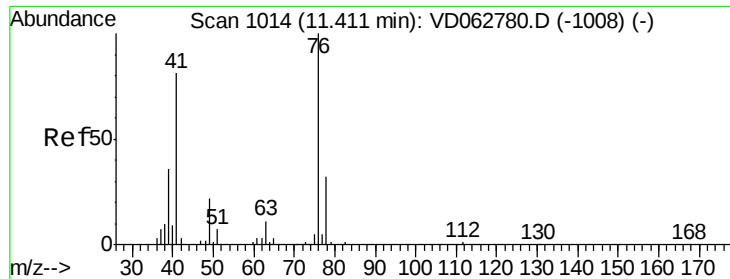


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

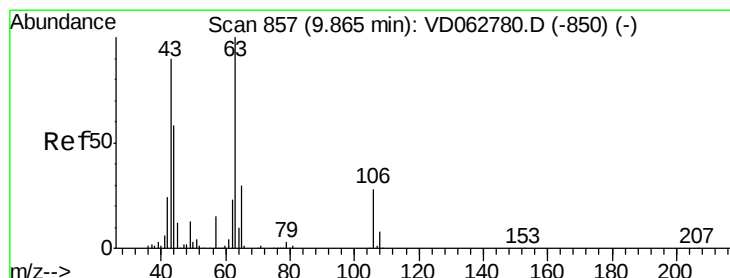
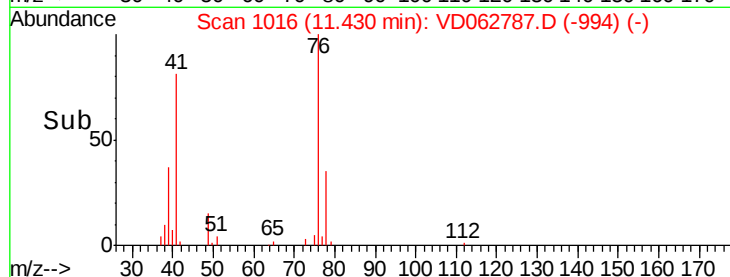
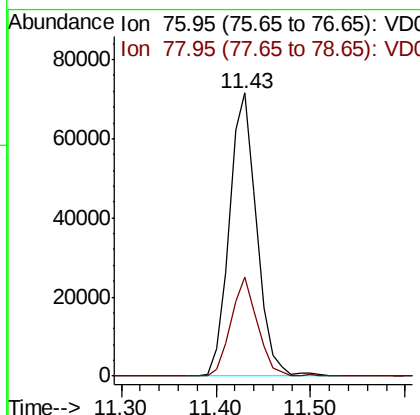
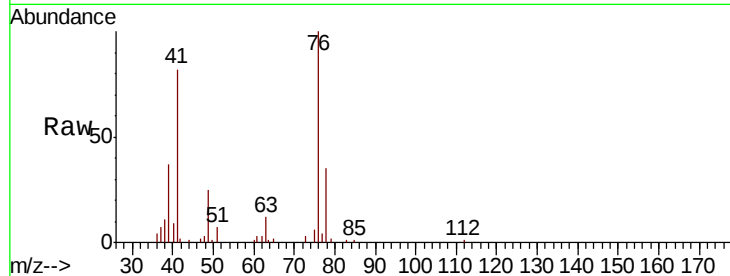




#57  
 1,3-Dichloropropane  
 Concen: 16.409 ug/l  
 RT: 11.43 min Scan# 1016  
 Delta R.T. 0.02 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

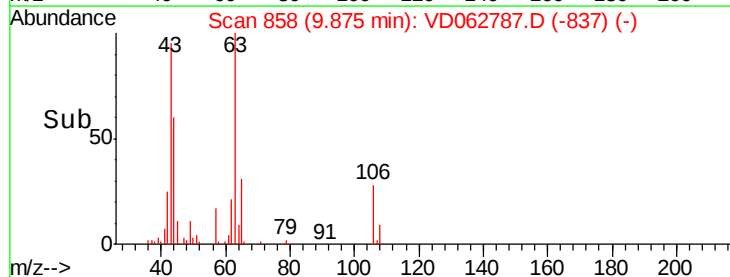
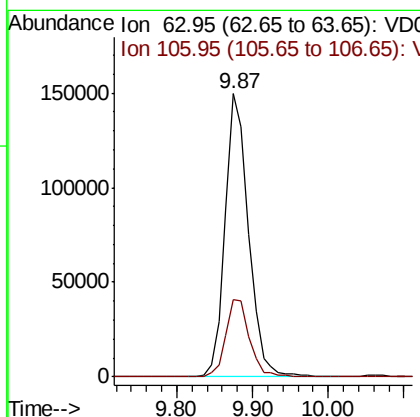
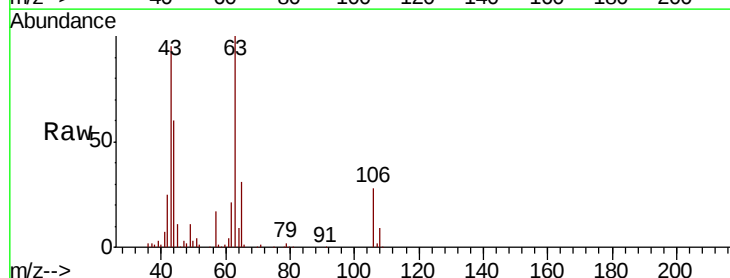
Instrument :  
 MSVOA\_D  
 ClientSampled :

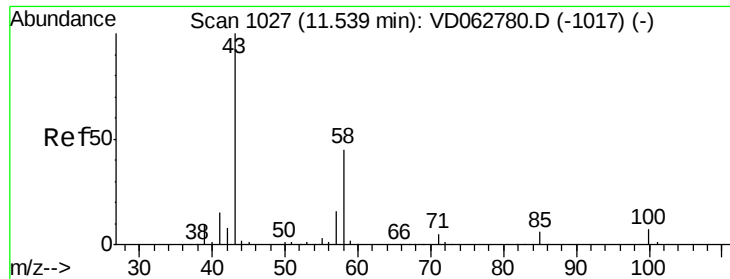
Tot Ion: 76 Resp: 142921  
 Ion Ratio Lower Upper  
 76 100  
 78 34.8 25.4 38.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 102.335 ug/l  
 RT: 9.87 min Scan# 858  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion: 63 Resp: 319391  
 Ion Ratio Lower Upper  
 63 100  
 106 27.5 22.1 33.1

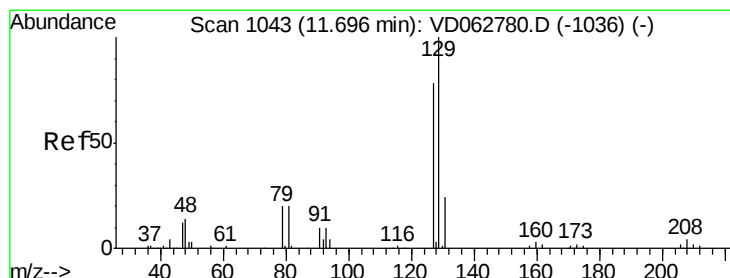
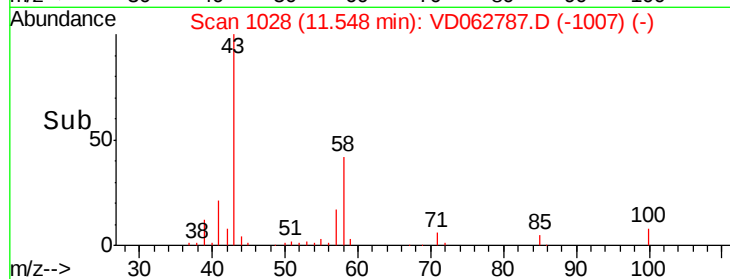
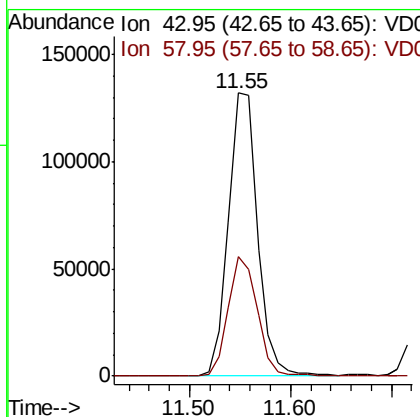
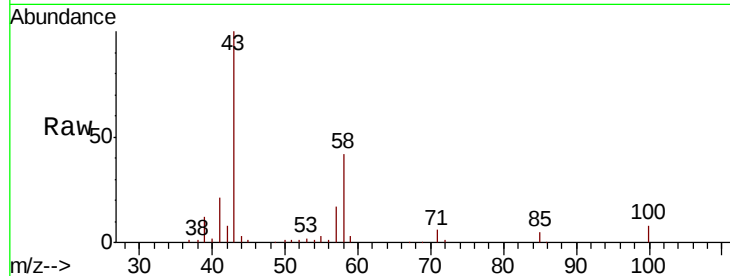




#59  
2-Hexanone  
Concen: 81.853 ug/l  
RT: 11.55 min Scan# 1028  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

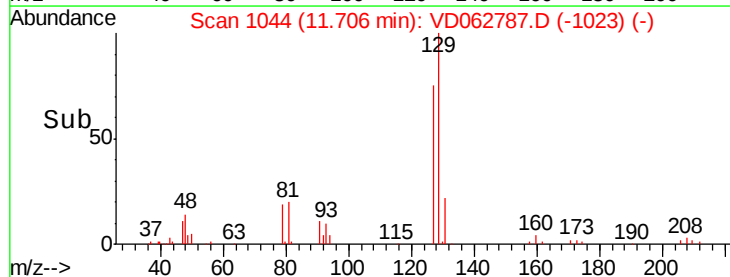
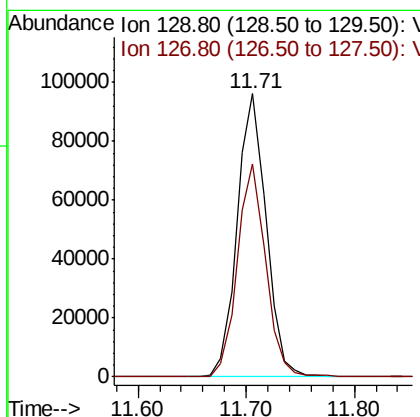
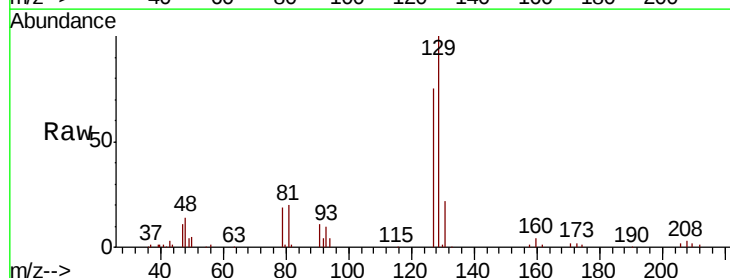
Instrument :  
MSVOA\_D  
ClientSampled :

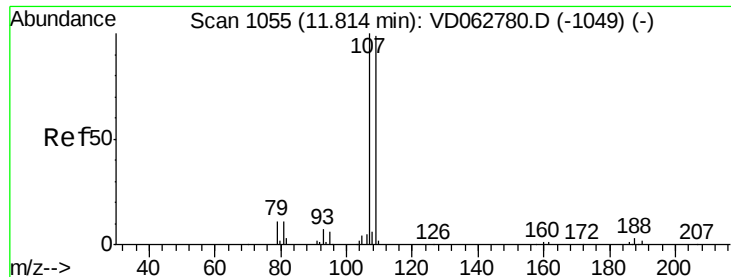
Tot Ion: 43 Resp: 265896  
Ion Ratio Lower Upper  
43 100  
58 42.3 22.4 67.2



#60  
Dibromochloromethane  
Concen: 16.890 ug/l  
RT: 11.71 min Scan# 1044  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion: 129 Resp: 178960  
Ion Ratio Lower Upper  
129 100  
127 75.4 38.9 116.6





#61

1,2-Dibromoethane

Concen: 16.552 ug/l

RT: 11.82 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

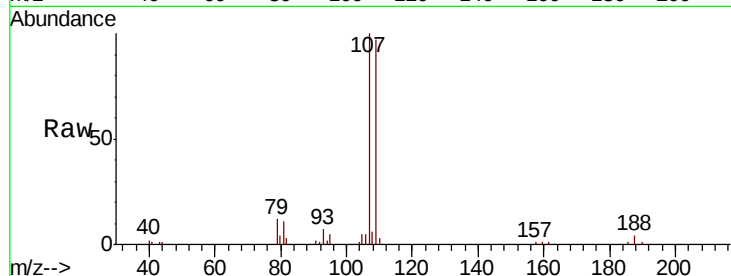
ClientSampleId :

Tot Ion:107 Resp: 111202

Ion Ratio Lower Upper

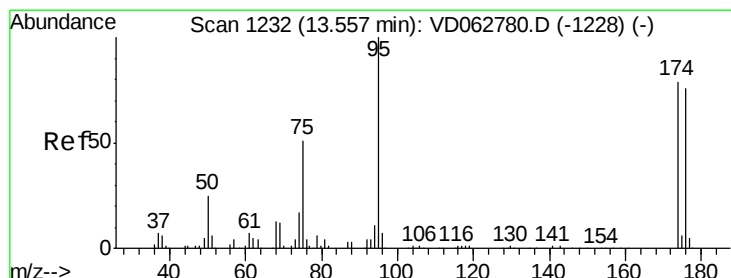
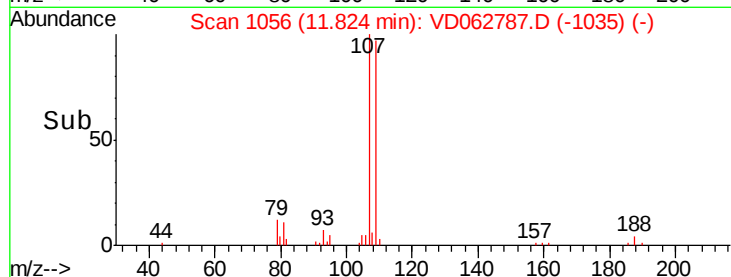
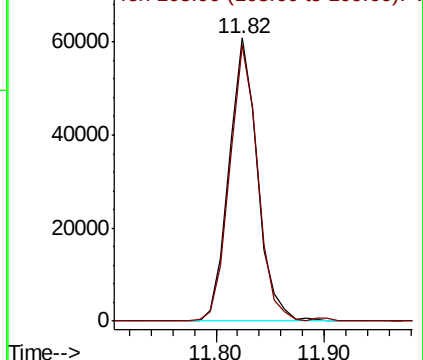
107 100

109 97.3 79.3 118.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.482 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

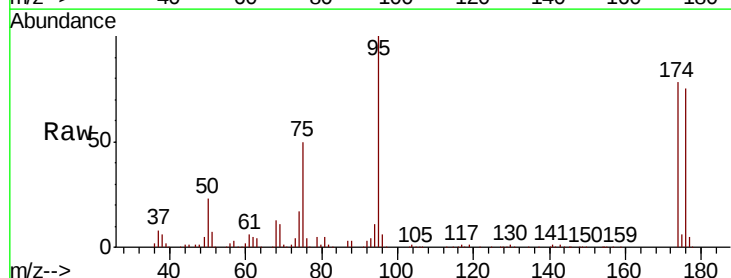
Tgt Ion: 95 Resp: 546075

Ion Ratio Lower Upper

95 100

174 78.3 0.0 158.0

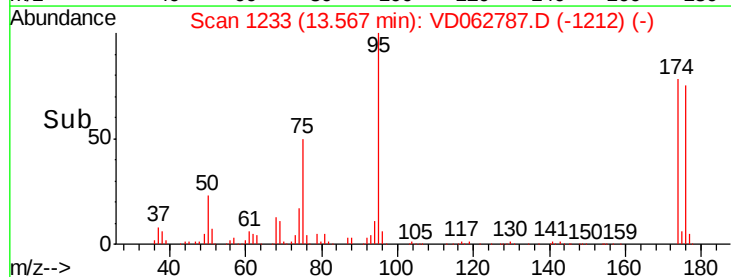
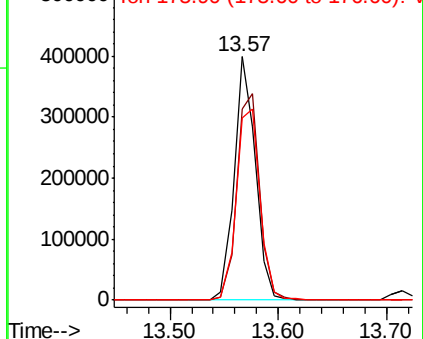
176 74.8 0.0 151.6

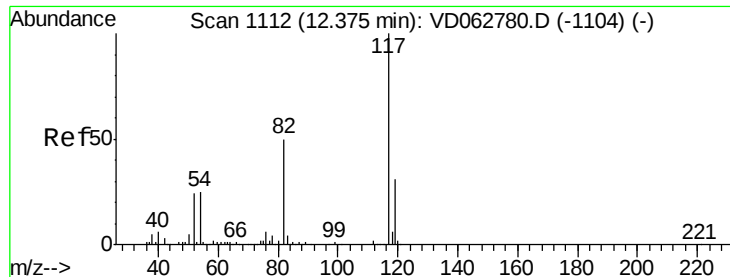


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

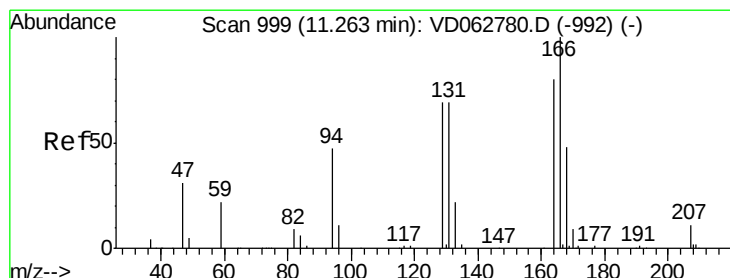
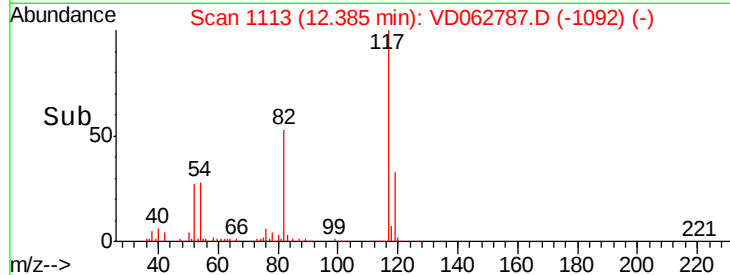
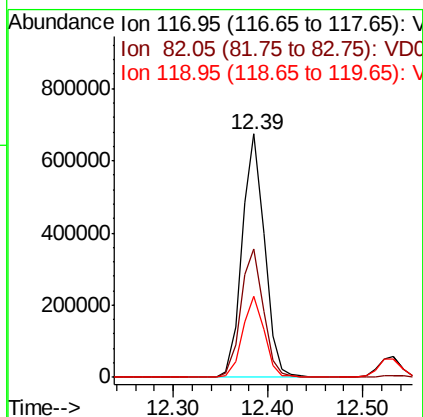
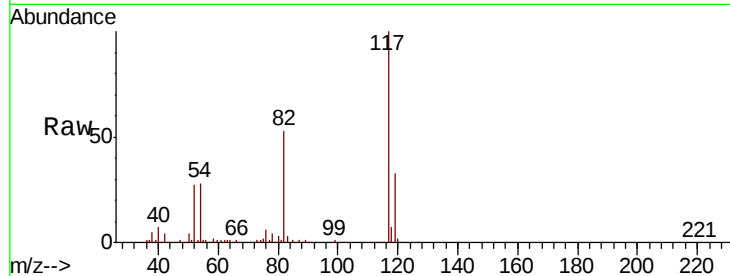




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.39 min Scan# 1113  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

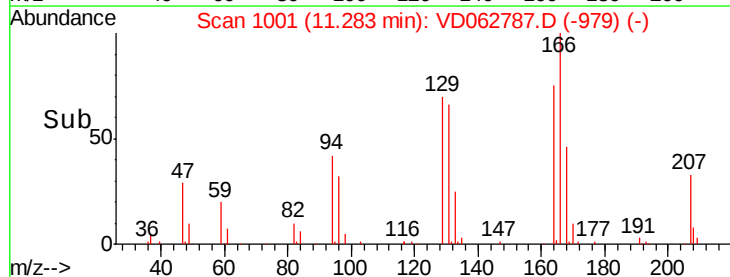
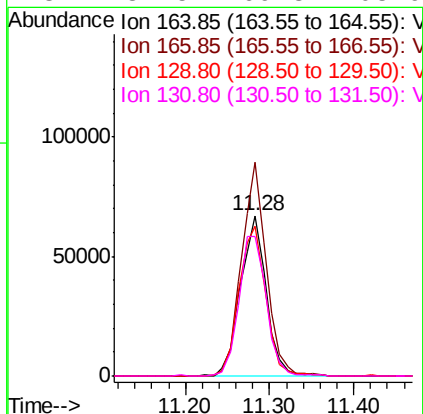
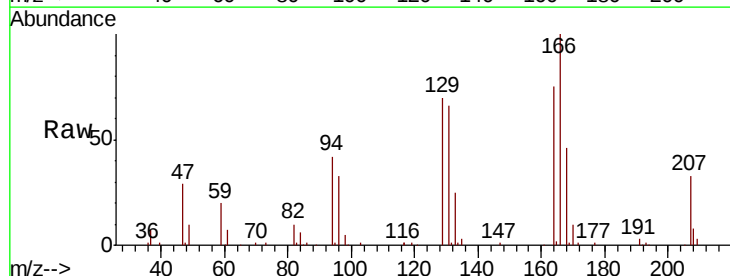
Instrument :  
MSVOA\_D  
ClientSampleId :

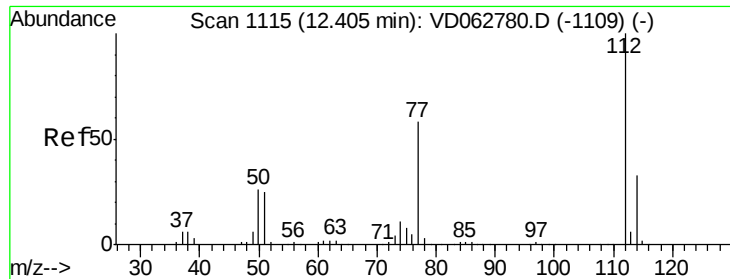
Tot Ion:117 Resp: 1100518  
Ion Ratio Lower Upper  
117 100  
82 52.9 40.4 60.6  
119 33.3 25.2 37.8



#64  
Tetrachloroethene  
Concen: 15.786 ug/l  
RT: 11.28 min Scan# 1001  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion:164 Resp: 142982  
Ion Ratio Lower Upper  
164 100  
166 133.4 100.6 150.8  
129 93.4 69.4 104.0  
131 87.5 69.3 103.9

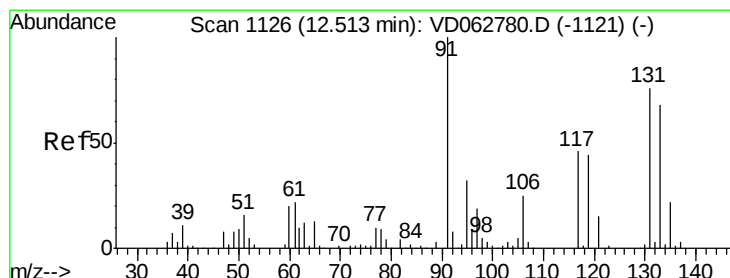
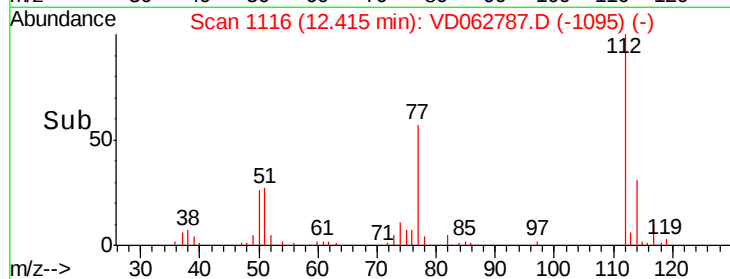
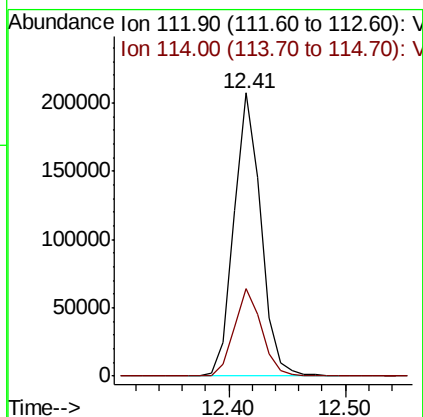
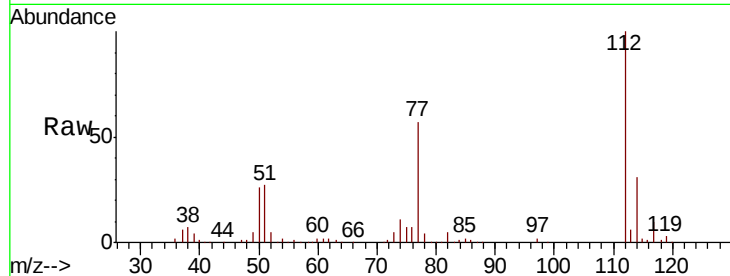




#65  
Chlorobenzene  
Concen: 16.211 ug/l  
RT: 12.41 min Scan# 1116  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

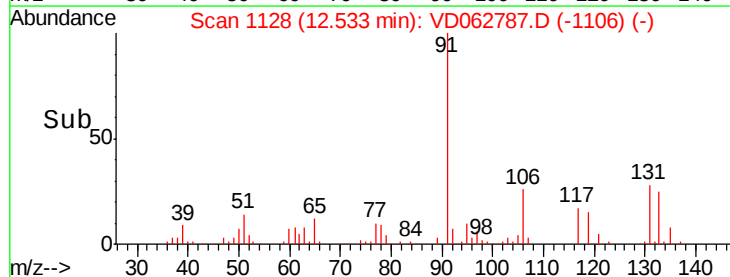
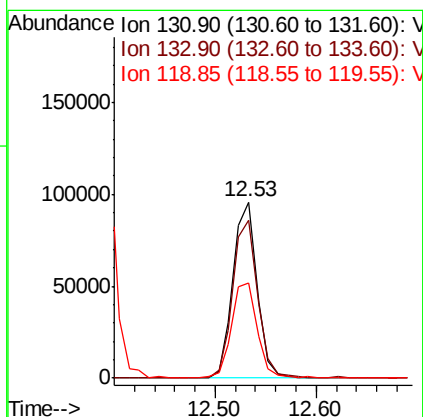
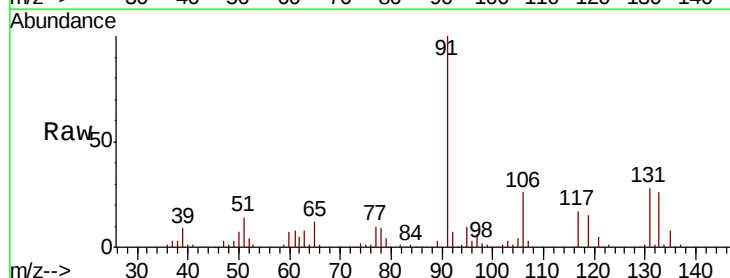
Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:112 Resp: 331108  
Ion Ratio Lower Upper  
112 100  
114 30.8 26.3 39.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 16.557 ug/l  
RT: 12.53 min Scan# 1128  
Delta R.T. 0.02 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion:131 Resp: 158151  
Ion Ratio Lower Upper  
131 100  
133 89.7 44.5 133.3  
119 54.2 28.6 85.9

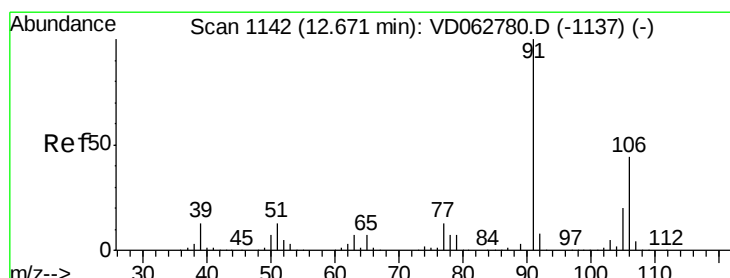
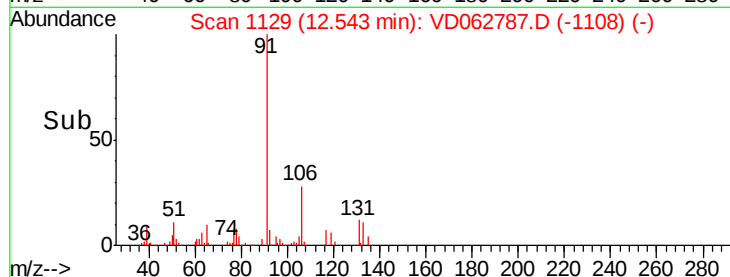
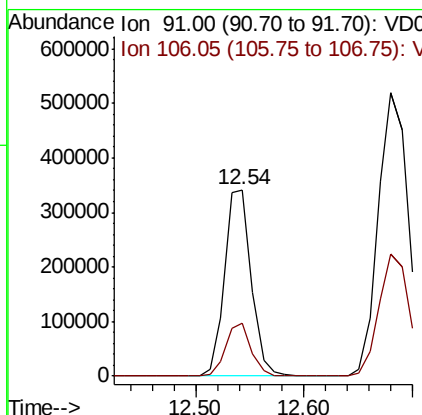
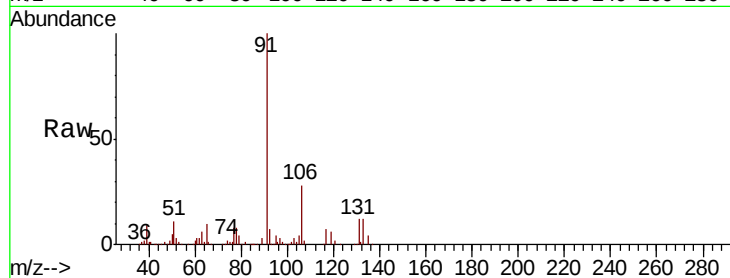




#67  
Ethyl Benzene  
Concen: 16.055 ug/l  
RT: 12.54 min Scan# 1129  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

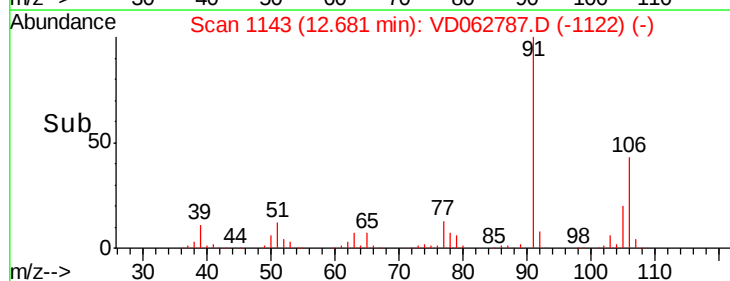
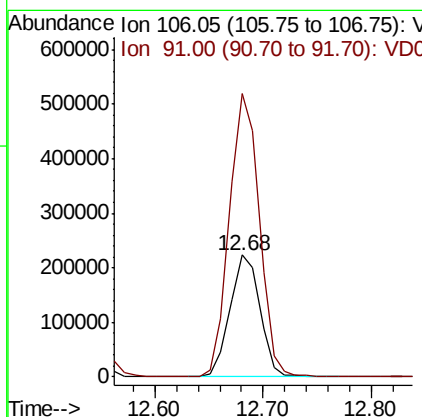
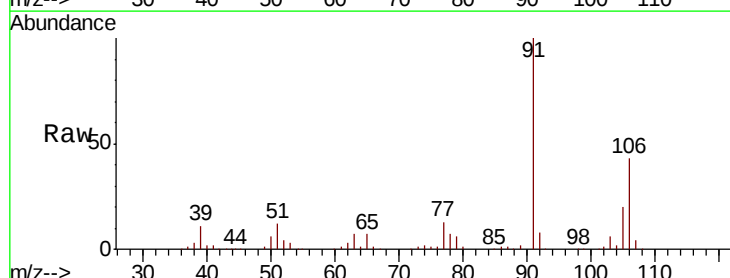
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 91 Resp: 588745  
Ion Ratio Lower Upper  
91 100  
106 28.2 23.1 34.7



#68  
m/p-Xylenes  
Concen: 33.775 ug/l  
RT: 12.68 min Scan# 1143  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion: 106 Resp: 431367  
Ion Ratio Lower Upper  
106 100  
91 232.2 183.0 274.6

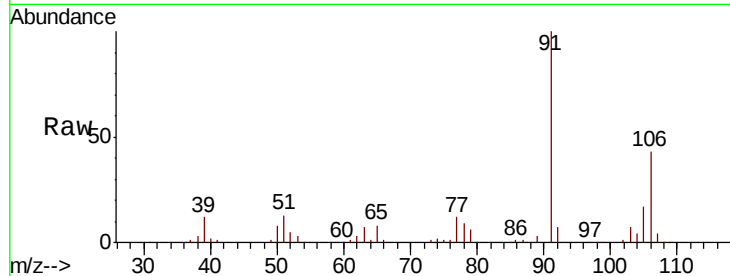




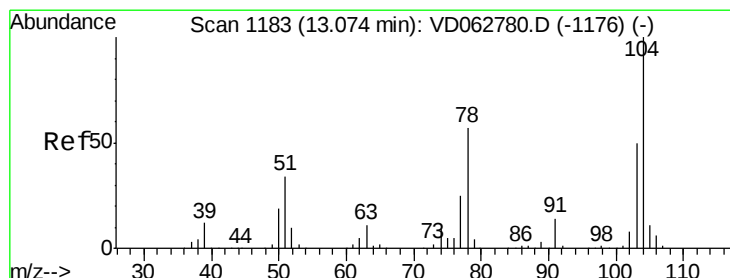
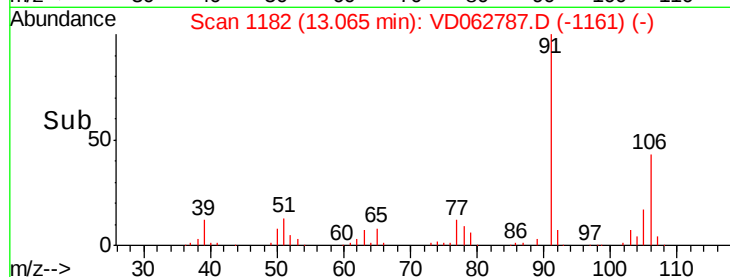
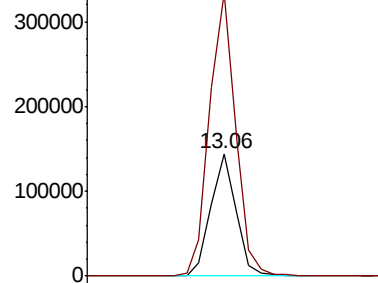
#69  
o-Xylene  
Concen: 17.171 ug/l  
RT: 13.06 min Scan# 1182  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:106 Resp: 200482  
Ion Ratio Lower Upper  
106 100  
91 230.9 117.9 353.6

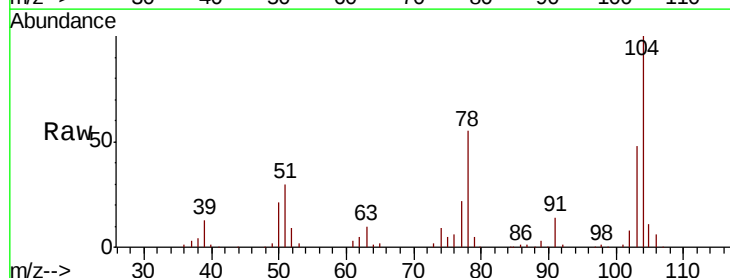


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

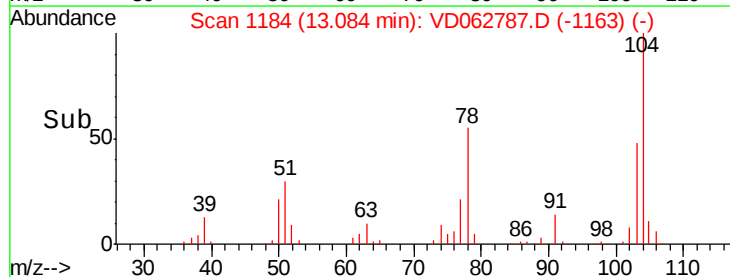
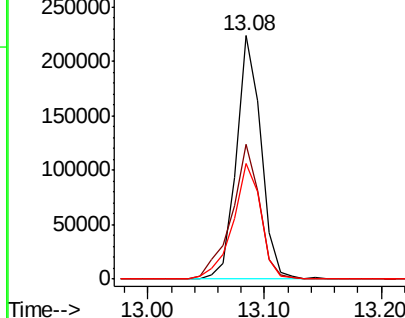


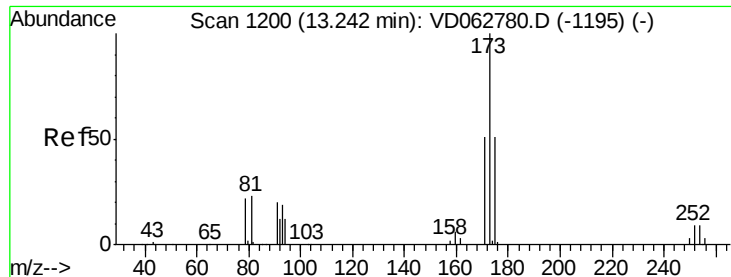
#70  
Styrene  
Concen: 15.935 ug/l  
RT: 13.08 min Scan# 1184  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion:104 Resp: 326787  
Ion Ratio Lower Upper  
104 100  
78 55.3 45.4 68.2  
103 47.7 39.7 59.5



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





#71

Bromoform

Concen: 16.469 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

ClientSampleId :

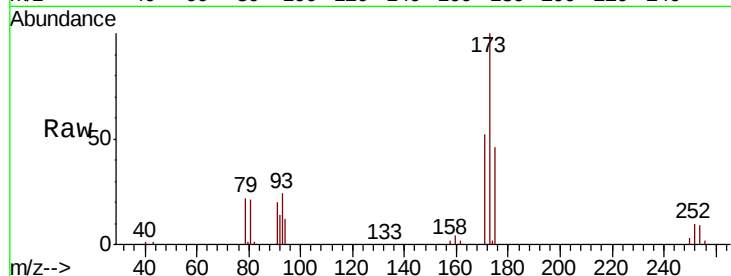
Tot Ion:173 Resp: 107779

Ion Ratio Lower Upper

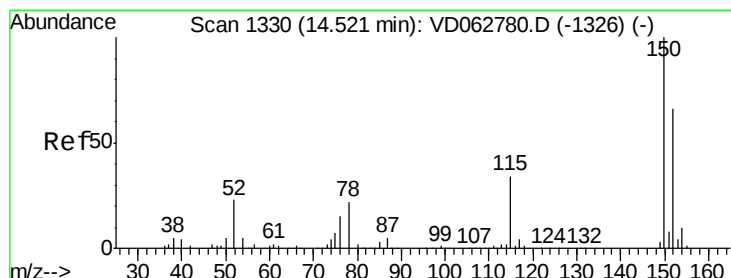
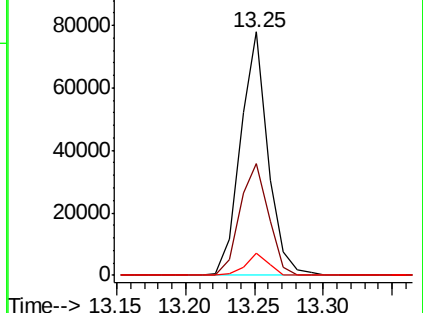
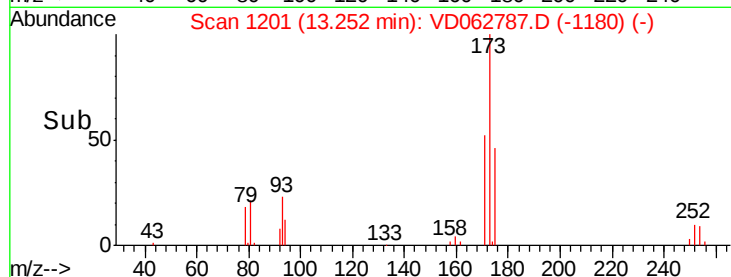
173 100

175 46.0 25.3 75.9

254 9.0 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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

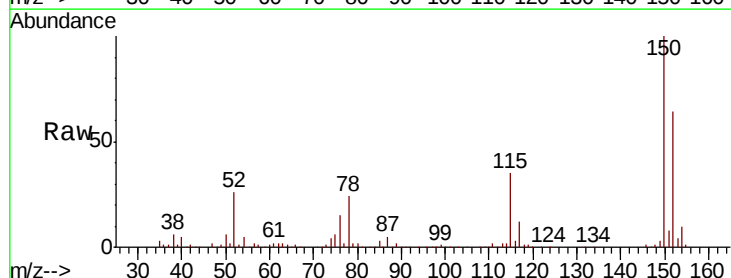
Tgt Ion:152 Resp: 602336

Ion Ratio Lower Upper

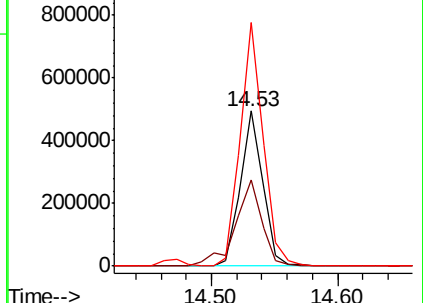
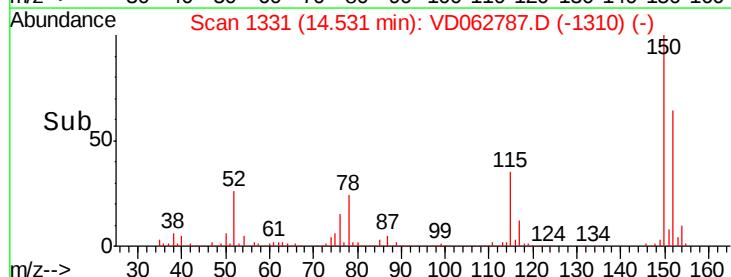
152 100

115 55.6 29.2 87.6

150 157.0 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: 17.701 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

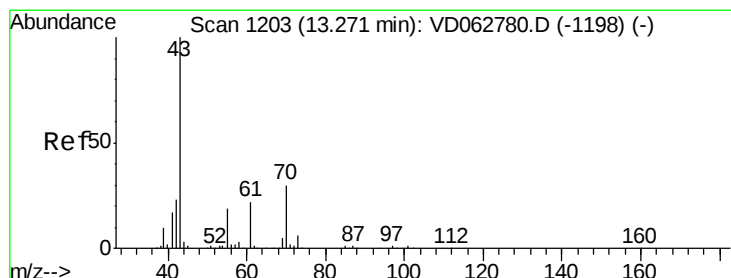
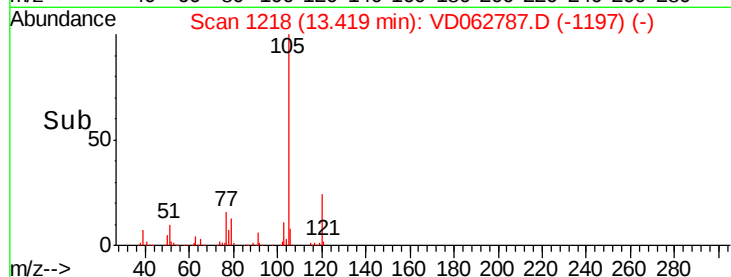
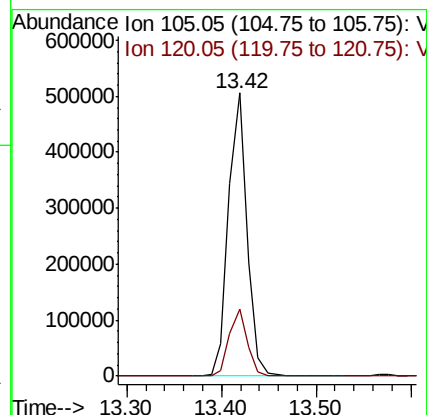
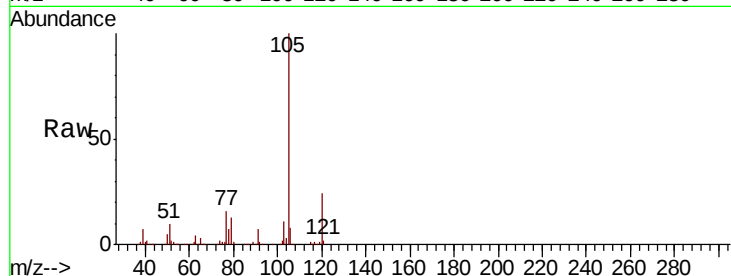
ClientSampled :

Tot Ion:105 Resp: 683630

Ion Ratio Lower Upper

105 100

120 23.7 11.6 34.7



#74

N-ethyl acetate

Concen: 16.579 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Tgt Ion: 43 Resp: 155493

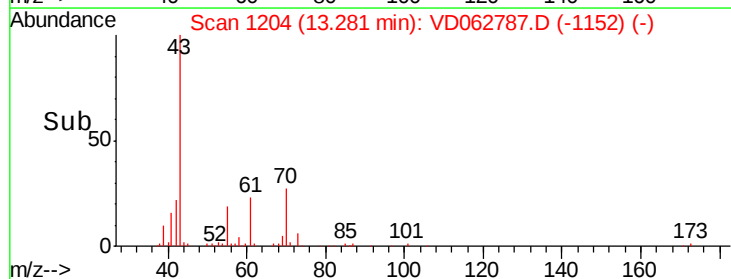
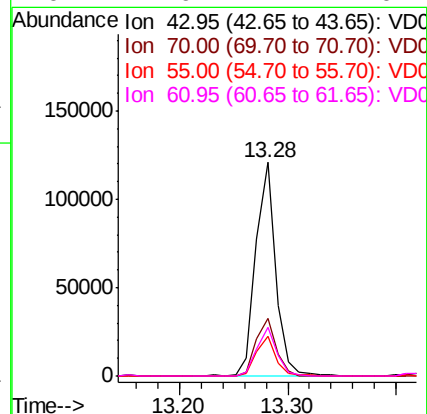
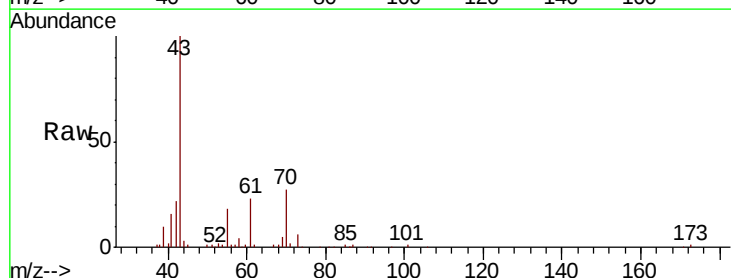
Ion Ratio Lower Upper

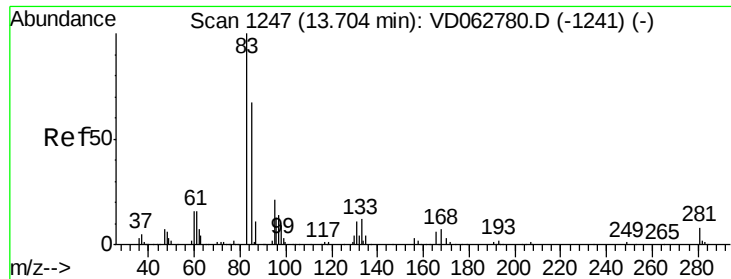
43 100

70 27.1 24.4 36.6

55 18.5 15.2 22.8

61 22.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 15.582 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

ClientSampleId :

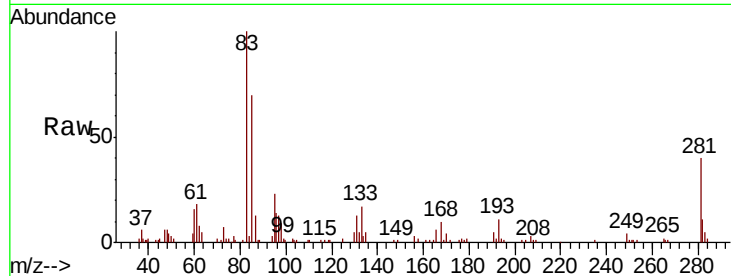
Tot Ion: 83 Resp: 98050

Ion Ratio Lower Upper

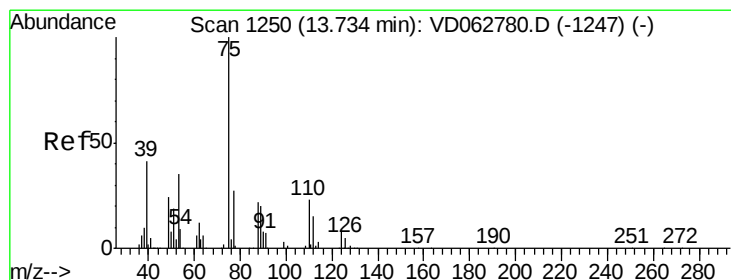
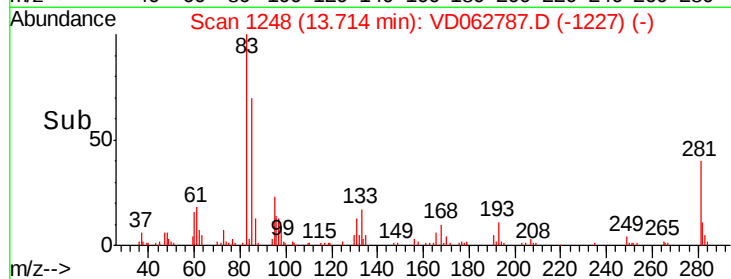
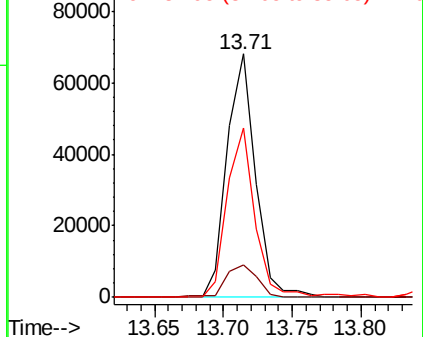
83 100

131 13.3 5.3 16.1

85 69.5 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: 16.110 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD062787.D

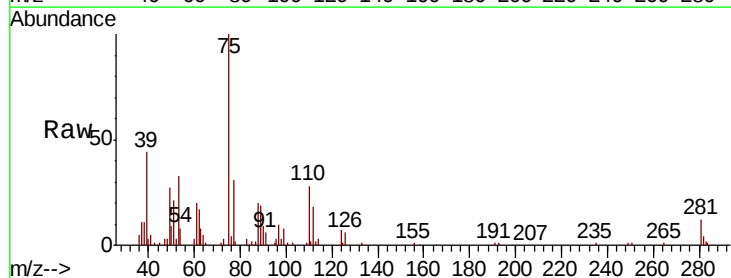
Acq: 20 Jun 2019 12:10

Tgt Ion: 75 Resp: 112023

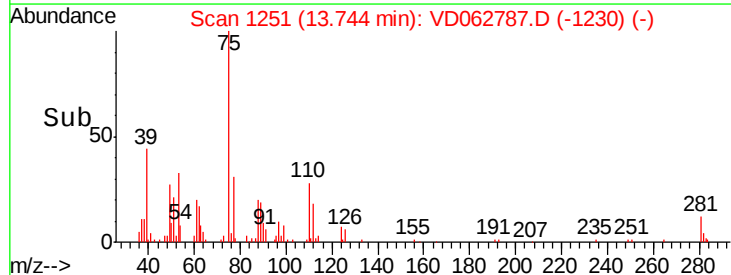
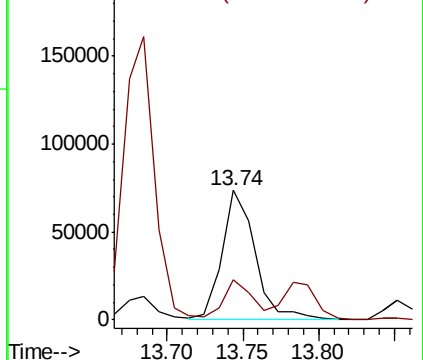
Ion Ratio Lower Upper

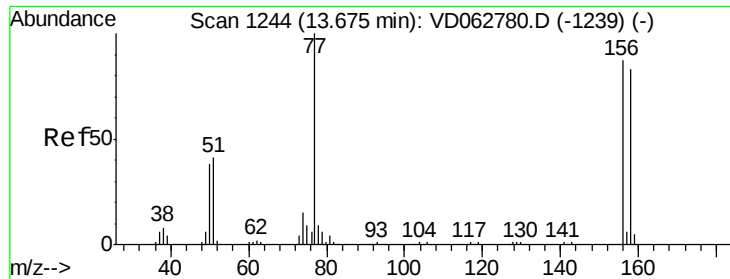
75 100

77 30.9 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: 17.471 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

ClientSampleId :

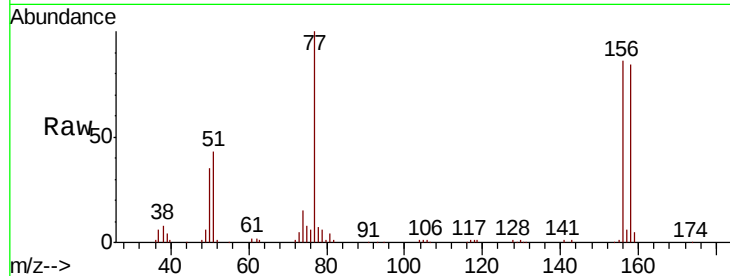
Tot Ion:156 Resp: 181485

Ion Ratio Lower Upper

156 100

77 116.8 57.7 173.1

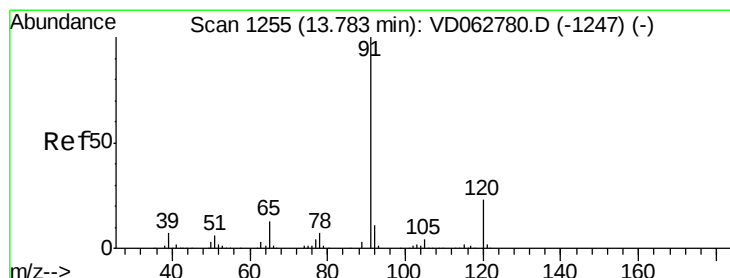
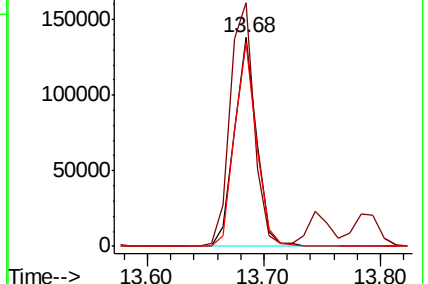
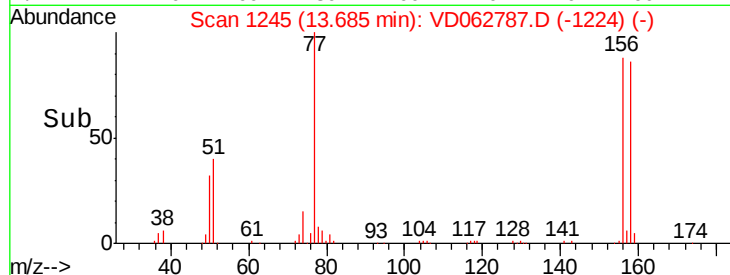
158 97.6 47.7 143.1



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: 16.235 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD062787.D

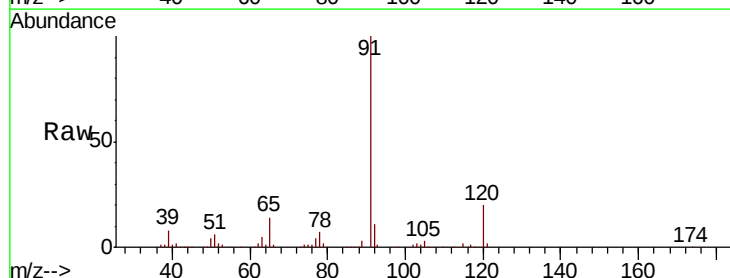
Acq: 20 Jun 2019 12:10

Tgt Ion: 91 Resp: 729795

Ion Ratio Lower Upper

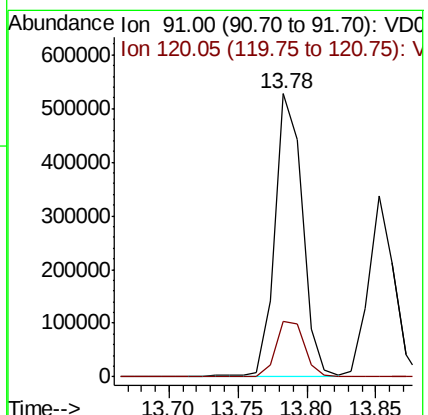
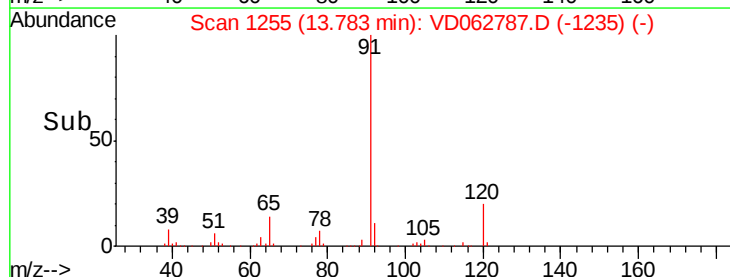
91 100

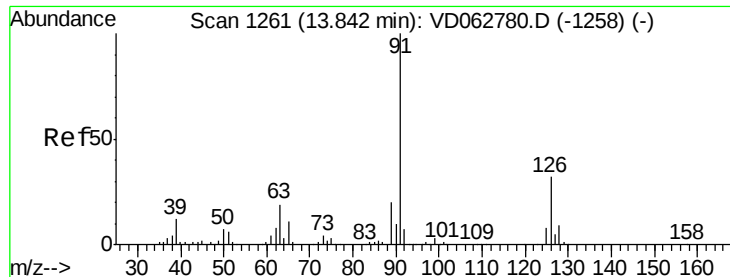
120 19.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

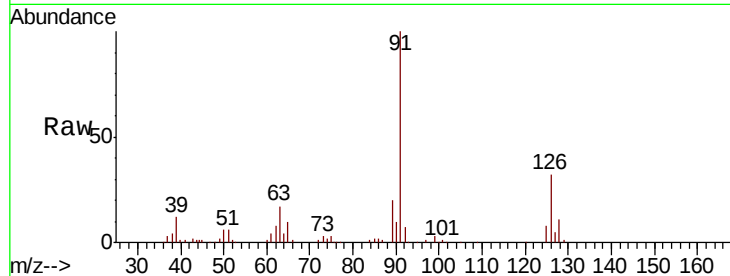




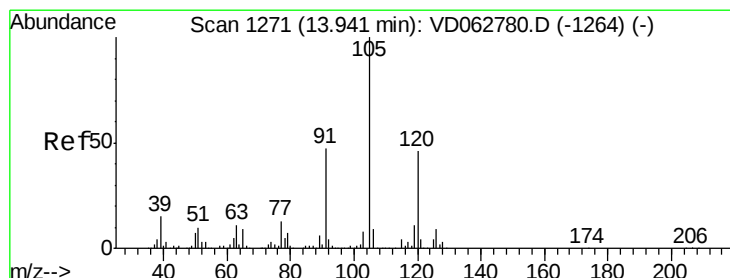
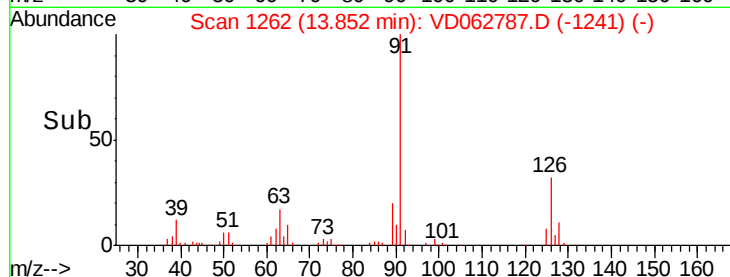
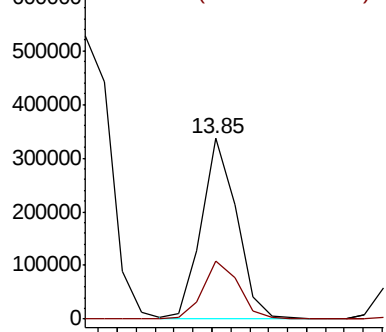
#79  
 2-Chlorotoluene  
 Concen: 16.793 ug/l  
 RT: 13.85 min Scan# 1262  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Instrument :  
 MSVOA\_D  
 ClientSampled :

Tot Ion: 91 Resp: 431389  
 Ion Ratio Lower Upper  
 91 100  
 126 32.5 15.7 47.1

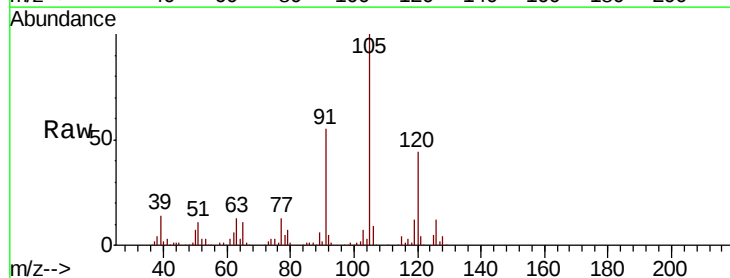


Abundance Ion 91.00 (90.70 to 91.70): V  
 Ion 125.95 (125.65 to 126.65): V

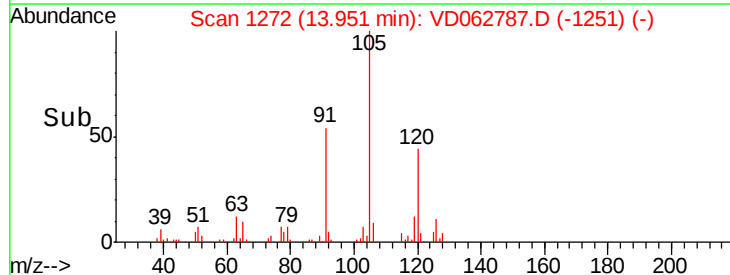
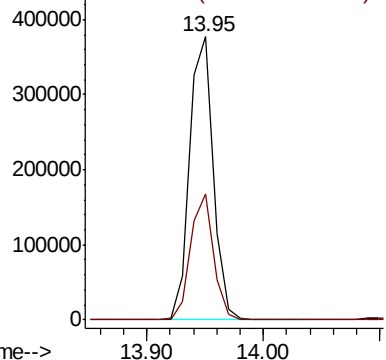


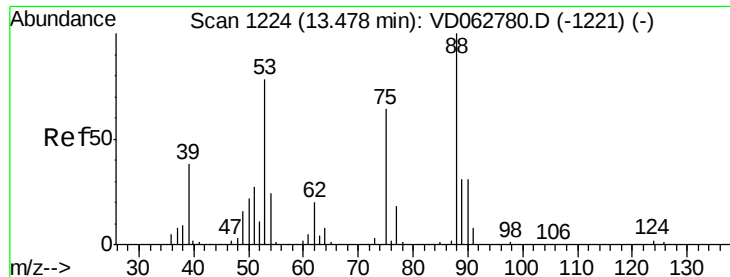
#80  
 1,3,5-Trimethylbenzene  
 Concen: 16.387 ug/l  
 RT: 13.95 min Scan# 1272  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion: 105 Resp: 531599  
 Ion Ratio Lower Upper  
 105 100  
 120 44.3 23.1 69.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 15.226 ug/l

RT: 13.49 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

ClientSampleId :

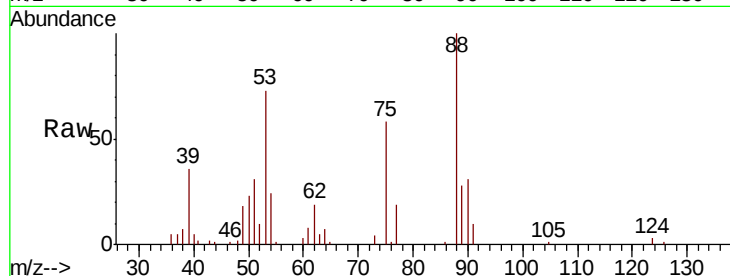
Tot Ion: 75 Resp: 27748

Ion Ratio Lower Upper

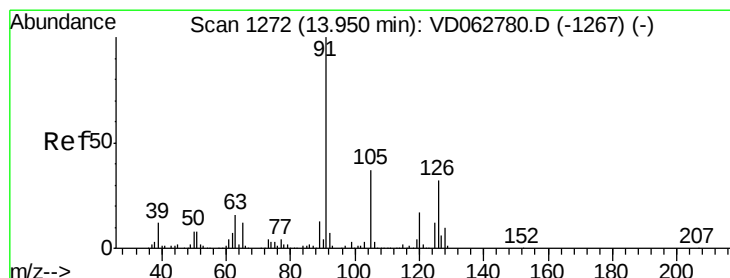
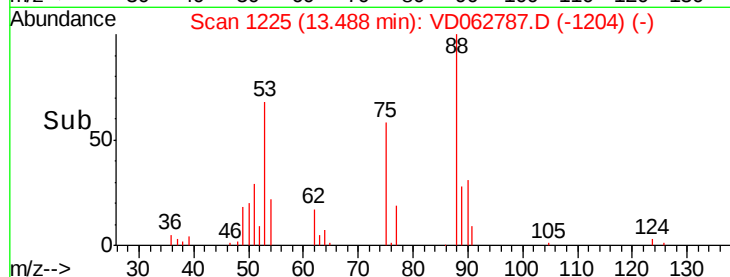
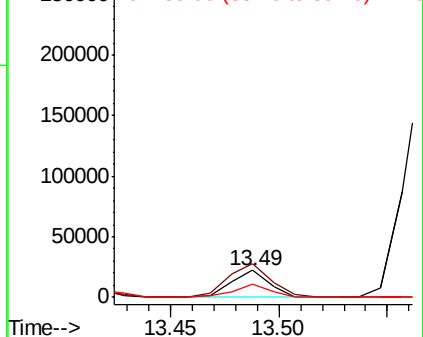
75 100

53 126.4 97.8 146.8

89 48.7 39.4 59.2



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



#82

4-Chlorotoluene

Concen: 17.193 ug/l

RT: 13.96 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD062787.D

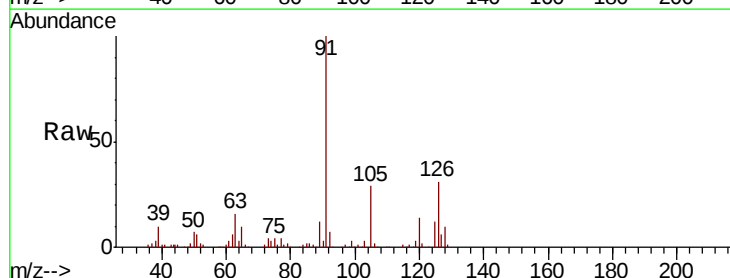
Acq: 20 Jun 2019 12:10

Tgt Ion: 91 Resp: 531726

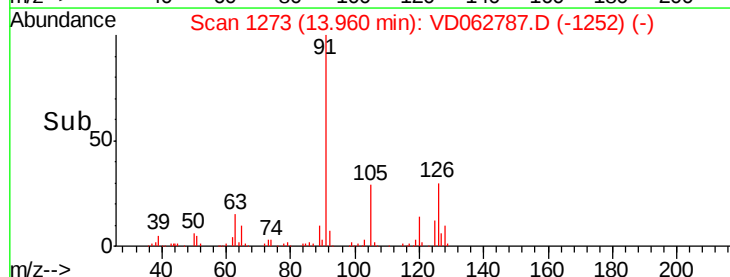
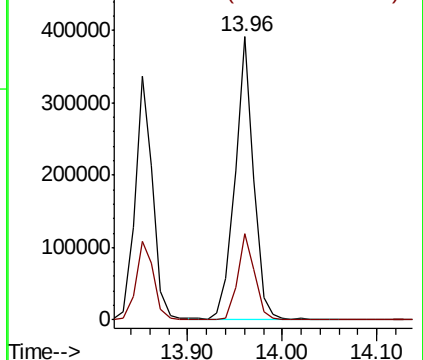
Ion Ratio Lower Upper

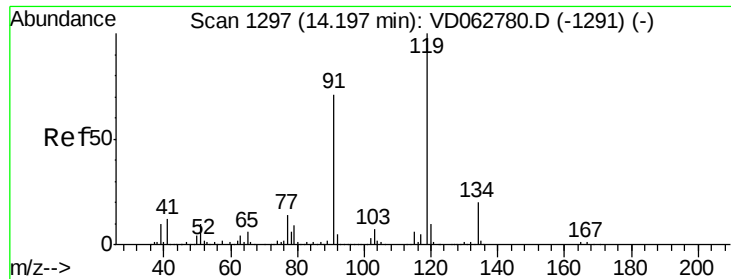
91 100

126 30.6 16.0 47.9



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

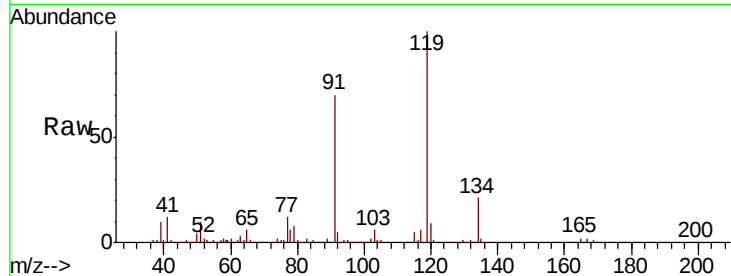




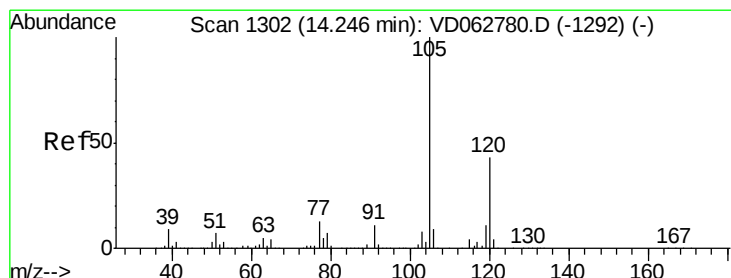
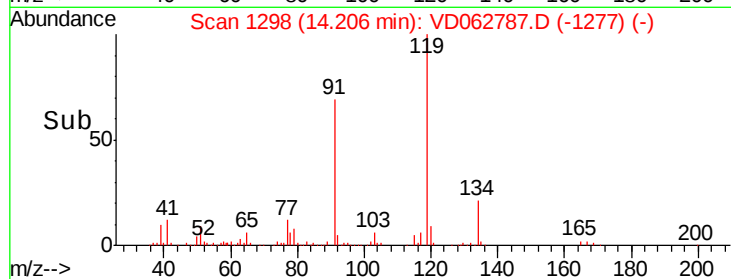
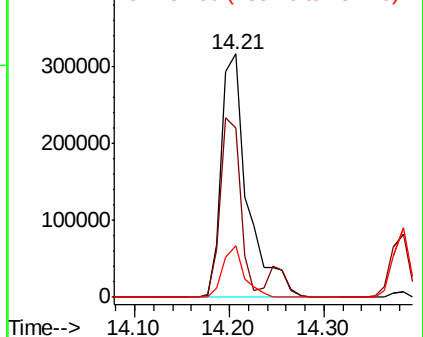
#83  
tert-Butylbenzene  
Concen: 16.839 ug/l  
RT: 14.21 min Scan# 1298  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:119 Resp: 608871  
Ion Ratio Lower Upper  
119 100  
91 69.7 35.5 106.5  
134 21.4 10.2 30.6

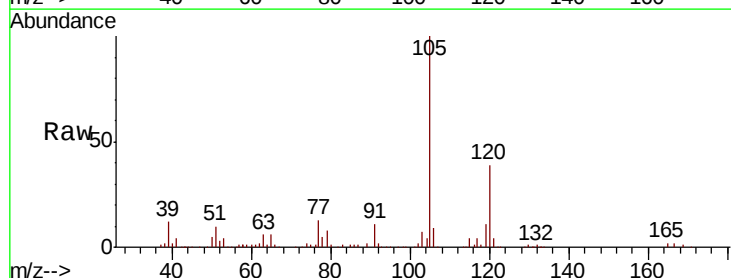


Abundance Ion 119.05 (118.75 to 119.75): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

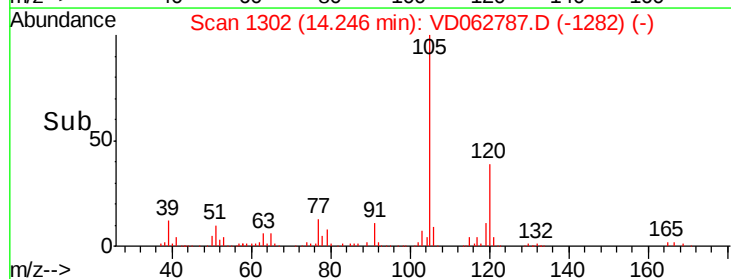
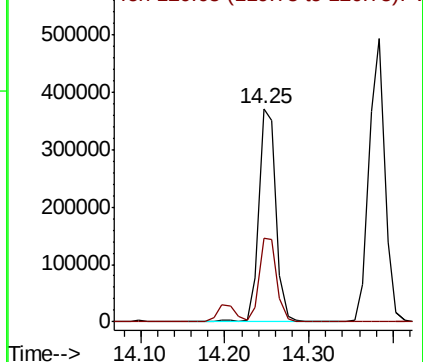


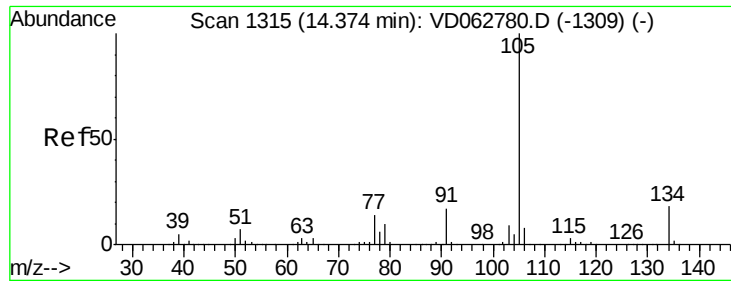
#84  
1,2,4-Trimethylbenzene  
Concen: 16.070 ug/l  
RT: 14.25 min Scan# 1302  
Delta R.T. 0.00 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion:105 Resp: 534327  
Ion Ratio Lower Upper  
105 100  
120 39.3 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: 16.384 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

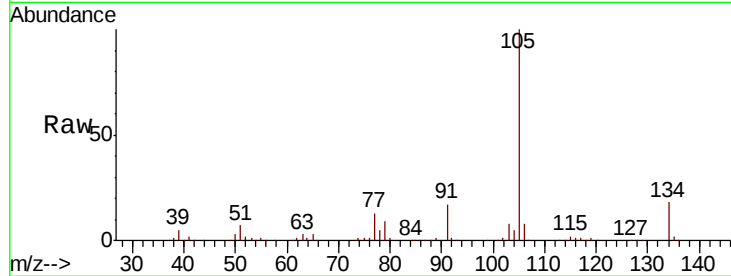
ClientSampled :

Tot Ion:105 Resp: 643898

Ion Ratio Lower Upper

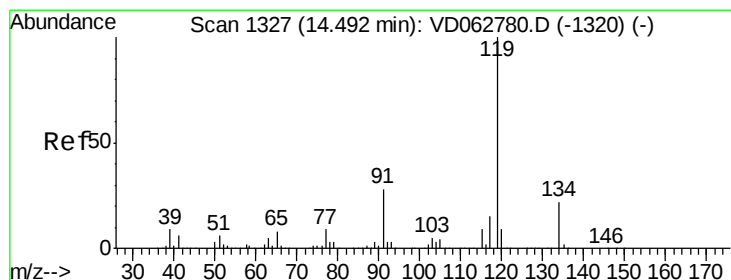
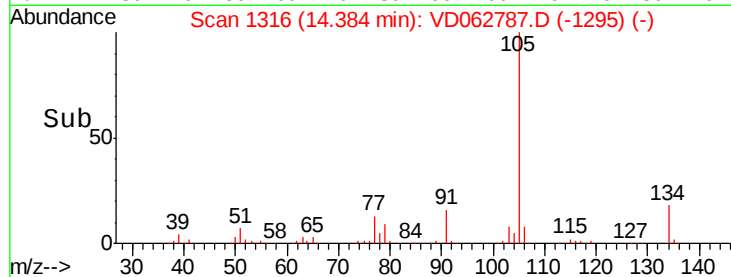
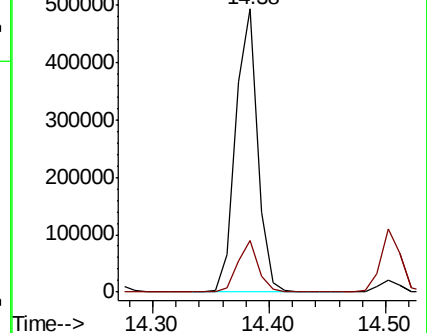
105 100

134 18.2 9.1 27.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 16.657 ug/l

RT: 14.50 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

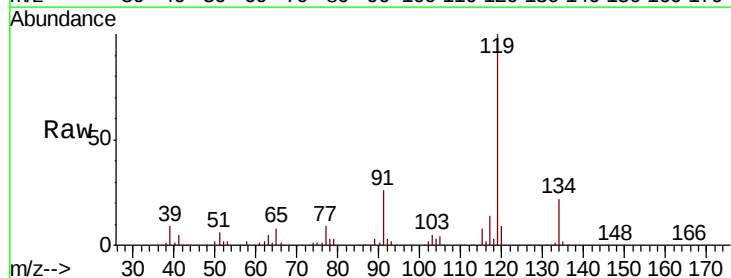
Tgt Ion:119 Resp: 598872

Ion Ratio Lower Upper

119 100

134 21.6 11.1 33.1

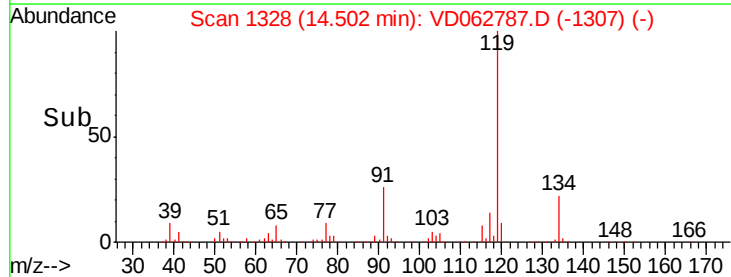
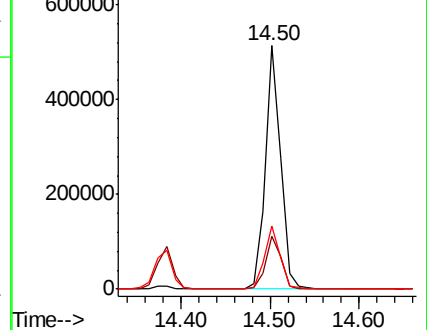
91 26.1 14.0 41.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

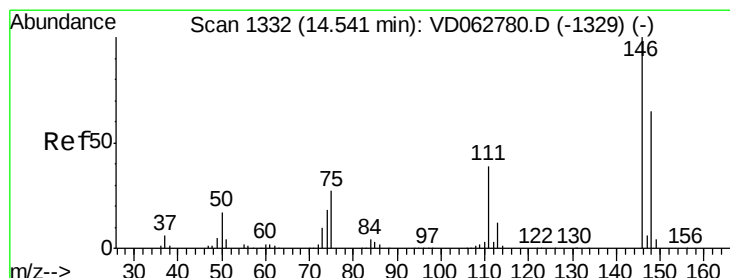
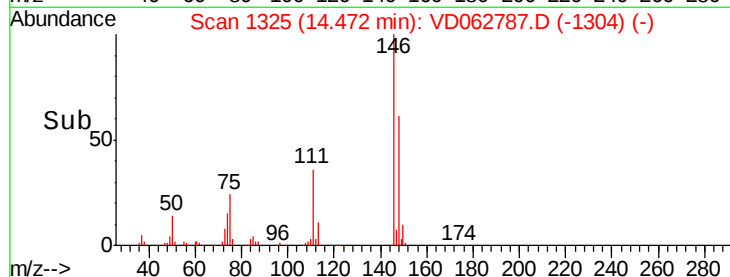
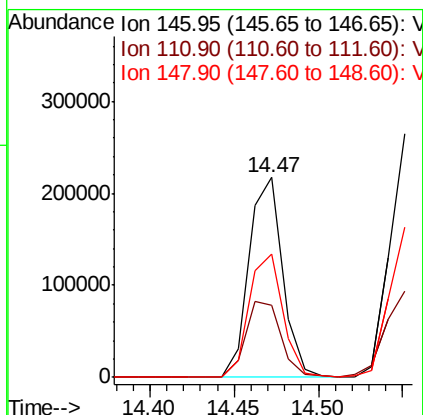
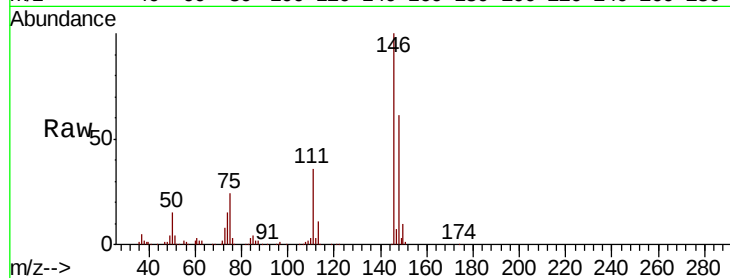




#87  
 1,3-Dichlorobenzene  
 Concen: 16.266 ug/l  
 RT: 14.47 min Scan# 1325  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

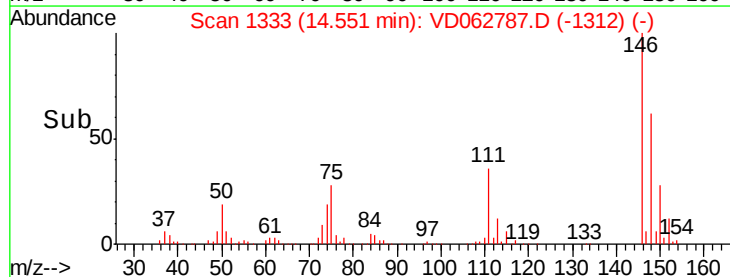
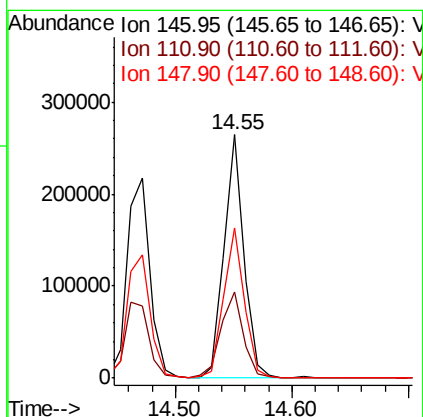
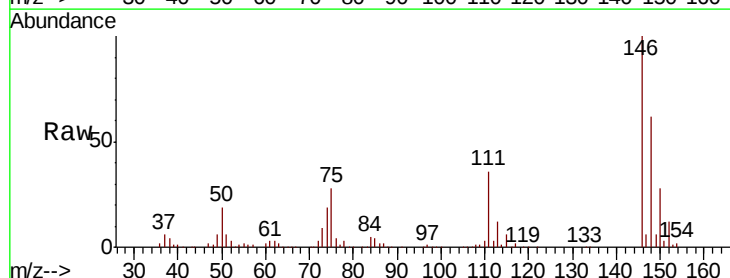
Instrument :  
 MSVOA\_D  
 ClientSampleId :

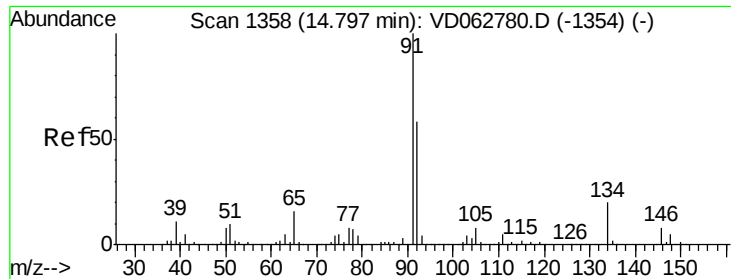
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.2  | 19.0  | 57.0  |
| 148     | 61.5  | 30.8  | 92.3  |



#88  
 1,4-Dichlorobenzene  
 Concen: 16.827 ug/l  
 RT: 14.55 min Scan# 1333  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.7  | 19.7  | 59.1  |
| 148     | 61.8  | 32.8  | 98.3  |

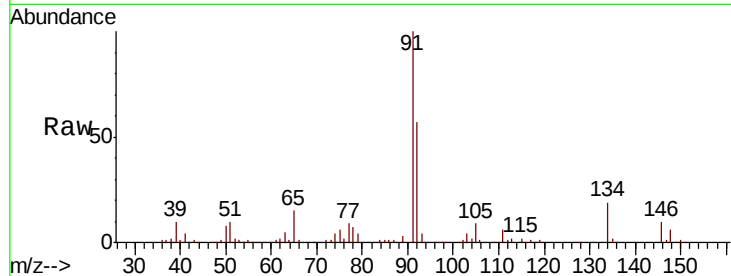




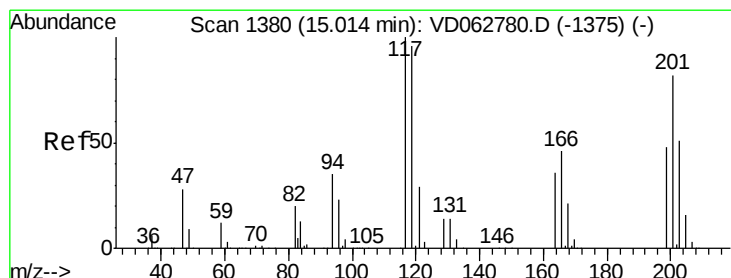
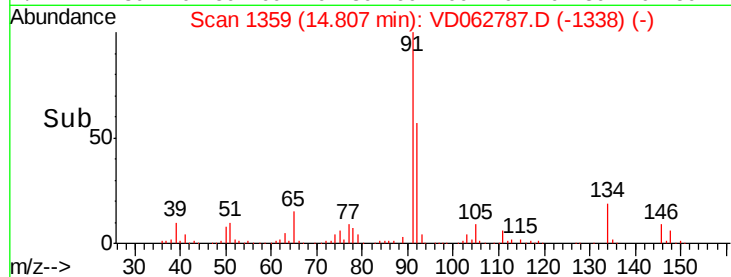
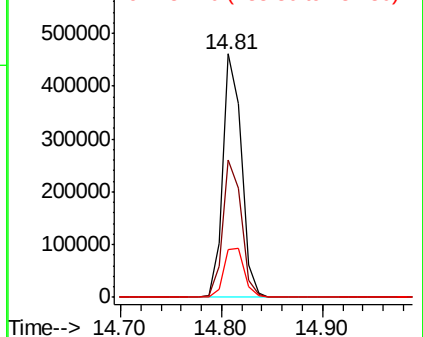
#89  
n-Butylbenzene  
Concen: 17.709 ug/l  
RT: 14.81 min Scan# 1359  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 91 Resp: 595918  
Ion Ratio Lower Upper  
91 100  
92 56.5 28.9 86.7  
134 19.4 10.1 30.3

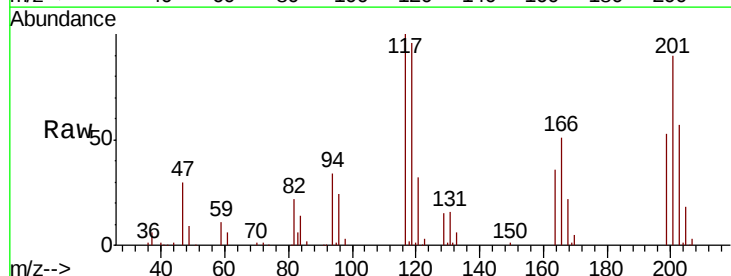


Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 92.00 (91.70 to 92.70): VDC  
Ion 134.10 (133.80 to 134.80): V

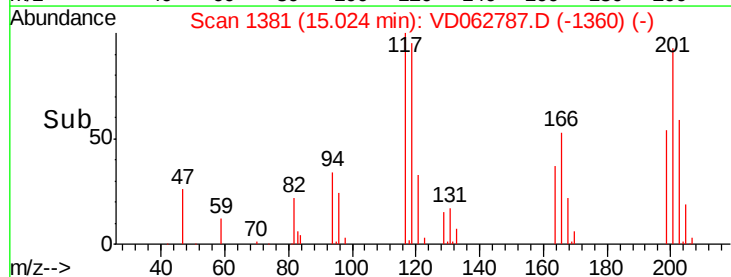
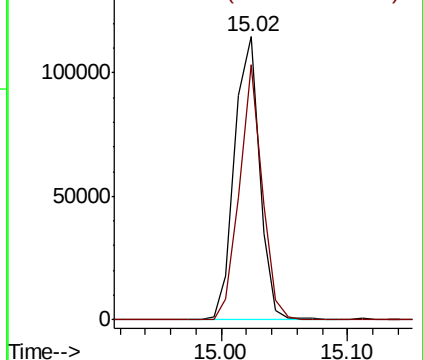


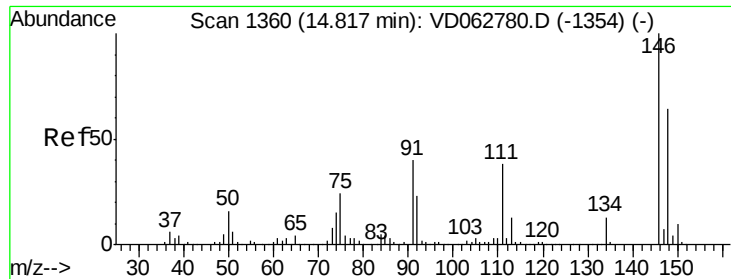
#90  
Hexachloroethane  
Concen: 16.192 ug/l  
RT: 15.02 min Scan# 1381  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion: 117 Resp: 156523  
Ion Ratio Lower Upper  
117 100  
201 90.0 40.8 122.2



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 17.850 ug/l

RT: 14.82 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

Instrument :

MSVOA\_D

ClientSampled :

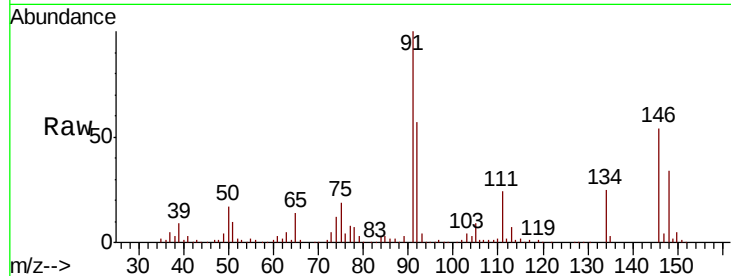
Tot Ion:146 Resp: 284383

Ion Ratio Lower Upper

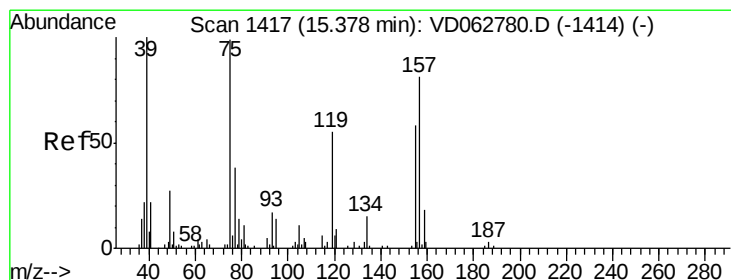
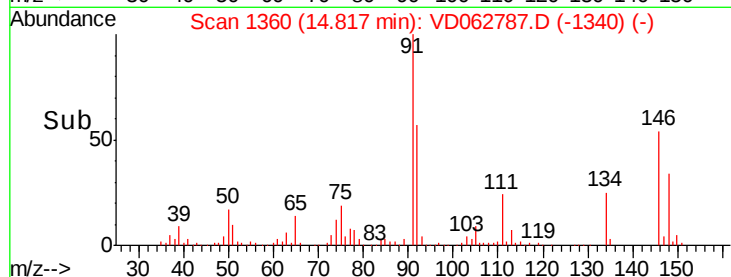
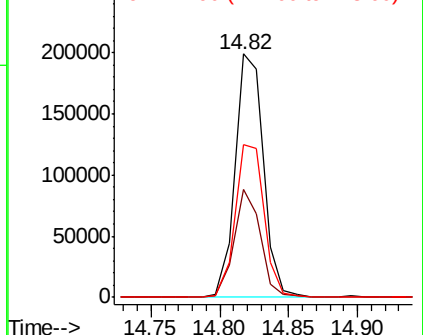
146 100

111 44.3 19.1 57.1

148 63.0 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.398 ug/l

RT: 15.39 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VD062787.D

Acq: 20 Jun 2019 12:10

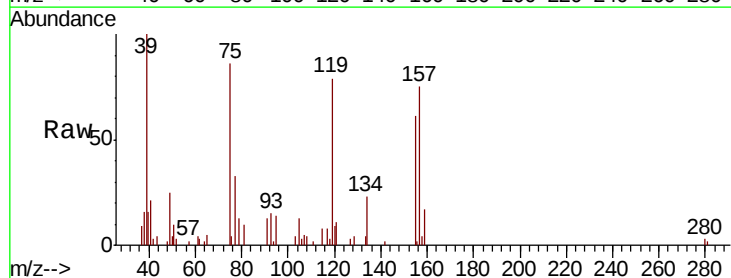
Tgt Ion: 75 Resp: 20140

Ion Ratio Lower Upper

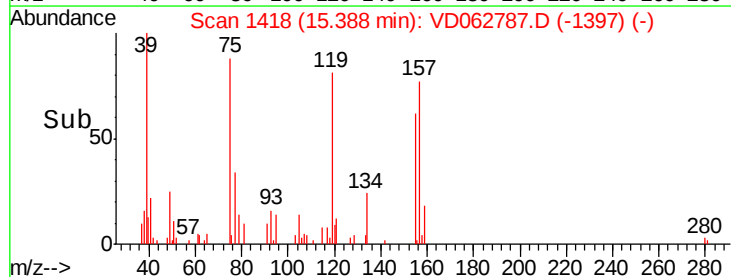
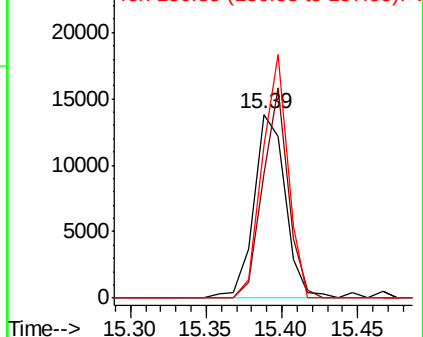
75 100

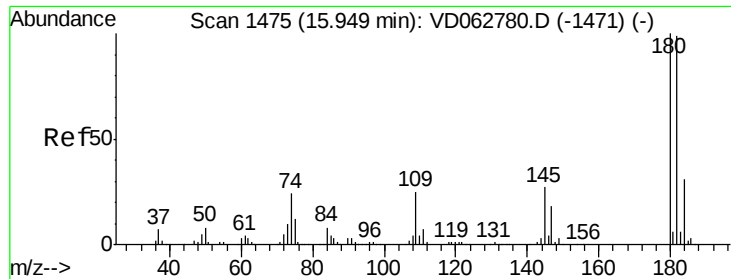
155 67.5 29.3 87.8

157 83.0 41.3 123.7



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

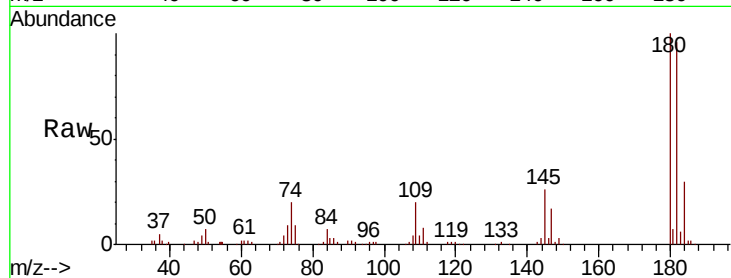




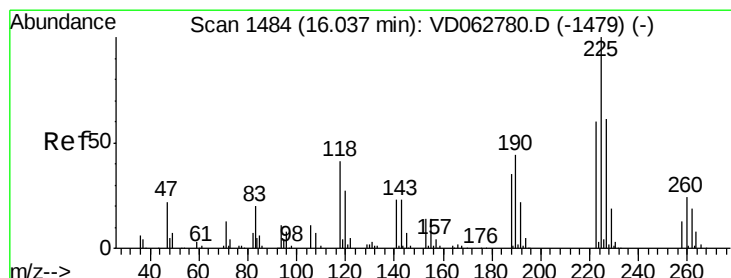
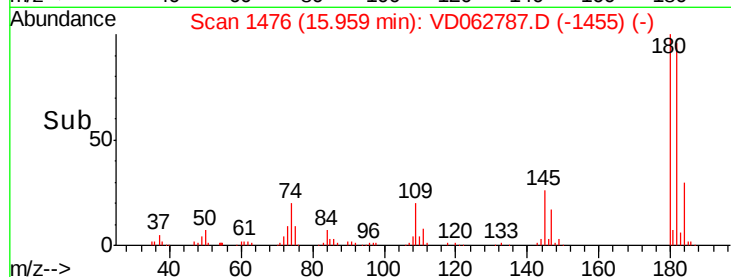
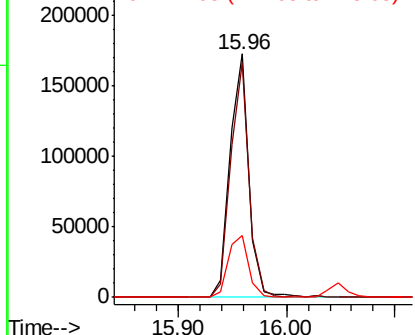
#93  
 1,2,4-Trichlorobenzene  
 Concen: 16.922 ug/l  
 RT: 15.96 min Scan# 1476  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:180 Resp: 210602  
 Ion Ratio Lower Upper  
 180 100  
 182 96.4 49.5 148.5  
 145 25.5 13.7 41.0

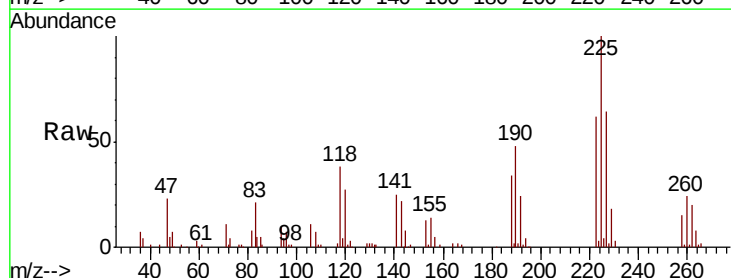


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

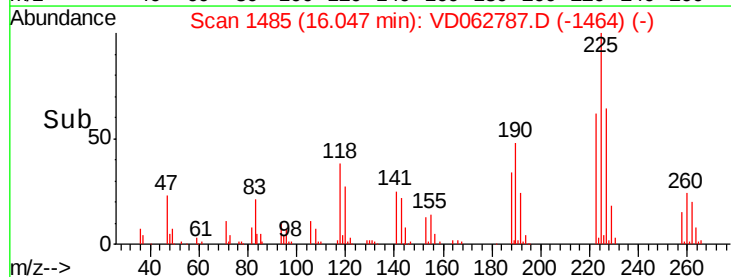
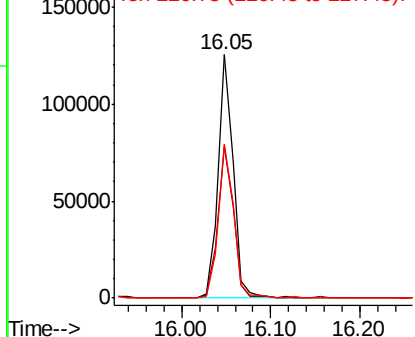


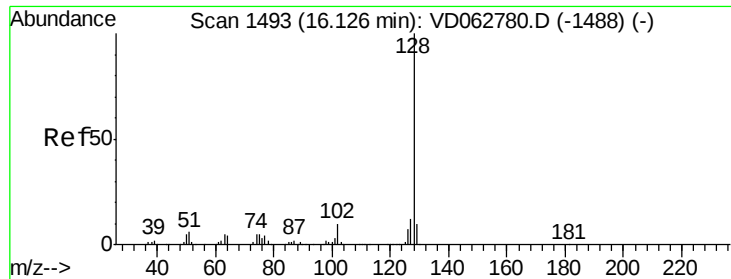
#94  
 Hexachlorobutadiene  
 Concen: 15.678 ug/l  
 RT: 16.05 min Scan# 1485  
 Delta R.T. 0.01 min  
 Lab File: VD062787.D  
 Acq: 20 Jun 2019 12:10

Tgt Ion:225 Resp: 149060  
 Ion Ratio Lower Upper  
 225 100  
 223 62.1 29.8 89.5  
 227 63.5 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

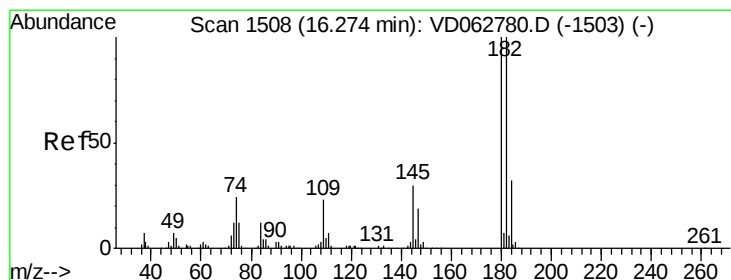
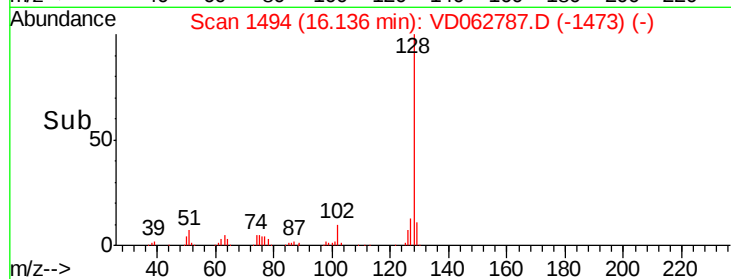
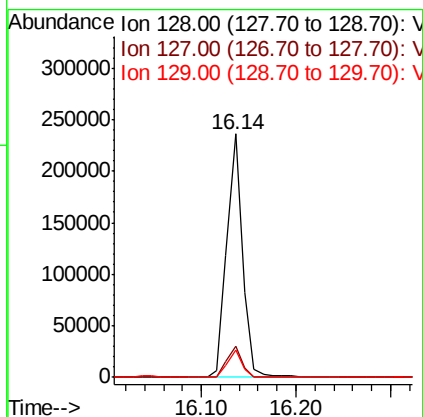
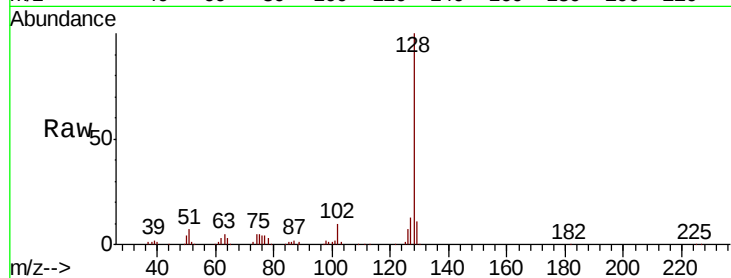




#95  
Naphthalene  
Concen: 15.647 ug/l  
RT: 16.14 min Scan# 1494  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:128 Resp: 272939  
Ion Ratio Lower Upper  
128 100  
127 12.7 9.7 14.5  
129 11.0 8.3 12.5



#96  
1,2,3-Trichlorobenzene  
Concen: 16.308 ug/l  
RT: 16.28 min Scan# 1509  
Delta R.T. 0.01 min  
Lab File: VD062787.D  
Acq: 20 Jun 2019 12:10

Tgt Ion:180 Resp: 155943  
Ion Ratio Lower Upper  
180 100  
182 90.1 49.9 149.6  
145 28.3 15.2 45.5

