

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\  
 Data File : VD062454.D  
 Acq On : 20 May 2019 13:56  
 Operator : FY/SY  
 Sample : VSTDIC005  
 Misc : 5.00g/5mL/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Quant Time: May 20 16:55:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 20 16:04:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.06  | 168  | 712662   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.23  | 114  | 963239   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.38 | 117  | 822160   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.53 | 152  | 408183   | 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   | 33812    | 5.11 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 10.22% |          |
| 35) Dibromofluoromethane    | 6.94  | 113  | 41062    | 5.14 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 10.28% |          |
| 50) Toluene-d8              | 10.43 | 98   | 89116    | 4.62 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 9.24%  |          |
| 62) 4-Bromofluorobenzene    | 13.57 | 95   | 39595    | 5.12 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 10.24% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85   | 52658    | 7.726  | ug/l   | 100    |
| 3) Chloromethane              | 1.76 | 50   | 31988    | 6.495  | ug/l   | 96     |
| 4) Vinyl Chloride             | 1.86 | 62   | 28863    | 5.963  | ug/l   | 97     |
| 5) Bromomethane               | 2.16 | 94   | 13504    | 11.907 | ug/l   | 89     |
| 6) Chloroethane               | 2.28 | 64   | 14709    | 7.242  | ug/l # | 85     |
| 7) Trichlorofluoromethane     | 2.54 | 101  | 68452    | 7.274  | ug/l   | 91     |
| 8) Diethyl Ether              | 2.89 | 74   | 9471     | 5.219  | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.15 | 101  | 38137    | 5.357  | ug/l # | 93     |
| 10) Methyl Iodide             | 3.31 | 142  | 43028    | 3.999  | ug/l # | 76     |
| 11) Tert butyl alcohol        | 4.10 | 59   | 9411     | 27.838 | ug/l # | 85     |
| 12) 1,1-Dichloroethene        | 3.13 | 96   | 28665    | 5.275  | ug/l   | 86     |
| 13) Acrolein                  | 3.05 | 56   | 8317     | 23.786 | ug/l   | 100    |
| 14) Allyl chloride            | 3.63 | 41   | 42287    | 5.352  | ug/l # | 66     |
| 15) Acrylonitrile             | 4.21 | 53   | 22006    | 24.765 | ug/l   | 87     |
| 16) Acetone                   | 3.23 | 43   | 39191    | 28.218 | ug/l # | 80     |
| 17) Carbon Disulfide          | 3.38 | 76   | 83011    | 5.310  | ug/l   | 97     |
| 18) Methyl Acetate            | 3.66 | 43   | 12565    | 4.612  | ug/l # | 80     |
| 19) Methyl tert-butyl Ether   | 4.26 | 73   | 62991    | 5.408  | ug/l   | 96     |
| 20) Methylene Chloride        | 3.82 | 84   | 58468    | 10.082 | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene  | 4.23 | 96   | 32354    | 5.351  | ug/l   | 91     |
| 22) Diisopropyl ether         | 5.13 | 45   | 84216    | 5.009  | ug/l # | 87     |
| 23) Vinyl Acetate             | 5.07 | 43   | 253998   | 28.633 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 5.00 | 63   | 56701    | 5.590  | ug/l   | 97     |
| 25) 2-Butanone                | 6.10 | 43   | 37550    | 24.786 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 6.04 | 77   | 62738    | 6.210  | ug/l   | 84     |
| 27) cis-1,2-Dichloroethene    | 6.06 | 96   | 34406    | 5.083  | ug/l   | 93     |
| 28) Bromochloromethane        | 6.46 | 49   | 18832    | 4.719  | ug/l # | 79     |
| 29) Tetrahydrofuran           | 6.49 | 42   | 18500    | 26.503 | ug/l # | 89     |
| 30) Chloroform                | 6.69 | 83   | 71741    | 5.869  | ug/l   | 96     |
| 31) Cyclohexane               | 6.96 | 56   | 36649    | 5.274  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane     | 6.88 | 97   | 72908    | 6.310  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.16 | 75   | 50765    | 6.428  | ug/l   | 92     |
| 37) Ethyl Acetate             | 6.20 | 43   | 19843    | 5.925  | ug/l # | 80     |
| 38) Carbon Tetrachloride      | 7.13 | 117  | 70970    | 6.493  | ug/l   | 94     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\  
 Data File : VD062454.D  
 Acq On : 20 May 2019 13:56  
 Operator : FY/SY  
 Sample : VSTDIC005  
 Misc : 5.00g/5mL/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC005

Quant Time: May 20 16:55:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D052019S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon May 20 16:04:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 8.88  | 83   | 40251    | 5.319  | ug/l   | 97       |
| 40) Benzene                    | 7.47  | 78   | 97291    | 5.455  | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.48  | 41   | 24845    | 6.070  | ug/l # | 69       |
| 42) 1,2-Dichloroethane         | 7.59  | 62   | 51678    | 6.839  | ug/l   | 86       |
| 43) Isopropyl Acetate          | 9.26  | 43   | 23270    | 4.899  | ug/l   | 97       |
| 44) Trichloroethene            | 8.56  | 130  | 36375    | 5.353  | ug/l   | 78       |
| 45) 1,2-Dichloropropane        | 8.96  | 63   | 22519    | 5.105  | ug/l   | 97       |
| 46) Dibromomethane             | 9.08  | 93   | 20764    | 5.788  | ug/l   | 91       |
| 47) Bromodichloromethane       | 9.39  | 83   | 51737    | 5.896  | ug/l   | 94       |
| 48) Methyl methacrylate        | 9.14  | 41   | 17163    | 5.866  | ug/l # | 77       |
| 49) 1,4-Dioxane                | 9.11  | 88   | 2628     | 83.248 | ug/l # | 63       |
| 51) 4-Methyl-2-Pentanone       | 10.32 | 43   | 79680    | 26.096 | ug/l   | 91       |
| 52) Toluene                    | 10.53 | 92   | 63532    | 5.475  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.93 | 75   | 42945    | 5.663  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.05 | 75   | 42067    | 5.085  | ug/l # | 83       |
| 55) 1,1,2-Trichloroethane      | 11.20 | 97   | 22084    | 5.379  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 11.06 | 69   | 23027    | 5.397  | ug/l # | 88       |
| 57) 1,3-Dichloropropane        | 11.42 | 76   | 35382    | 5.704  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 9.88  | 63   | 58669    | 25.176 | ug/l   | 97       |
| 59) 2-Hexanone                 | 11.55 | 43   | 59797    | 26.571 | ug/l   | 93       |
| 60) Dibromochloromethane       | 11.70 | 129  | 41573    | 5.859  | ug/l   | 95       |
| 61) 1,2-Dibromoethane          | 11.81 | 107  | 27270    | 5.463  | ug/l   | 93       |
| 64) Tetrachloroethene          | 11.27 | 164  | 34414    | 5.353  | ug/l   | 88       |
| 65) Chlorobenzene              | 12.40 | 112  | 79740    | 5.207  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.52 | 131  | 36755    | 5.515  | ug/l   | 92       |
| 67) Ethyl Benzene              | 12.53 | 91   | 134261   | 5.237  | ug/l   | 96       |
| 68) m/p-Xylenes                | 12.68 | 106  | 101320   | 10.863 | ug/l   | 81       |
| 69) o-Xylene                   | 13.05 | 106  | 46308    | 5.340  | ug/l   | 77       |
| 70) Styrene                    | 13.08 | 104  | 84982    | 5.785  | ug/l   | 98       |
| 71) Bromoform                  | 13.24 | 173  | 23490    | 5.066  | ug/l # | 92       |
| 73) Isopropylbenzene           | 13.41 | 105  | 135400   | 5.534  | ug/l   | 95       |
| 74) N-amyl acetate             | 13.27 | 43   | 35773    | 5.577  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 26711    | 5.767  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 13.74 | 75   | 25047    | 5.163  | ug/l   | 100      |
| 77) Bromobenzene               | 13.67 | 156  | 39598    | 5.781  | ug/l   | 86       |
| 78) n-propylbenzene            | 13.78 | 91   | 165497   | 5.670  | ug/l   | 96       |
| 79) 2-Chlorotoluene            | 13.85 | 91   | 97625    | 5.840  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene     | 13.94 | 105  | 119275   | 5.789  | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 7597     | 5.548  | ug/l # | 63       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 113351   | 5.762  | ug/l   | 78       |
| 83) tert-Butylbenzene          | 14.20 | 119  | 128039   | 5.529  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene     | 14.24 | 105  | 129494   | 6.263  | ug/l   | 88       |
| 85) sec-Butylbenzene           | 14.37 | 105  | 128550   | 5.063  | ug/l   | 92       |
| 86) p-Isopropyltoluene         | 14.50 | 119  | 128965   | 5.685  | ug/l   | 92       |
| 87) 1,3-Dichlorobenzene        | 14.46 | 146  | 70011    | 5.595  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 68932    | 5.607  | ug/l   | 96       |
| 89) n-Butylbenzene             | 14.81 | 91   | 124369   | 6.108  | ug/l   | 96       |
| 90) Hexachloroethane           | 15.01 | 117  | 32752    | 5.309  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 14.82 | 146  | 61271    | 5.946  | ug/l   | 94       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.39 | 75   | 4283     | 5.633  | ug/l   | 67       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\  
Data File : VD062454.D  
Acq On : 20 May 2019 13:56  
Operator : FY/SY  
Sample : VSTDICC005  
Misc : 5.00g/5mL/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

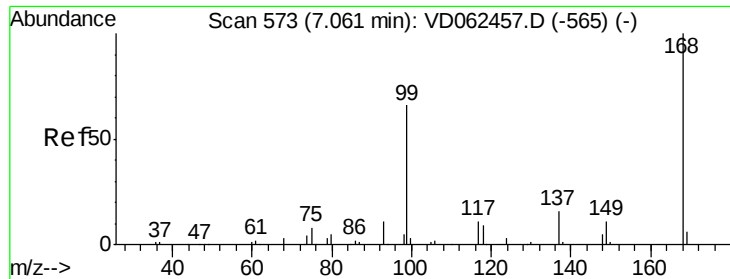
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

Quant Time: May 20 16:55:03 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D052019S.M  
Quant Title : SW846 8260  
QLast Update : Mon May 20 16:04:52 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 43204    | 5.760 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 16.05 | 225  | 33690    | 6.039 | ug/l  | 98       |
| 95) Naphthalene            | 16.13 | 128  | 64330    | 6.143 | ug/l  | 97       |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 34872    | 7.395 | ug/l  | 97       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

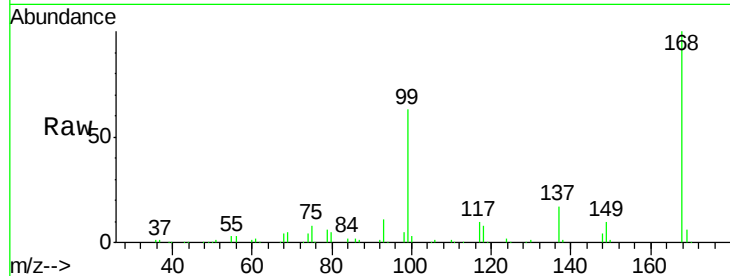
VSTDIC005

Tot Ion:168 Resp: 712662

Ion Ratio Lower Upper

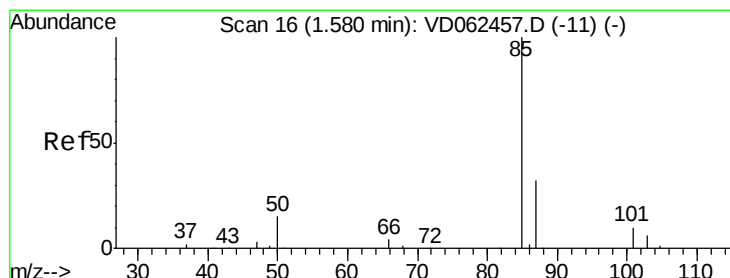
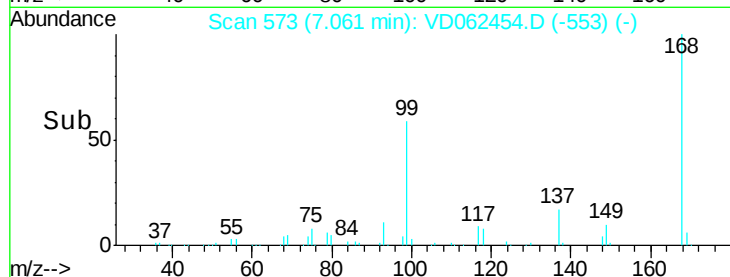
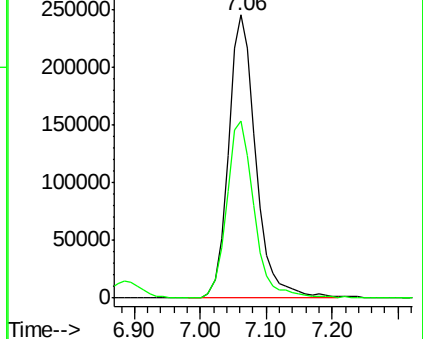
168 100

99 62.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 7.726 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.00 min

Lab File: VD062454.D

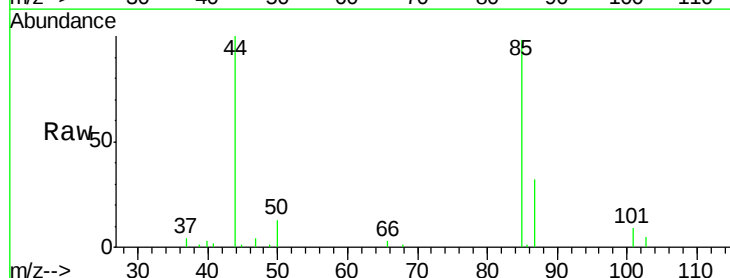
Acq: 20 May 2019 13:56

Tgt Ion: 85 Resp: 52658

Ion Ratio Lower Upper

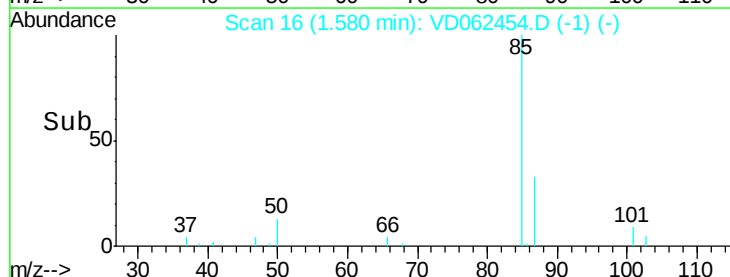
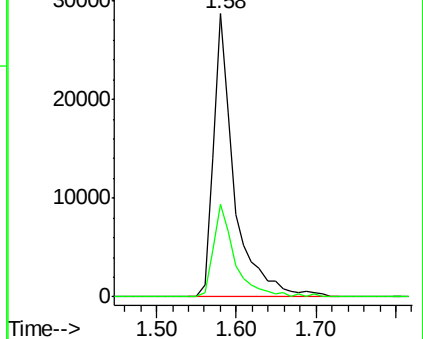
85 100

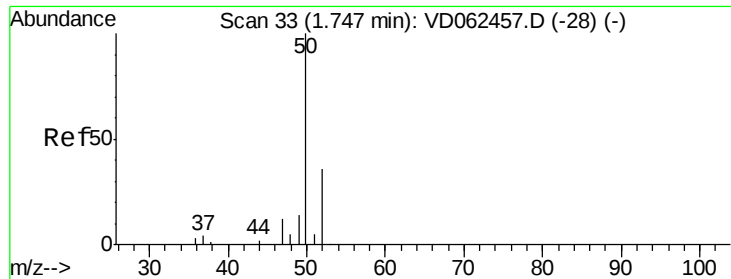
87 32.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 6.495 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

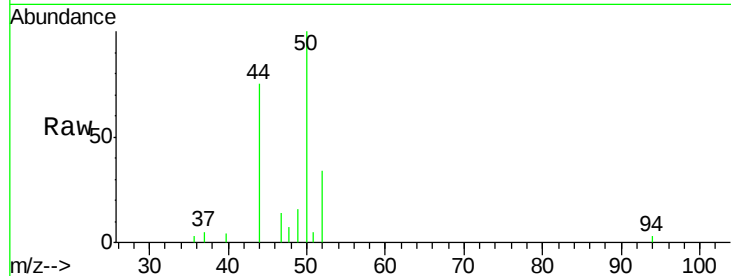
VSTDIC005

Tot Ion: 50 Resp: 31988

Ion Ratio Lower Upper

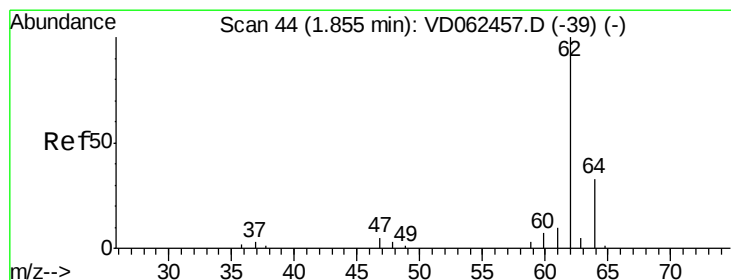
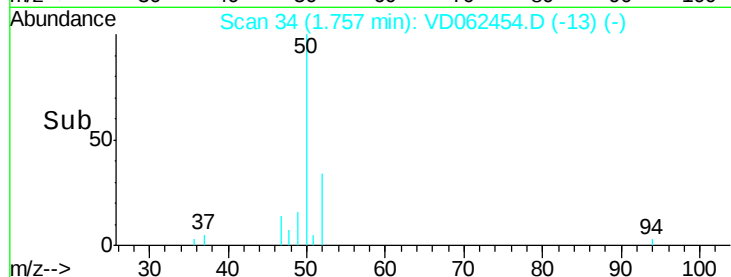
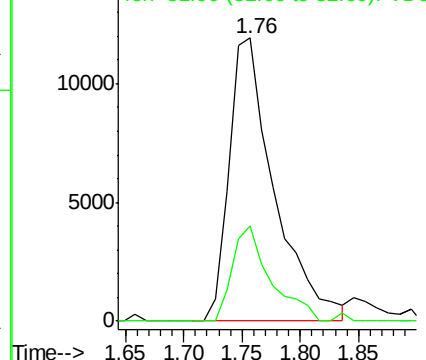
50 100

52 33.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.963 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD062454.D

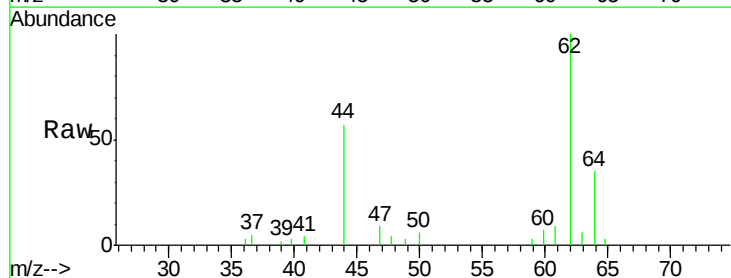
Acq: 20 May 2019 13:56

Tgt Ion: 62 Resp: 28863

Ion Ratio Lower Upper

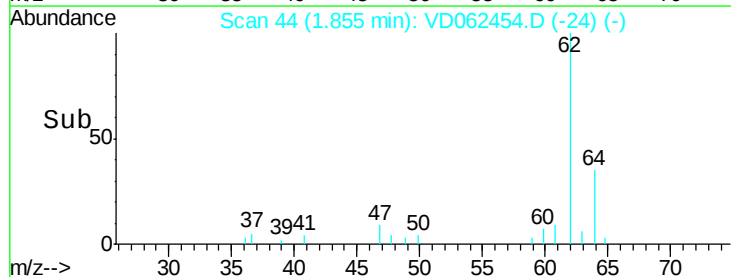
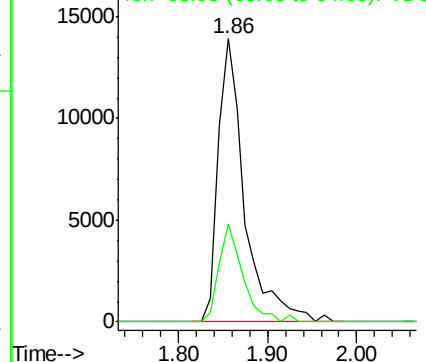
62 100

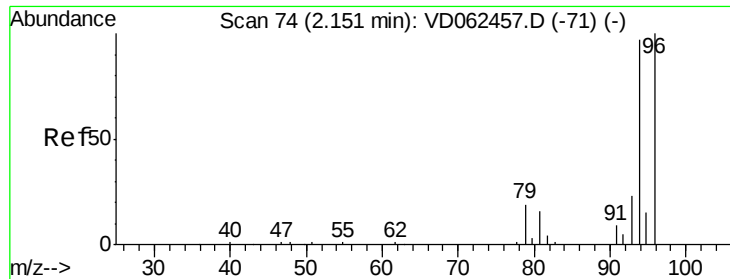
64 34.7 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.907 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

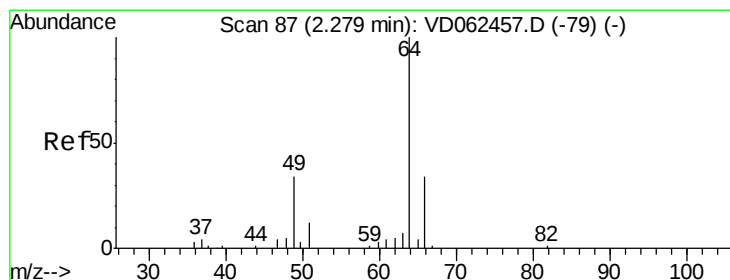
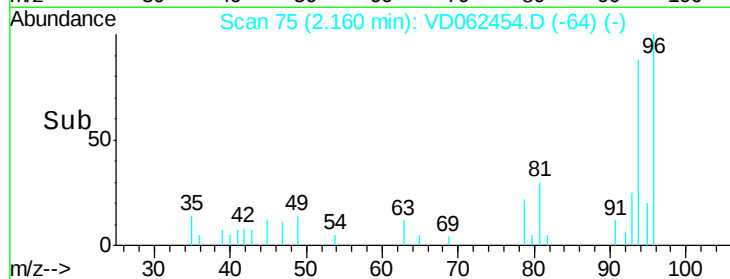
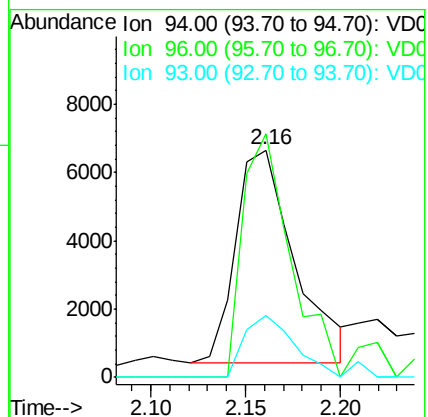
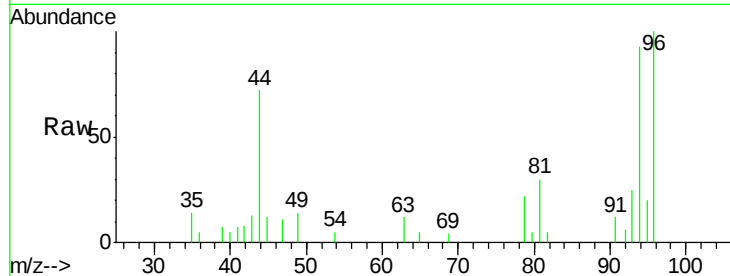
Tot Ion: 94 Resp: 13504

Ion Ratio Lower Upper

94 100

96 107.2 76.6 115.0

93 27.2 18.5 27.7



#6

Chloroethane

Concen: 7.242 ug/l

RT: 2.28 min Scan# 87

Delta R.T. -0.00 min

Lab File: VD062454.D

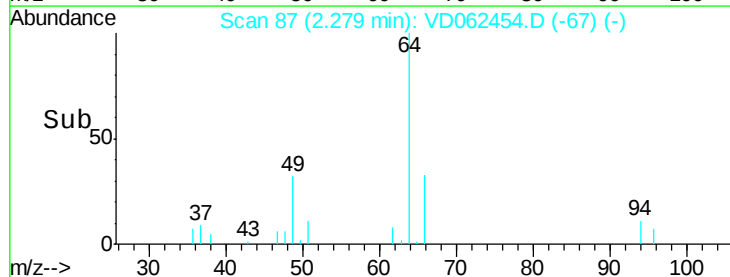
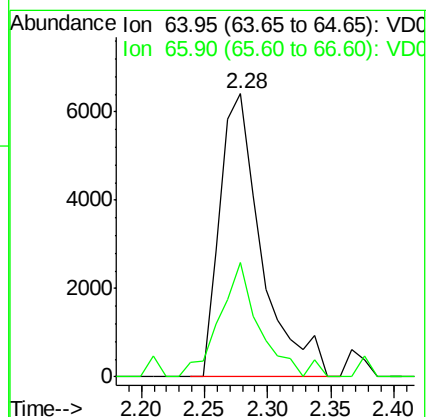
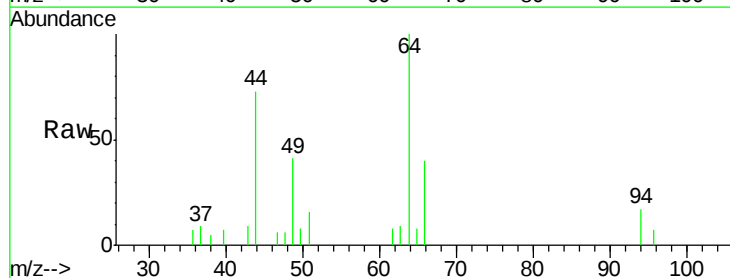
Acq: 20 May 2019 13:56

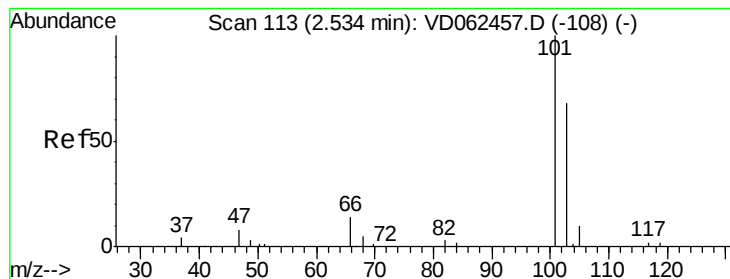
Tgt Ion: 64 Resp: 14709

Ion Ratio Lower Upper

64 100

66 40.4 25.6 38.4#



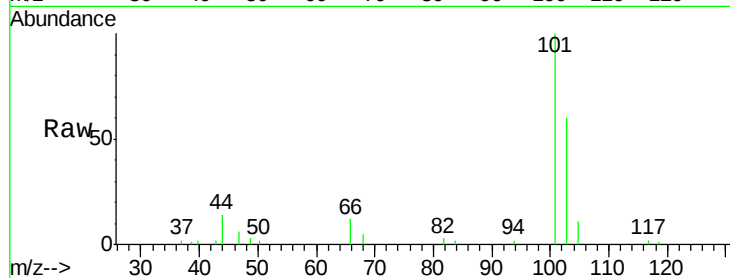


#7

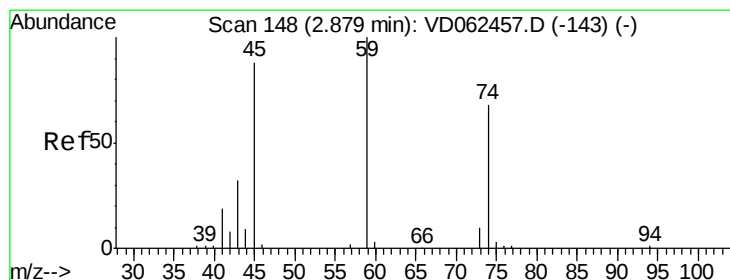
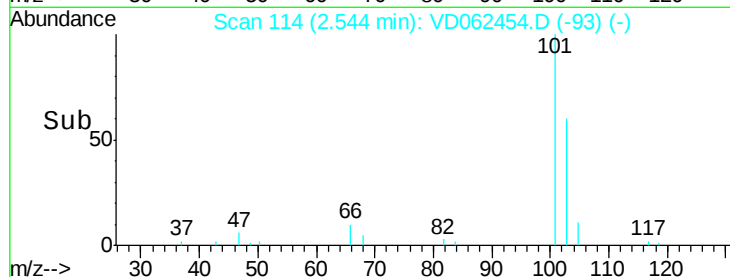
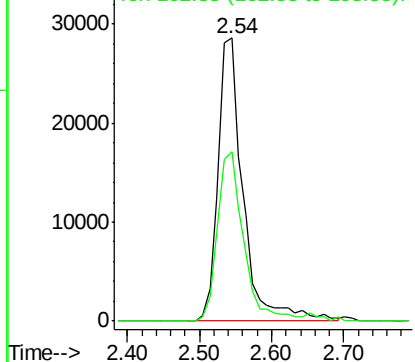
Trichlorofluoromethane  
Concen: 7.274 ug/l  
RT: 2.54 min Scan# 114  
Delta R.T. 0.01 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion:101 Resp: 68452  
Ion Ratio Lower Upper  
101 100  
103 59.9 53.6 80.4



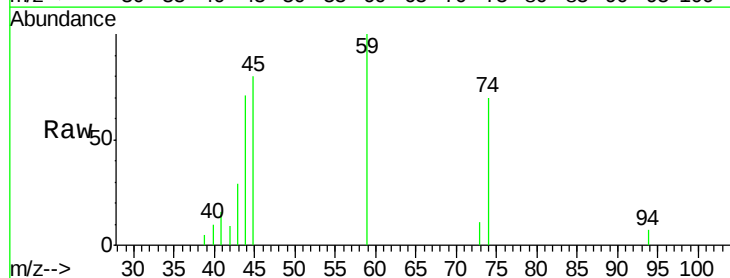
Abundance Ion 100.85 (100.55 to 101.55): V  
Ion 102.85 (102.55 to 103.55): V



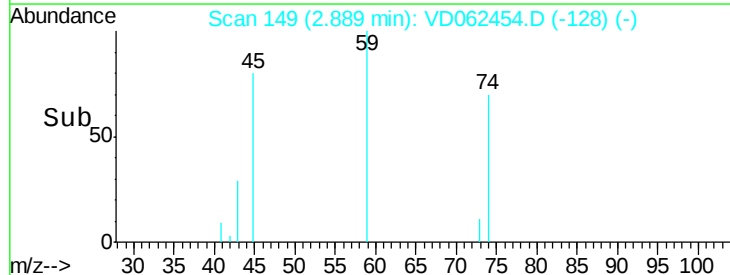
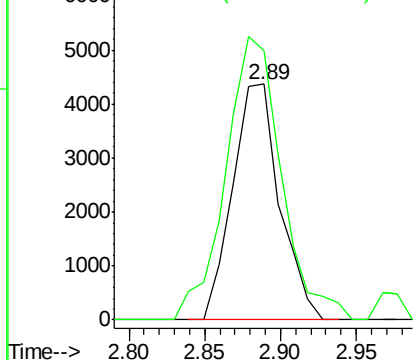
#8

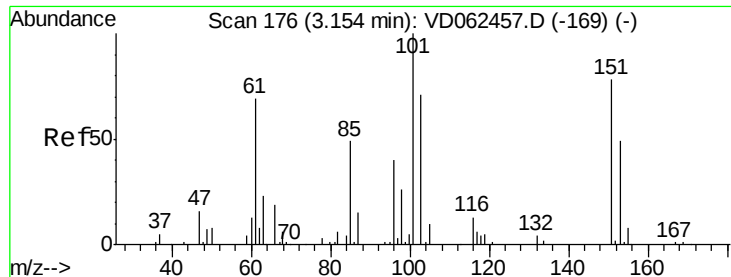
Diethyl Ether  
Concen: 5.219 ug/l  
RT: 2.89 min Scan# 149  
Delta R.T. 0.01 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 74 Resp: 9471  
Ion Ratio Lower Upper  
74 100  
45 114.3 56.9 170.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.357 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

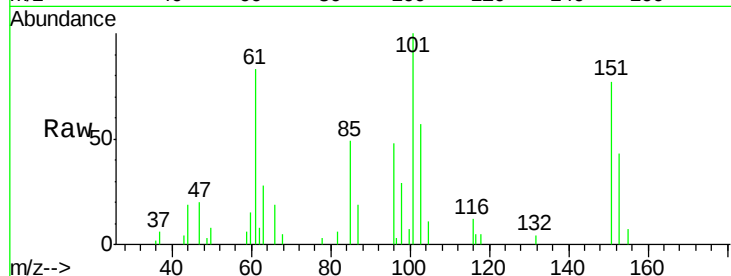
Tot Ion:101 Resp: 38137

Ion Ratio Lower Upper

101 100

85 48.6 32.4 48.6#

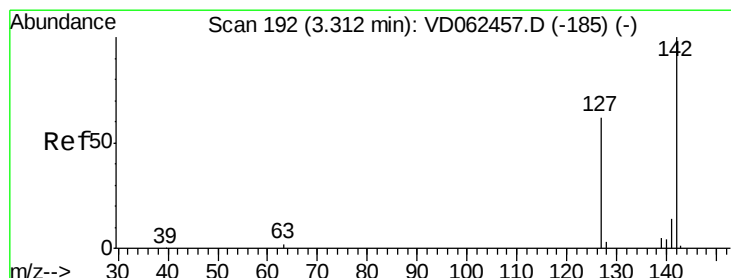
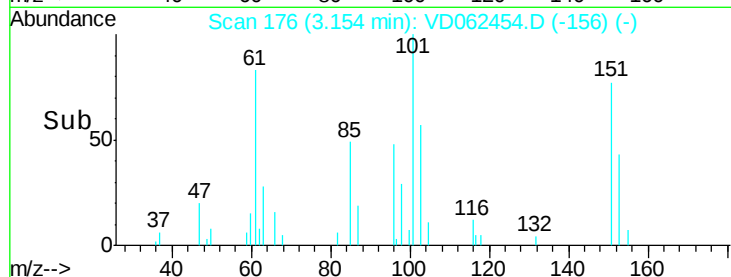
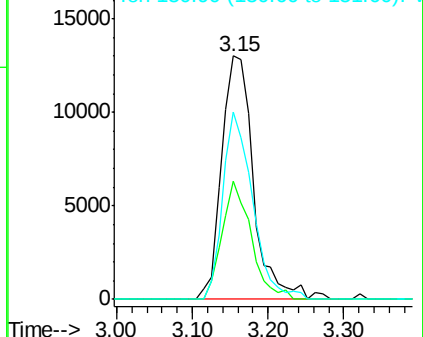
151 77.1 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 3.999 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

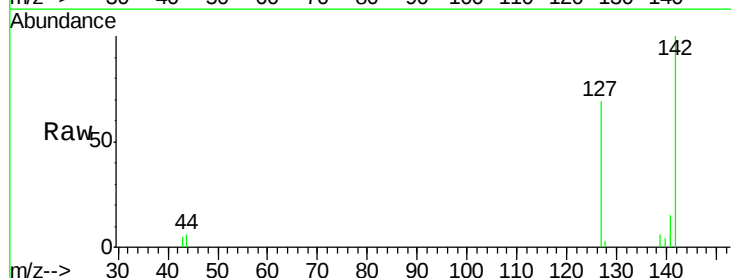
Tgt Ion:142 Resp: 43028

Ion Ratio Lower Upper

142 100

127 69.4 38.8 58.2#

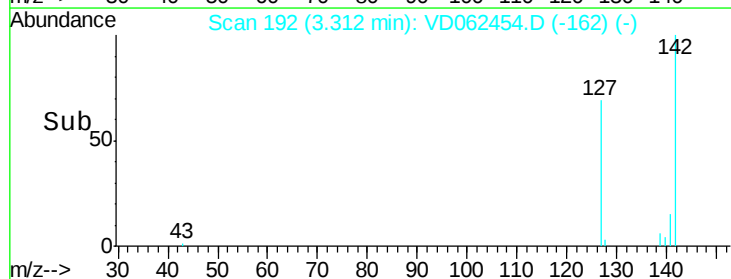
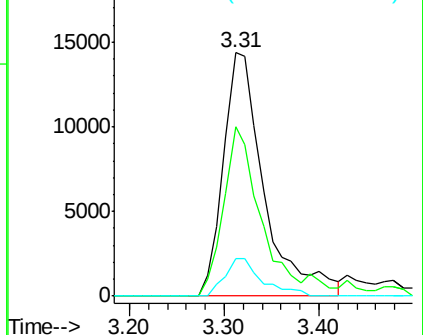
141 15.3 11.4 17.0

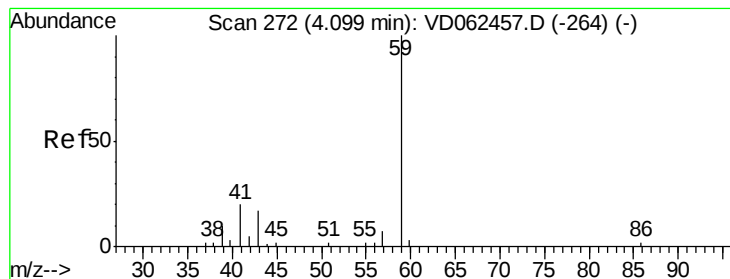


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



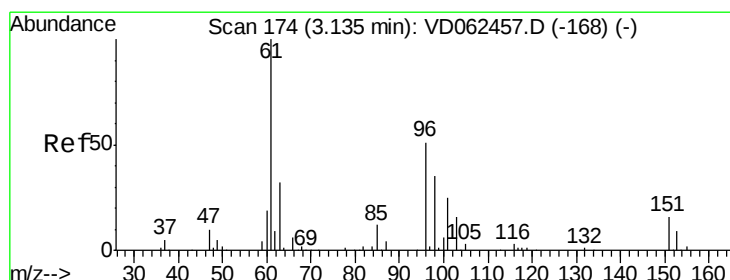
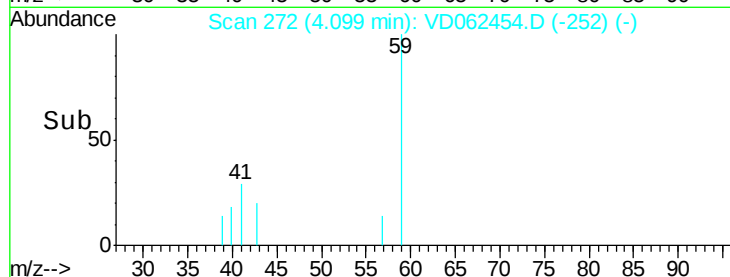
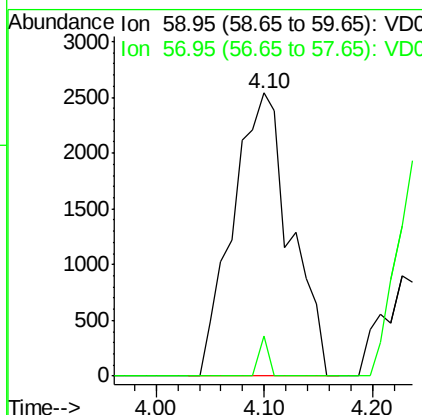
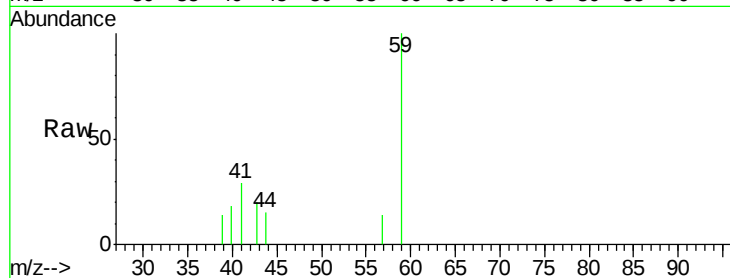


#11

Tert butyl alcohol  
 Concen: 27.838 ug/l  
 RT: 4.10 min Scan# 272  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

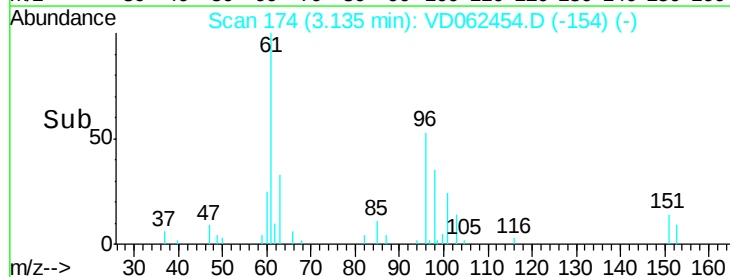
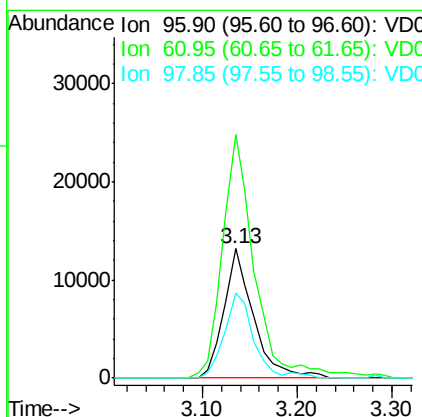
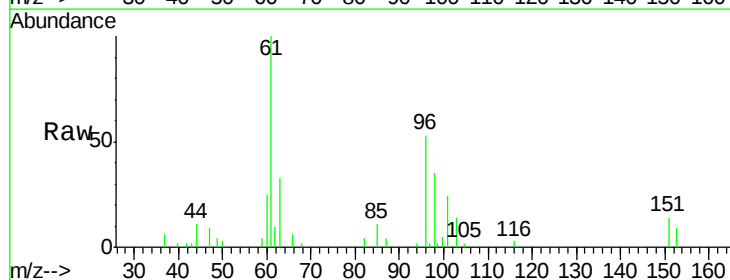
Tot Ion: 59 Resp: 9411  
 Ion Ratio Lower Upper  
 59 100  
 57 14.0 6.9 10.3#

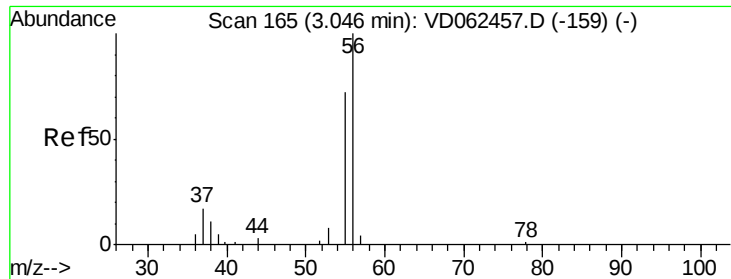


#12

1,1-Dichloroethene  
 Concen: 5.275 ug/l  
 RT: 3.13 min Scan# 174  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 96 Resp: 28665  
 Ion Ratio Lower Upper  
 96 100  
 61 188.0 129.8 194.8  
 98 65.5 51.2 76.8





#13

Acrolein

Concen: 23.786 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

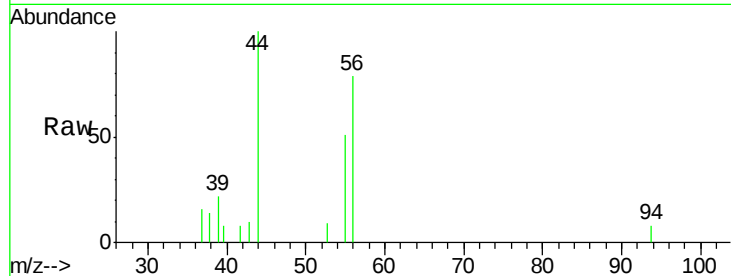
VSTDIC005

Tot Ion: 56 Resp: 8317

Ion Ratio Lower Upper

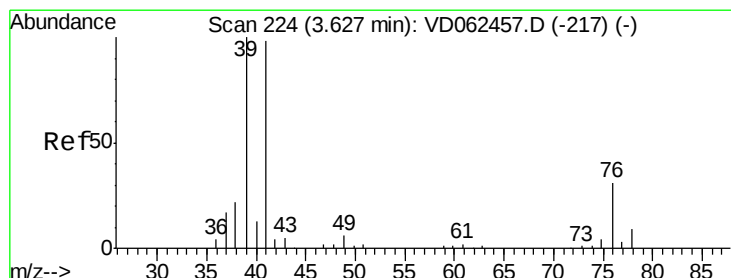
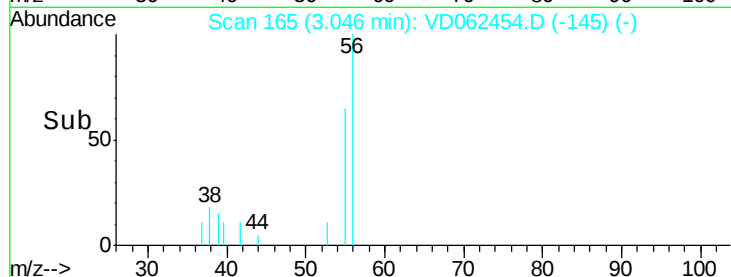
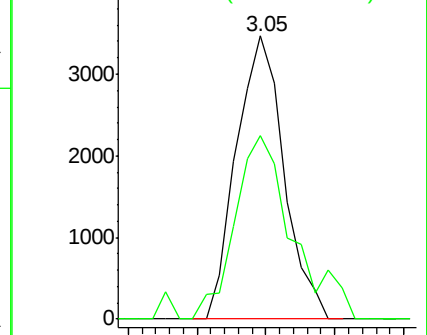
56 100

55 64.6 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.352 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

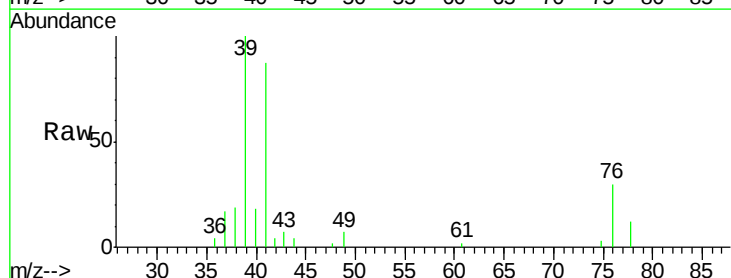
Tgt Ion: 41 Resp: 42287

Ion Ratio Lower Upper

41 100

39 115.5 60.5 90.7#

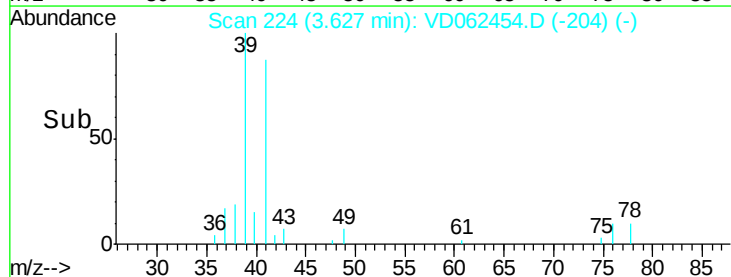
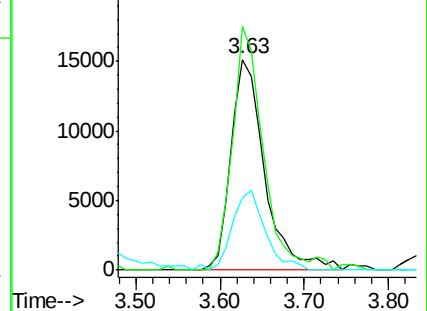
76 34.1 31.8 47.8

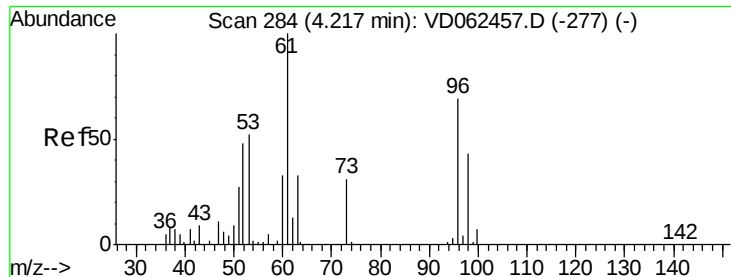


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

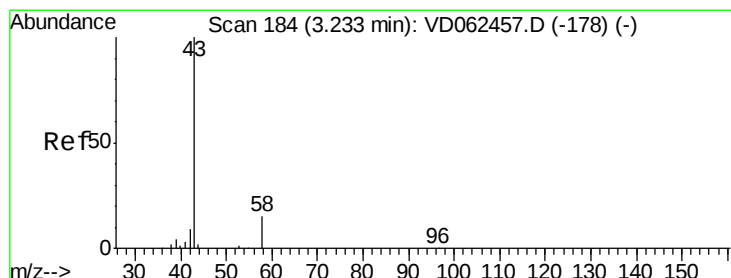
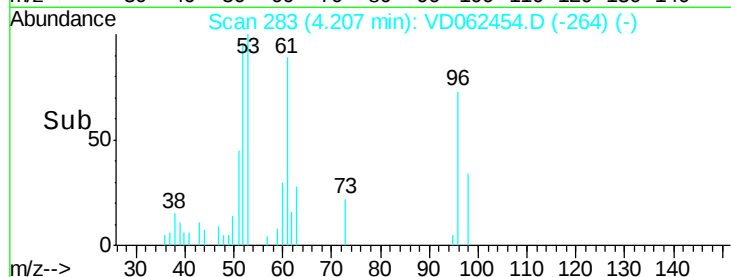
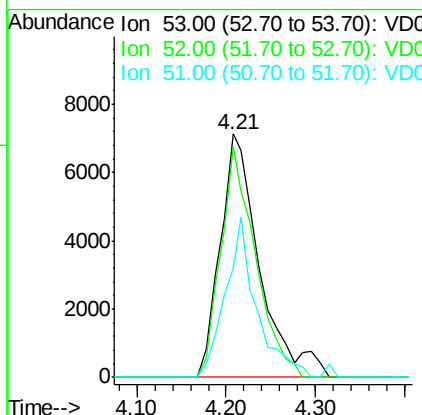
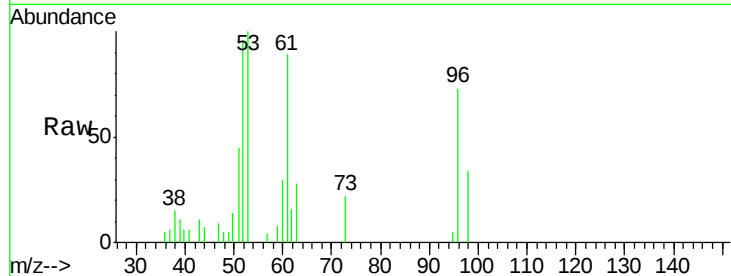




#15  
 Acrylonitrile  
 Concen: 24.765 ug/l  
 RT: 4.21 min Scan# 283  
 Delta R.T. -0.01 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

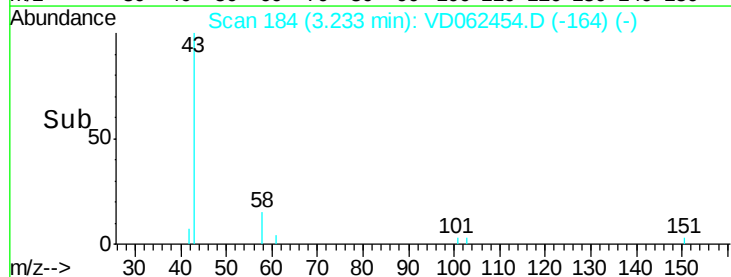
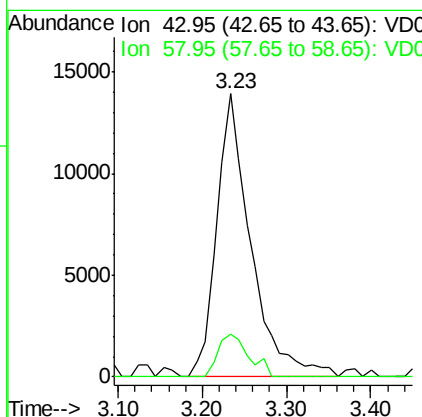
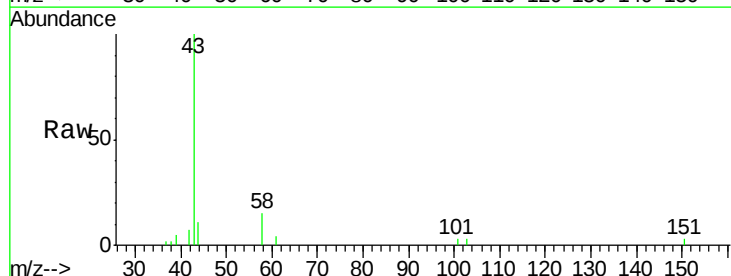
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

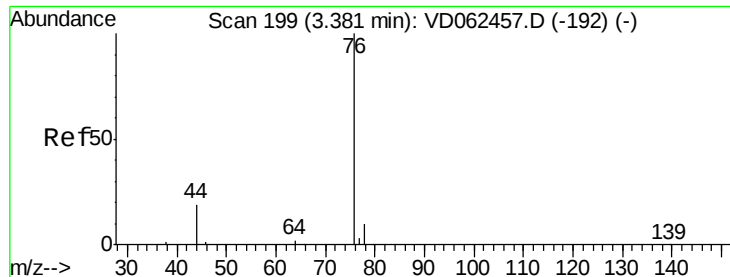
Tot Ion: 53 Resp: 22006  
 Ion Ratio Lower Upper  
 53 100  
 52 95.0 65.0 97.4  
 51 44.9 32.6 48.8



#16  
 Acetone  
 Concen: 28.218 ug/l  
 RT: 3.23 min Scan# 184  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 43 Resp: 39191  
 Ion Ratio Lower Upper  
 43 100  
 58 15.1 19.9 29.9#





#17

Carbon Disulfide

Concen: 5.310 ug/l

RT: 3.38 min Scan# 199

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

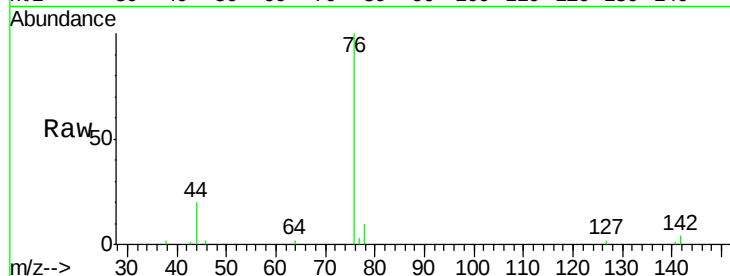
VSTDIC005

Tot Ion: 76 Resp: 83011

Ion Ratio Lower Upper

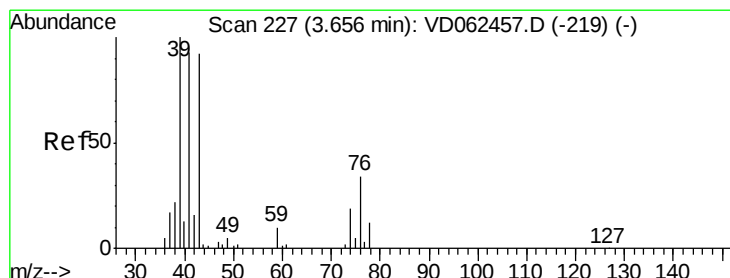
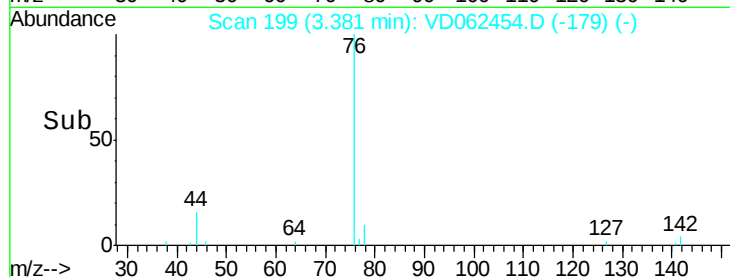
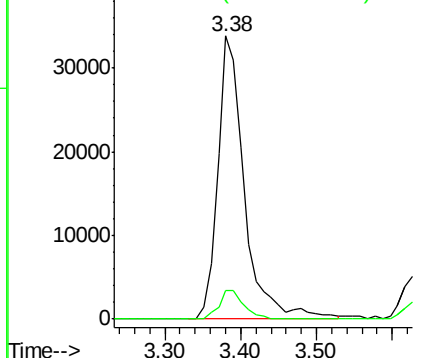
76 100

78 10.1 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 4.612 ug/l

RT: 3.66 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD062454.D

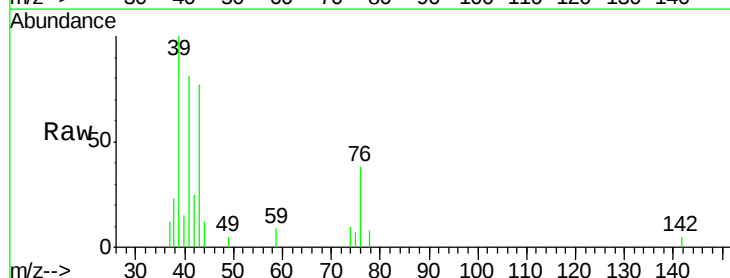
Acq: 20 May 2019 13:56

Tgt Ion: 43 Resp: 12565

Ion Ratio Lower Upper

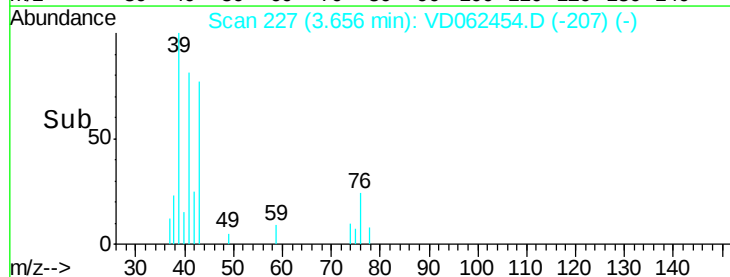
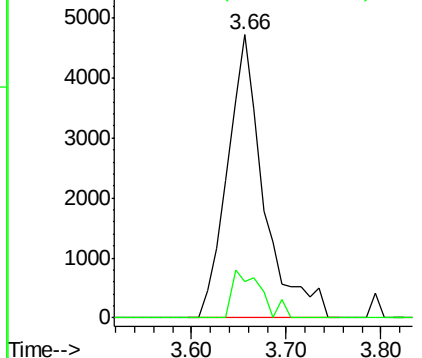
43 100

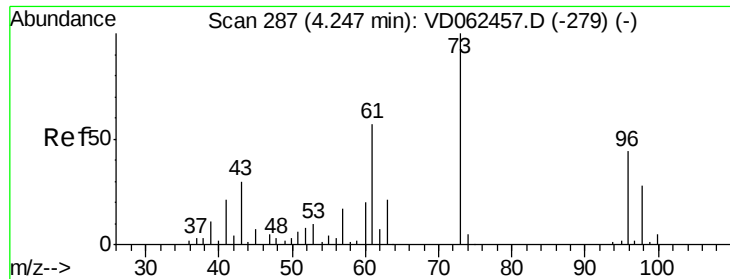
74 12.6 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



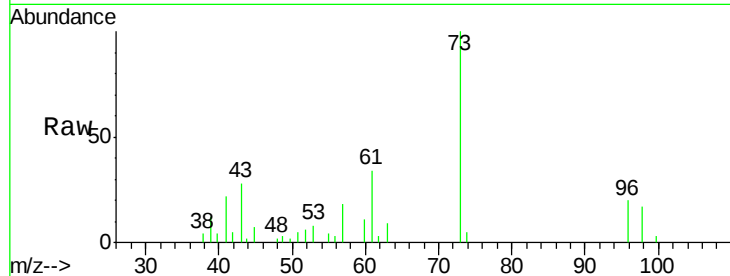


#19

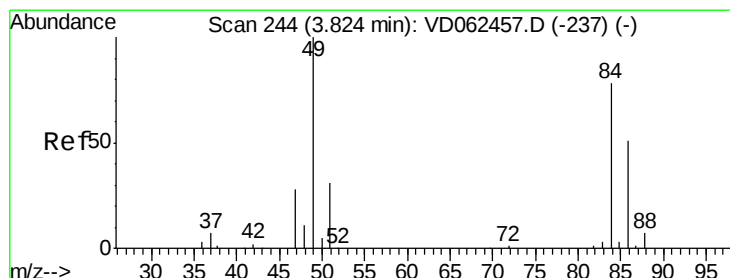
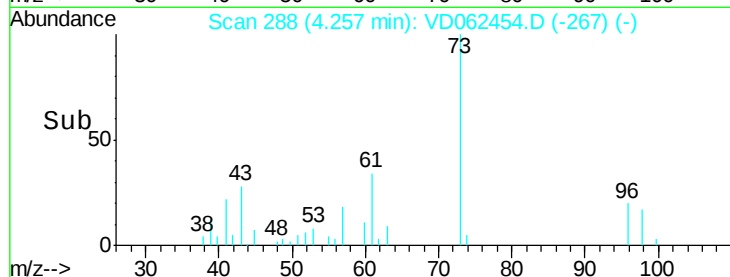
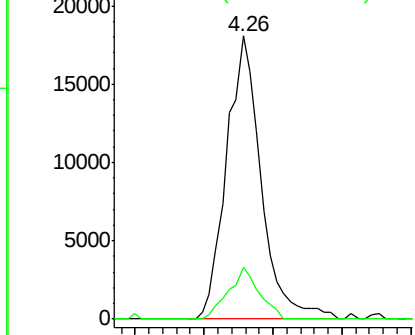
Methyl tert-butyl Ether  
 Concen: 5.408 ug/l  
 RT: 4.26 min Scan# 288  
 Delta R.T. 0.01 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 73 Resp: 62991  
 Ion Ratio Lower Upper  
 73 100  
 57 18.4 16.3 24.5



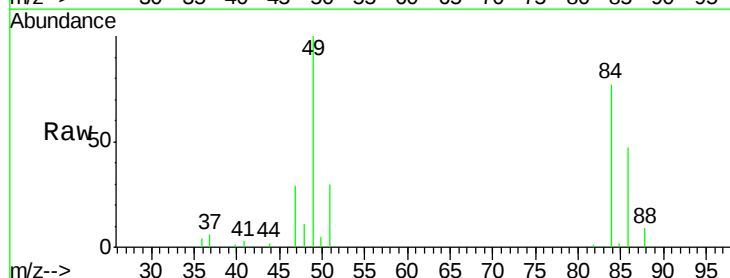
Abundance Ion 73.00 (72.70 to 73.70): VDC  
 Ion 57.05 (56.75 to 57.75): VDC



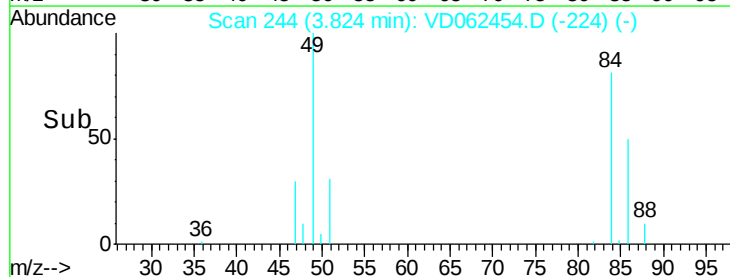
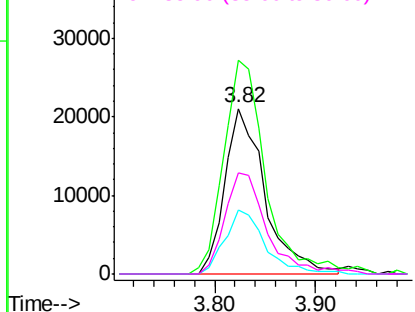
#20

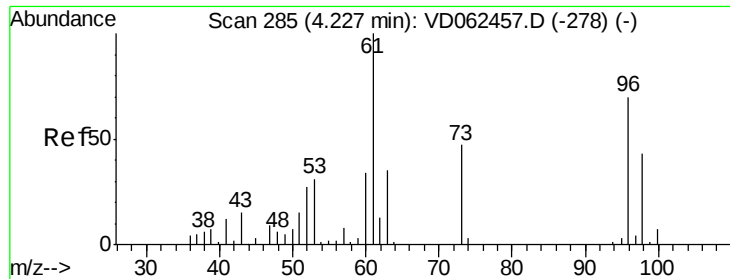
Methylene Chloride  
 Concen: 10.082 ug/l  
 RT: 3.82 min Scan# 244  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 84 Resp: 58468  
 Ion Ratio Lower Upper  
 84 100  
 49 129.1 94.0 141.0  
 51 38.7 29.0 43.4  
 86 61.0 49.8 74.6



Abundance Ion 83.95 (83.65 to 84.65): VDC  
 Ion 48.90 (48.60 to 49.60): VDC  
 Ion 50.90 (50.60 to 51.60): VDC  
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 5.351 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

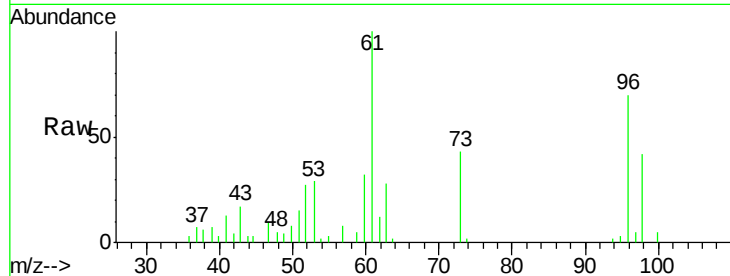
Tot Ion: 96 Resp: 32354

Ion Ratio Lower Upper

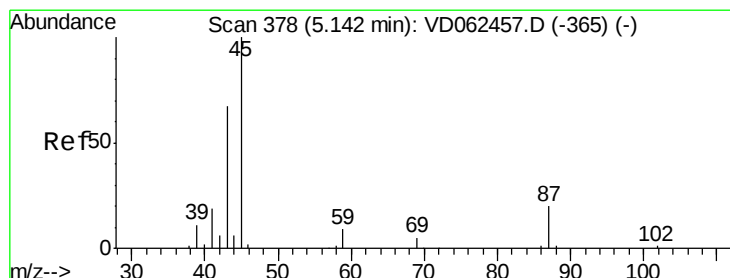
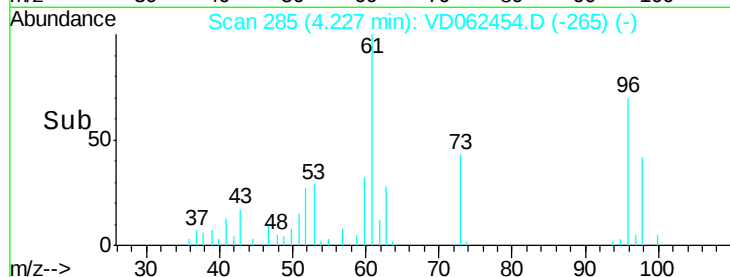
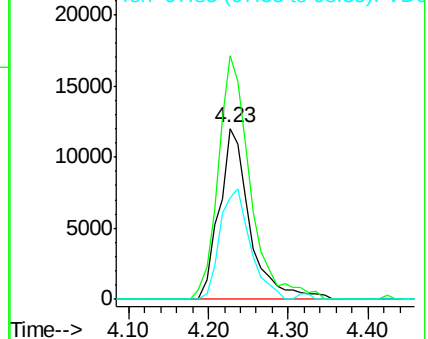
96 100

61 142.5 104.4 156.6

98 59.5 51.8 77.8



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



#22

Diisopropyl ether

Concen: 5.009 ug/l

RT: 5.13 min Scan# 377

Delta R.T. -0.01 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Tgt Ion: 45 Resp: 84216

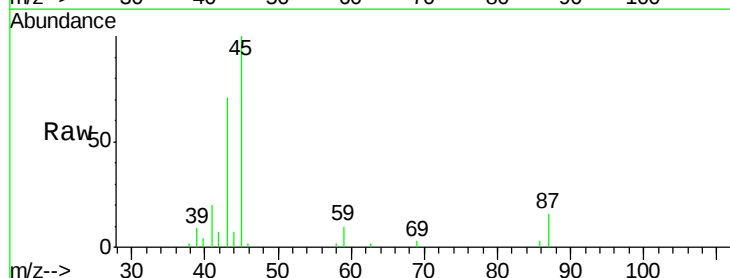
Ion Ratio Lower Upper

45 100

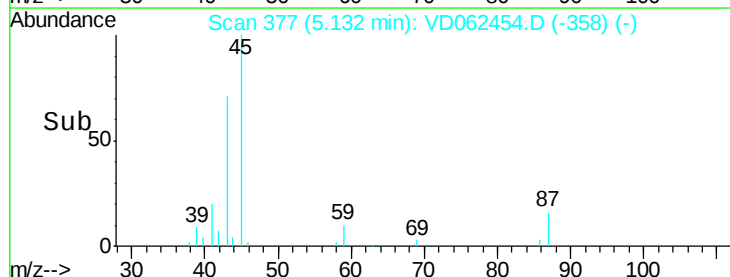
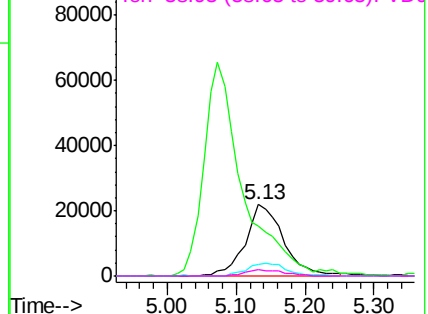
43 70.5 46.2 69.2#

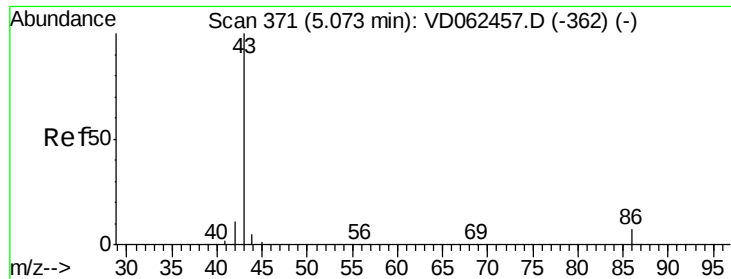
87 16.0 15.9 23.9

59 9.5 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC  
Ion 43.05 (42.75 to 43.75): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 28.633 ug/l

RT: 5.07 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

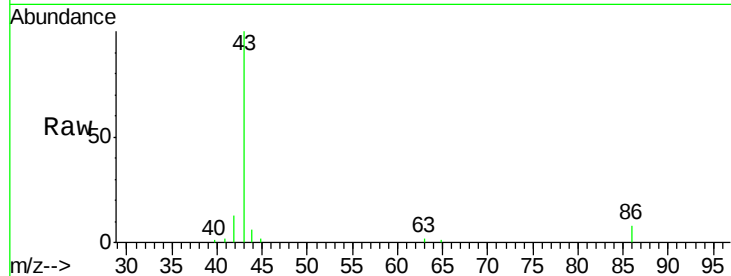
VSTDIC005

Tot Ion: 43 Resp: 253998

Ion Ratio Lower Upper

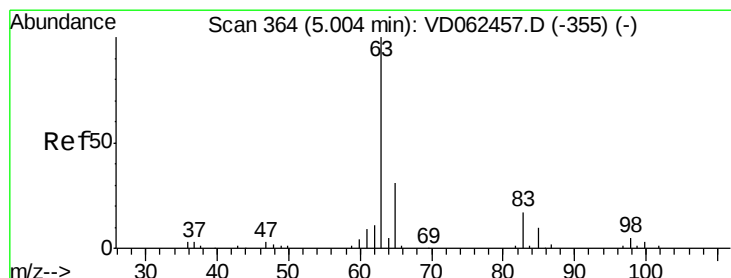
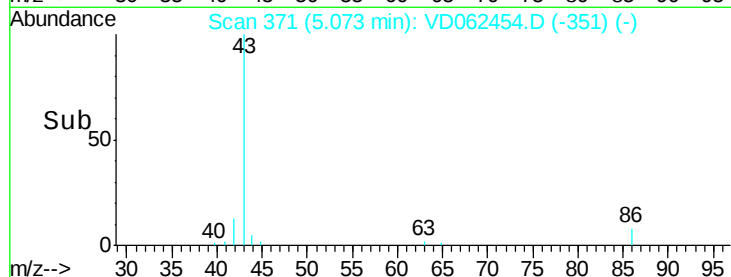
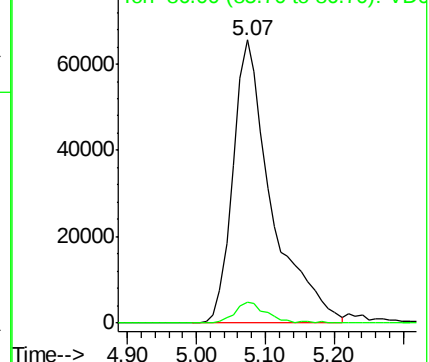
43 100

86 7.6 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.590 ug/l

RT: 5.00 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

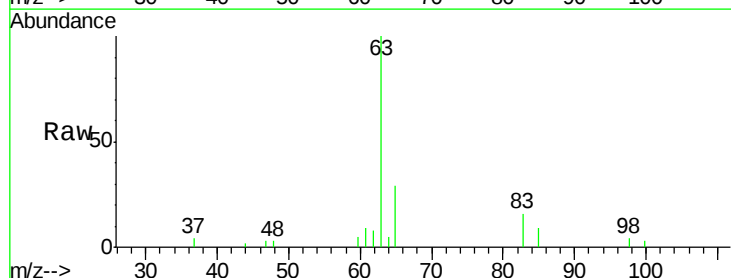
Tgt Ion: 63 Resp: 56701

Ion Ratio Lower Upper

63 100

98 4.4 2.8 8.4

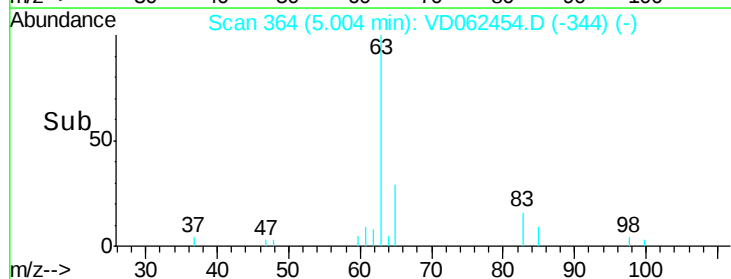
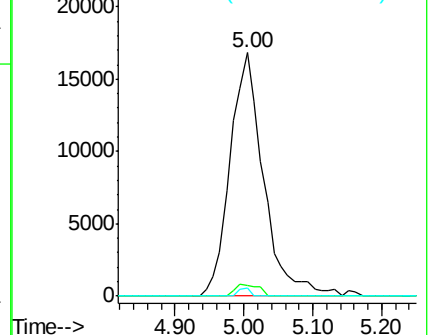
100 3.3 1.8 5.5

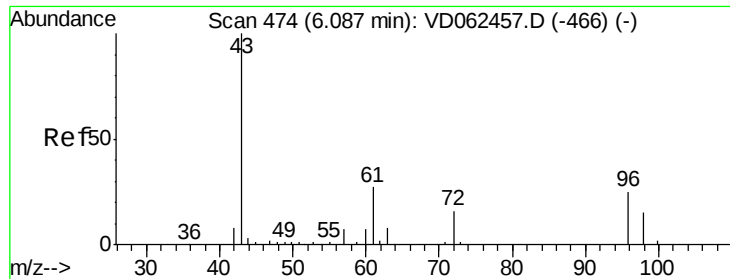


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 24.786 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

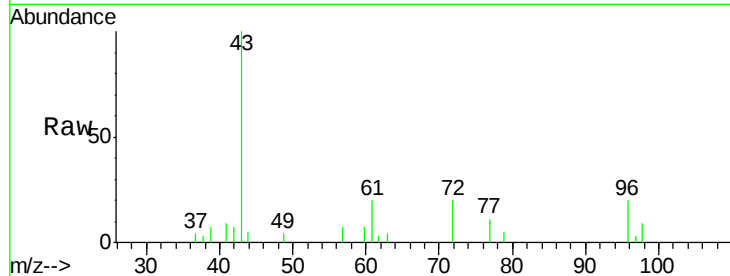
VSTDIC005

Tot Ion: 43 Resp: 37550

Ion Ratio Lower Upper

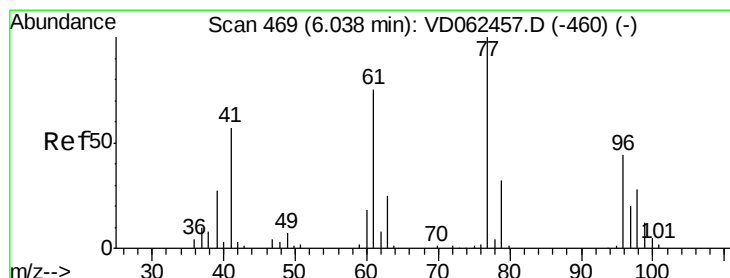
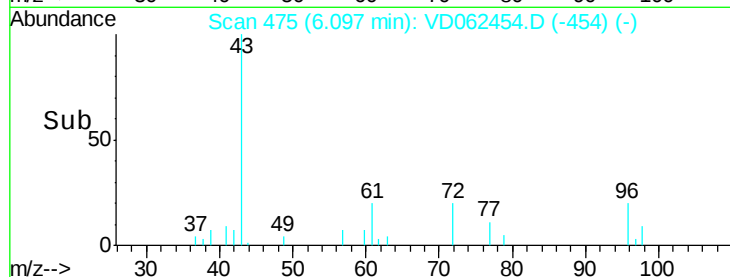
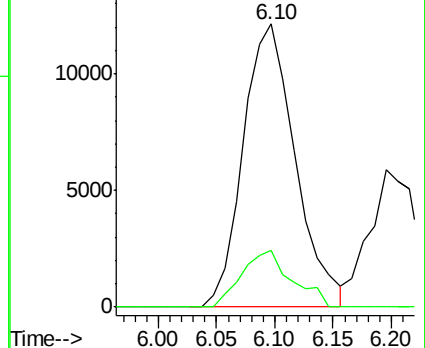
43 100

72 20.0 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 6.210 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD062454.D

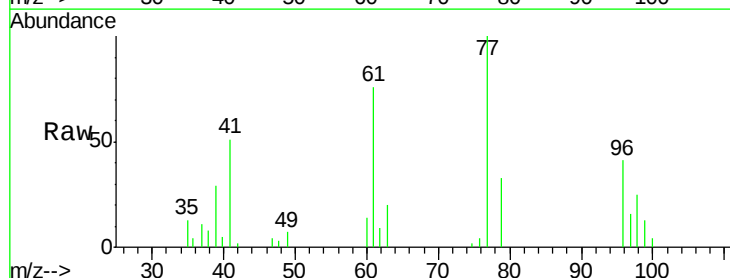
Acq: 20 May 2019 13:56

Tgt Ion: 77 Resp: 62738

Ion Ratio Lower Upper

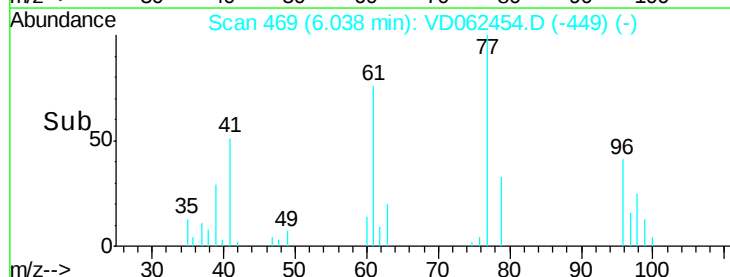
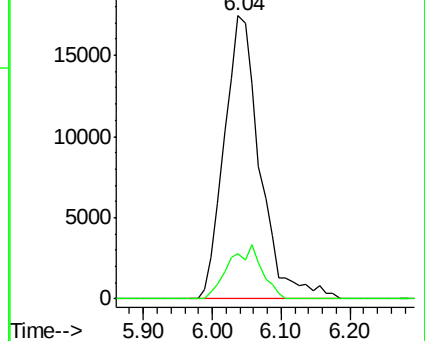
77 100

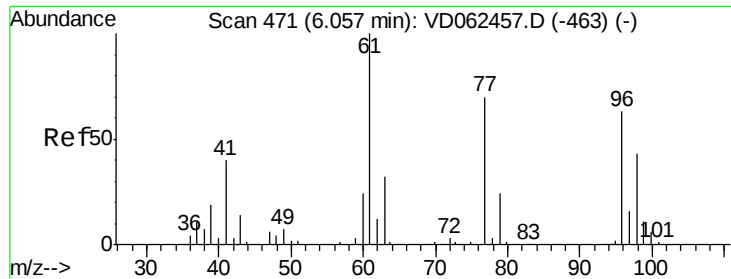
97 16.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



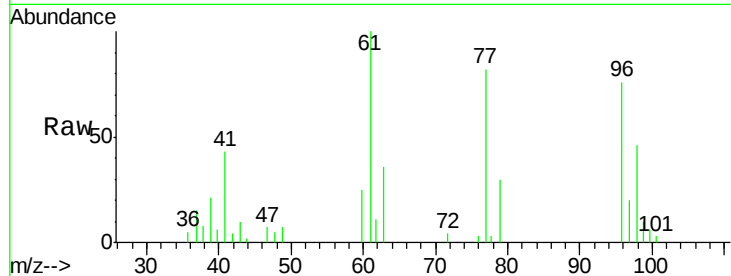


#27

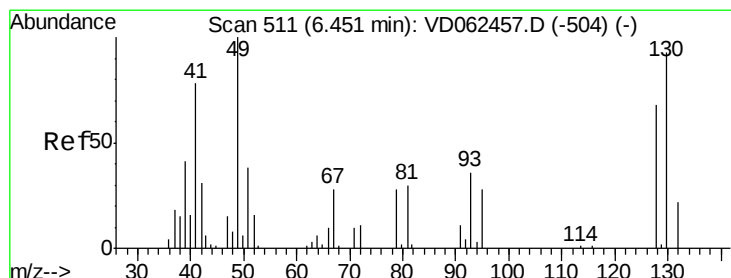
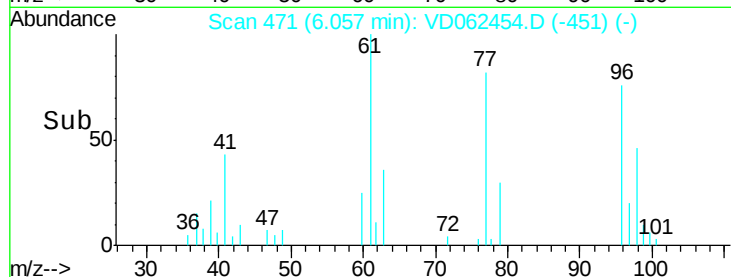
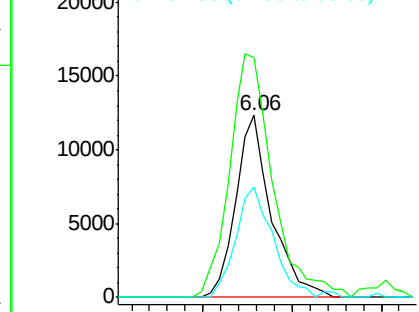
cis-1,2-Dichloroethene  
Concen: 5.083 ug/l  
RT: 6.06 min Scan# 471  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion: 96 Resp: 34406  
Ion Ratio Lower Upper  
96 100  
61 132.0 0.0 279.8  
98 60.8 0.0 136.0



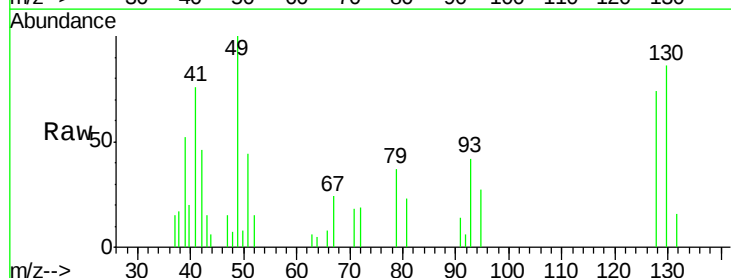
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



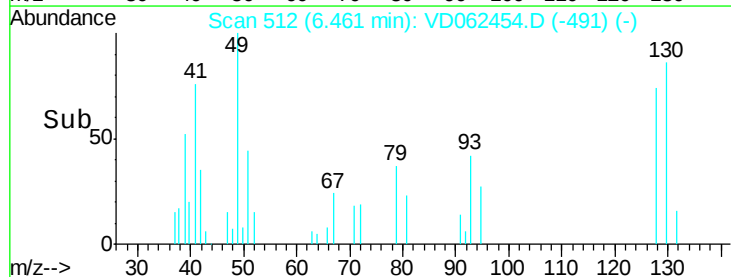
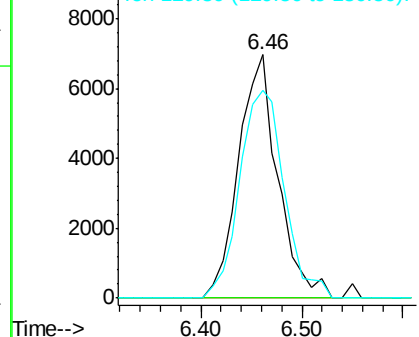
#28

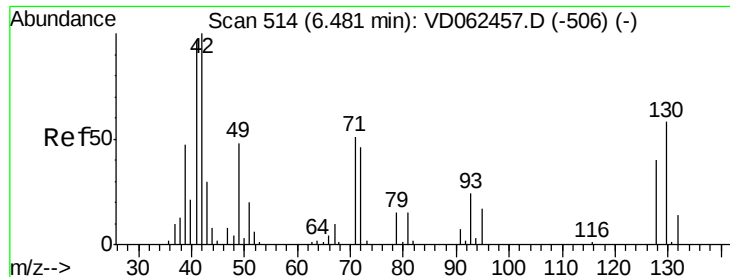
Bromochloromethane  
Concen: 4.719 ug/l  
RT: 6.46 min Scan# 512  
Delta R.T. 0.01 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 49 Resp: 18832  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 6.6  
130 85.6 86.7 130.1#



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





#29

Tetrahydrofuran

Concen: 26.503 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.01 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

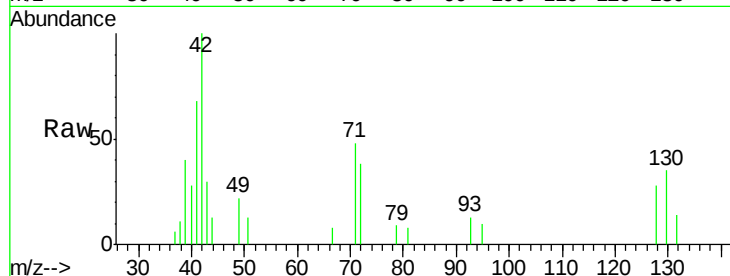
Tot Ion: 42 Resp: 18500

Ion Ratio Lower Upper

42 100

72 36.9 37.8 56.6#

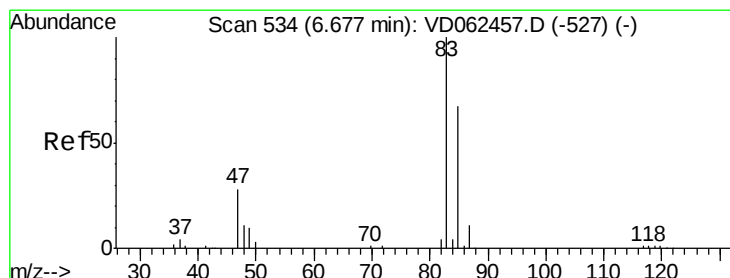
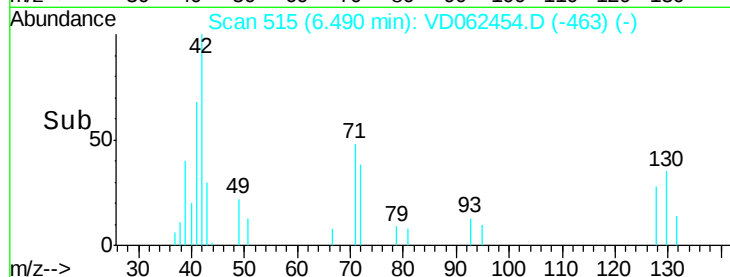
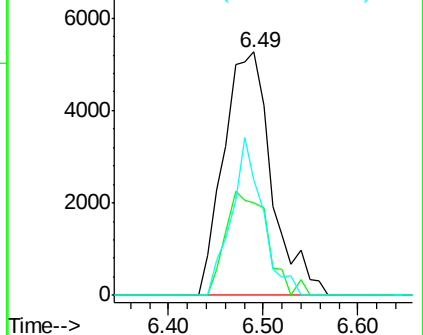
71 41.9 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 5.869 ug/l

RT: 6.69 min Scan# 535

Delta R.T. 0.01 min

Lab File: VD062454.D

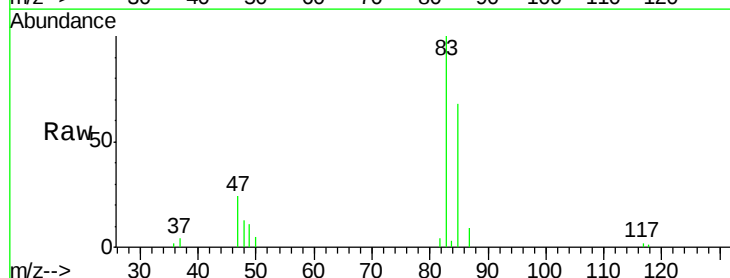
Acq: 20 May 2019 13:56

Tgt Ion: 83 Resp: 71741

Ion Ratio Lower Upper

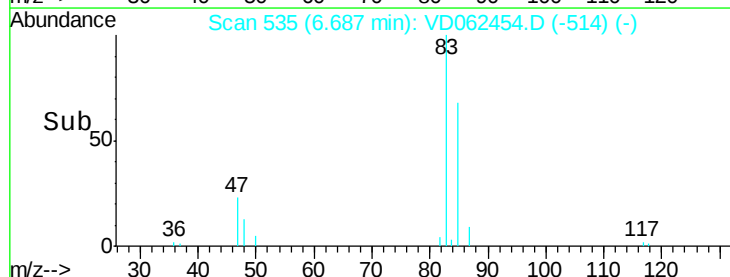
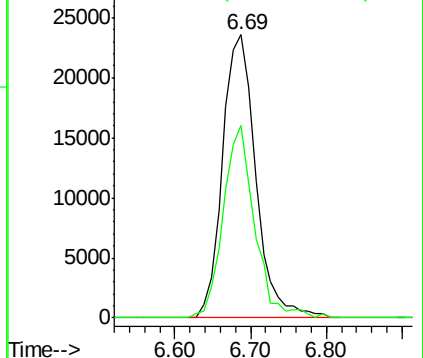
83 100

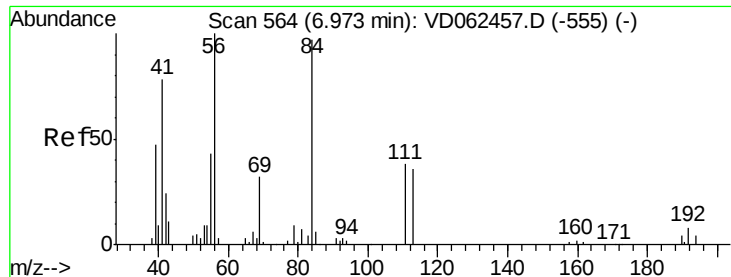
85 68.1 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

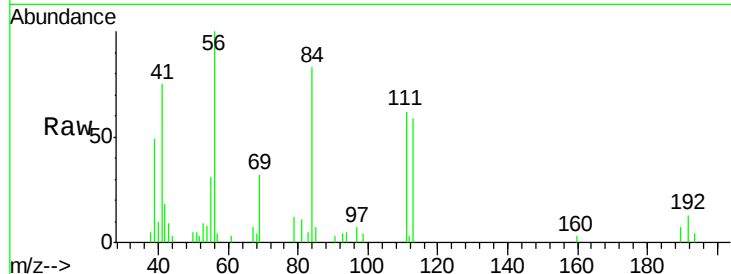




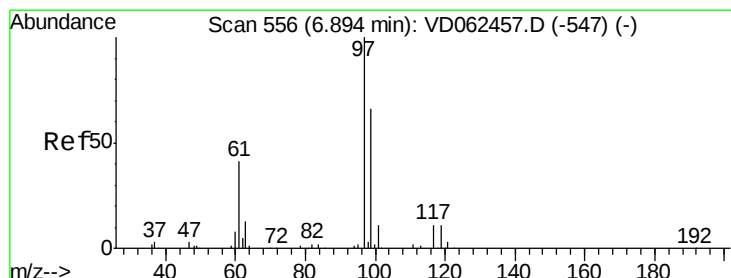
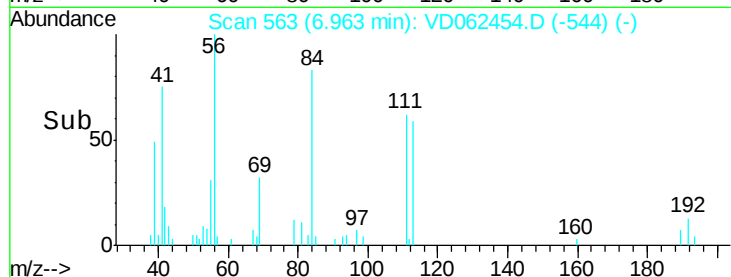
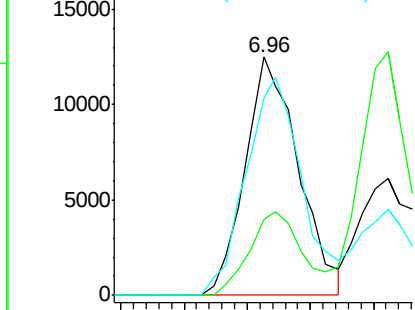
#31  
Cyclohexane  
Concen: 5.274 ug/l  
RT: 6.96 min Scan# 563  
Delta R.T. -0.01 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion: 56 Resp: 36649  
Ion Ratio Lower Upper  
56 100  
69 31.9 25.8 38.6  
84 83.1 72.2 108.4

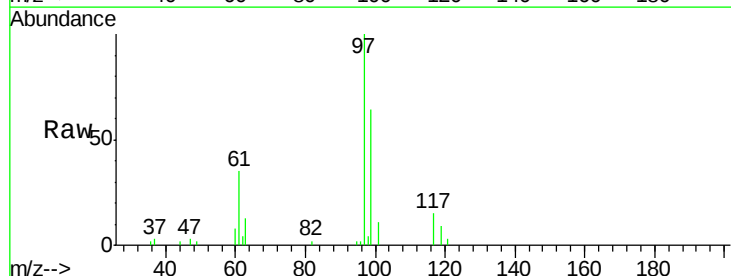


Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC

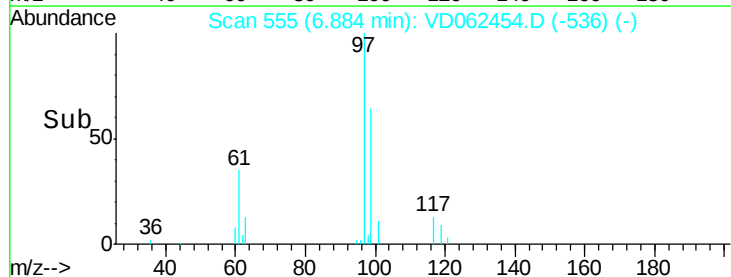
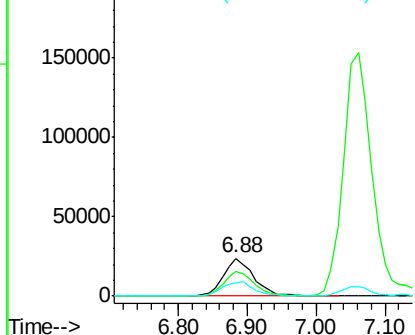


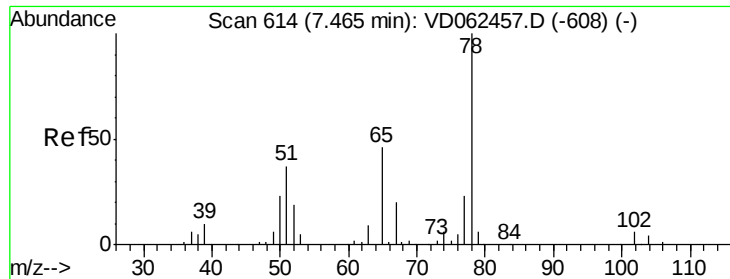
#32  
1,1,1-Trichloroethane  
Concen: 6.310 ug/l  
RT: 6.88 min Scan# 555  
Delta R.T. -0.01 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 97 Resp: 72908  
Ion Ratio Lower Upper  
97 100  
99 64.3 52.2 78.2  
61 35.4 32.4 48.6



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: 5.105 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.01 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

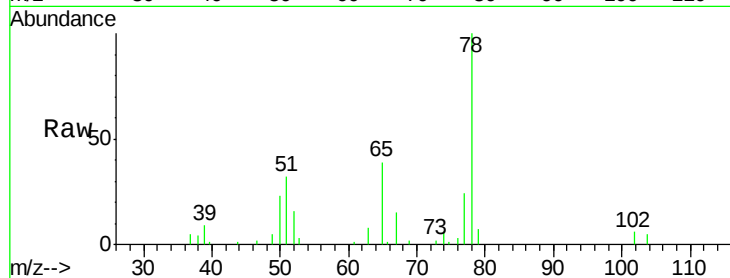
VSTDIC005

Tot Ion: 65 Resp: 33812

Ion Ratio Lower Upper

65 100

67 38.1 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

15000

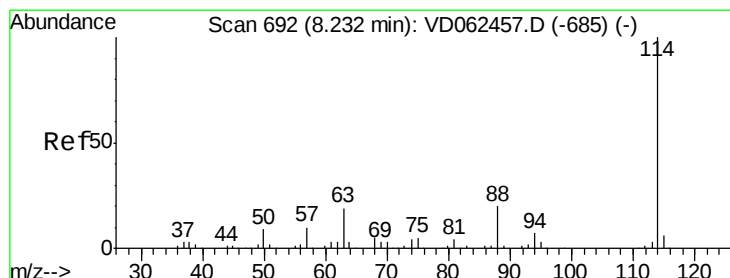
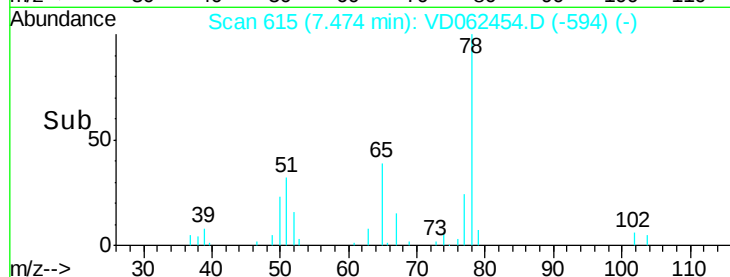
10000

5000

0

7.40 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

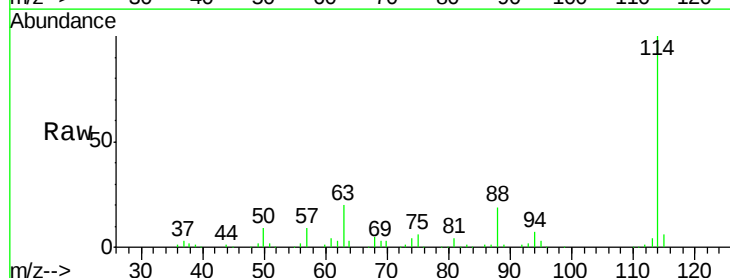
Tgt Ion: 114 Resp: 963239

Ion Ratio Lower Upper

114 100

63 19.7 0.0 32.4

88 18.7 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

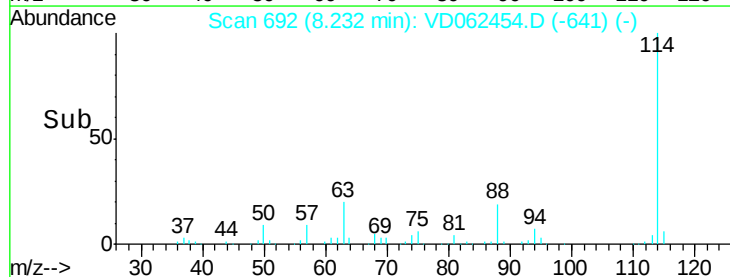
200000

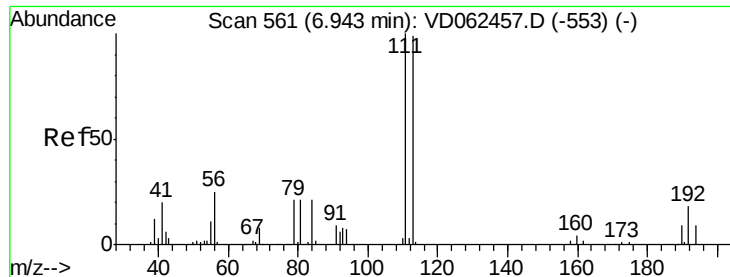
100000

0

8.10 8.20 8.30 8.40

Time-->

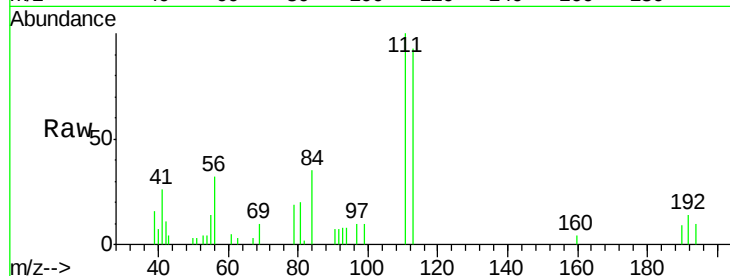




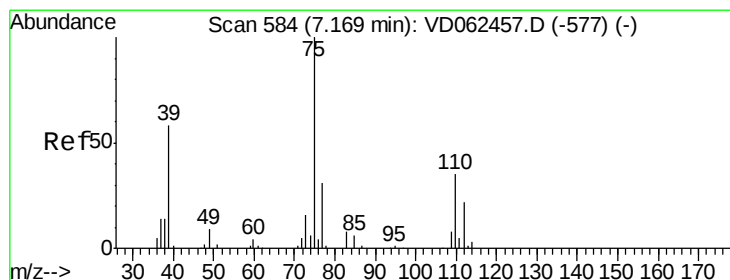
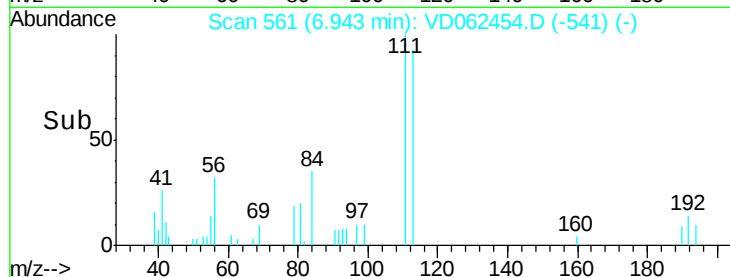
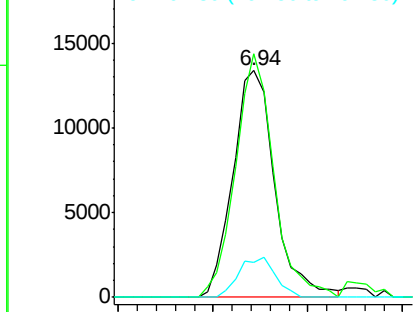
#35  
 Dibromofluoromethane  
 Concen: 5.138 ug/l  
 RT: 6.94 min Scan# 561  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Tot Ion:113 Resp: 41062  
 Ion Ratio Lower Upper  
 113 100  
 111 107.4 78.5 117.7  
 192 15.3 13.0 19.4

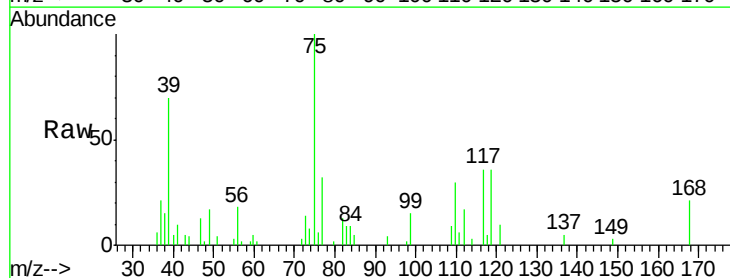


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

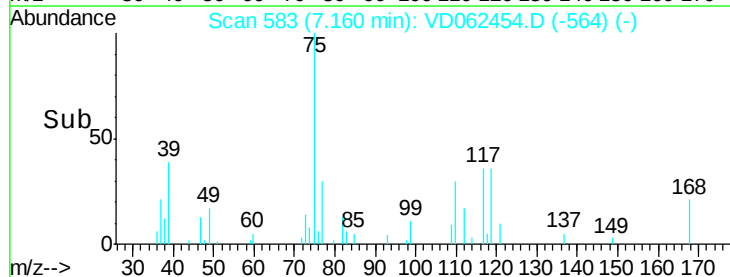
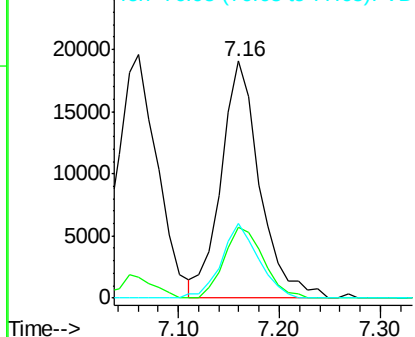


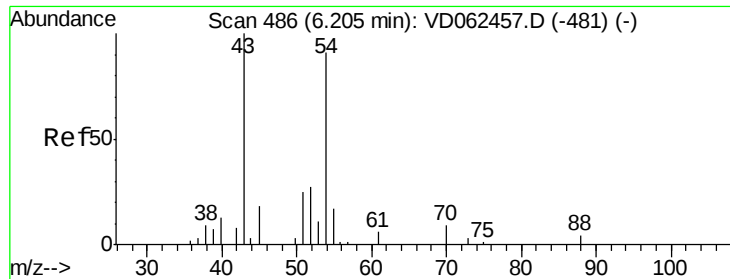
#36  
 1,1-Dichloropropene  
 Concen: 6.428 ug/l  
 RT: 7.16 min Scan# 583  
 Delta R.T. -0.01 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 75 Resp: 50765  
 Ion Ratio Lower Upper  
 75 100  
 110 29.9 19.1 57.1  
 77 31.6 25.6 38.4



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

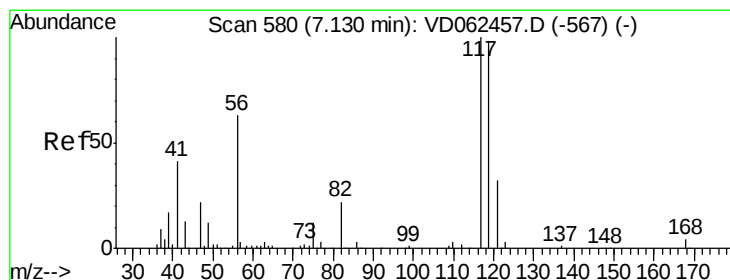
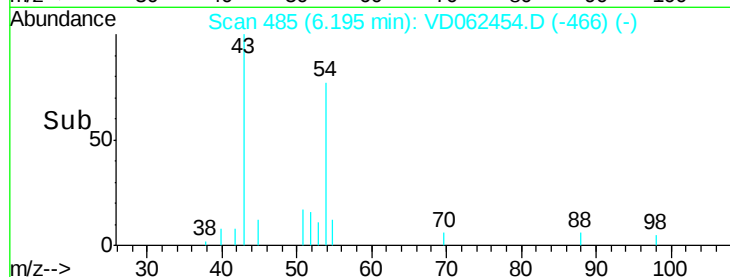
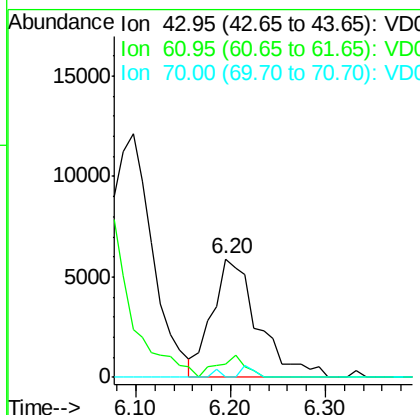
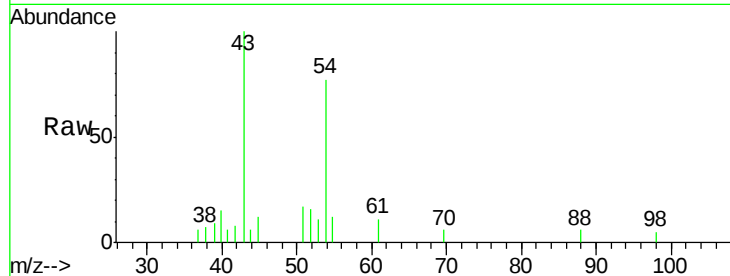




#37  
Ethyl Acetate  
Concen: 5.925 ug/l  
RT: 6.20 min Scan# 485  
Delta R.T. -0.01 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

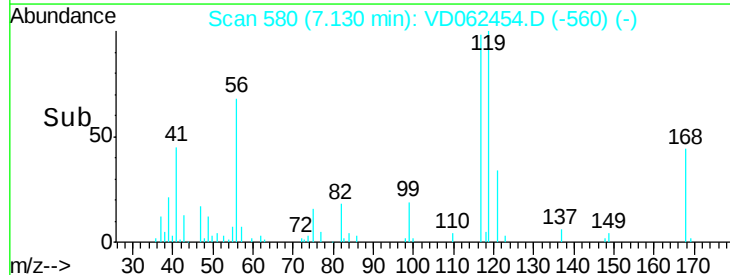
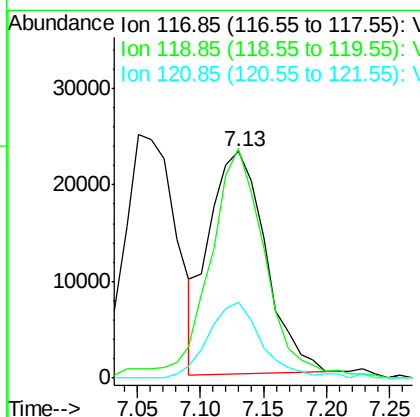
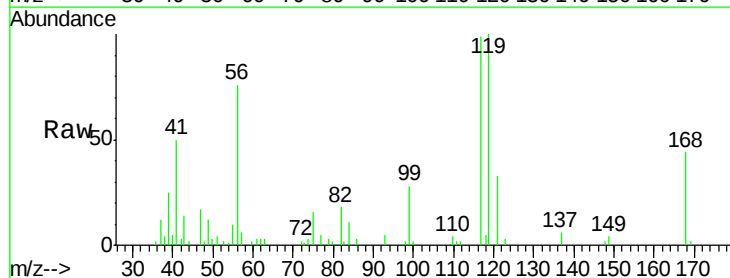
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

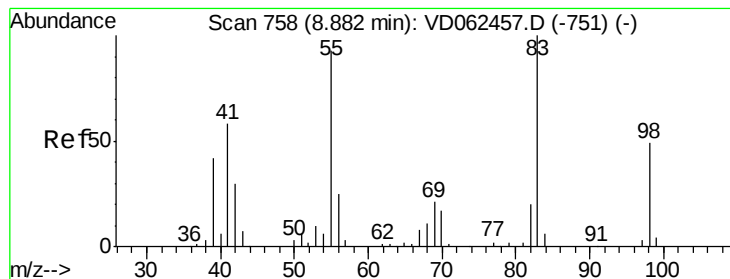
Tot Ion: 43 Resp: 19843  
Ion Ratio Lower Upper  
43 100  
61 11.0 14.7 22.1#  
70 0.0 7.8 11.6#



#38  
Carbon Tetrachloride  
Concen: 6.493 ug/l  
RT: 7.13 min Scan# 580  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 117 Resp: 70970  
Ion Ratio Lower Upper  
117 100  
119 101.5 75.8 113.8  
121 33.7 25.9 38.9





#39

Methvlcvclohexane

Concen: 5.319 ug/l

RT: 8.88 min Scan# 758

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

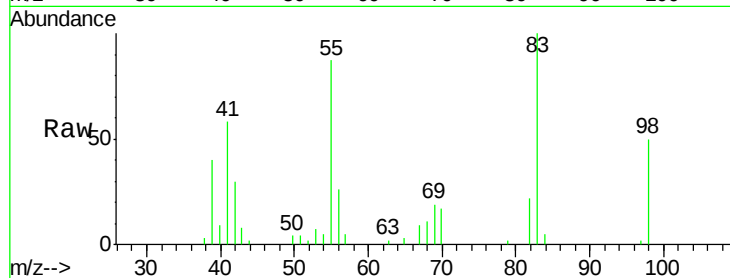
Tot Ion: 83 Resp: 40251

Ion Ratio Lower Upper

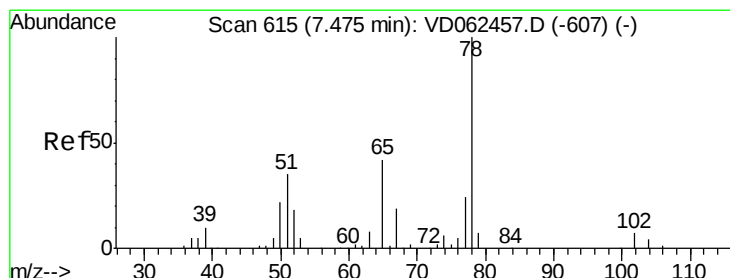
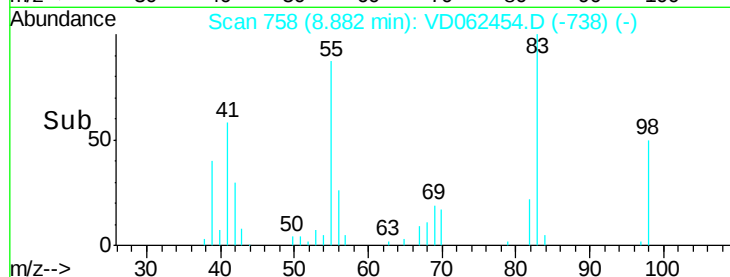
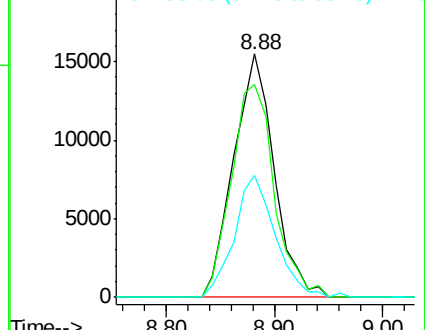
83 100

55 87.3 68.2 102.4

98 50.3 38.2 57.4



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



#40

Benzene

Concen: 5.455 ug/l

RT: 7.47 min Scan# 615

Delta R.T. -0.00 min

Lab File: VD062454.D

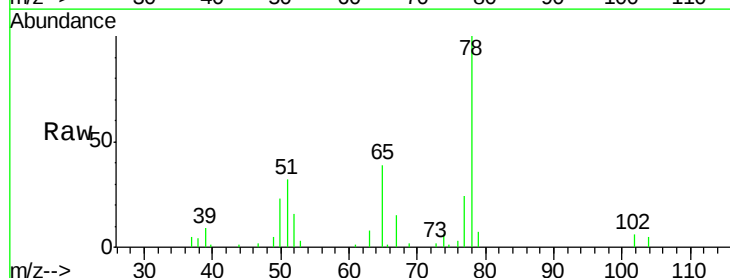
Acq: 20 May 2019 13:56

Tgt Ion: 78 Resp: 97291

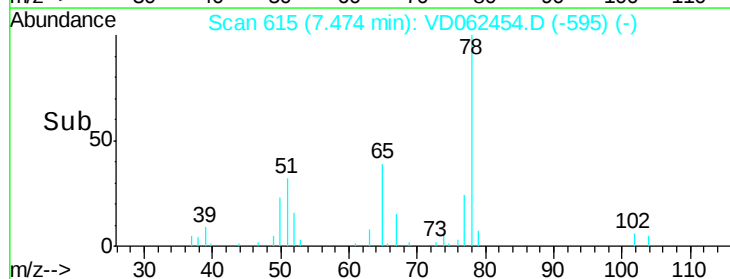
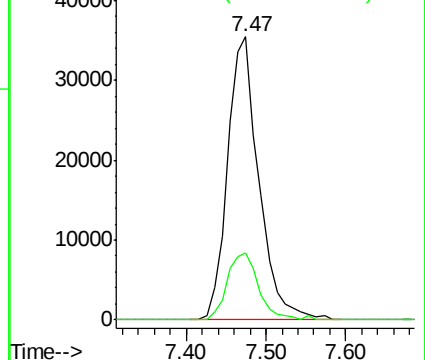
Ion Ratio Lower Upper

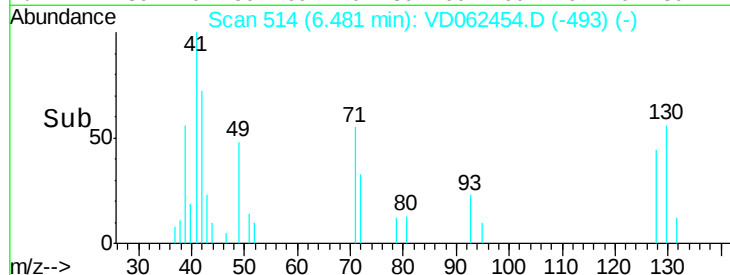
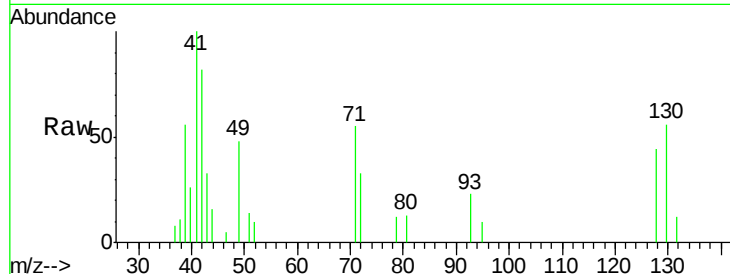
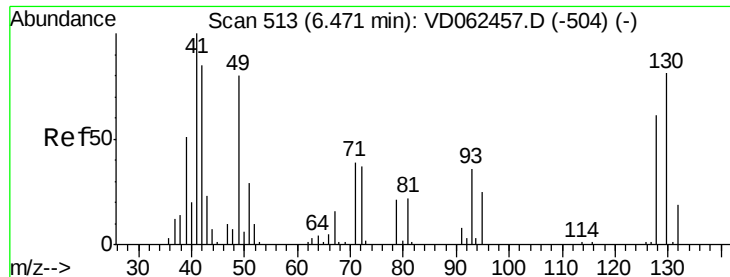
78 100

77 23.9 19.7 29.5



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

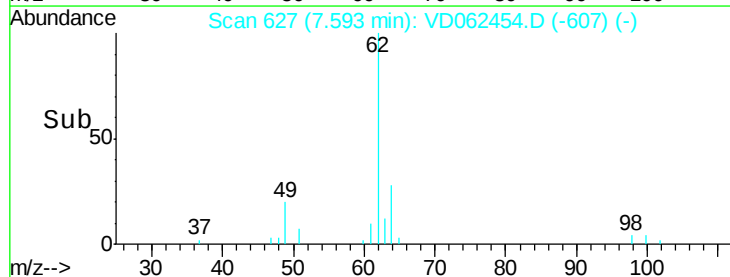
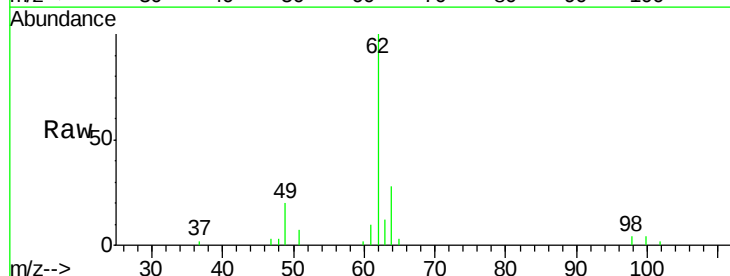
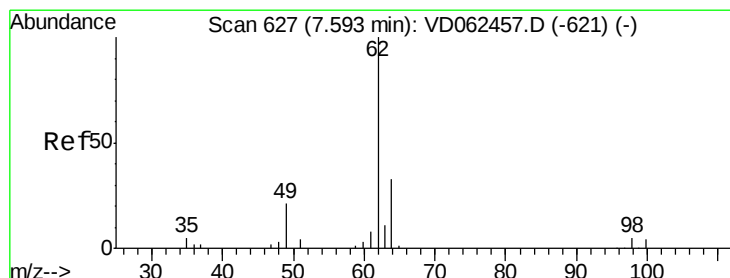
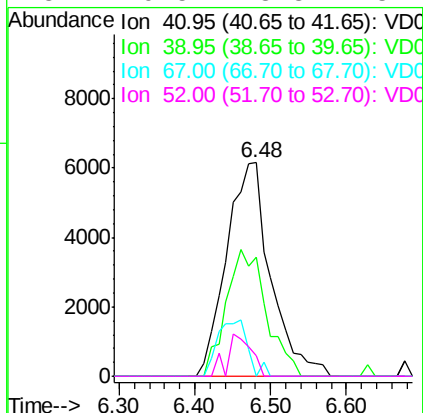




#41  
Methacrylonitrile  
Concen: 6.070 ug/l  
RT: 6.48 min Scan# 514  
Delta R.T. 0.01 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

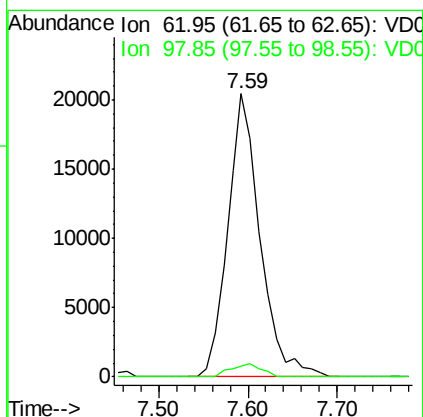
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

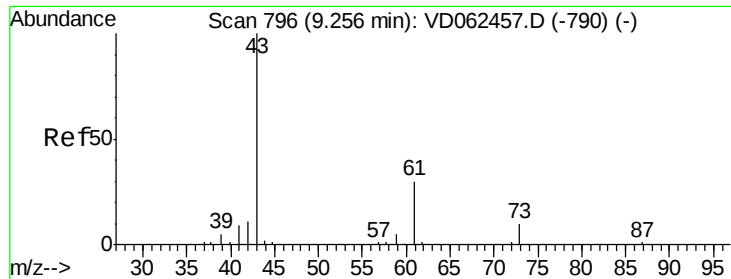
Tot Ion: 41 Resp: 24845  
Ion Ratio Lower Upper  
41 100  
39 55.8 34.1 51.1#  
67 0.0 23.8 35.6#  
52 9.5 8.8 13.2



#42  
1,2-Dichloroethane  
Concen: 6.839 ug/l  
RT: 7.59 min Scan# 627  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 62 Resp: 51678  
Ion Ratio Lower Upper  
62 100  
98 4.0 0.0 17.8





#43

Isopropyl Acetate

Concen: 4.899 ug/l

RT: 9.26 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

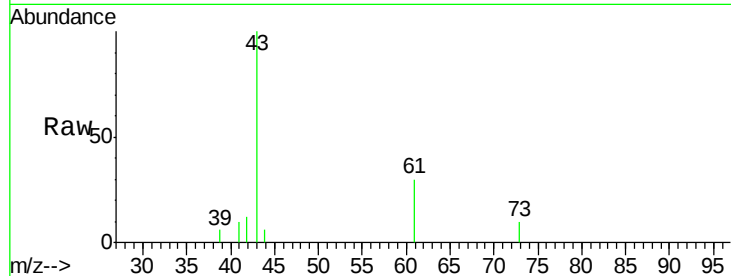
Tot Ion: 43 Resp: 23270

Ion Ratio Lower Upper

43 100

61 30.0 25.1 37.7

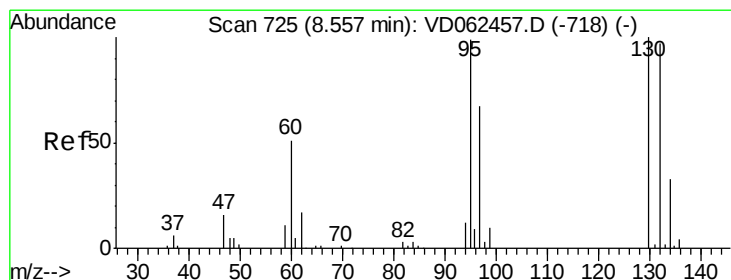
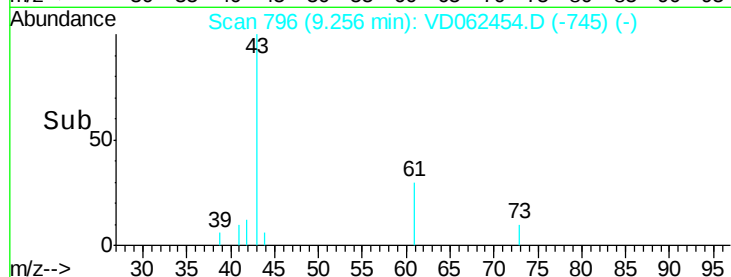
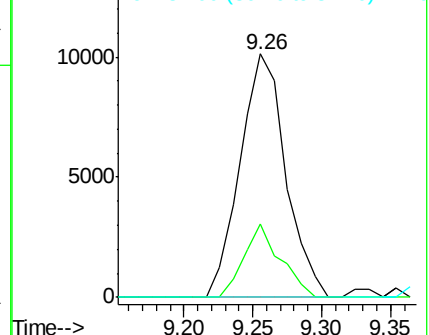
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 5.353 ug/l

RT: 8.56 min Scan# 725

Delta R.T. -0.00 min

Lab File: VD062454.D

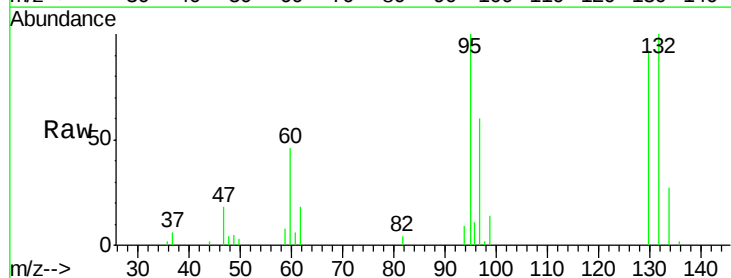
Acq: 20 May 2019 13:56

Tgt Ion:130 Resp: 36375

Ion Ratio Lower Upper

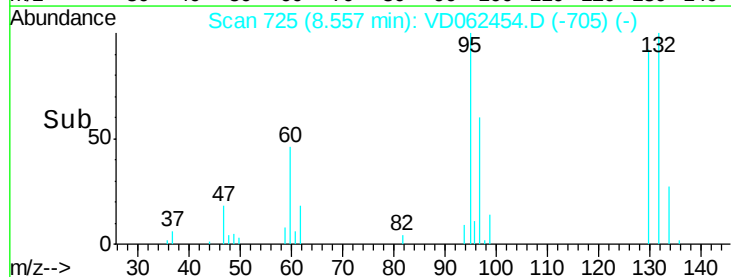
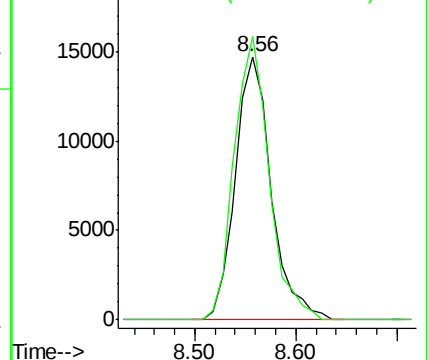
130 100

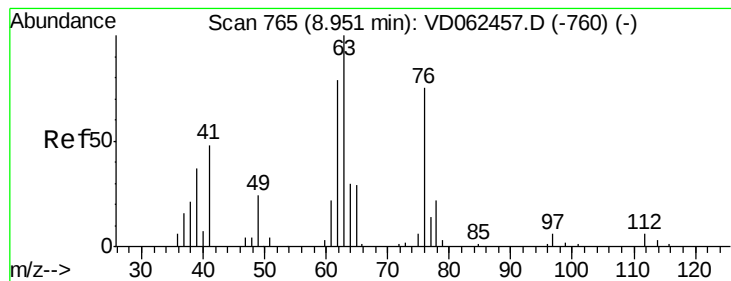
95 107.6 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.105 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.01 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

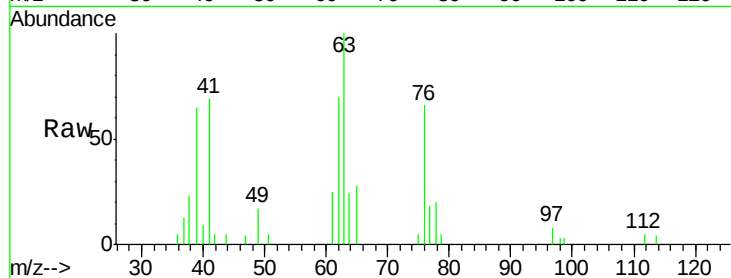
VSTDIC005

Tot Ion: 63 Resp: 22519

Ion Ratio Lower Upper

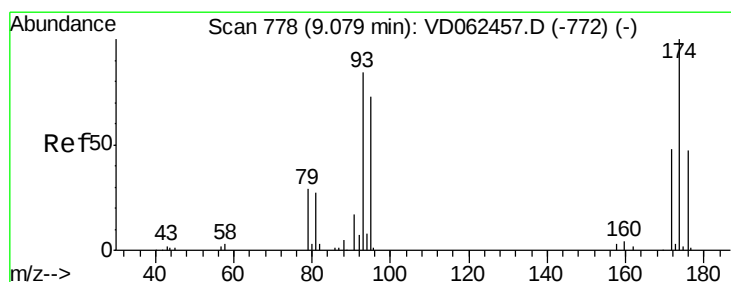
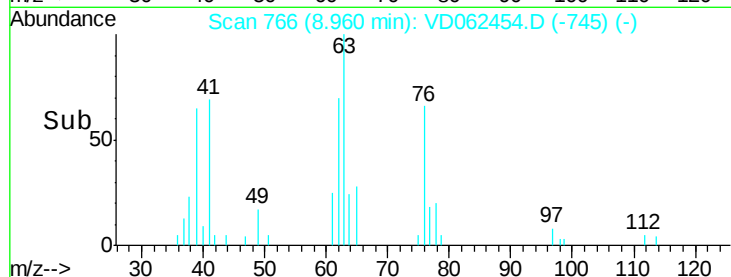
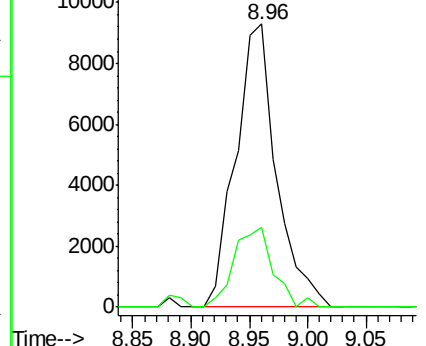
63 100

65 28.1 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 5.788 ug/l

RT: 9.08 min Scan# 778

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

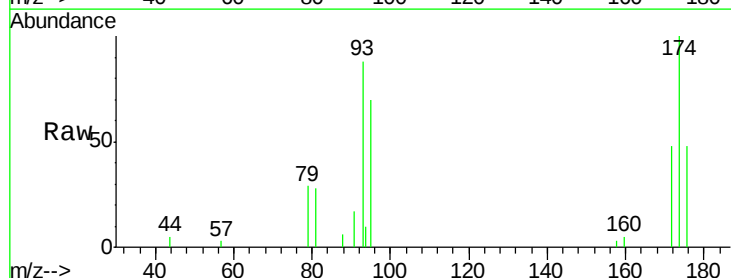
Tgt Ion: 93 Resp: 20764

Ion Ratio Lower Upper

93 100

95 80.2 64.8 97.2

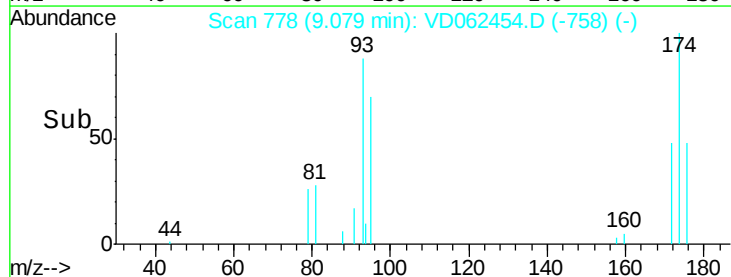
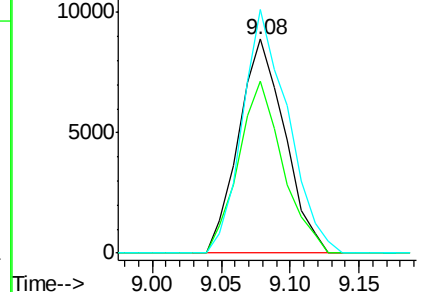
174 114.0 79.3 118.9

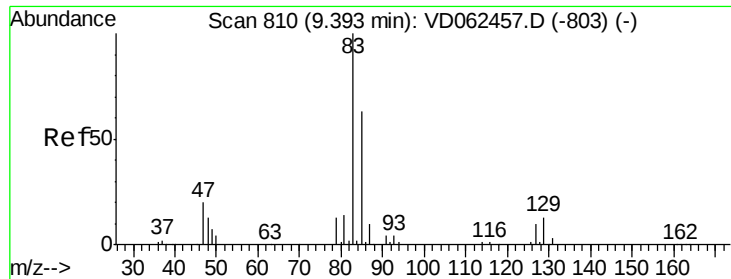


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 5.896 ug/l

RT: 9.39 min Scan# 810

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

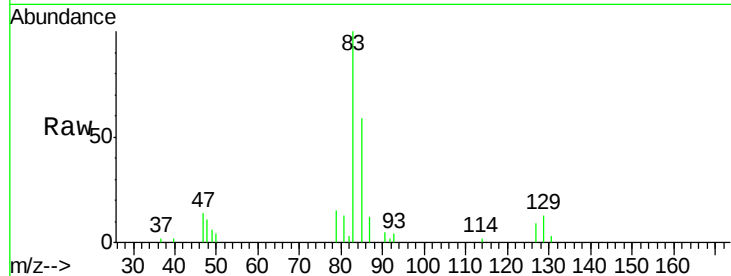
Tot Ion: 83 Resp: 51737

Ion Ratio Lower Upper

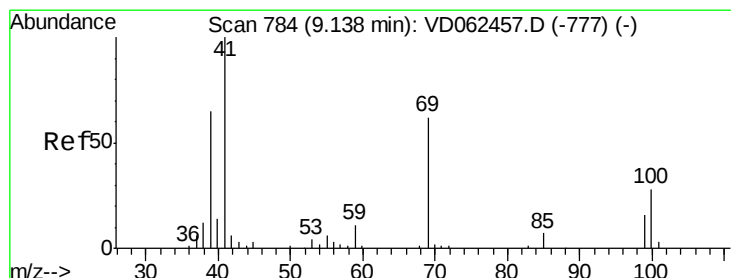
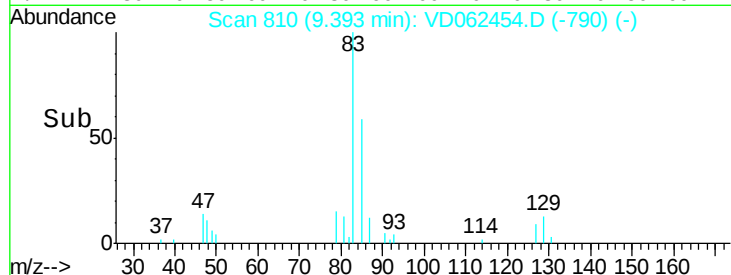
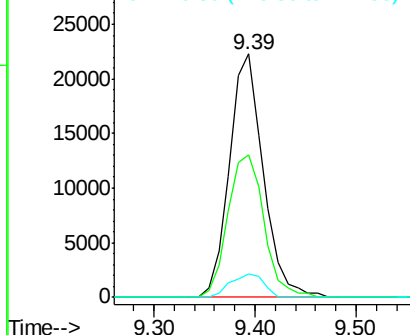
83 100

85 58.6 50.9 76.3

127 9.5 8.1 12.1



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



#48

Methyl methacrylate

Concen: 5.866 ug/l

RT: 9.14 min Scan# 784

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

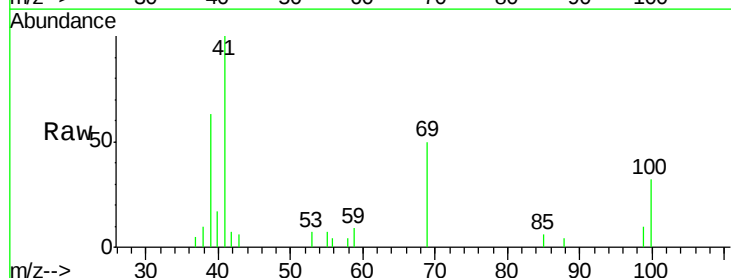
Tgt Ion: 41 Resp: 17163

Ion Ratio Lower Upper

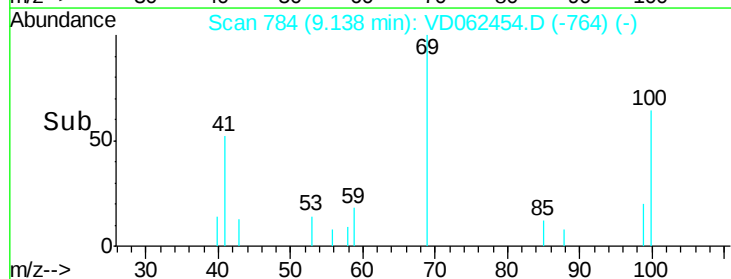
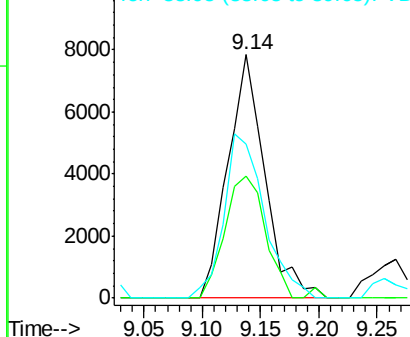
41 100

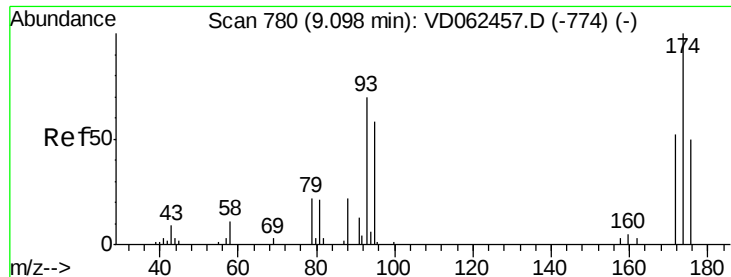
69 50.0 64.2 96.2#

39 63.4 46.8 70.2



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

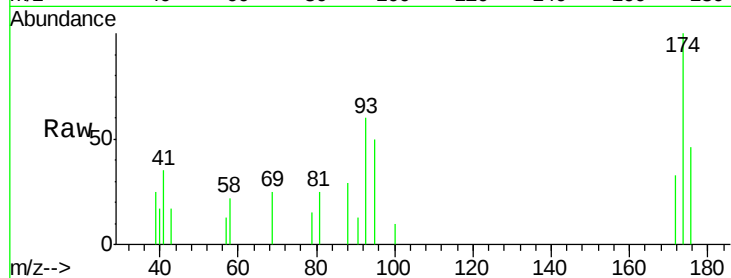




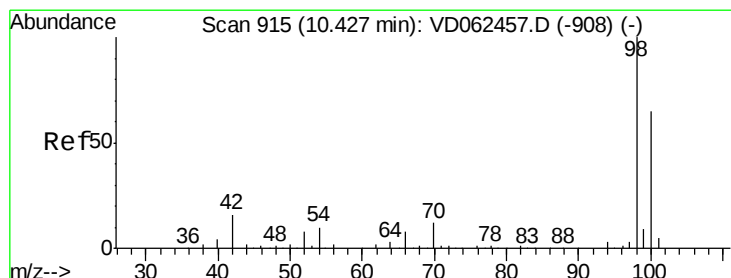
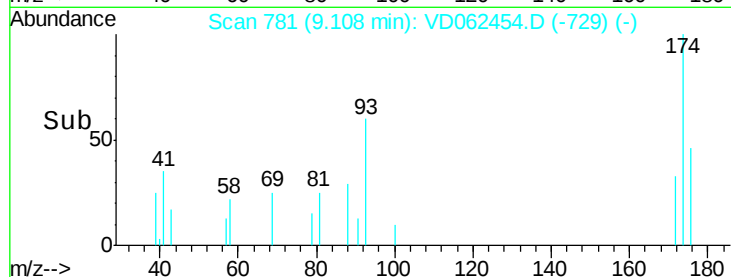
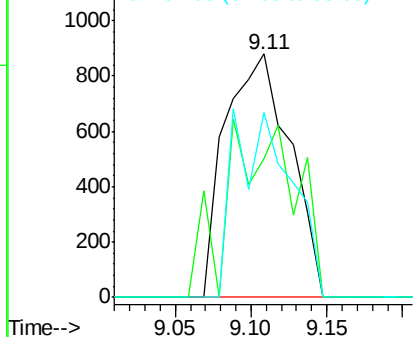
#49  
 1,4-Dioxane  
 Concen: 83.248 ug/l  
 RT: 9.11 min Scan# 781  
 Delta R.T. 0.01 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 88 Resp: 2628  
 Ion Ratio Lower Upper  
 88 100  
 43 56.9 23.4 35.0#  
 58 75.7 44.0 66.0#

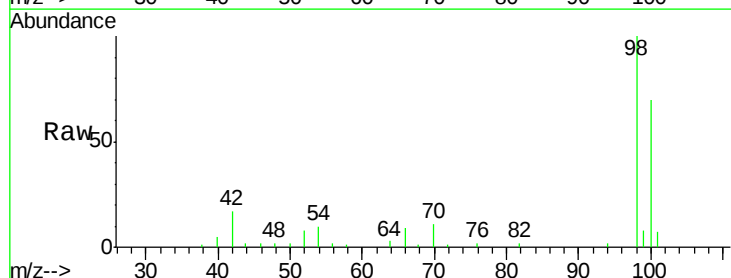


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.05 (42.75 to 43.75): VDC  
 Ion 57.95 (57.65 to 58.65): VDC

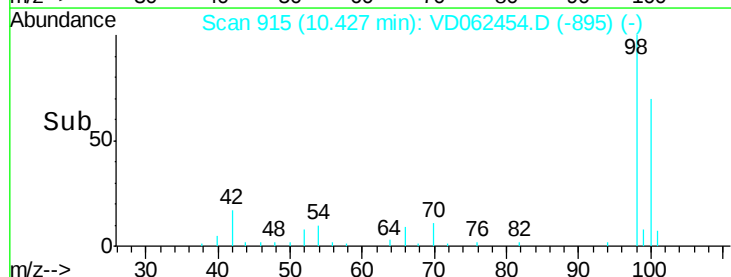
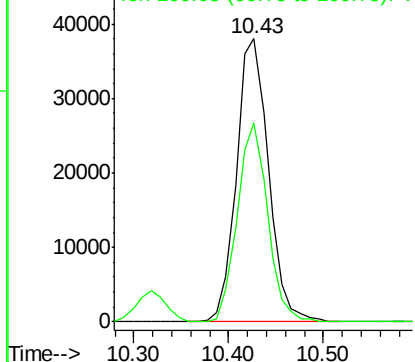


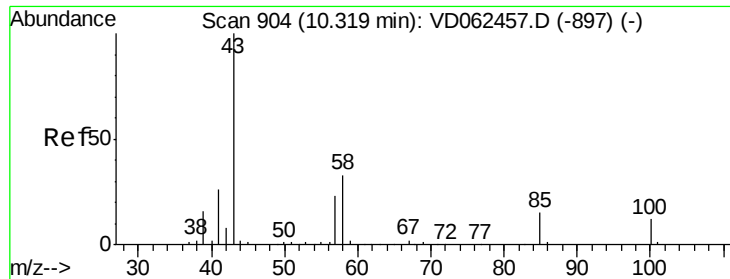
#50  
 Toluene-d8  
 Concen: 4.625 ug/l  
 RT: 10.43 min Scan# 915  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 98 Resp: 89116  
 Ion Ratio Lower Upper  
 98 100  
 100 70.3 53.8 80.8



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





#51

4-Methyl-2-Pentanone

Concen: 26.096 ug/l

RT: 10.32 min Scan# 904

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

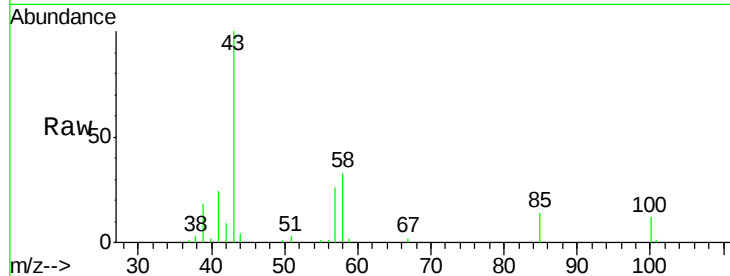
VSTDIC005

Tot Ion: 43 Resp: 79680

Ion Ratio Lower Upper

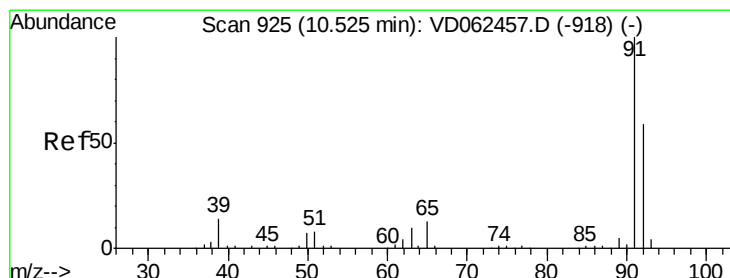
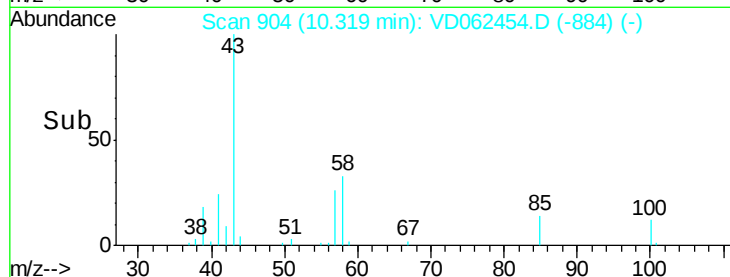
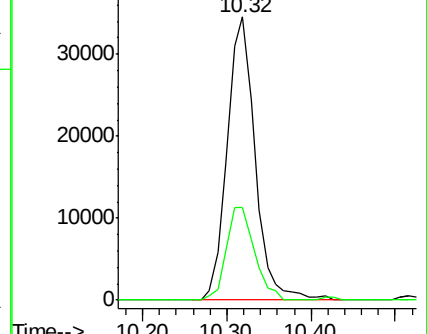
43 100

58 32.6 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.475 ug/l

RT: 10.53 min Scan# 925

Delta R.T. -0.00 min

Lab File: VD062454.D

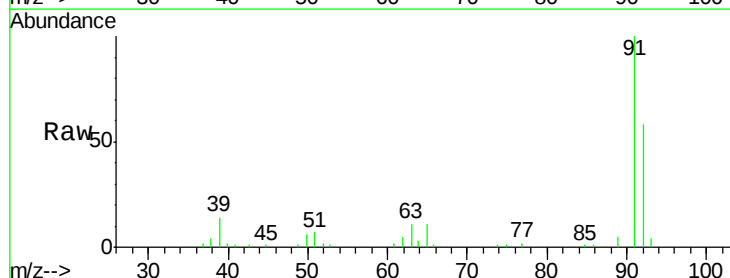
Acq: 20 May 2019 13:56

Tgt Ion: 92 Resp: 63532

Ion Ratio Lower Upper

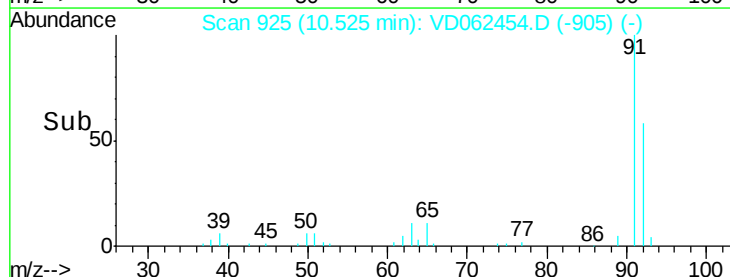
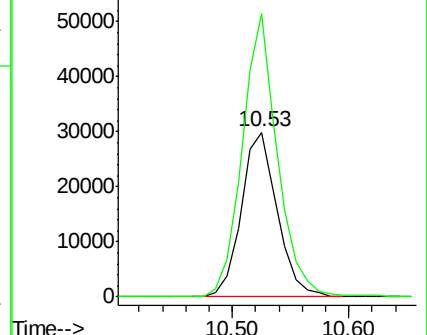
92 100

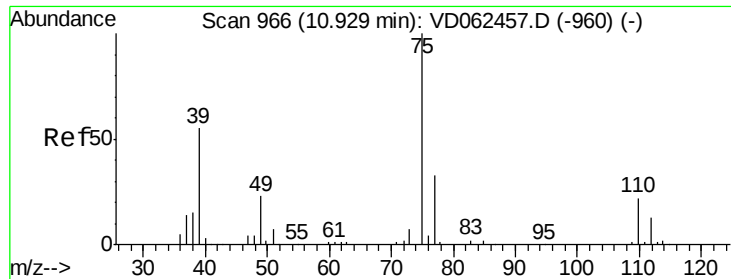
91 172.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

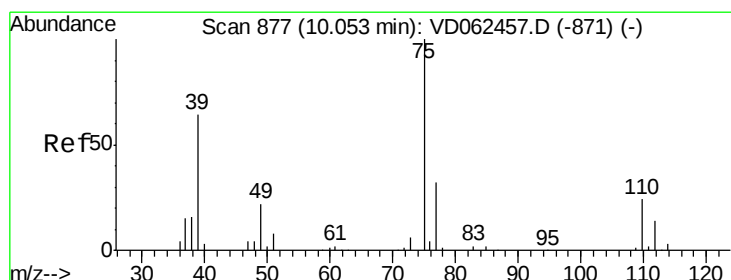
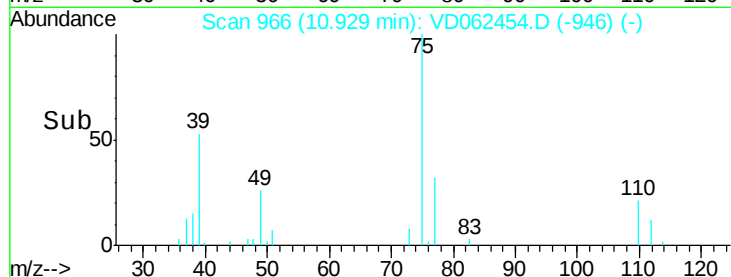
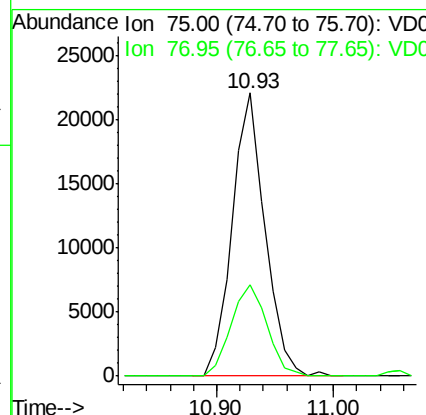
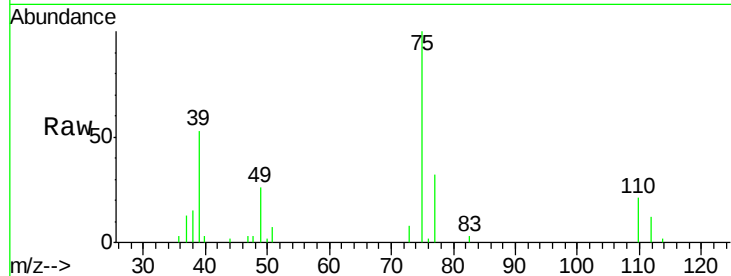




#53  
 t-1,3-Dichloropropene  
 Concen: 5.663 ug/l  
 RT: 10.93 min Scan# 966  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

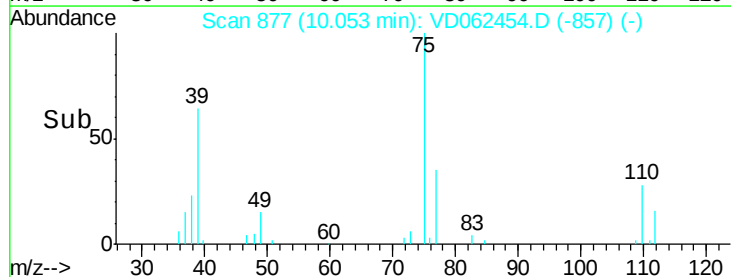
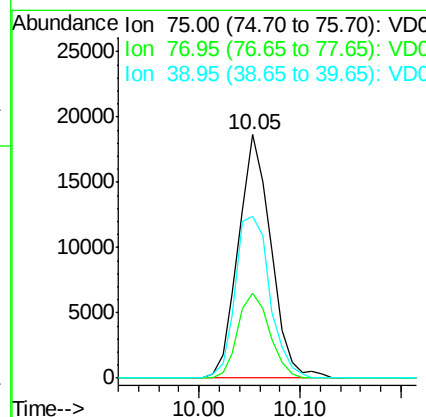
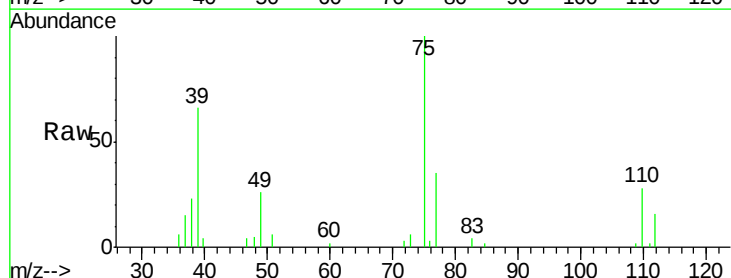
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

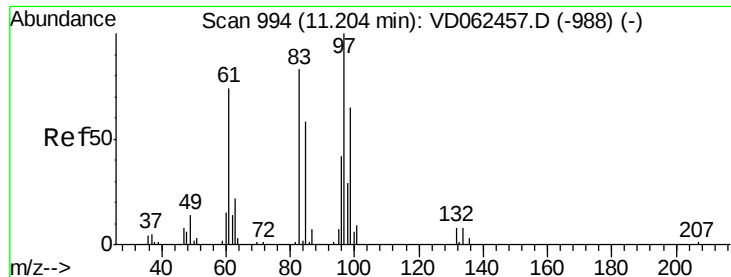
Tot Ion: 75 Resp: 42945  
 Ion Ratio Lower Upper  
 75 100  
 77 32.2 25.8 38.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 5.085 ug/l  
 RT: 10.05 min Scan# 877  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 75 Resp: 42067  
 Ion Ratio Lower Upper  
 75 100  
 77 34.6 25.5 38.3  
 39 66.4 39.4 59.2#

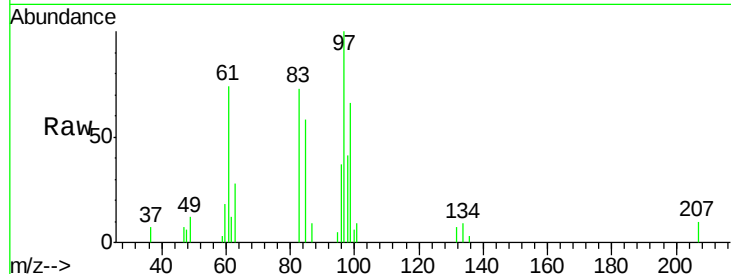




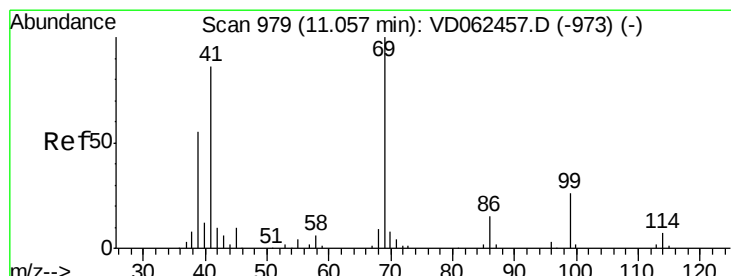
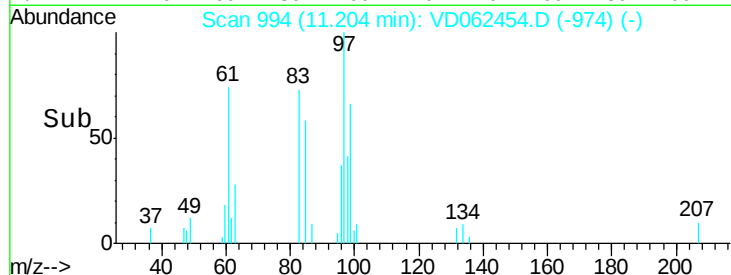
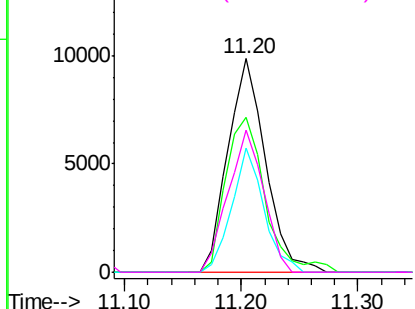
#55  
 1,1,2-Trichloroethane  
 Concen: 5.379 ug/l  
 RT: 11.20 min Scan# 994  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 97 Resp: 22084  
 Ion Ratio Lower Upper  
 97 100  
 83 72.7 65.7 98.5  
 85 58.2 45.6 68.4  
 99 66.3 48.4 72.6

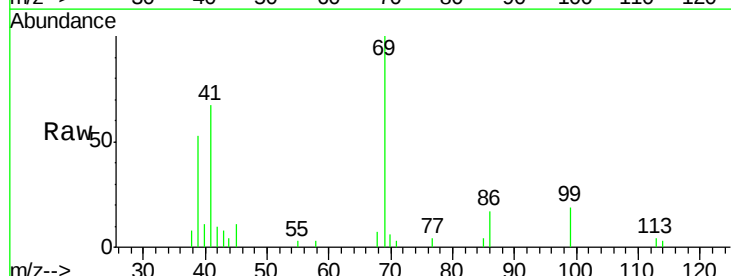


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

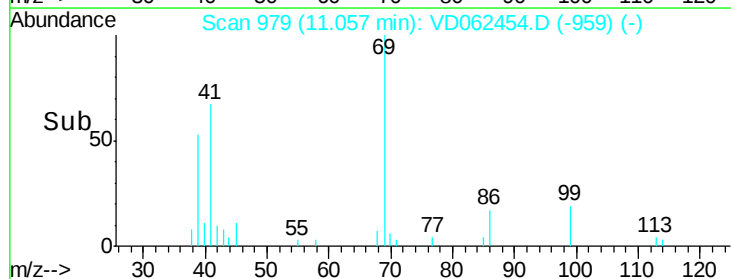
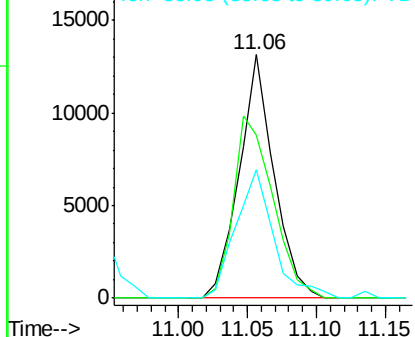


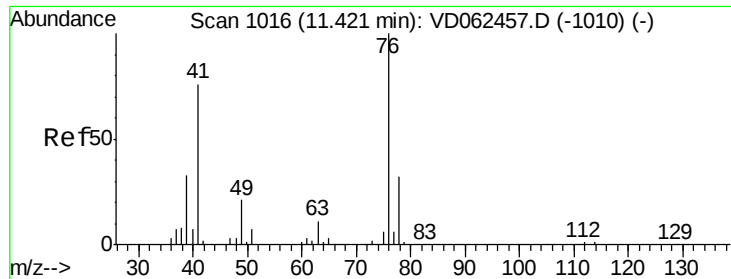
#56  
 Ethyl methacrylate  
 Concen: 5.397 ug/l  
 RT: 11.06 min Scan# 979  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 69 Resp: 23027  
 Ion Ratio Lower Upper  
 69 100  
 41 66.7 56.3 84.5  
 39 52.6 29.4 44.2#



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: 5.704 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

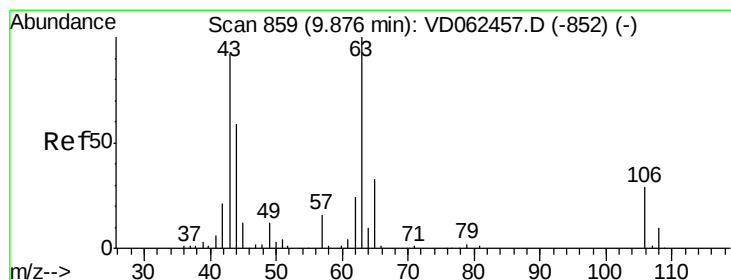
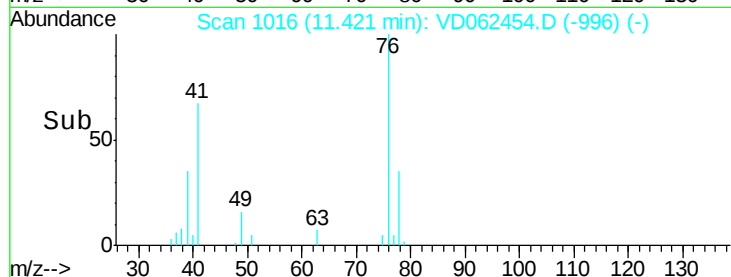
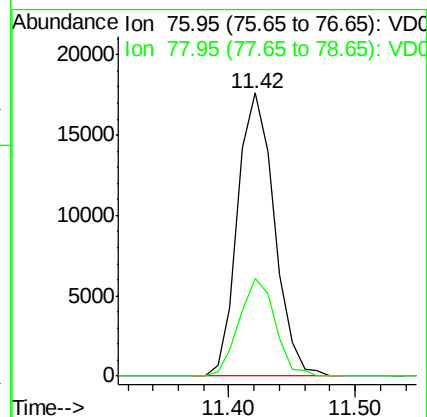
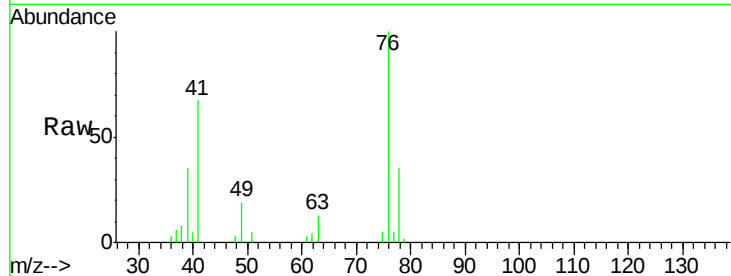
VSTDIC005

Tot Ion: 76 Resp: 35382

Ion Ratio Lower Upper

76 100

78 34.6 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 25.176 ug/l

RT: 9.88 min Scan# 859

Delta R.T. -0.00 min

Lab File: VD062454.D

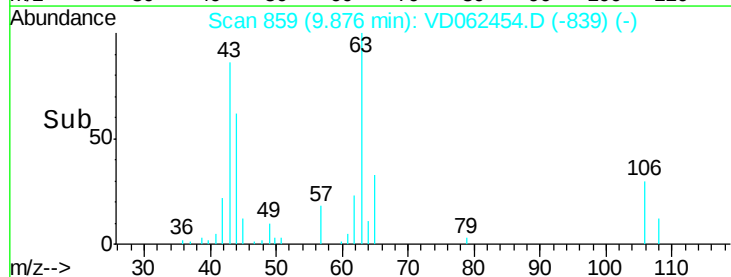
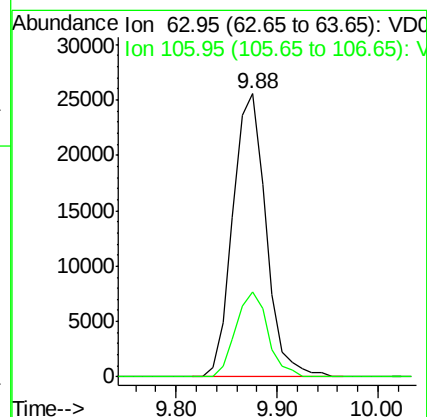
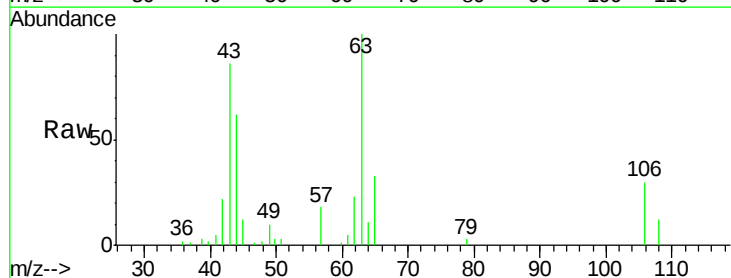
Acq: 20 May 2019 13:56

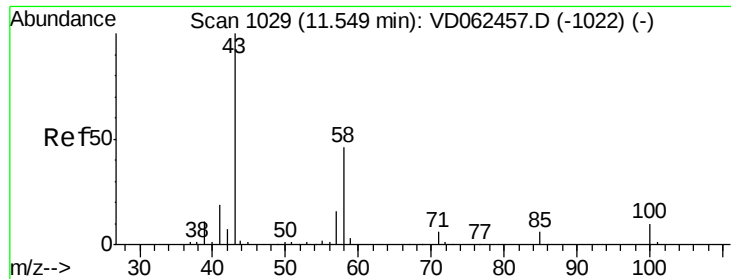
Tgt Ion: 63 Resp: 58669

Ion Ratio Lower Upper

63 100

106 30.0 22.6 34.0

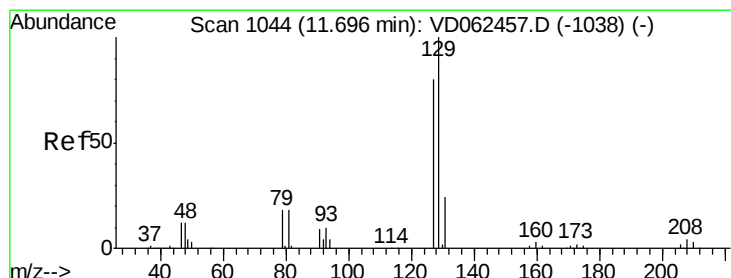
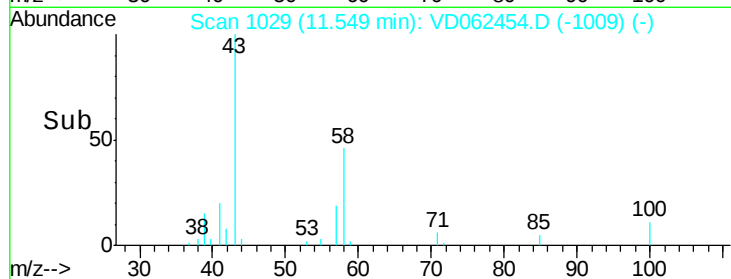
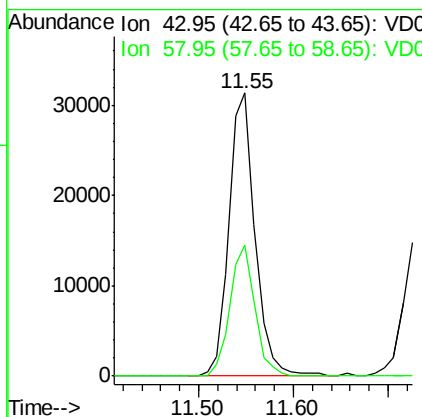
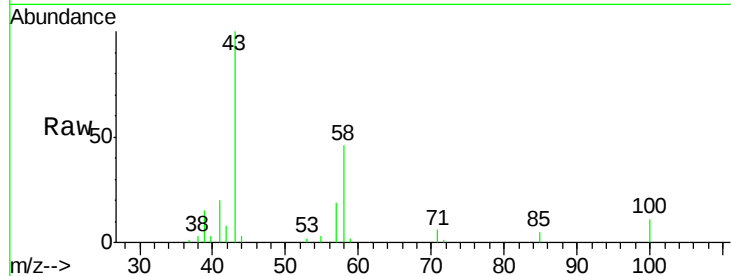




#59  
2-Hexanone  
Concen: 26.571 ug/l  
RT: 11.55 min Scan# 1029  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

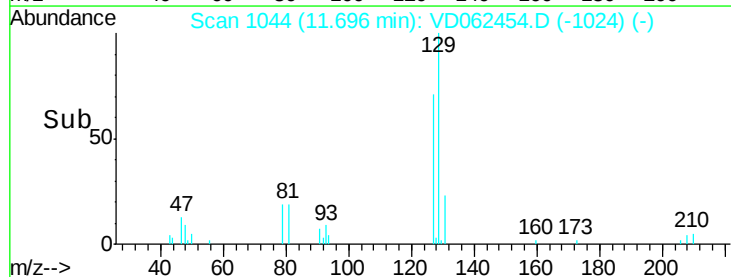
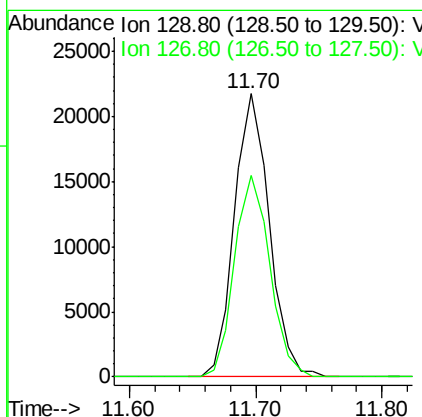
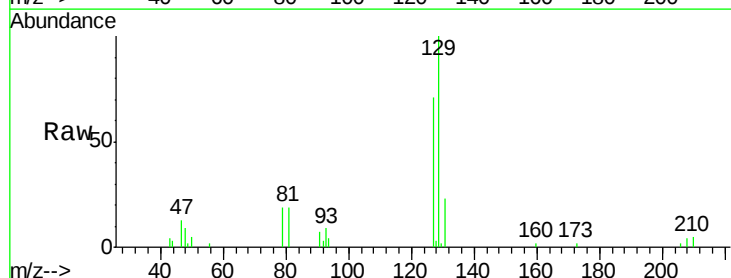
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

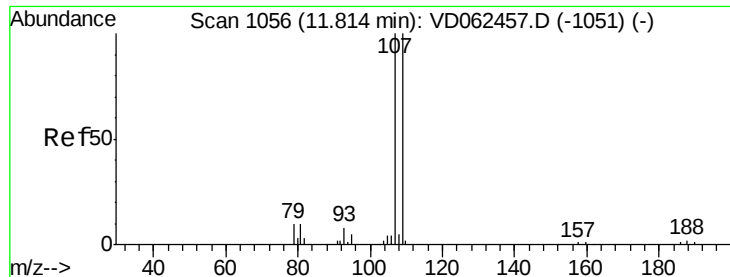
Tot Ion: 43 Resp: 59797  
Ion Ratio Lower Upper  
43 100  
58 46.3 25.4 76.4



#60  
Dibromochloromethane  
Concen: 5.859 ug/l  
RT: 11.70 min Scan# 1044  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 129 Resp: 41573  
Ion Ratio Lower Upper  
129 100  
127 71.4 38.0 113.9

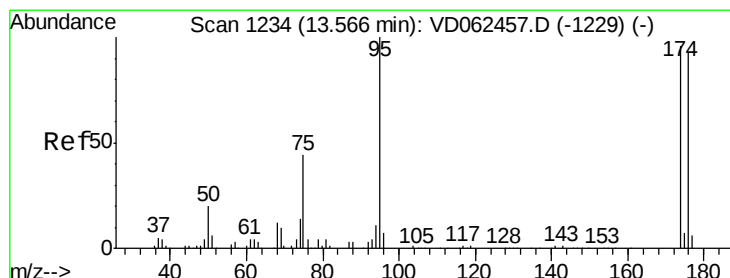
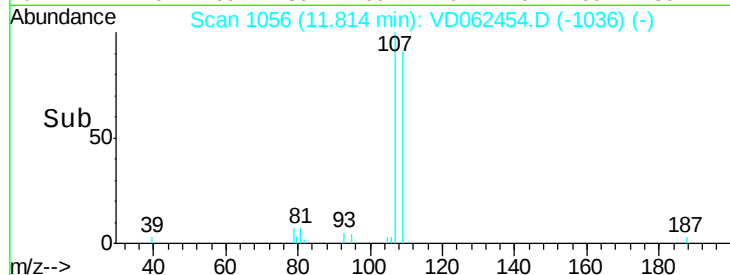
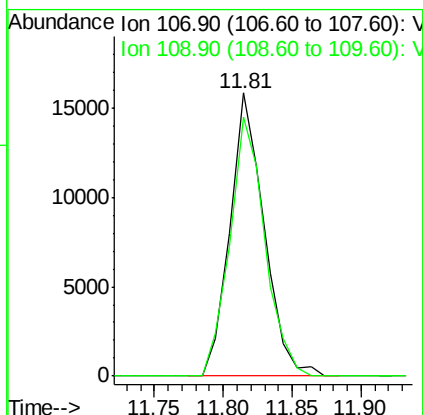
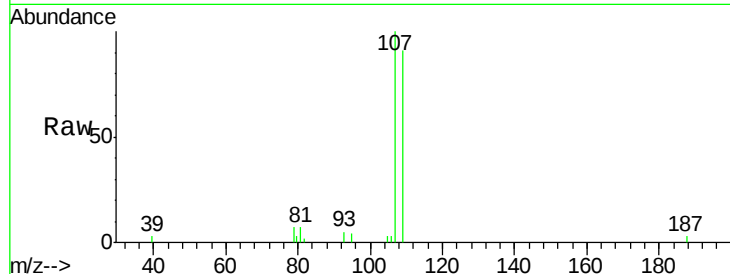




#61  
 1,2-Dibromoethane  
 Concen: 5.463 ug/l  
 RT: 11.81 min Scan# 1056  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

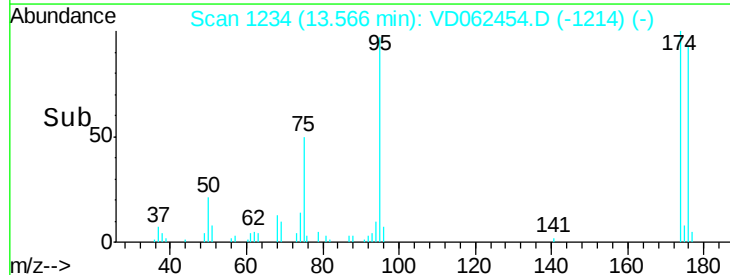
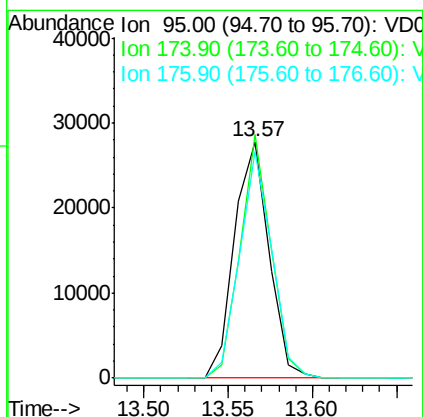
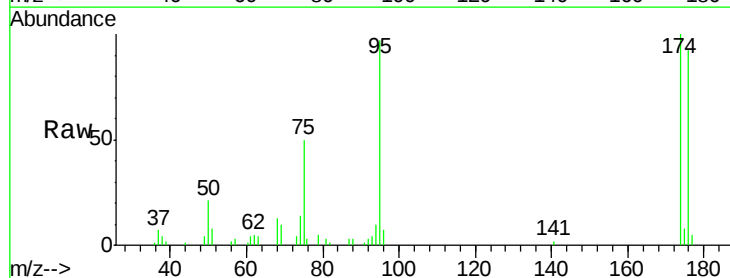
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

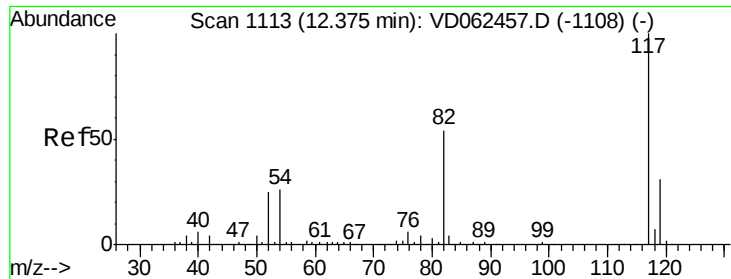
Tot Ion:107 Resp: 27270  
 Ion Ratio Lower Upper  
 107 100  
 109 91.4 78.3 117.5



#62  
 4-Bromofluorobenzene  
 Concen: 5.117 ug/l  
 RT: 13.57 min Scan# 1234  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 95 Resp: 39595  
 Ion Ratio Lower Upper  
 95 100  
 174 103.1 0.0 181.8  
 176 96.3 0.0 174.4

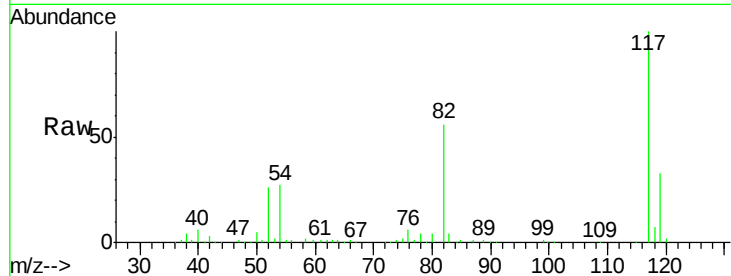




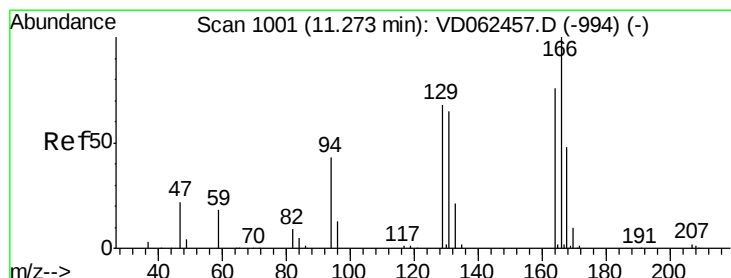
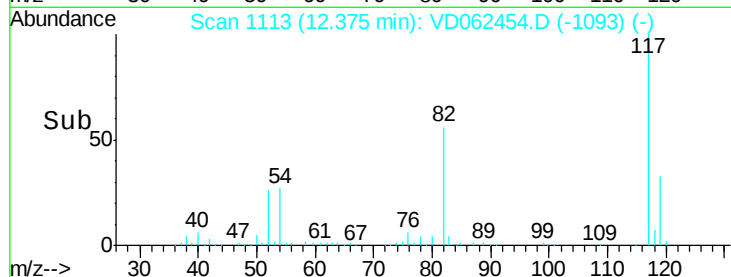
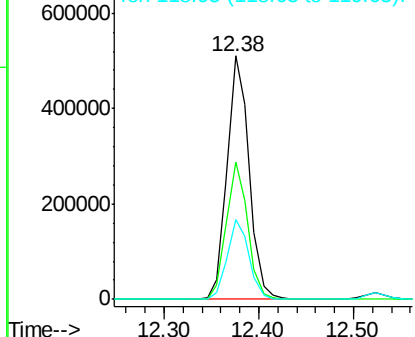
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1113  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion:117 Resp: 822160  
Ion Ratio Lower Upper  
117 100  
82 56.3 36.2 54.2#  
119 32.7 26.2 39.4

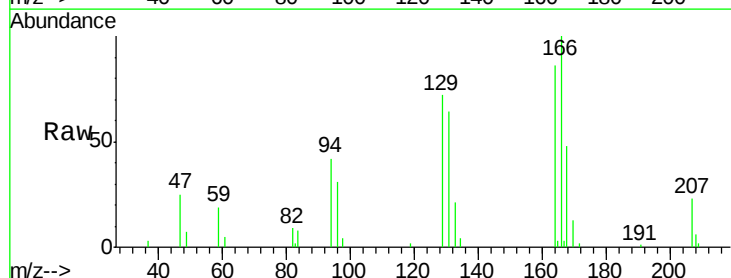


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

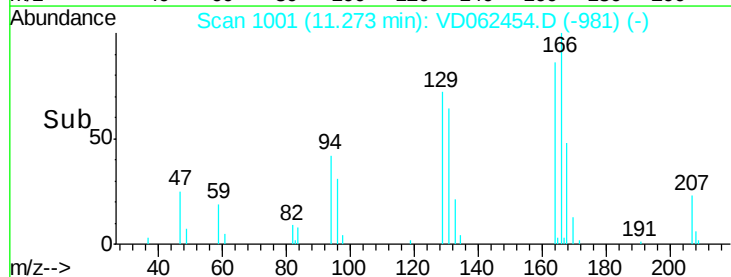
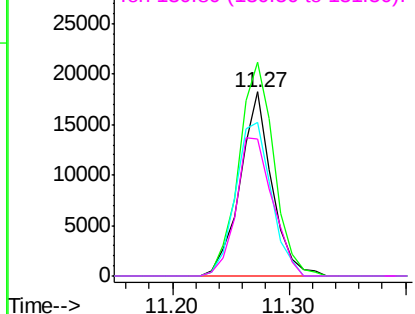


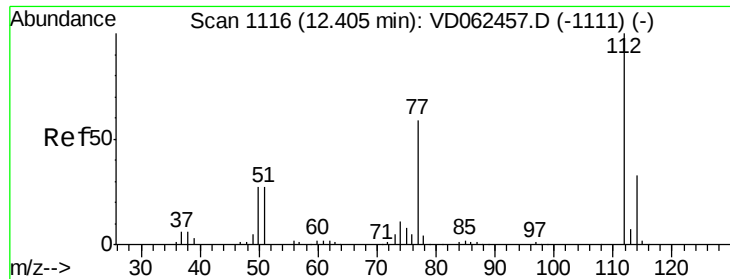
#64  
Tetrachloroethene  
Concen: 5.353 ug/l  
RT: 11.27 min Scan# 1001  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion:164 Resp: 34414  
Ion Ratio Lower Upper  
164 100  
166 116.2 101.5 152.3  
129 83.3 74.6 112.0  
131 74.3 72.6 108.8



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

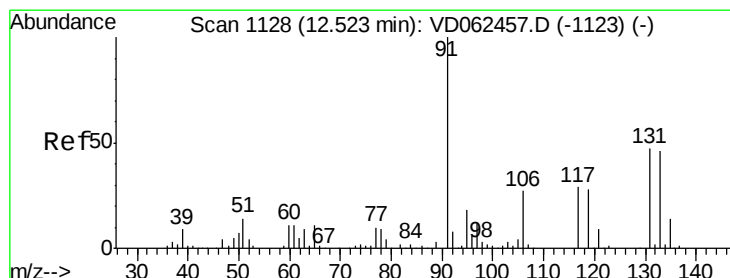
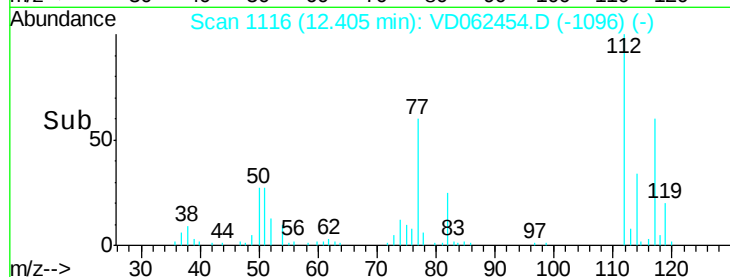
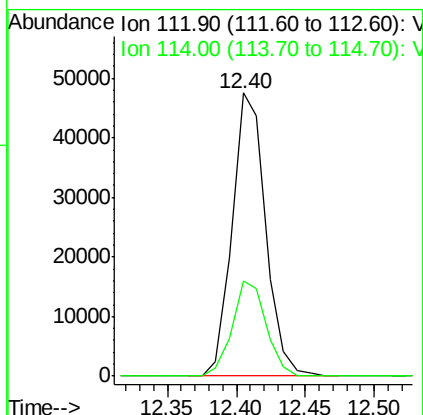
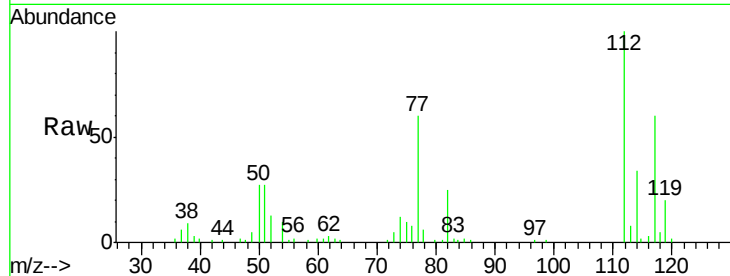




#65  
Chlorobenzene  
Concen: 5.207 ug/l  
RT: 12.40 min Scan# 1116  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

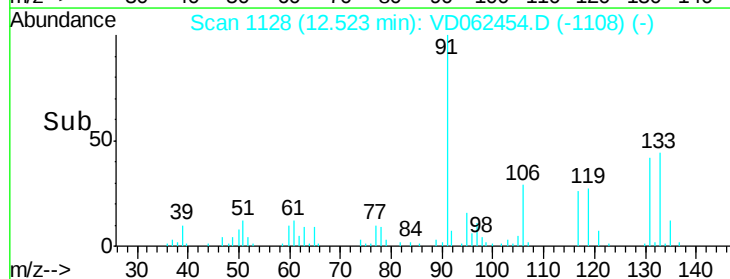
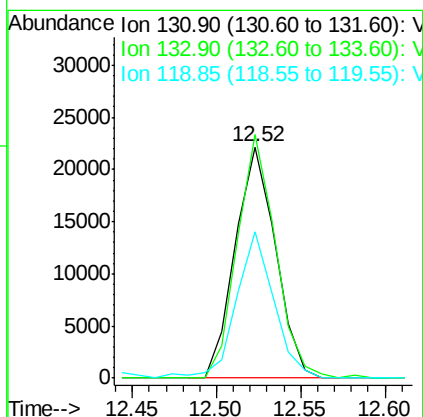
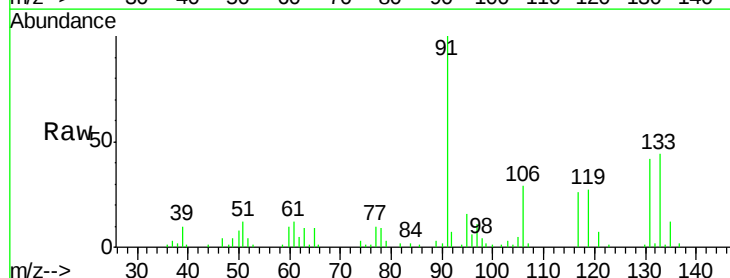
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

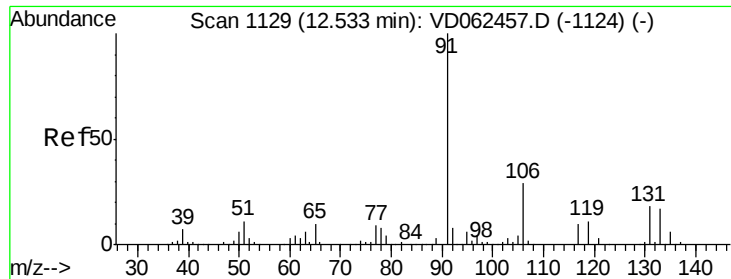
Tot Ion:112 Resp: 79740  
Ion Ratio Lower Upper  
112 100  
114 33.5 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 5.515 ug/l  
RT: 12.52 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion:131 Resp: 36755  
Ion Ratio Lower Upper  
131 100  
133 105.3 48.6 145.8  
119 63.6 34.7 104.1

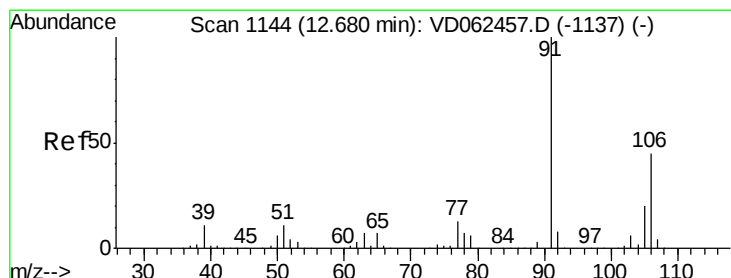
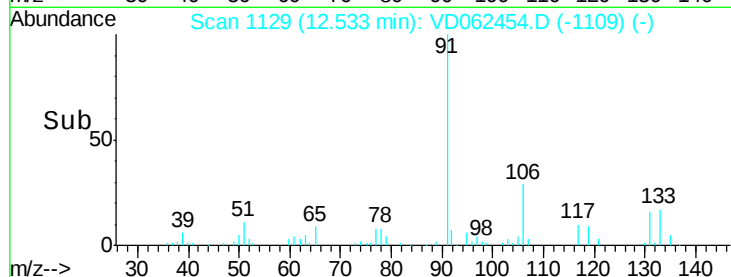
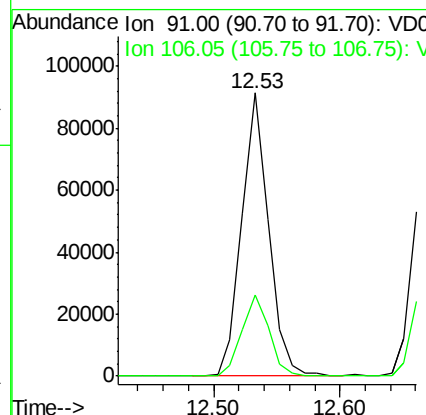
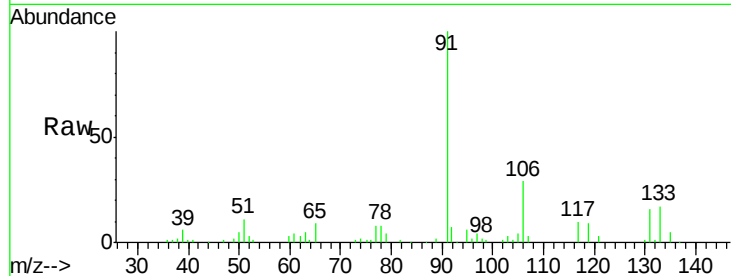




#67  
Ethyl Benzene  
Concen: 5.237 ug/l  
RT: 12.53 min Scan# 1129  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

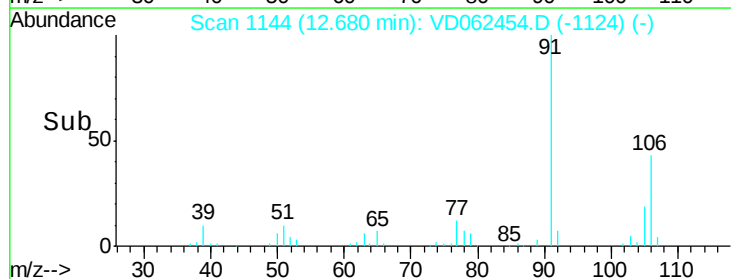
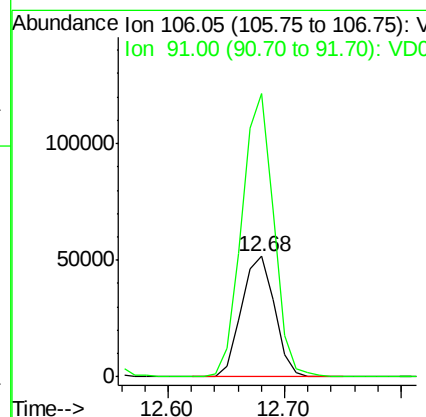
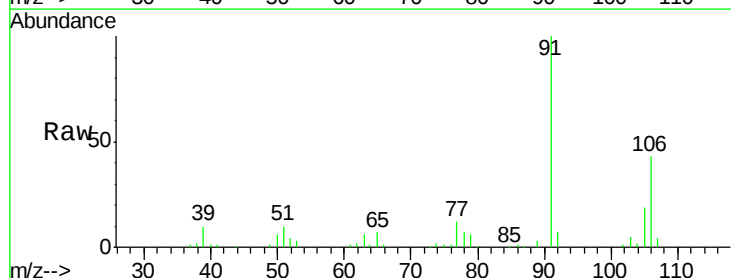
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

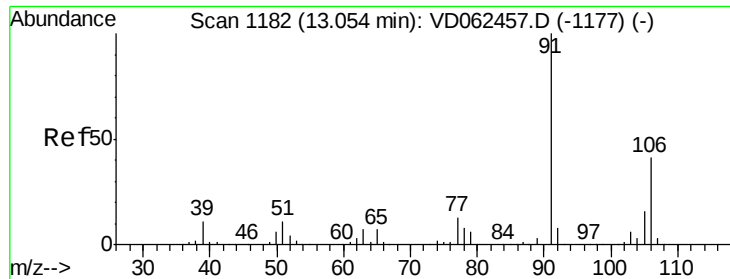
Tot Ion: 91 Resp: 134261  
Ion Ratio Lower Upper  
91 100  
106 28.6 24.7 37.1



#68  
m/p-Xylenes  
Concen: 10.863 ug/l  
RT: 12.68 min Scan# 1144  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 106 Resp: 101320  
Ion Ratio Lower Upper  
106 100  
91 234.8 164.0 246.0

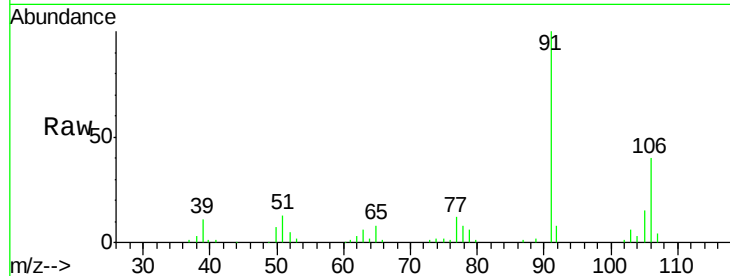




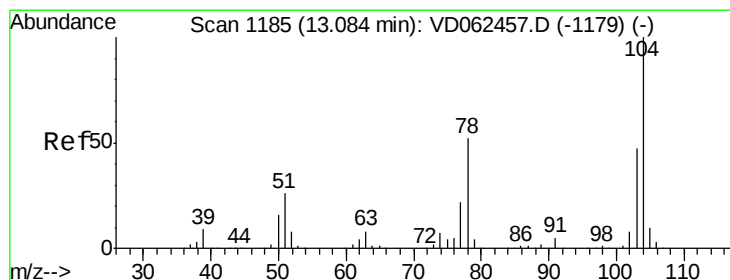
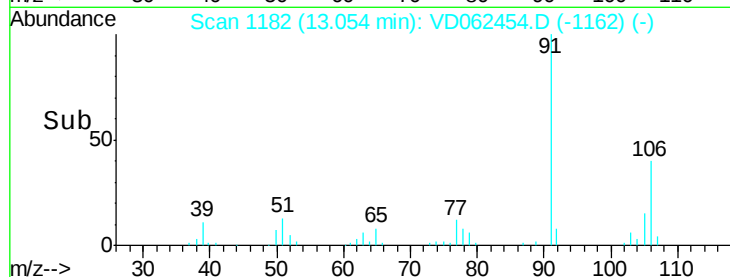
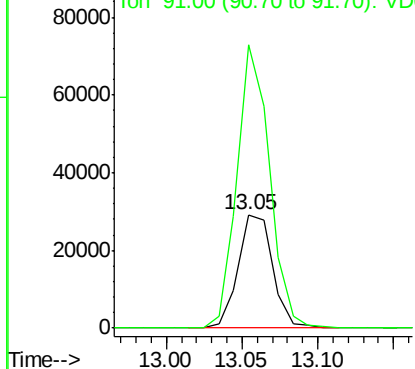
#69  
o-Xylene  
Concen: 5.340 ug/l  
RT: 13.05 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tot Ion:106 Resp: 46308  
Ion Ratio Lower Upper  
106 100  
91 249.6 106.7 319.9

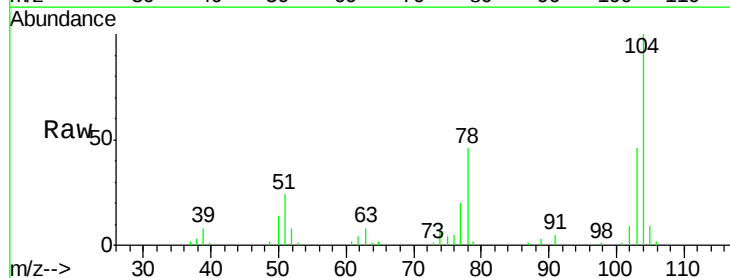


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): V

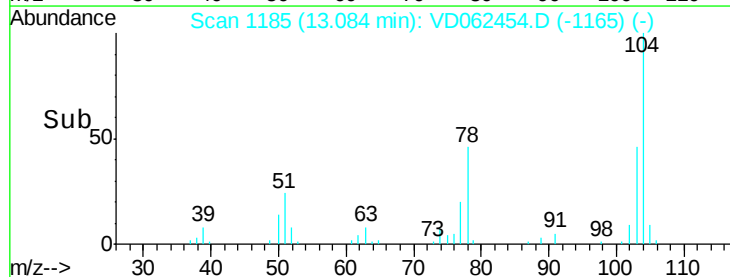
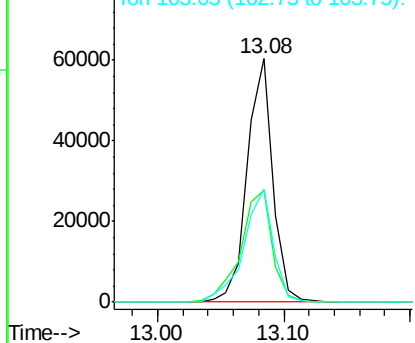


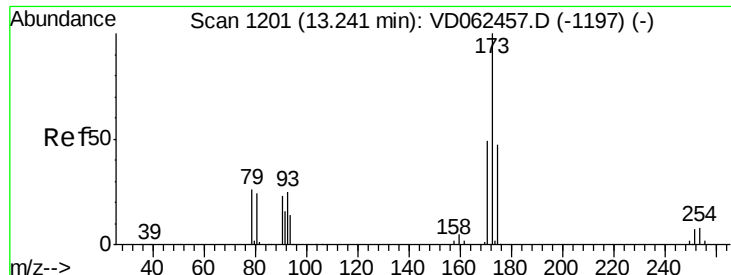
#70  
Styrene  
Concen: 5.785 ug/l  
RT: 13.08 min Scan# 1185  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion:104 Resp: 84982  
Ion Ratio Lower Upper  
104 100  
78 46.2 35.4 53.2  
103 46.3 37.5 56.3



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: 5.066 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

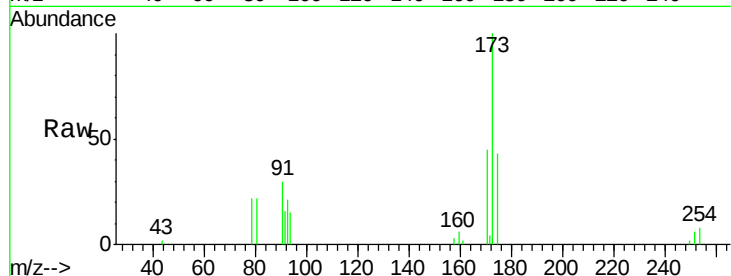
Tot Ion:173 Resp: 23490

Ion Ratio Lower Upper

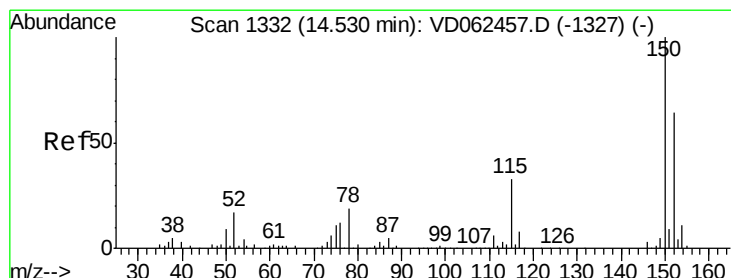
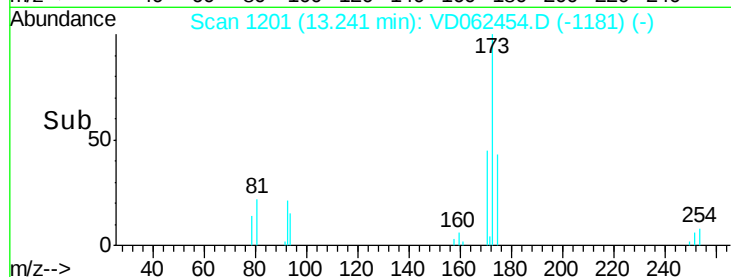
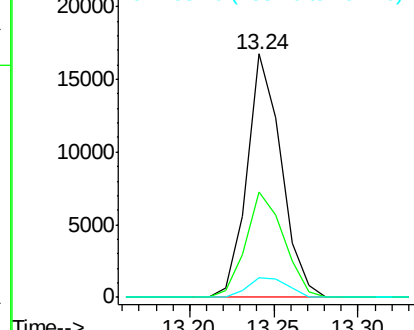
173 100

175 43.4 24.4 73.4

254 8.3 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V  
Ion 174.80 (174.50 to 175.50): V  
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

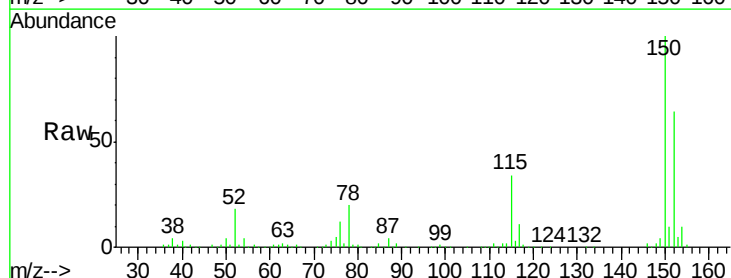
Tgt Ion:152 Resp: 408183

Ion Ratio Lower Upper

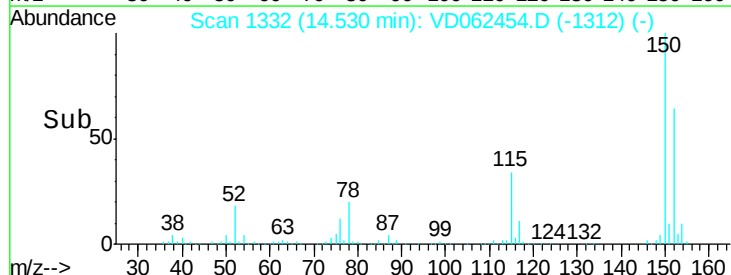
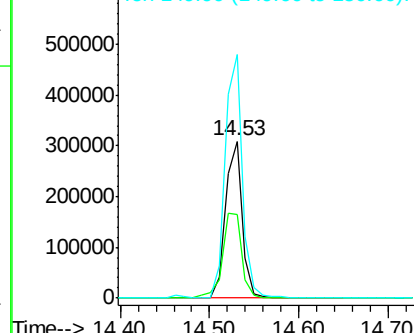
152 100

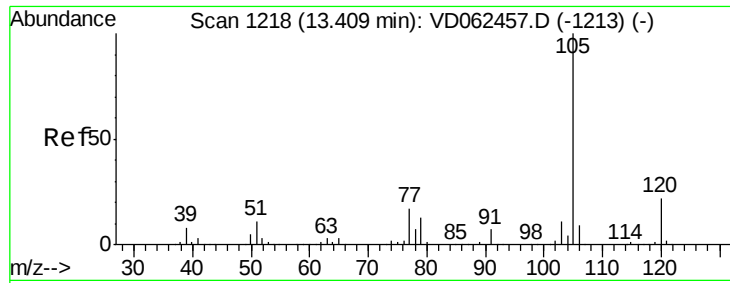
115 53.5 30.9 92.7

150 155.3 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.534 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampled :

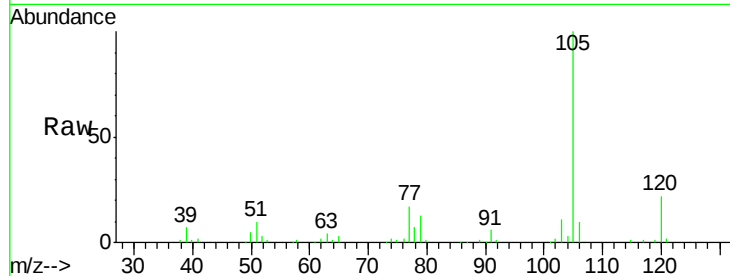
VSTDIC005

Tot Ion:105 Resp: 135400

Ion Ratio Lower Upper

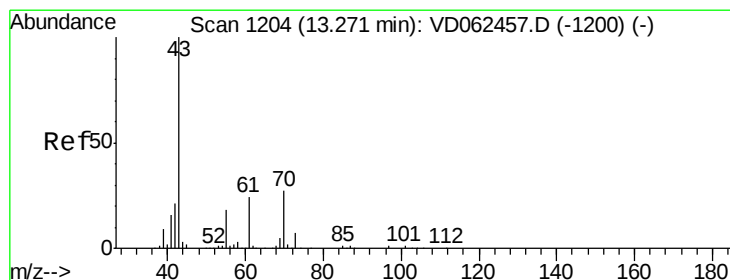
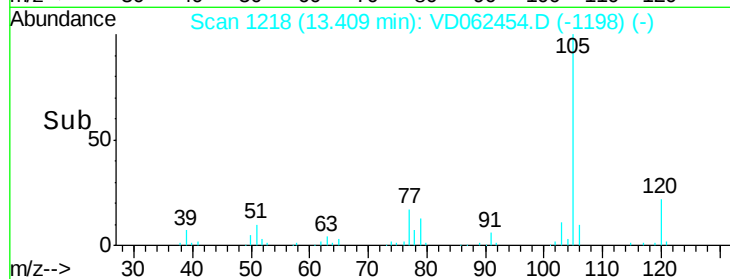
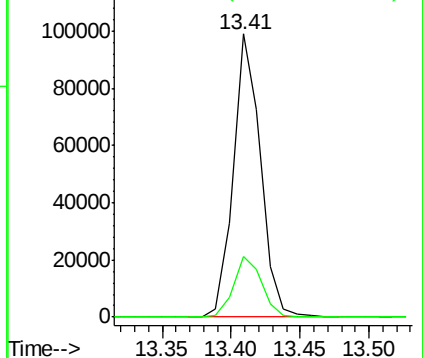
105 100

120 21.5 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 5.577 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Tgt Ion: 43 Resp: 35773

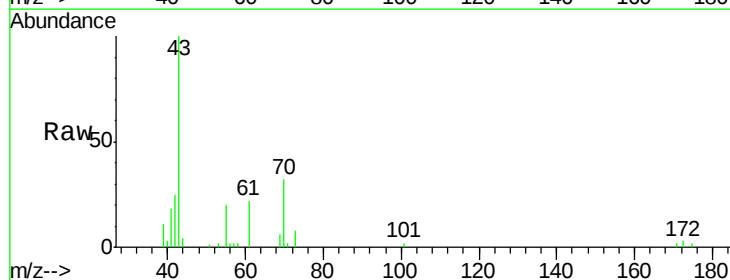
Ion Ratio Lower Upper

43 100

70 31.7 24.2 36.4

55 19.5 16.0 24.0

61 22.2 21.6 32.4

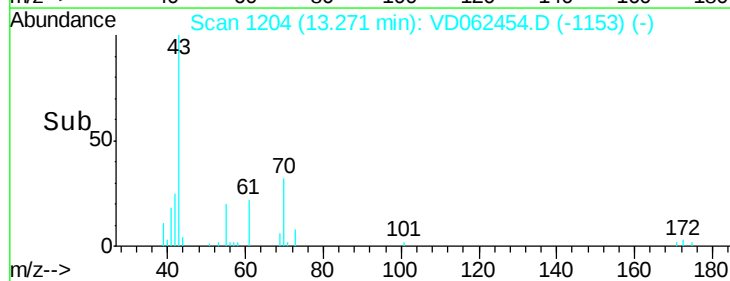
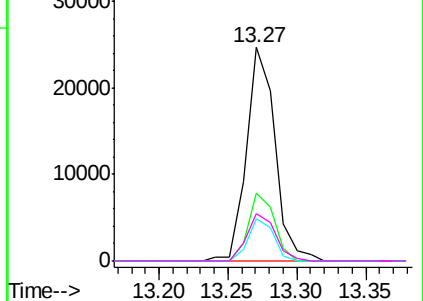


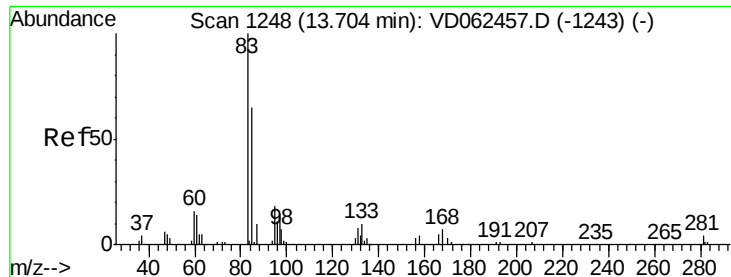
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.767 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

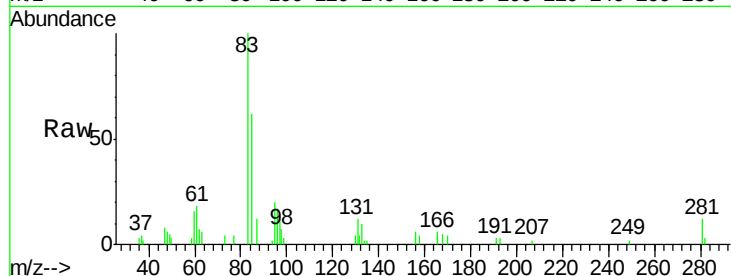
Tot Ion: 83 Resp: 26711

Ion Ratio Lower Upper

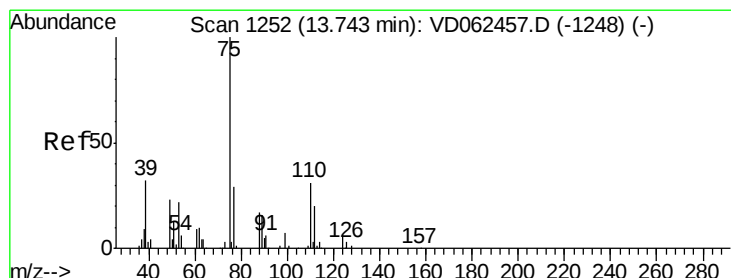
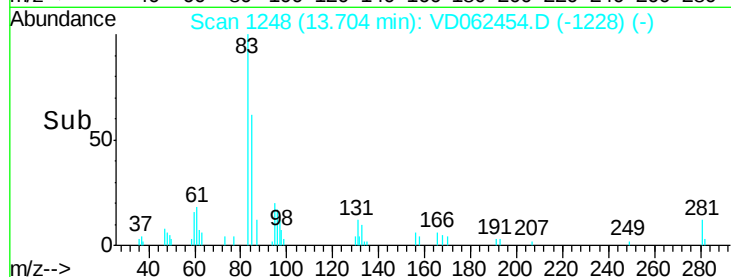
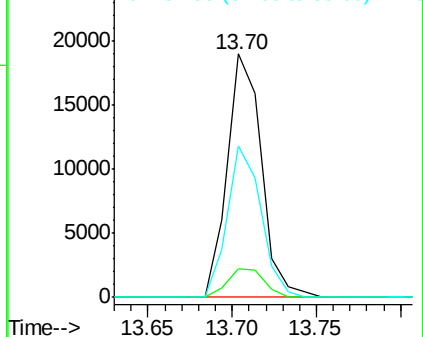
83 100

131 11.6 5.0 14.9

85 62.0 32.6 97.7



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: 5.163 ug/l

RT: 13.74 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD062454.D

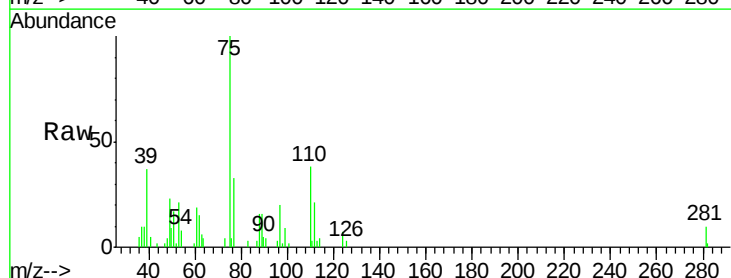
Acq: 20 May 2019 13:56

Tgt Ion: 75 Resp: 25047

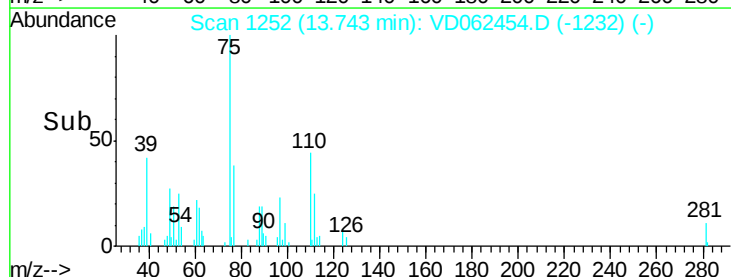
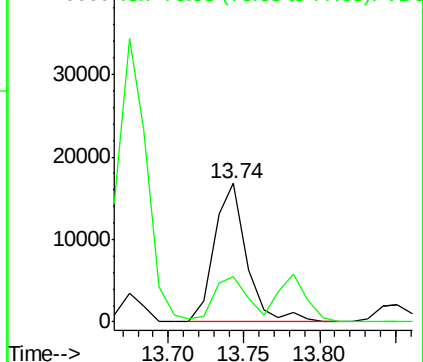
Ion Ratio Lower Upper

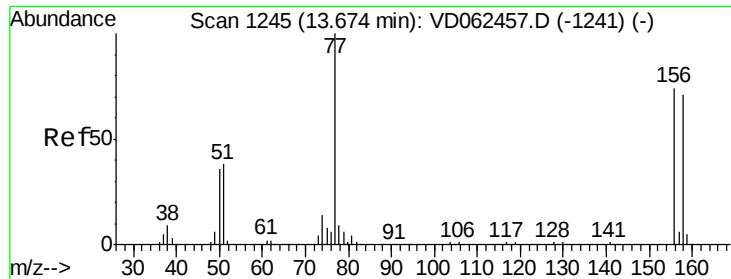
75 100

77 33.0 16.4 49.4



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





#77

Bromobenzene

Concen: 5.781 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

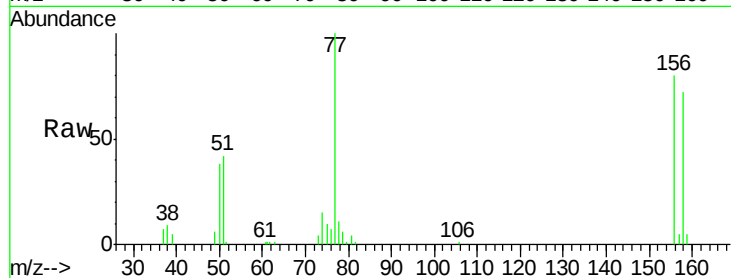
Tot Ion:156 Resp: 39598

Ion Ratio Lower Upper

156 100

77 124.9 53.1 159.4

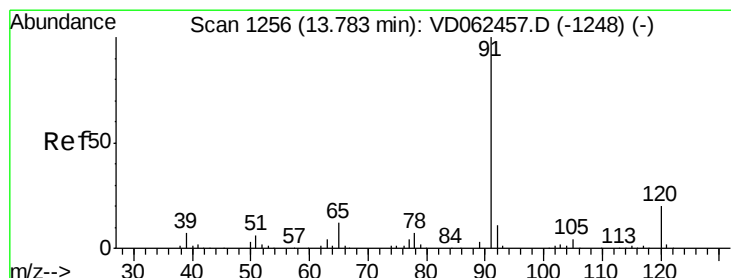
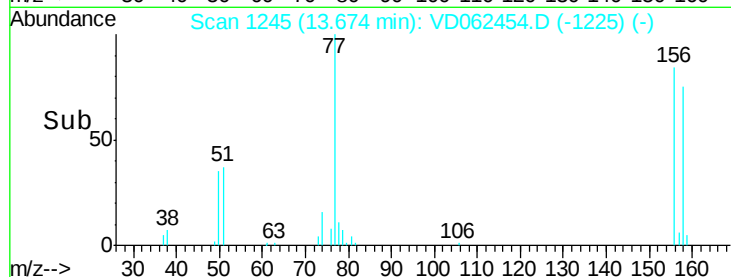
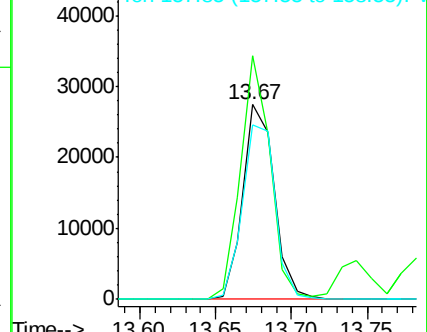
158 89.3 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.670 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VD062454.D

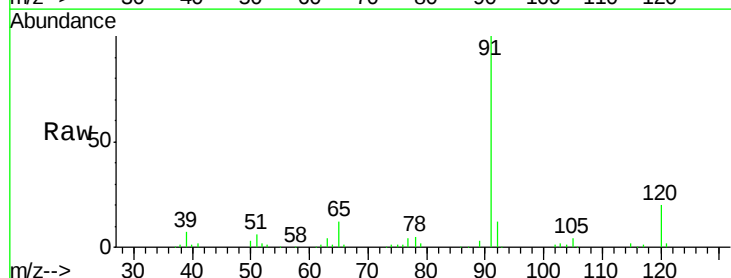
Acq: 20 May 2019 13:56

Tgt Ion: 91 Resp: 165497

Ion Ratio Lower Upper

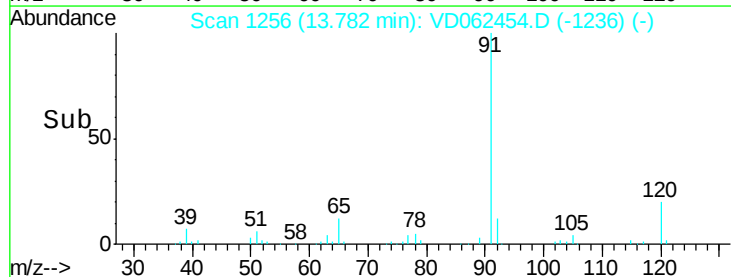
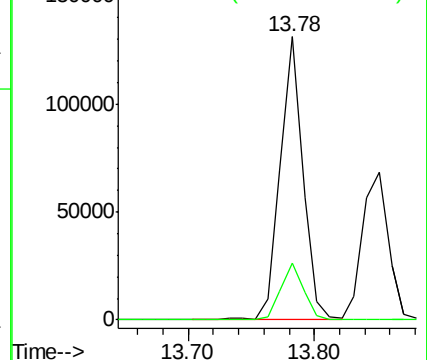
91 100

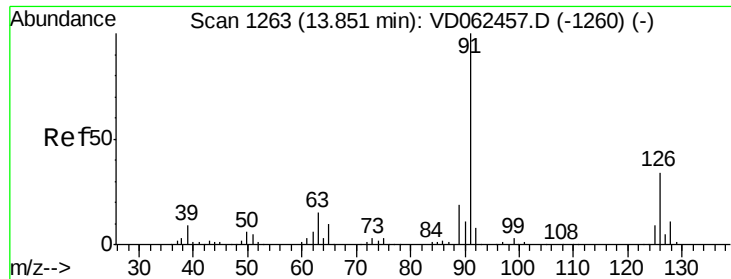
120 20.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

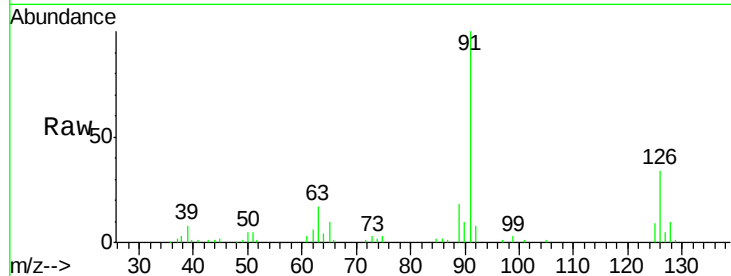




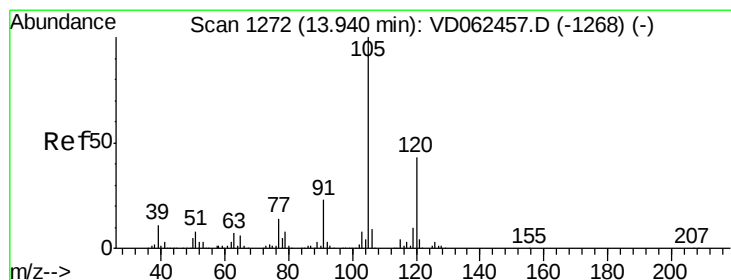
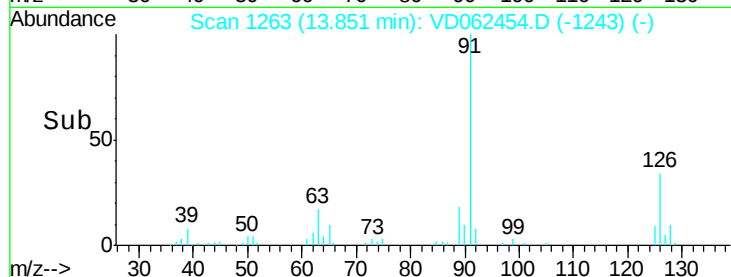
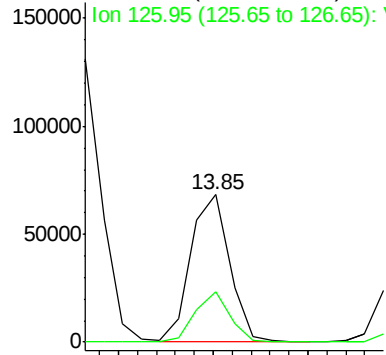
#79  
 2-Chlorotoluene  
 Concen: 5.840 ug/l  
 RT: 13.85 min Scan# 1263  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Tot Ion: 91 Resp: 97625  
 Ion Ratio Lower Upper  
 91 100  
 126 34.0 18.6 55.8

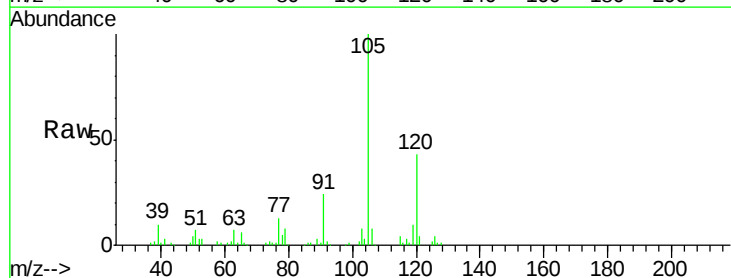


Abundance Ion 91.00 (90.70 to 91.70): V  
 Ion 125.95 (125.65 to 126.65): V

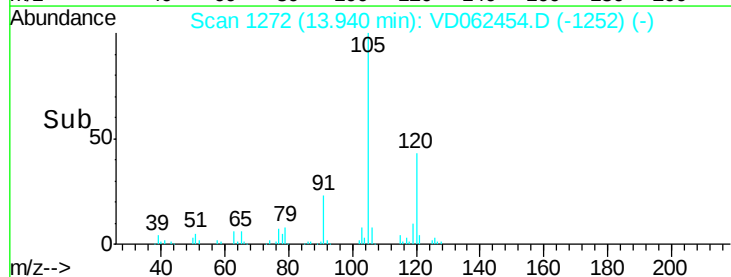
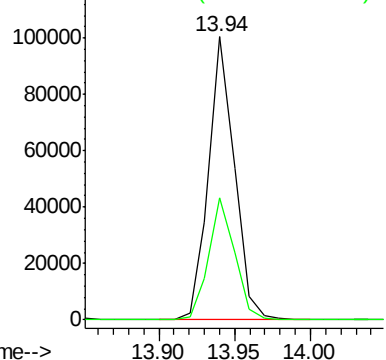


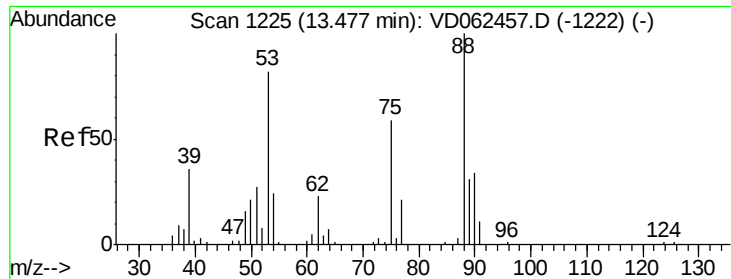
#80  
 1,3,5-Trimethylbenzene  
 Concen: 5.789 ug/l  
 RT: 13.94 min Scan# 1272  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 105 Resp: 119275  
 Ion Ratio Lower Upper  
 105 100  
 120 43.1 24.0 72.0



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

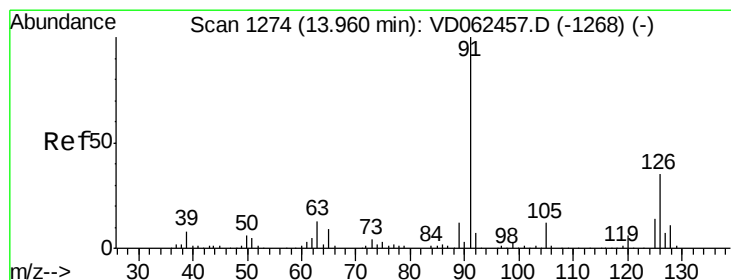
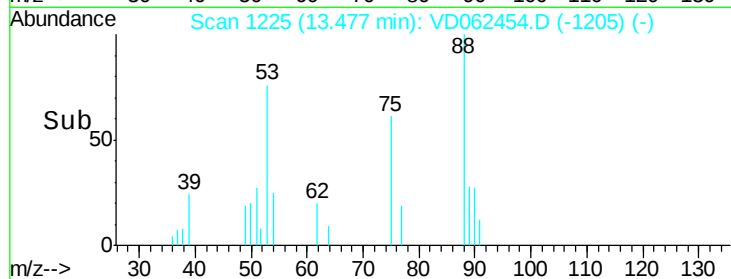
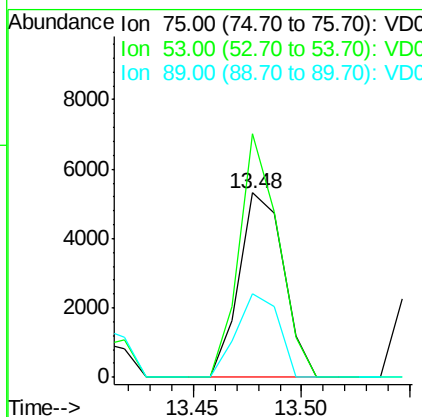
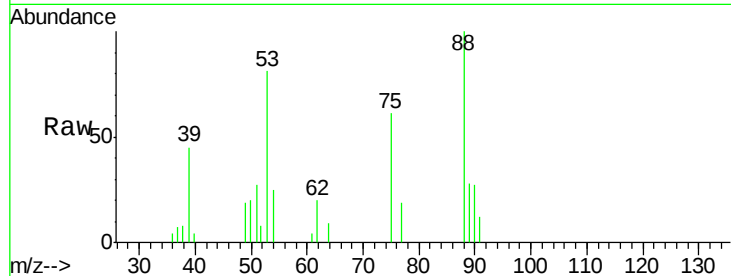




#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.548 ug/l  
RT: 13.48 min Scan# 1225  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

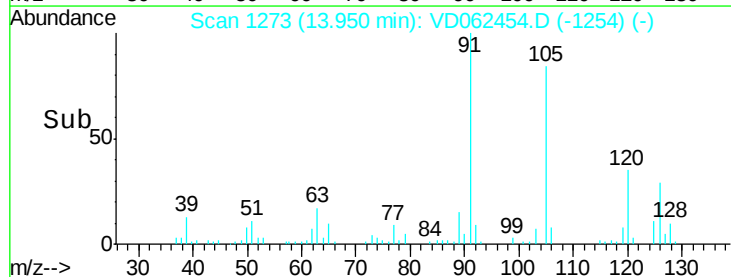
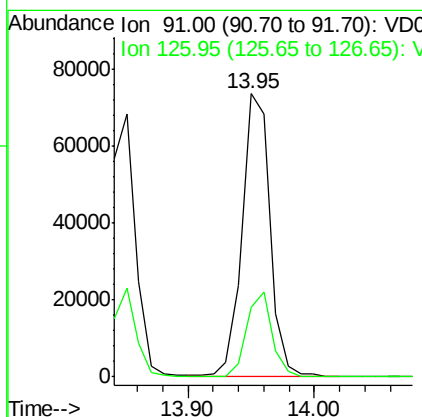
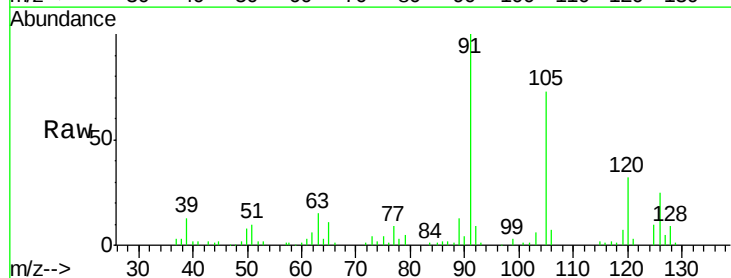
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

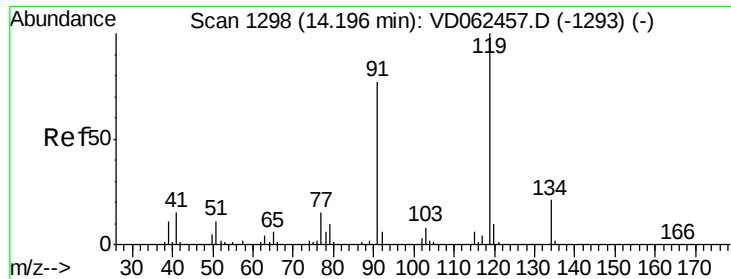
Tot Ion: 75 Resp: 7597  
Ion Ratio Lower Upper  
75 100  
53 132.1 65.8 98.8#  
89 45.5 35.0 52.6



#82  
4-Chlorotoluene  
Concen: 5.762 ug/l  
RT: 13.95 min Scan# 1273  
Delta R.T. -0.01 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 91 Resp: 113351  
Ion Ratio Lower Upper  
91 100  
126 24.8 19.1 57.5

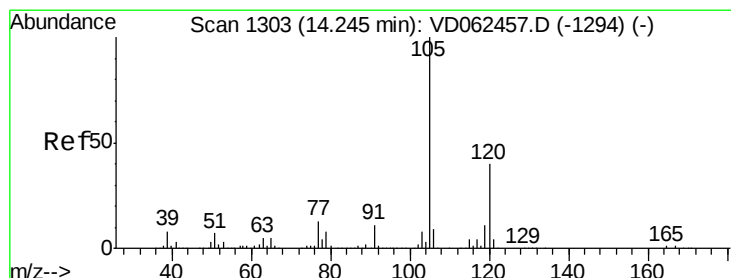
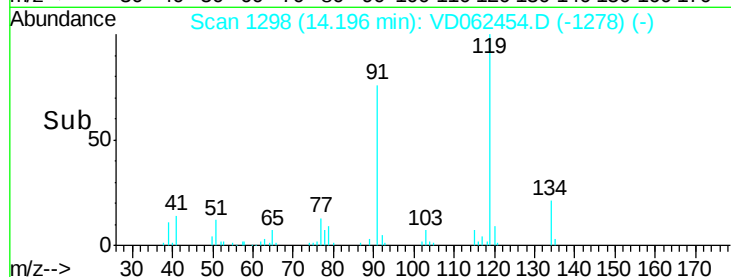
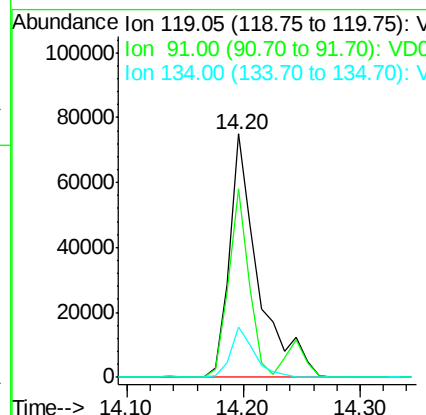
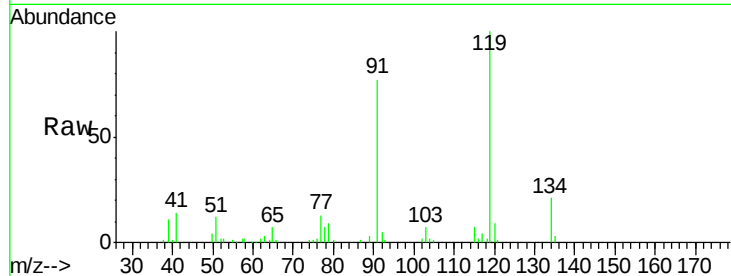




#83  
tert-Butylbenzene  
Concen: 5.529 ug/l  
RT: 14.20 min Scan# 1298  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

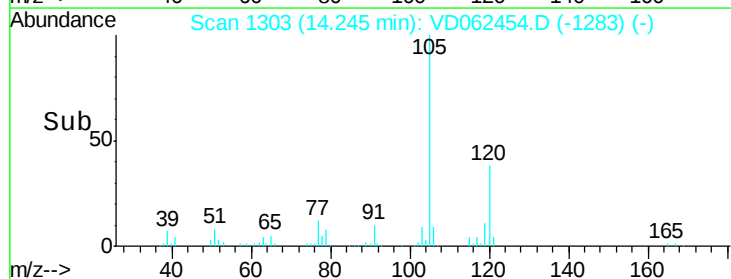
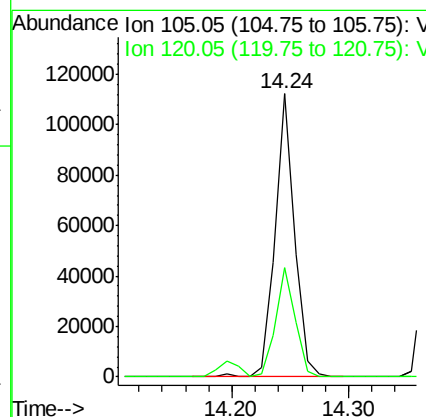
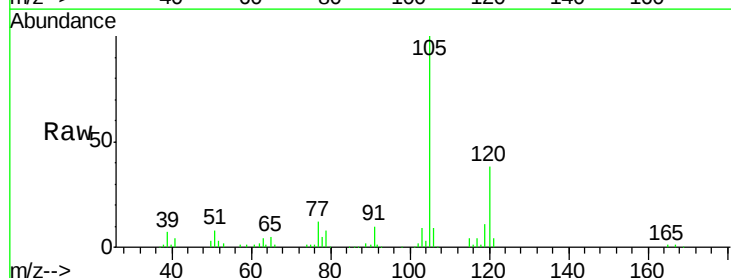
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

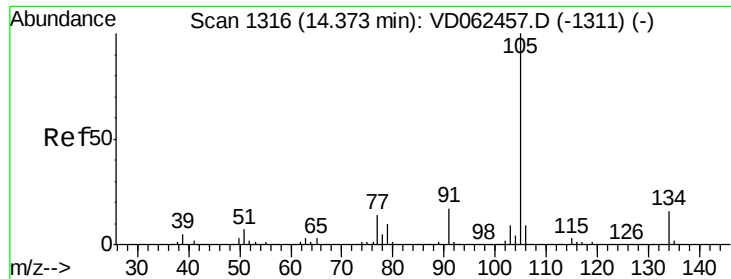
Tot Ion:119 Resp: 128039  
Ion Ratio Lower Upper  
119 100  
91 77.2 34.2 102.6  
134 20.6 12.0 36.0



#84  
1,2,4-Trimethylbenzene  
Concen: 6.263 ug/l  
RT: 14.24 min Scan# 1303  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion:105 Resp: 129494  
Ion Ratio Lower Upper  
105 100  
120 38.4 23.1 69.2

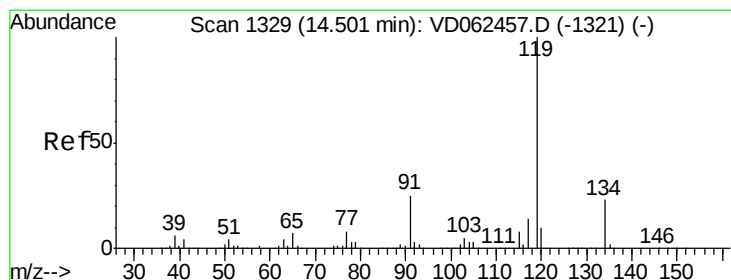
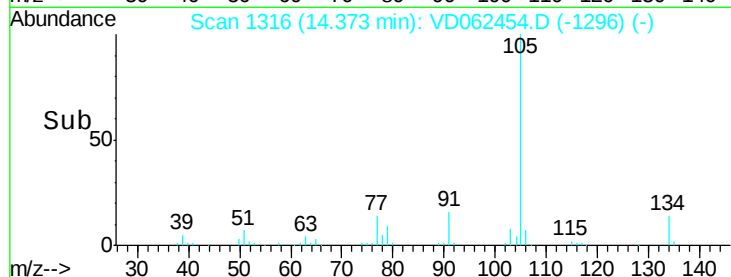
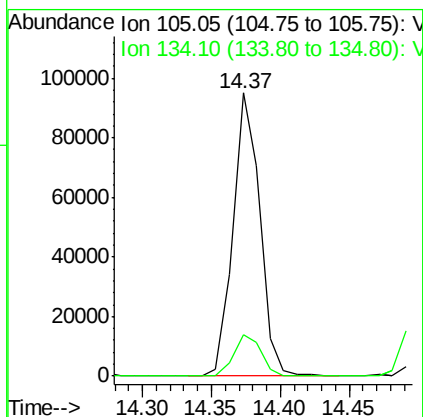
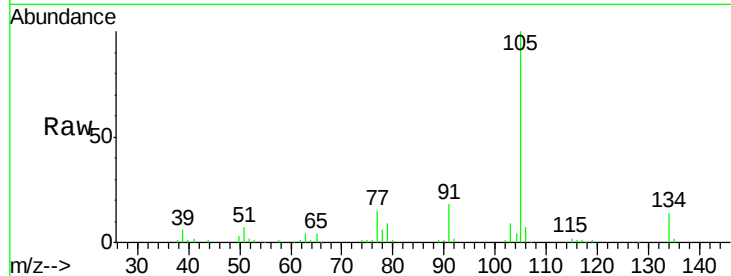




#85  
 sec-Butylbenzene  
 Concen: 5.063 ug/l  
 RT: 14.37 min Scan# 1316  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

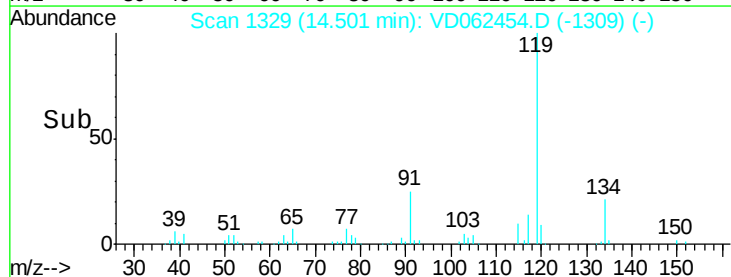
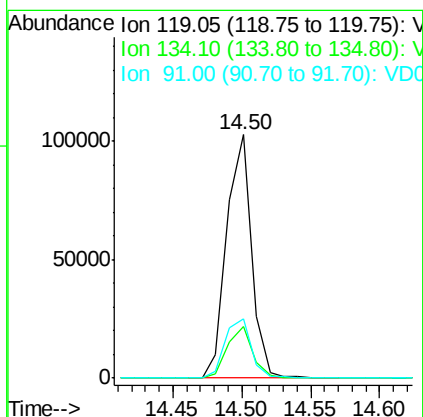
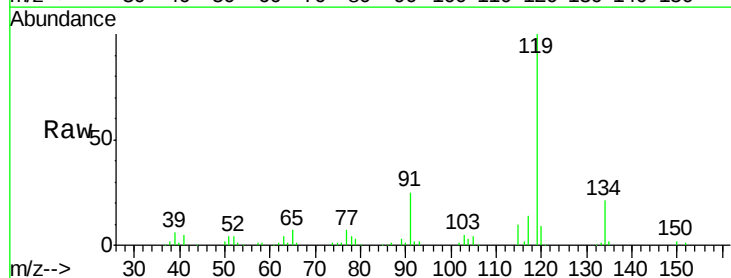
Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC005

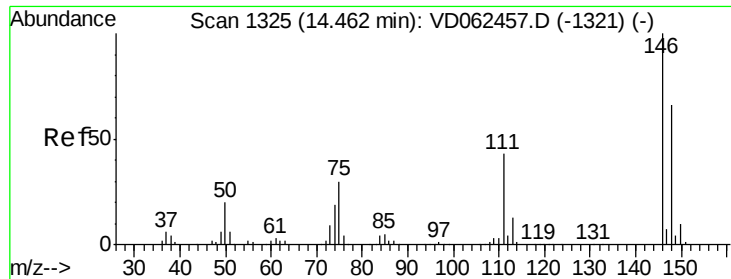
Tot Ion:105 Resp: 128550  
 Ion Ratio Lower Upper  
 105 100  
 134 14.4 8.9 26.7



#86  
 p-Isopropyltoluene  
 Concen: 5.685 ug/l  
 RT: 14.50 min Scan# 1329  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion:119 Resp: 128965  
 Ion Ratio Lower Upper  
 119 100  
 134 21.3 12.8 38.3  
 91 24.6 10.7 32.1

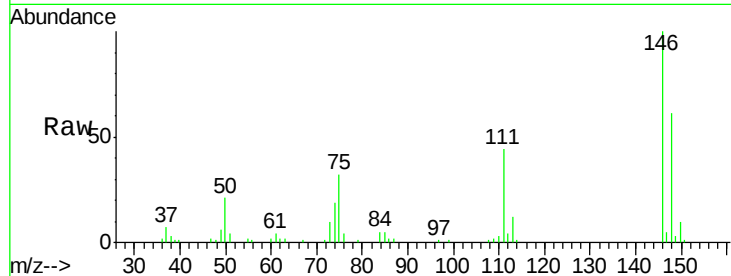




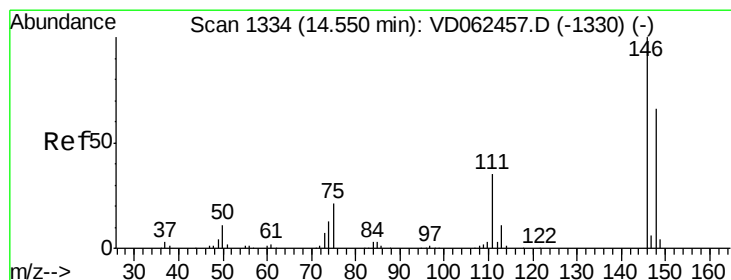
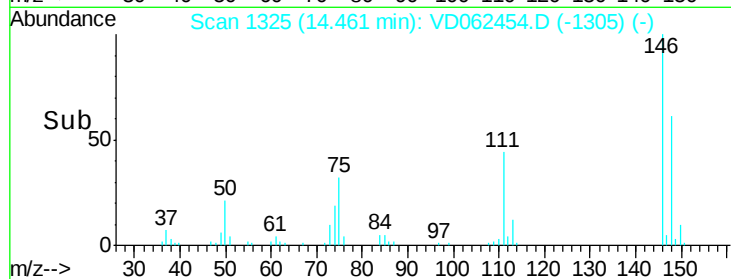
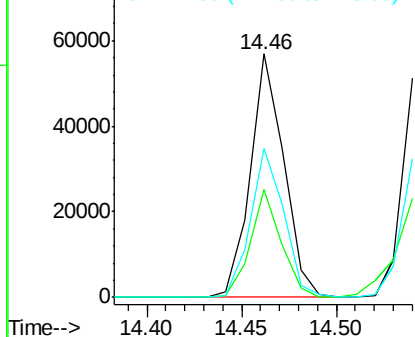
#87  
 1,3-Dichlorobenzene  
 Concen: 5.595 ug/l  
 RT: 14.46 min Scan# 1325  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Tot Ion:146 Resp: 70011  
 Ion Ratio Lower Upper  
 146 100  
 111 44.1 20.0 60.0  
 148 60.9 31.8 95.4

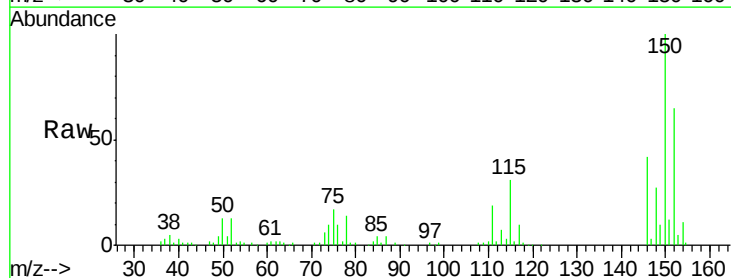


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

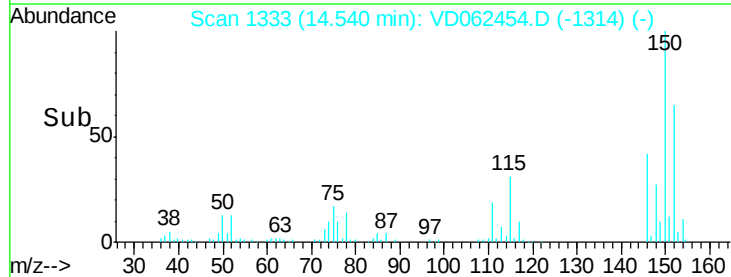
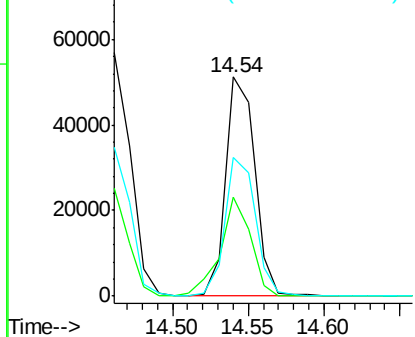


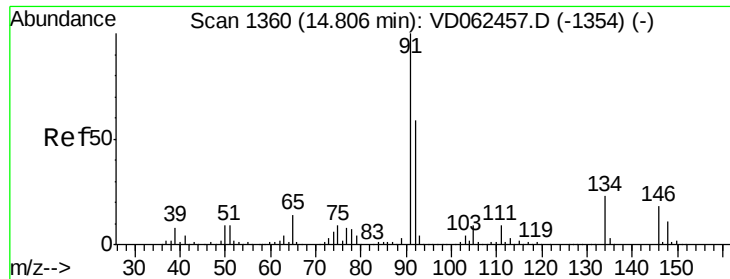
#88  
 1,4-Dichlorobenzene  
 Concen: 5.607 ug/l  
 RT: 14.54 min Scan# 1333  
 Delta R.T. -0.01 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion:146 Resp: 68932  
 Ion Ratio Lower Upper  
 146 100  
 111 45.2 20.2 60.5  
 148 63.3 32.0 96.2



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

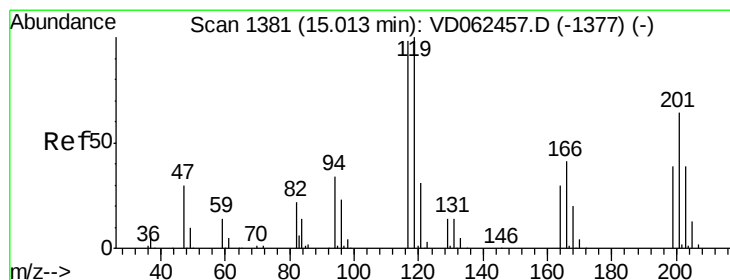
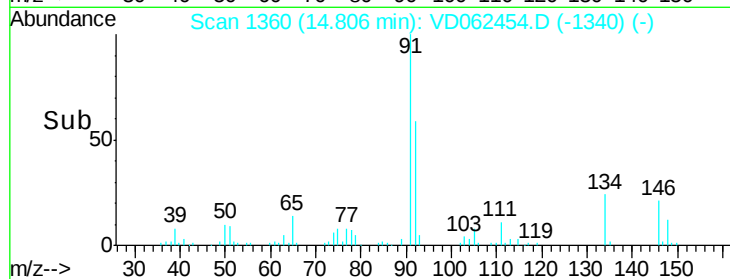
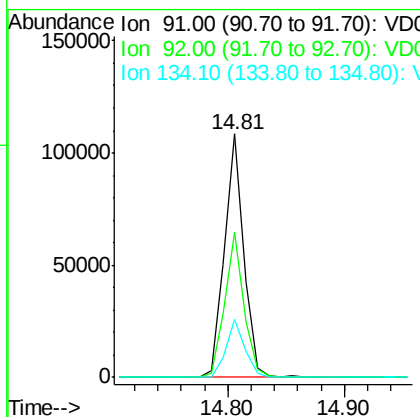
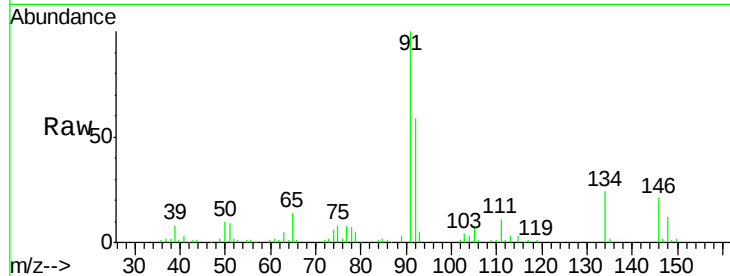




#89  
n-Butylbenzene  
Concen: 6.108 ug/l  
RT: 14.81 min Scan# 1360  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

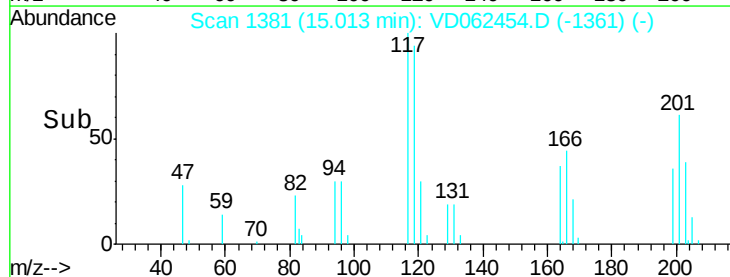
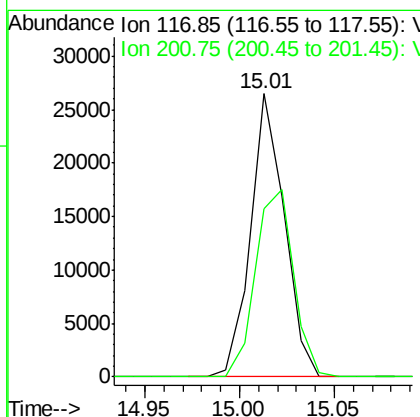
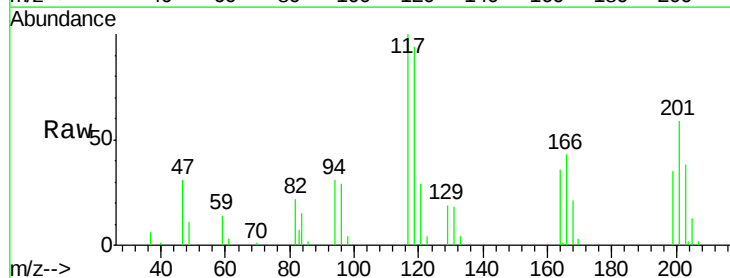
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

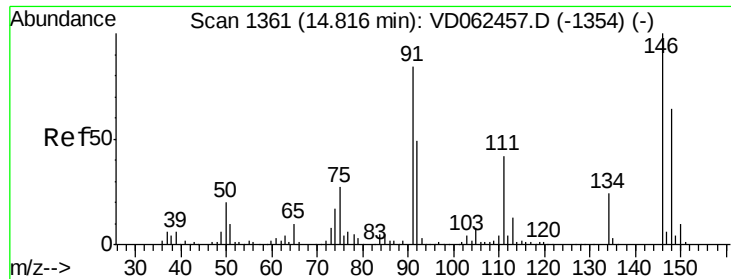
Tot Ion: 91 Resp: 124369  
Ion Ratio Lower Upper  
91 100  
92 59.3 30.3 91.0  
134 24.0 14.5 43.6



#90  
Hexachloroethane  
Concen: 5.309 ug/l  
RT: 15.01 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: VD062454.D  
Acq: 20 May 2019 13:56

Tgt Ion: 117 Resp: 32752  
Ion Ratio Lower Upper  
117 100  
201 59.3 30.2 90.6

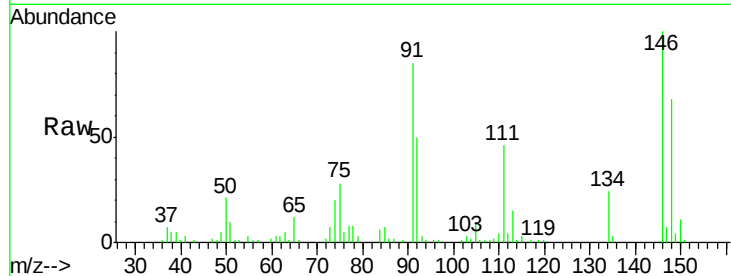




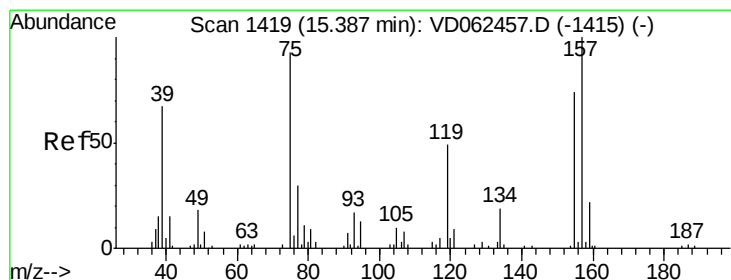
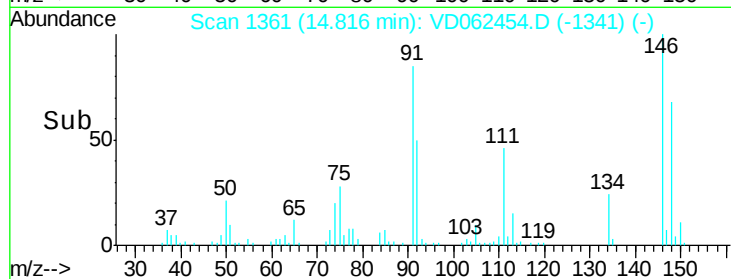
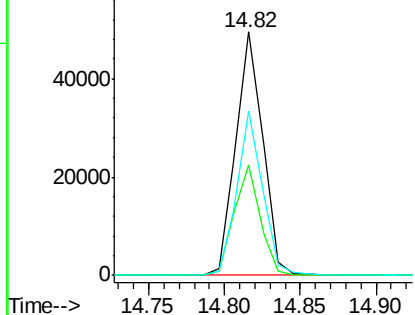
#91  
 1,2-Dichlorobenzene  
 Concen: 5.946 ug/l  
 RT: 14.82 min Scan# 1361  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Tot Ion:146 Resp: 61271  
 Ion Ratio Lower Upper  
 146 100  
 111 45.6 20.0 59.9  
 148 67.6 32.3 96.8

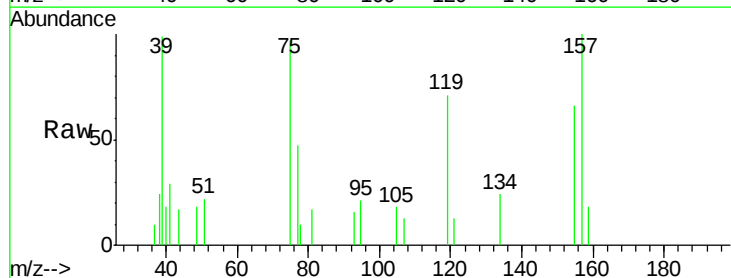


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

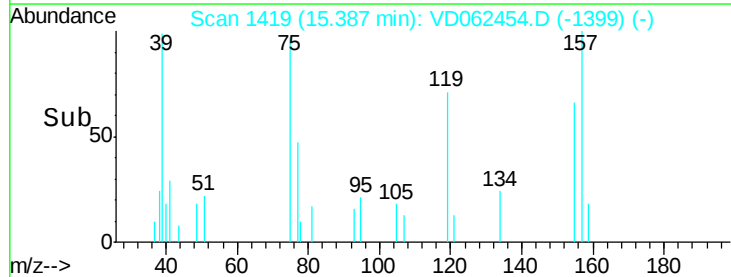
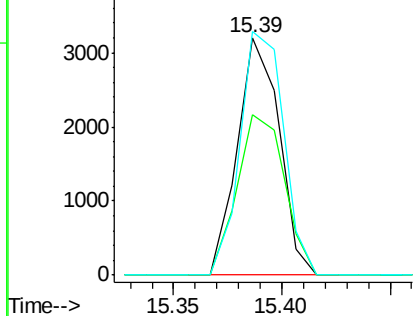


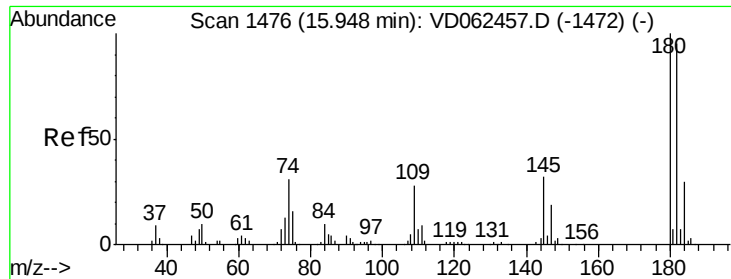
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.633 ug/l  
 RT: 15.39 min Scan# 1419  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion: 75 Resp: 4283  
 Ion Ratio Lower Upper  
 75 100  
 155 67.8 55.3 165.8  
 157 102.7 67.8 203.2



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

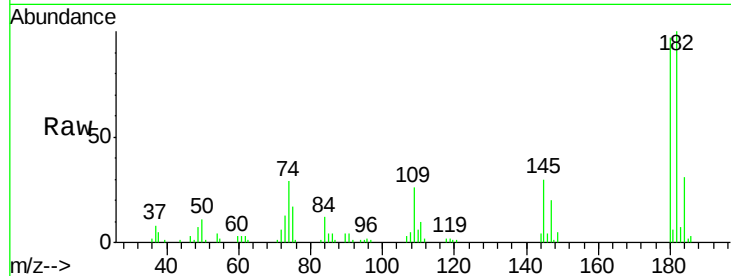




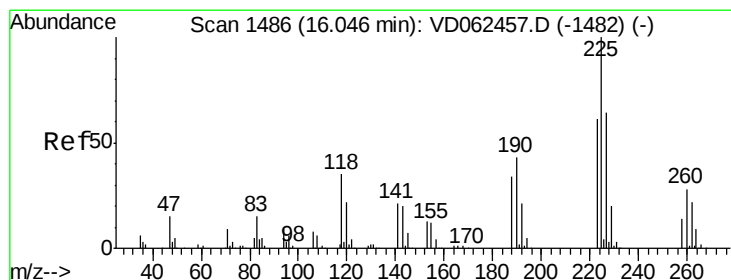
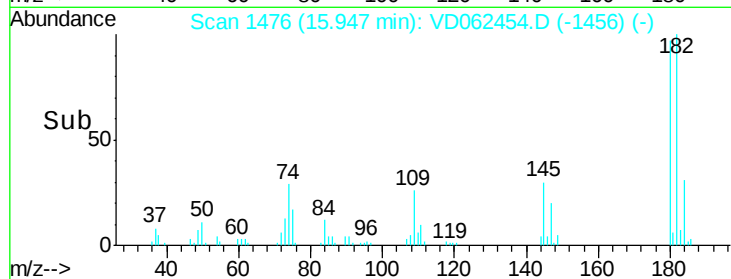
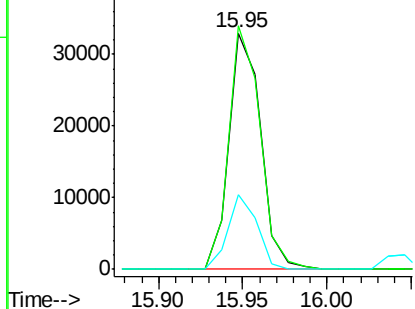
#93  
 1,2,4-Trichlorobenzene  
 Concen: 5.760 ug/l  
 RT: 15.95 min Scan# 1476  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC005

Tot Ion:180 Resp: 43204  
 Ion Ratio Lower Upper  
 180 100  
 182 102.9 49.3 147.8  
 145 31.4 16.2 48.6

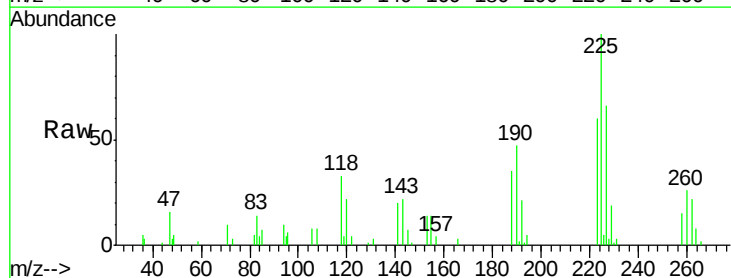


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

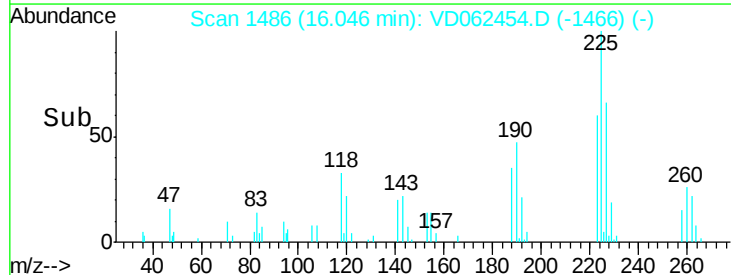
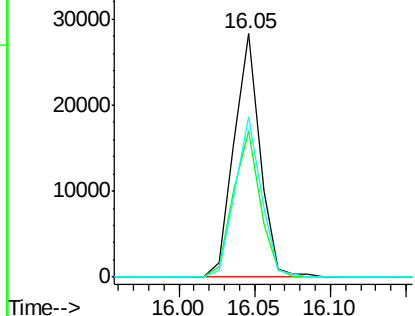


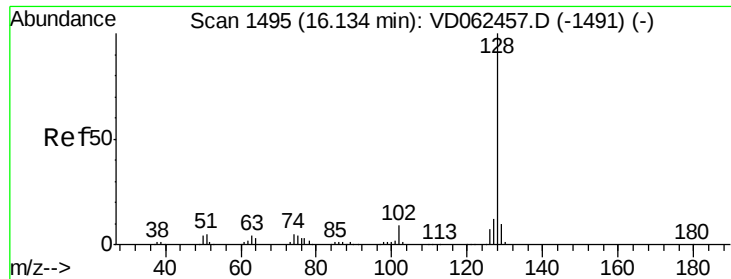
#94  
 Hexachlorobutadiene  
 Concen: 6.039 ug/l  
 RT: 16.05 min Scan# 1486  
 Delta R.T. -0.00 min  
 Lab File: VD062454.D  
 Acq: 20 May 2019 13:56

Tgt Ion:225 Resp: 33690  
 Ion Ratio Lower Upper  
 225 100  
 223 60.2 30.6 92.0  
 227 65.9 32.0 96.2



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: 6.143 ug/l

RT: 16.13 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

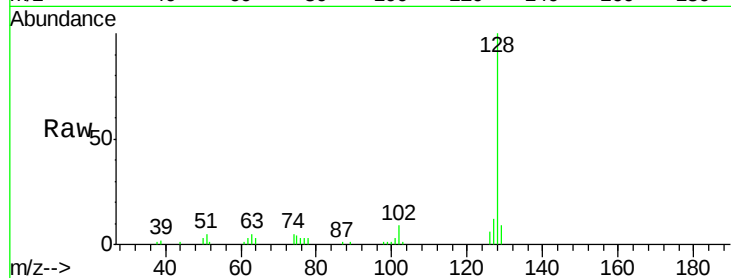
Tot Ion:128 Resp: 64330

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

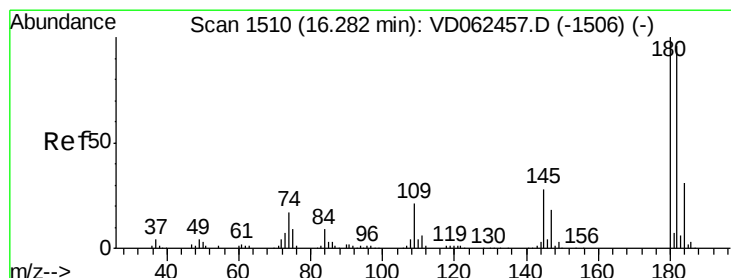
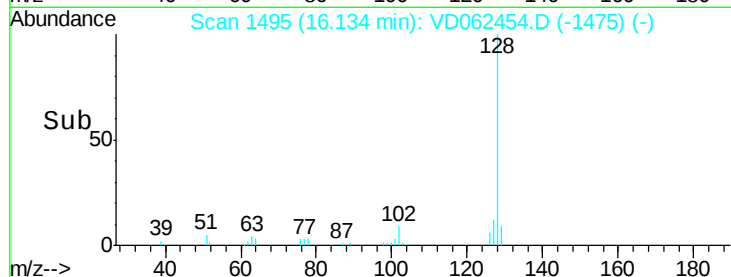
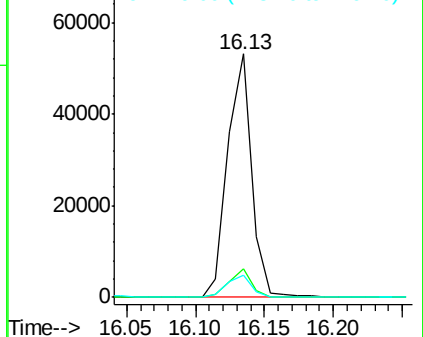
129 9.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 7.395 ug/l

RT: 16.27 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD062454.D

Acq: 20 May 2019 13:56

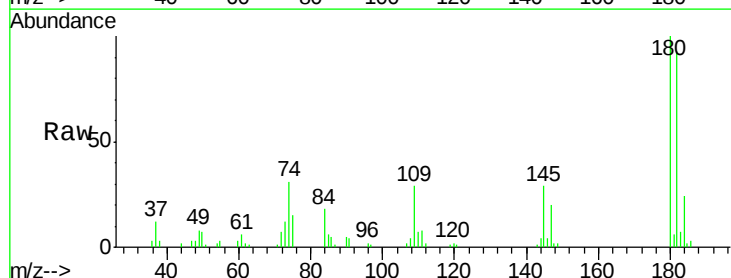
Tgt Ion:180 Resp: 34872

Ion Ratio Lower Upper

180 100

182 92.6 47.0 141.0

145 29.2 17.0 51.0



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

