

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\  
 Data File : VD063231.D  
 Acq On : 30 Jul 2019 10:09  
 Operator : VA/AP  
 Sample : VSTDCCC050  
 Misc : 5.00g/5ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jul 31 04:52:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 1050686  | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 1430464  | 50.00 | ug/l  | 0.01     |
| 63) Chlorobenzene-d5       | 12.36 | 117  | 1187667  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 638208   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.45  | 65   | 626506   | 53.74 | ug/l    | 0.01     |
| Spiked Amount               |       |      | Recovery | =     | 107.48% |          |
| 35) Dibromofluoromethane    | 6.92  | 113  | 706139   | 57.82 | ug/l    | 0.01     |
| Spiked Amount               |       |      | Recovery | =     | 115.64% |          |
| 50) Toluene-d8              | 10.41 | 98   | 1591231  | 58.22 | ug/l    | 0.01     |
| Spiked Amount               |       |      | Recovery | =     | 116.44% |          |
| 62) 4-Bromofluorobenzene    | 13.55 | 95   | 686025   | 55.08 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 110.16% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.57 | 85   | 656780   | 51.138  | ug/l   | 99     |
| 3) Chloromethane              | 1.75 | 50   | 501332   | 50.241  | ug/l # | 89     |
| 4) Vinyl Chloride             | 1.85 | 62   | 529366   | 51.246  | ug/l   | 99     |
| 5) Bromomethane               | 2.15 | 94   | 271991   | 52.207  | ug/l   | 97     |
| 6) Chloroethane               | 2.27 | 64   | 251893   | 52.816  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 2.53 | 101  | 1097000  | 54.740  | ug/l   | 97     |
| 8) Diethyl Ether              | 2.87 | 74   | 147176   | 52.475  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.14 | 101  | 598290   | 53.896  | ug/l   | 97     |
| 10) Methyl Iodide             | 3.30 | 142  | 850409   | 53.029  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 4.08 | 59   | 106547   | 208.252 | ug/l   | 95     |
| 12) 1,1-Dichloroethene        | 3.13 | 96   | 476271   | 58.442  | ug/l   | 86     |
| 13) Acrolein                  | 3.03 | 56   | 114685   | 232.915 | ug/l   | 89     |
| 14) Allyl chloride            | 3.62 | 41   | 686192   | 52.855  | ug/l   | 90     |
| 15) Acrylonitrile             | 4.19 | 53   | 330504   | 249.168 | ug/l   | 95     |
| 16) Acetone                   | 3.23 | 43   | 665127   | 292.813 | ug/l   | 99     |
| 17) Carbon Disulfide          | 3.37 | 76   | 1423679  | 52.193  | ug/l   | 98     |
| 18) Methyl Acetate            | 3.64 | 43   | 203816   | 46.713  | ug/l   | 95     |
| 19) Methyl tert-butyl Ether   | 4.24 | 73   | 950568   | 51.637  | ug/l   | 97     |
| 20) Methylene Chloride        | 3.81 | 84   | 456693   | 49.739  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 4.22 | 96   | 481699   | 52.679  | ug/l   | 91     |
| 22) Diisopropyl ether         | 5.13 | 45   | 1350761  | 52.077  | ug/l   | 100    |
| 23) Vinyl Acetate             | 5.06 | 43   | 4224636  | 264.969 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 4.98 | 63   | 834600   | 50.375  | ug/l   | 96     |
| 25) 2-Butanone                | 6.07 | 43   | 620325   | 272.114 | ug/l   | 94     |
| 26) 2,2-Dichloropropane       | 6.02 | 77   | 936104   | 54.827  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 6.03 | 96   | 504184   | 51.428  | ug/l   | 98     |
| 28) Bromochloromethane        | 6.44 | 49   | 315898   | 47.856  | ug/l # | 100    |
| 29) Tetrahydrofuran           | 6.46 | 42   | 254089   | 235.421 | ug/l   | 98     |
| 30) Chloroform                | 6.66 | 83   | 1034793  | 50.329  | ug/l   | 99     |
| 31) Cyclohexane               | 6.95 | 56   | 551763   | 53.132  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane     | 6.87 | 97   | 1071733  | 53.889  | ug/l   | 96     |
| 36) 1,1-Dichloropropene       | 7.15 | 75   | 696632   | 53.362  | ug/l   | 98     |
| 37) Ethyl Acetate             | 6.18 | 43   | 296511   | 50.556  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 7.11 | 117  | 1140086  | 58.009  | ug/l   | 98     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jul 31 04:52:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:04:50 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.87  | 83   | 560030   | 51.488  | ug/l   | 100      |
| 40) Benzene                    | 7.45  | 78   | 1433317  | 52.387  | ug/l   | 98       |
| 41) Methacrylonitrile          | 6.45  | 41   | 339695   | 48.419  | ug/l # | 83       |
| 42) 1,2-Dichloroethane         | 7.58  | 62   | 770760   | 53.154  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 9.24  | 43   | 392084   | 52.334  | ug/l   | 99       |
| 44) Trichloroethene            | 8.54  | 130  | 571074   | 51.510  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 8.94  | 63   | 354345   | 50.953  | ug/l   | 99       |
| 46) Dibromomethane             | 9.06  | 93   | 310804   | 53.750  | ug/l   | 90       |
| 47) Bromodichloromethane       | 9.37  | 83   | 789442   | 53.558  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.12  | 41   | 264131   | 54.360  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.07  | 88   | 40775    | 990.586 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone       | 10.30 | 43   | 1288003  | 252.791 | ug/l   | 98       |
| 52) Toluene                    | 10.51 | 92   | 968068   | 53.198  | ug/l   | 89       |
| 53) t-1,3-Dichloropropene      | 10.92 | 75   | 691253   | 54.396  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene    | 10.04 | 75   | 733011   | 54.884  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 11.19 | 97   | 329527   | 53.617  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 11.04 | 69   | 354851   | 52.727  | ug/l   | 94       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 519613   | 53.660  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.85  | 63   | 934758   | 266.932 | ug/l   | 97       |
| 59) 2-Hexanone                 | 11.53 | 43   | 1014081  | 276.184 | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.68 | 129  | 622925   | 53.689  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.80 | 107  | 405879   | 53.520  | ug/l   | 92       |
| 64) Tetrachloroethene          | 11.25 | 164  | 483063   | 51.055  | ug/l   | 97       |
| 65) Chlorobenzene              | 12.39 | 112  | 1197776  | 52.433  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 12.51 | 131  | 558053   | 55.458  | ug/l   | 98       |
| 67) Ethyl Benzene              | 12.52 | 91   | 2162230  | 55.717  | ug/l   | 100      |
| 68) m/p-Xylenes                | 12.67 | 106  | 1519204  | 106.747 | ug/l   | 91       |
| 69) o-Xylene                   | 13.05 | 106  | 670648   | 51.315  | ug/l   | 97       |
| 70) Styrene                    | 13.07 | 104  | 1155665  | 49.862  | ug/l   | 97       |
| 71) Bromoform                  | 13.23 | 173  | 408241   | 55.788  | ug/l   | 97       |
| 73) Isopropylbenzene           | 13.41 | 105  | 2250789  | 56.191  | ug/l   | 97       |
| 74) N-amyl acetate             | 13.27 | 43   | 565413   | 53.396  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.70 | 83   | 375055   | 55.122  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 13.73 | 75   | 399001   | 52.050  | ug/l   | 99       |
| 77) Bromobenzene               | 13.67 | 156  | 570635   | 50.009  | ug/l   | 86       |
| 78) n-propylbenzene            | 13.77 | 91   | 2574401  | 54.007  | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 1466348  | 53.090  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 13.93 | 105  | 1803449  | 52.201  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 105280   | 49.460  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 1713626  | 52.719  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 14.18 | 119  | 2092882  | 53.055  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 14.23 | 105  | 1939299  | 54.270  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 14.36 | 105  | 2275060  | 54.740  | ug/l   | 98       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 1813924  | 45.728  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 14.45 | 146  | 1084712  | 53.679  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 997167   | 48.799  | ug/l   | 99       |
| 89) n-Butylbenzene             | 14.79 | 91   | 1795594  | 52.410  | ug/l   | 95       |
| 90) Hexachloroethane           | 15.00 | 117  | 551128   | 53.327  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene        | 14.80 | 146  | 897001   | 50.948  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.38 | 75   | 71691    | 51.727  | ug/l   | 93       |

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Data File : VD063231.D  
Acq On : 30 Jul 2019 10:09  
Operator : VA/AP  
Sample : VSTDCCC050  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

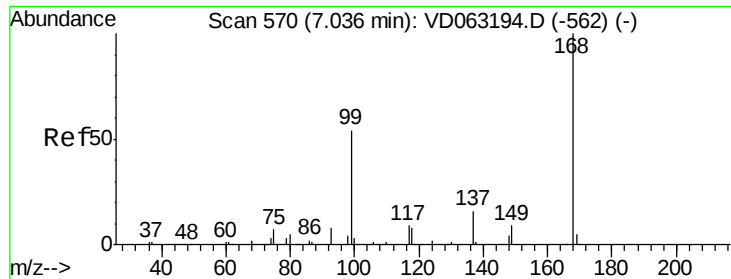
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Quant Time: Jul 31 04:52:15 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D072919S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:04:50 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 703067   | 50.337 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 16.03 | 225  | 538672   | 53.219 | ug/l  | 99       |
| 95) Naphthalene            | 16.12 | 128  | 1008426  | 51.082 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.27 | 180  | 575718   | 52.177 | ug/l  | 100      |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

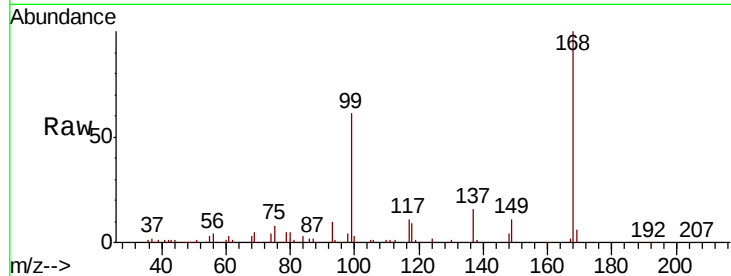
VSTDCCC050

Tot Ion:168 Resp: 1050686

Ion Ratio Lower Upper

168 100

99 60.9 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

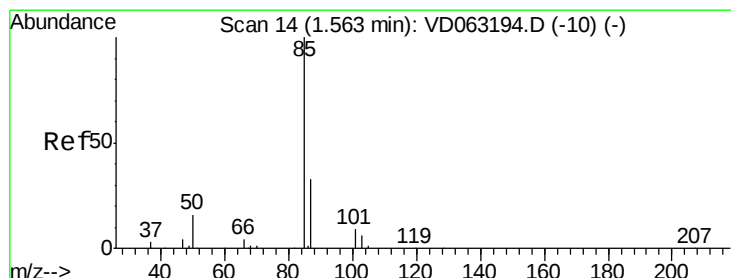
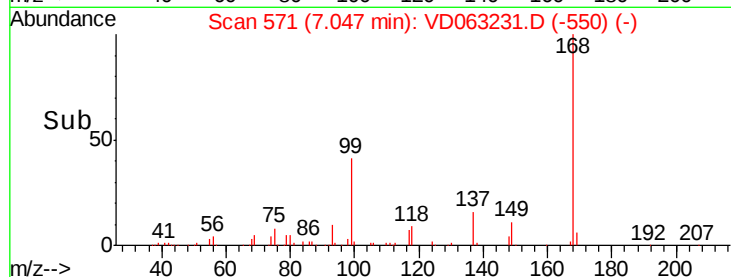
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.138 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD063231.D

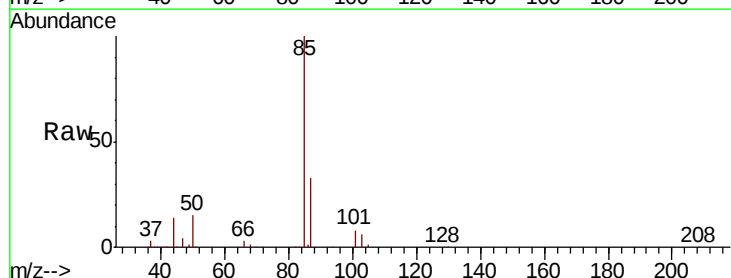
Acq: 30 Jul 2019 10:09

Tgt Ion: 85 Resp: 656780

Ion Ratio Lower Upper

85 100

87 33.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

400000

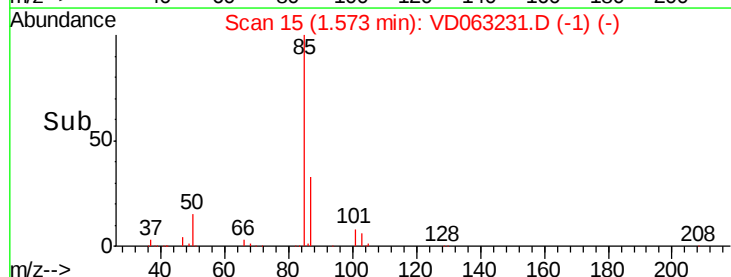
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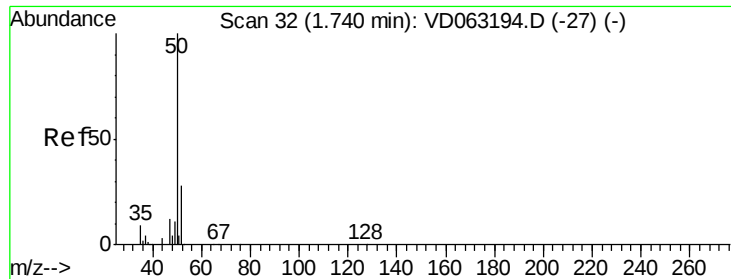
200000

100000

0

Time-->





#3

Chloromethane

Concen: 50.241 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

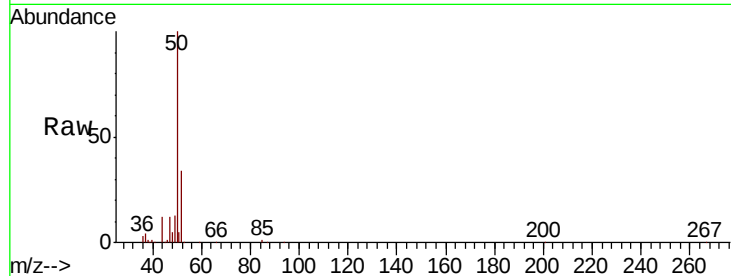
VSTDCCC050

Tot Ion: 50 Resp: 501332

Ion Ratio Lower Upper

50 100

52 34.2 22.6 34.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

200000

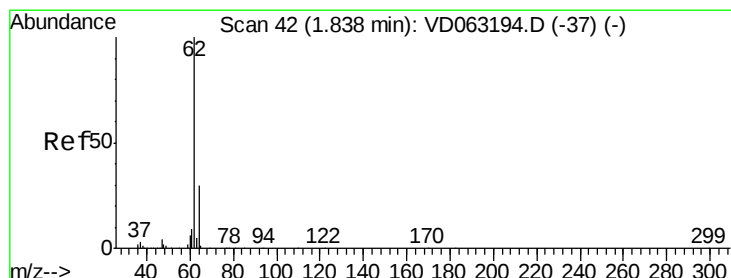
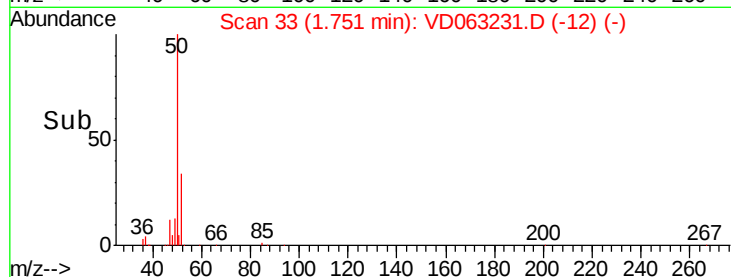
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 51.246 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD063231.D

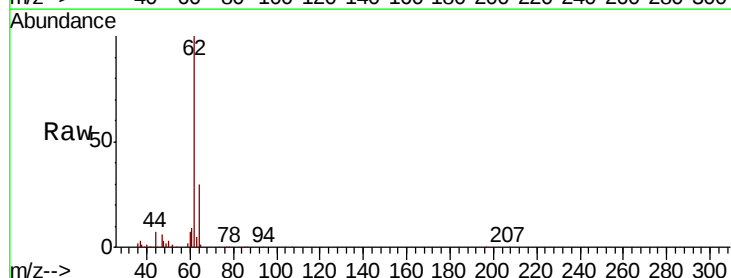
Acq: 30 Jul 2019 10:09

Tgt Ion: 62 Resp: 529366

Ion Ratio Lower Upper

62 100

64 29.7 24.1 36.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

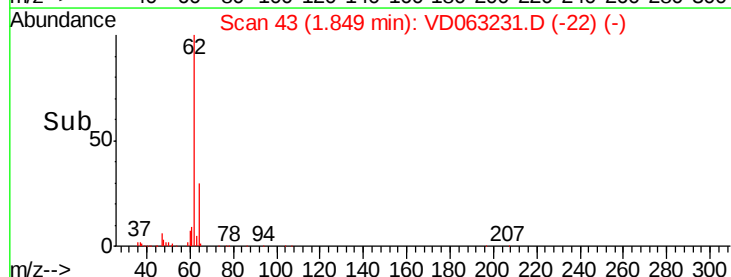
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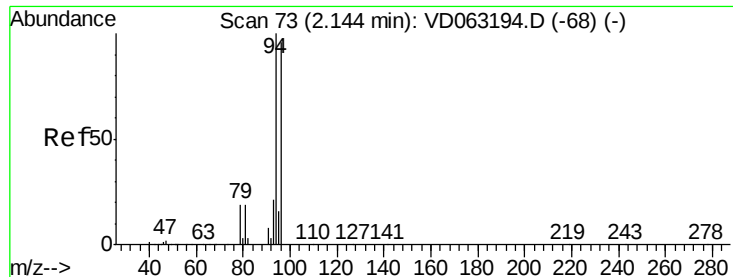
200000

100000

0

Time--> 1.80 1.90 2.00





#5

Bromomethane

Concen: 52.207 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

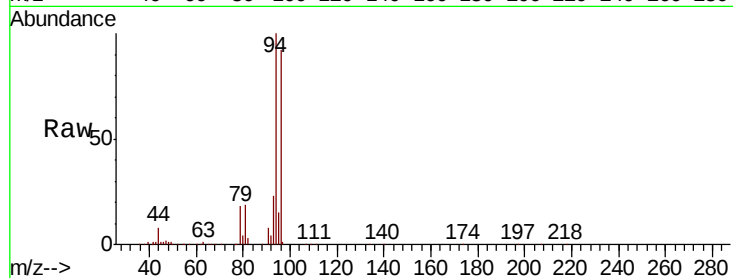
Tot Ion: 94 Resp: 271991

Ion Ratio Lower Upper

94 100

96 92.3 76.4 114.6

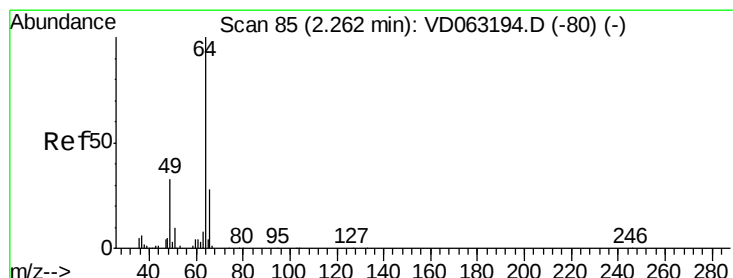
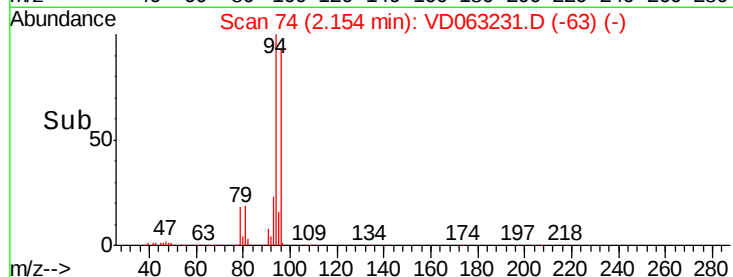
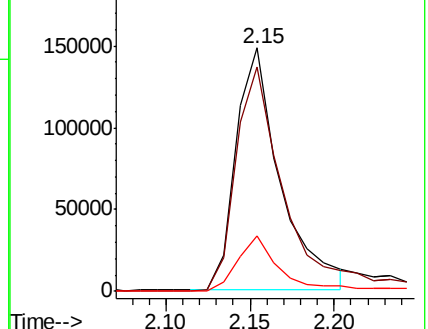
93 22.6 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 52.816 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD063231.D

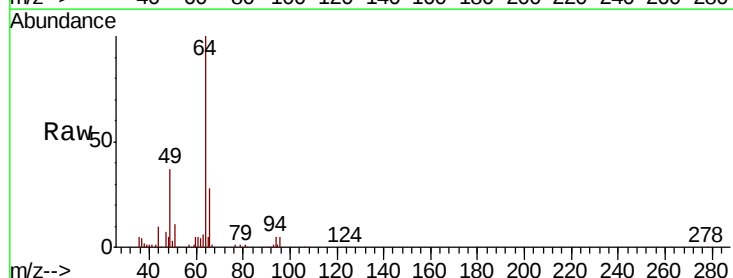
Acq: 30 Jul 2019 10:09

Tgt Ion: 64 Resp: 251893

Ion Ratio Lower Upper

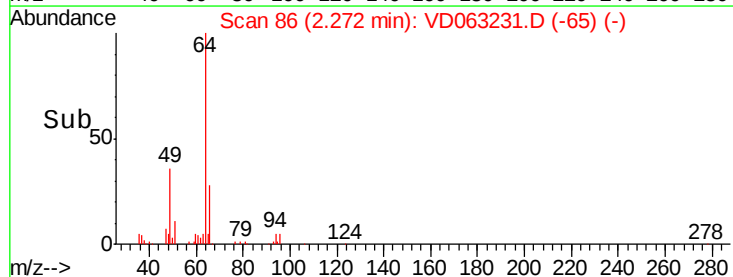
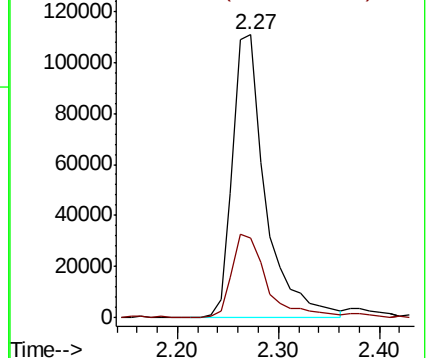
64 100

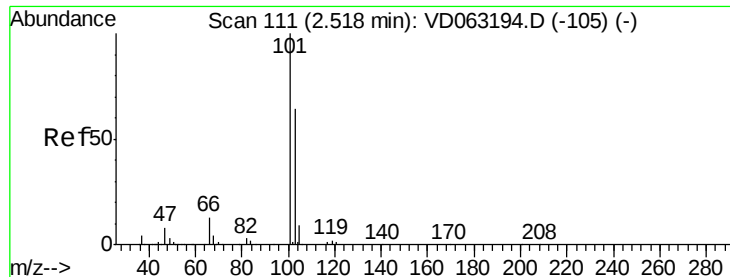
66 28.1 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



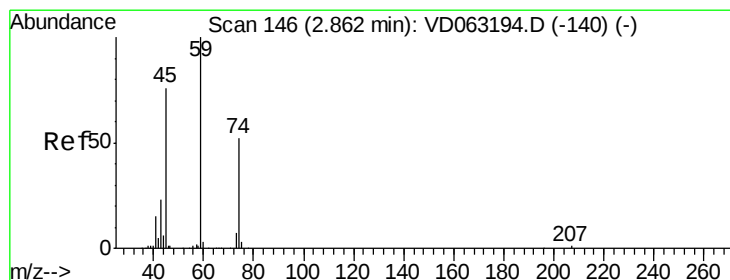
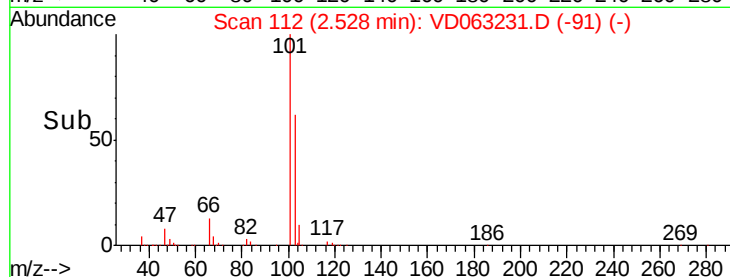
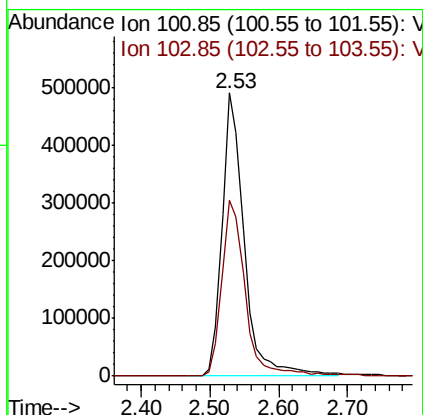
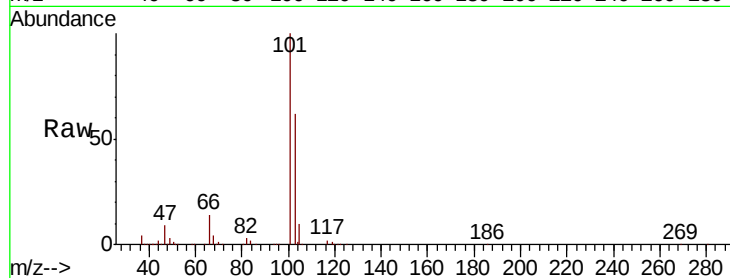


#7

Trichlorofluoromethane  
Concen: 54.740 ug/l  
RT: 2.53 min Scan# 112  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

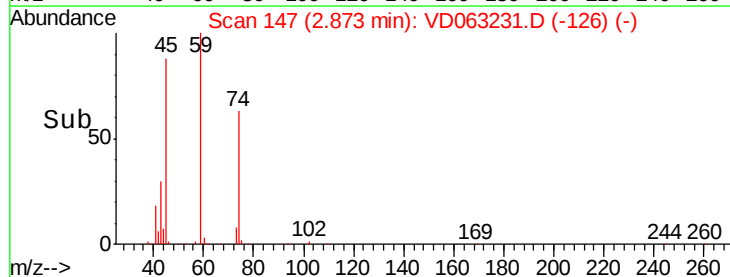
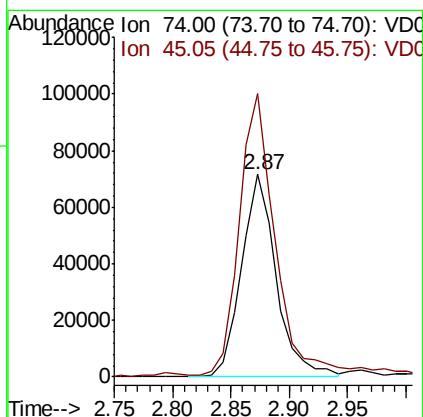
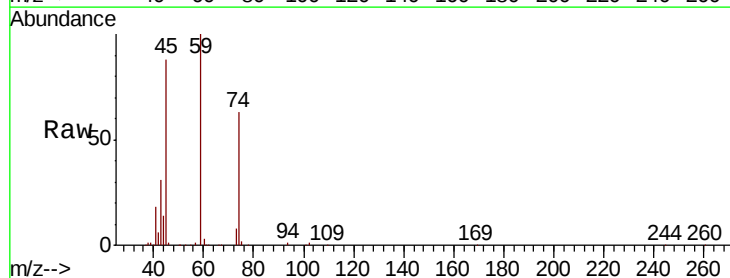
Tot Ion:101 Resp: 1097000  
Ion Ratio Lower Upper  
101 100  
103 62.0 51.5 77.3

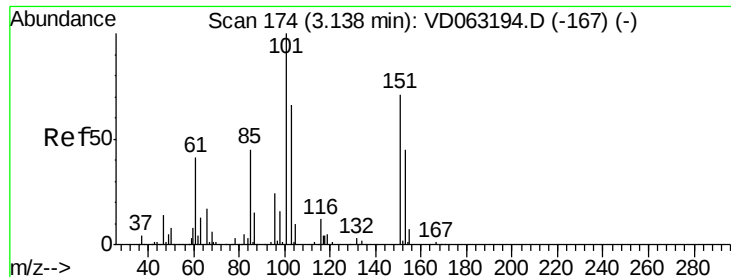


#8

Diethyl Ether  
Concen: 52.475 ug/l  
RT: 2.87 min Scan# 147  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 74 Resp: 147176  
Ion Ratio Lower Upper  
74 100  
45 140.0 73.6 220.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.896 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

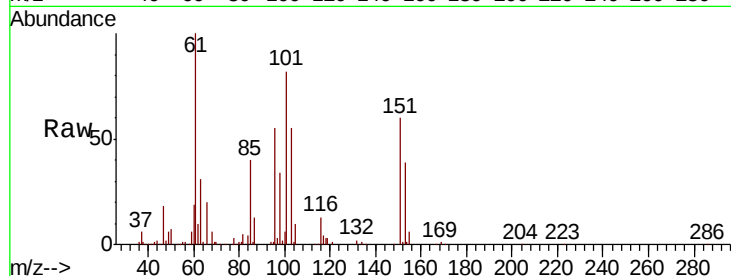
Tot Ion:101 Resp: 598290

Ion Ratio Lower Upper

101 100

85 48.2 36.1 54.1

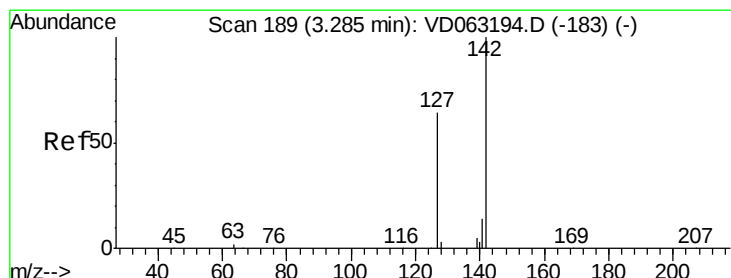
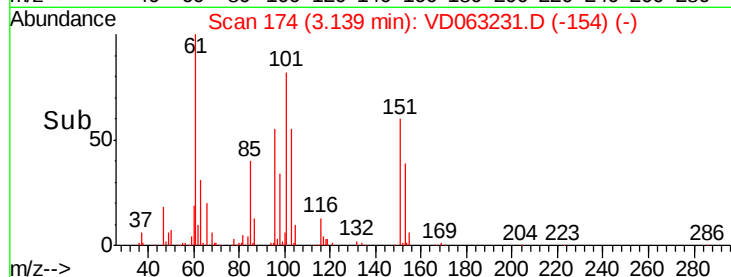
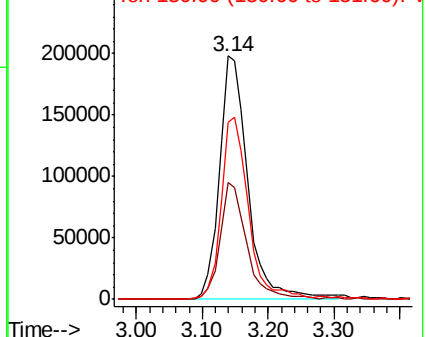
151 72.7 57.1 85.7



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 53.029 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

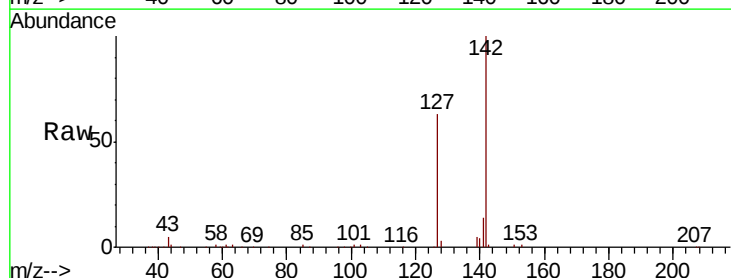
Tgt Ion:142 Resp: 850409

Ion Ratio Lower Upper

142 100

127 62.6 50.8 76.2

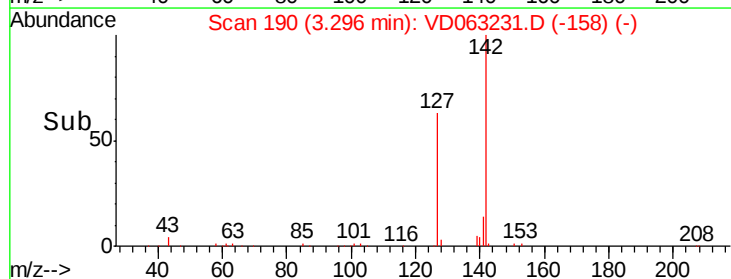
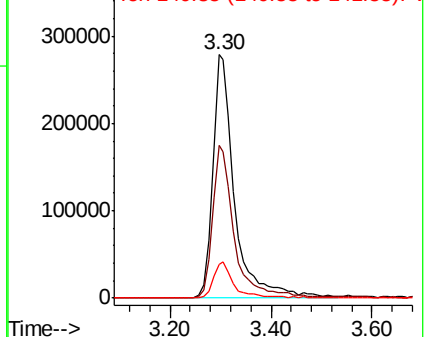
141 13.8 11.4 17.2

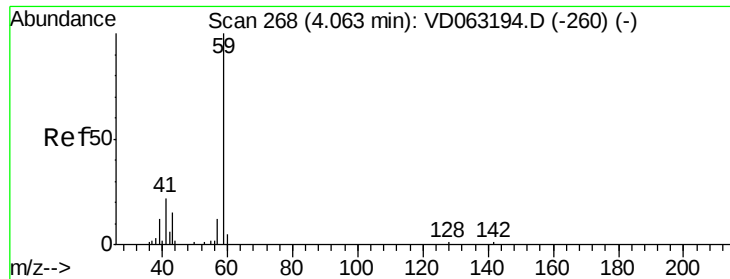


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



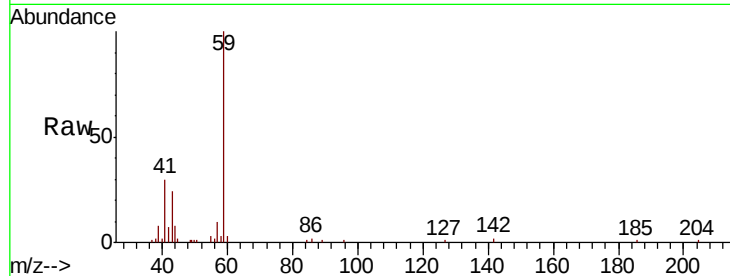


#11

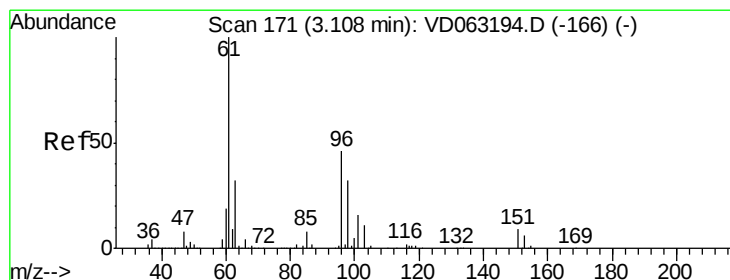
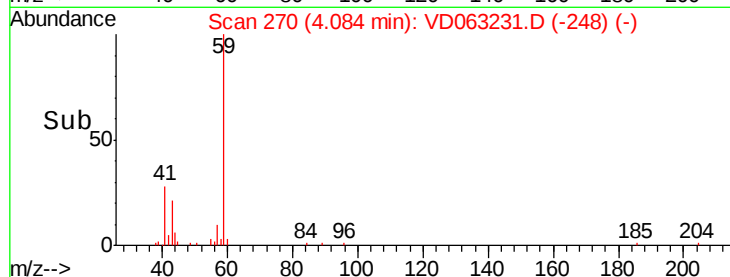
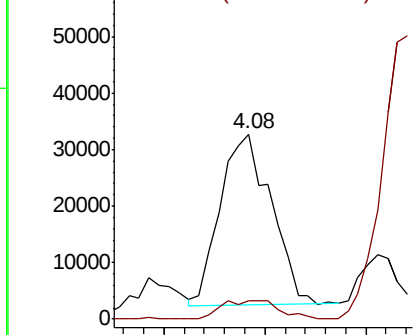
Tert butyl alcohol  
Concen: 208.252 ug/l  
RT: 4.08 min Scan# 270  
Delta R.T. 0.02 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 59 Resp: 106547  
Ion Ratio Lower Upper  
59 100  
57 10.0 9.6 14.4



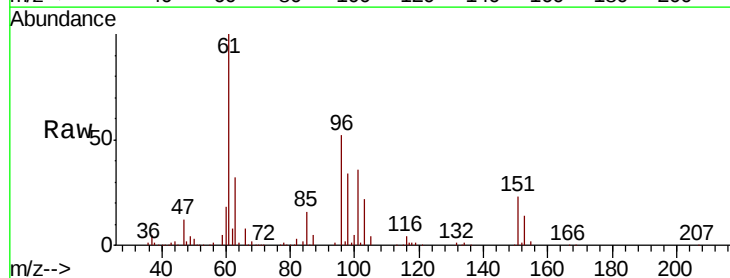
Abundance Ion 58.95 (58.65 to 59.65): VDC  
Ion 56.95 (56.65 to 57.65): VDC



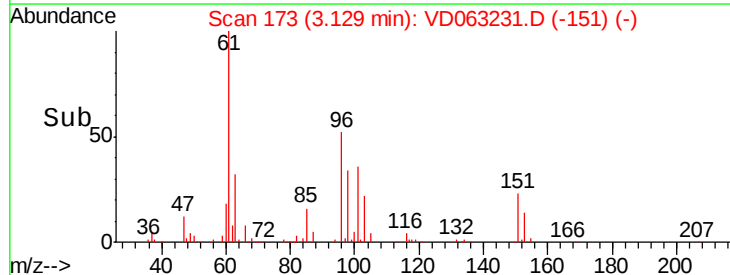
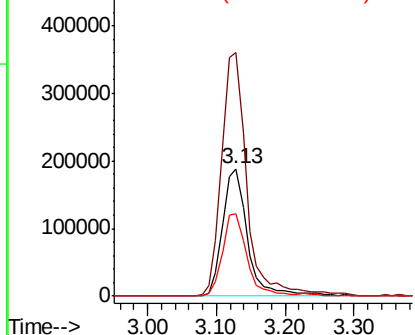
#12

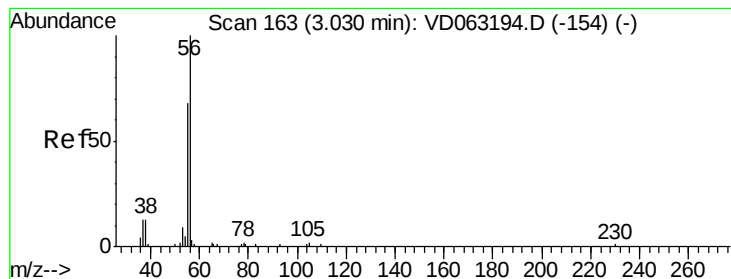
1,1-Dichloroethene  
Concen: 58.442 ug/l  
RT: 3.13 min Scan# 173  
Delta R.T. 0.02 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 96 Resp: 476271  
Ion Ratio Lower Upper  
96 100  
61 191.1 173.7 260.5  
98 65.1 55.8 83.8



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





#13

Acrolein

Concen: 232.915 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

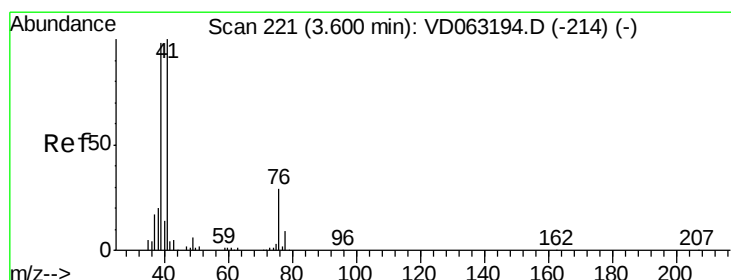
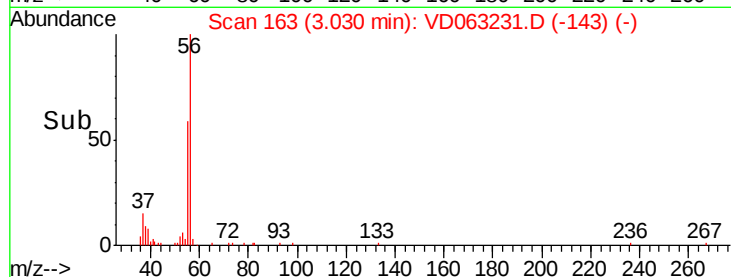
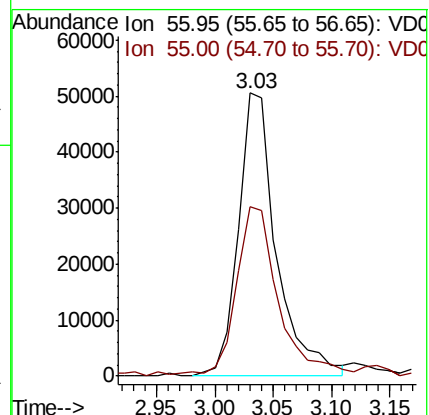
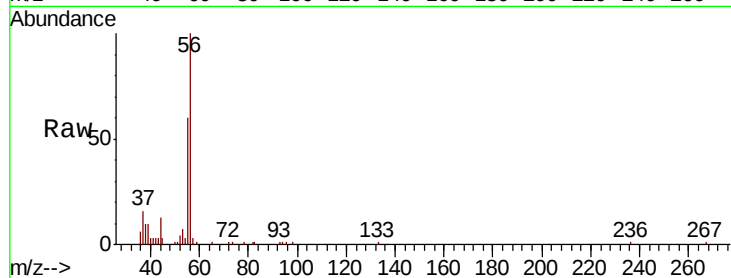
VSTDCCC050

Tot Ion: 56 Resp: 114685

Ion Ratio Lower Upper

56 100

55 59.8 55.3 82.9



#14

Allyl chloride

Concen: 52.855 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

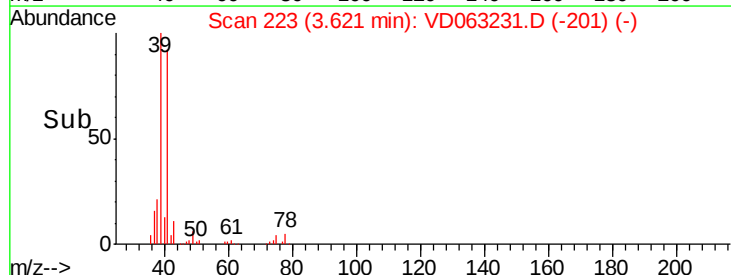
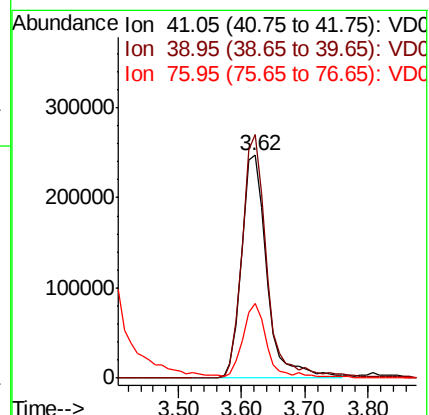
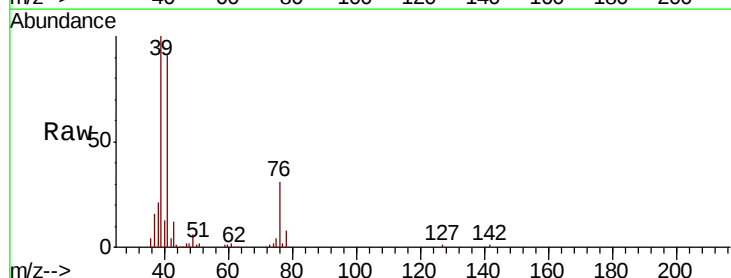
Tgt Ion: 41 Resp: 686192

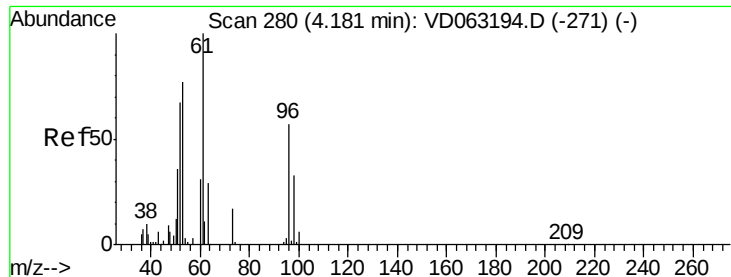
Ion Ratio Lower Upper

41 100

39 109.3 78.6 117.8

76 33.8 24.5 36.7





#15

Acrylonitrile

Concen: 249.168 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

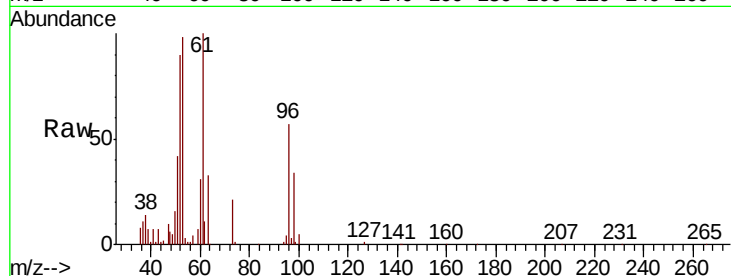
Tot Ion: 53 Resp: 330504

Ion Ratio Lower Upper

53 100

52 91.3 69.7 104.5

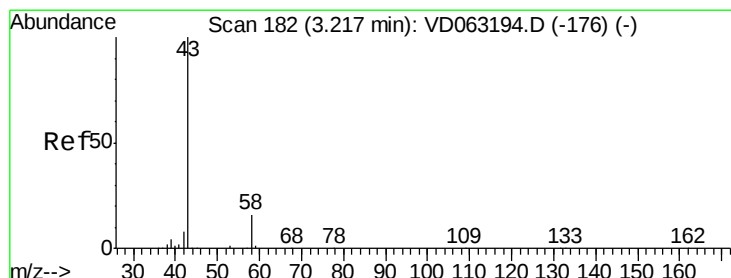
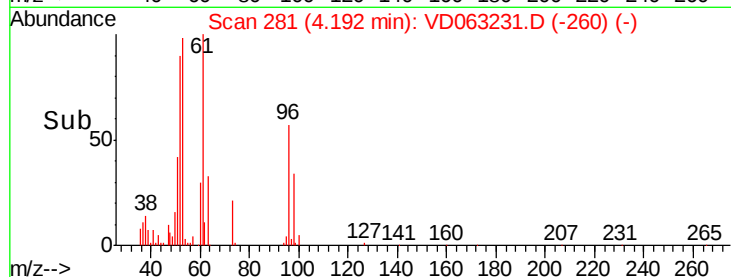
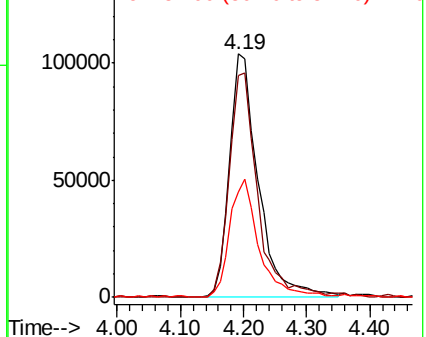
51 43.2 37.4 56.0



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 292.813 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063231.D

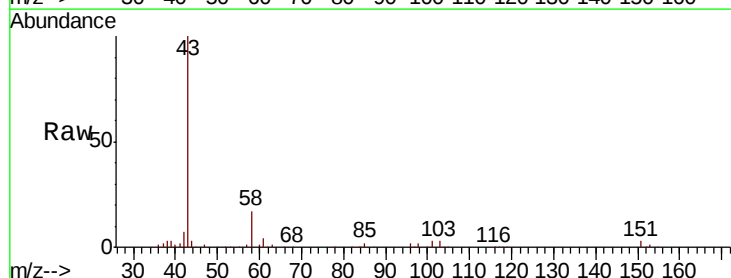
Acq: 30 Jul 2019 10:09

Tgt Ion: 43 Resp: 665127

Ion Ratio Lower Upper

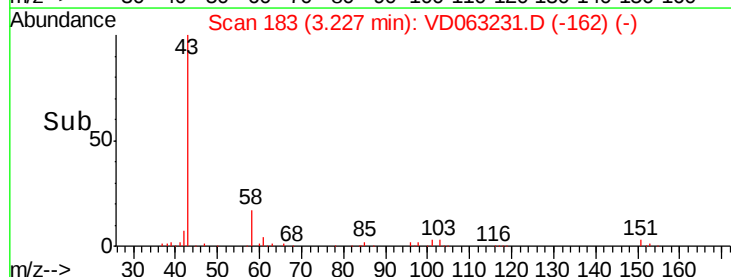
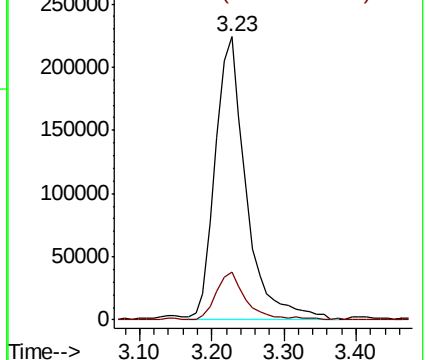
43 100

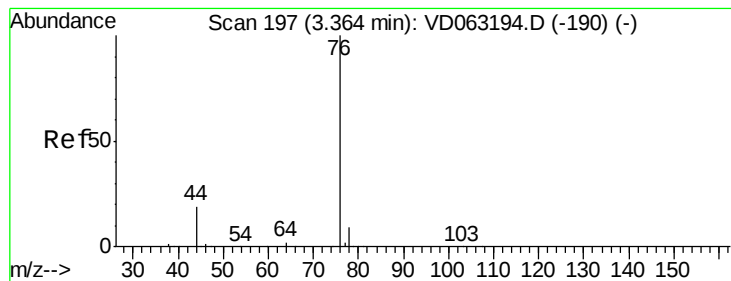
58 16.7 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 52.193 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

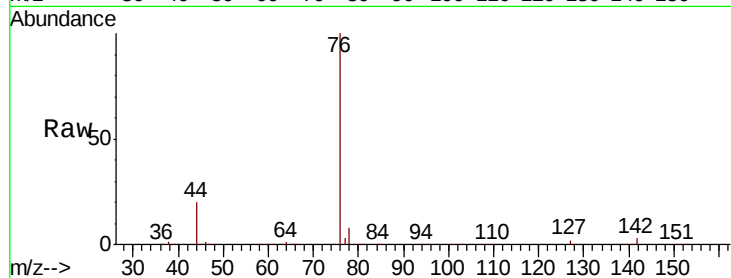
VSTDCCC050

Tot Ion: 76 Resp: 1423679

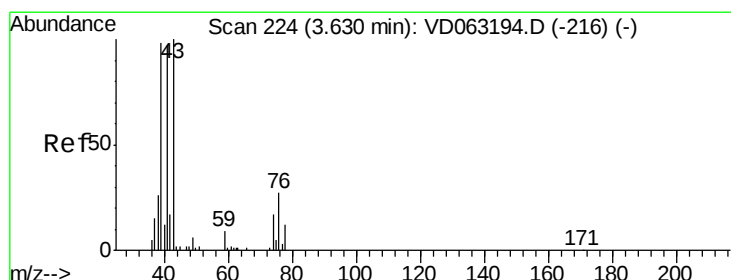
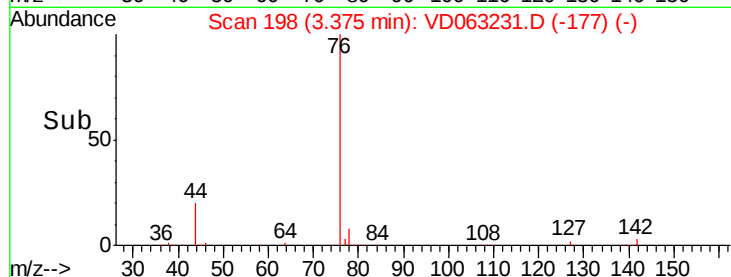
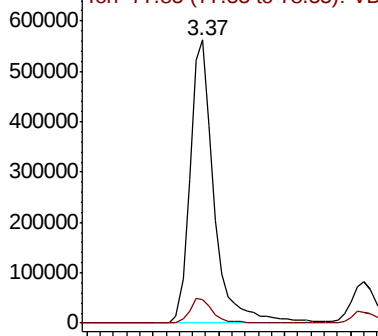
Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2



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



#18

Methyl Acetate

Concen: 46.713 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD063231.D

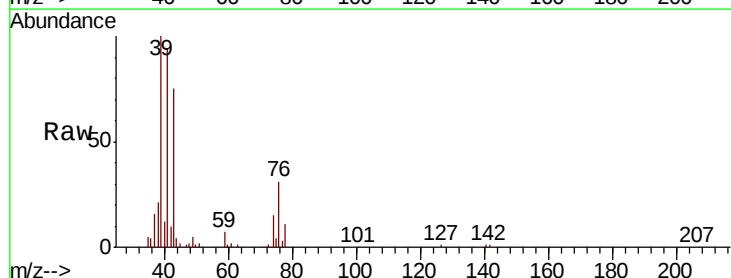
Acq: 30 Jul 2019 10:09

Tgt Ion: 43 Resp: 203816

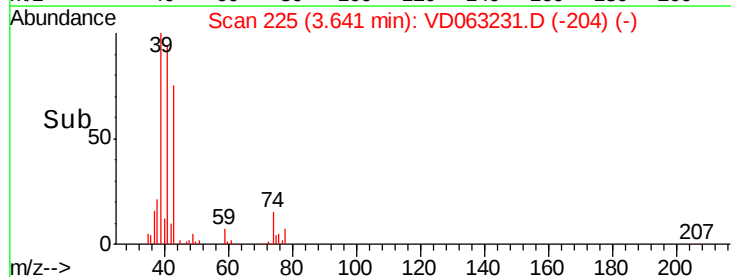
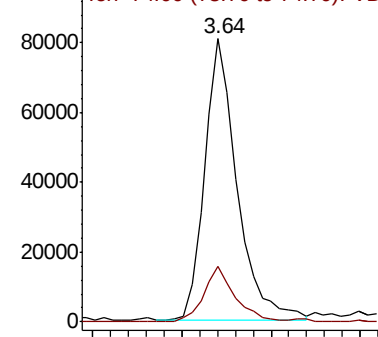
Ion Ratio Lower Upper

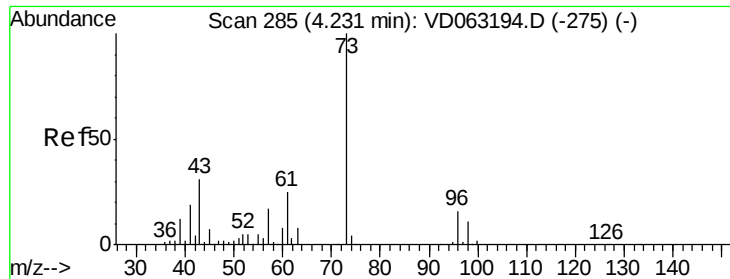
43 100

74 19.4 13.8 20.8



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

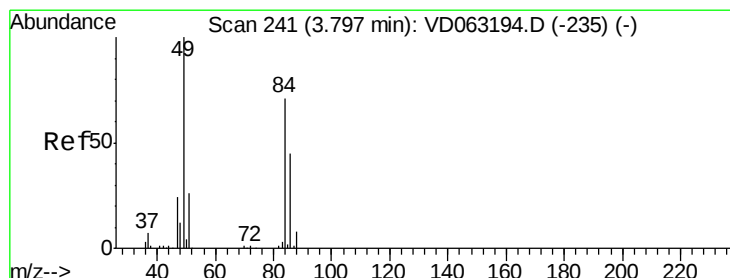
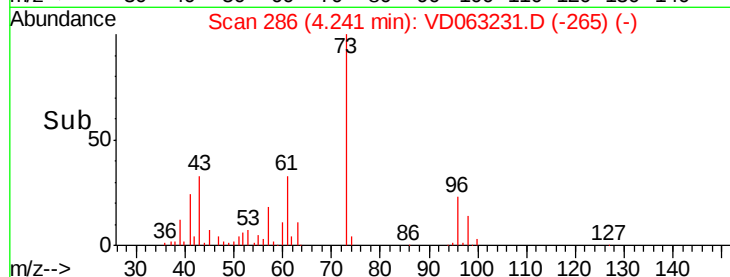
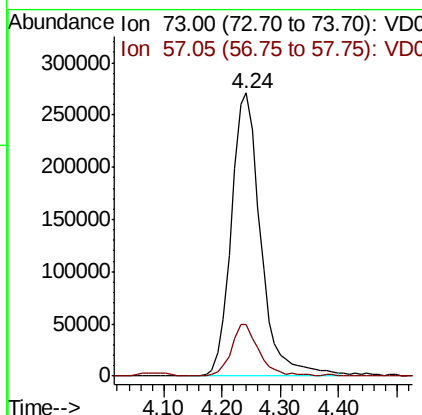
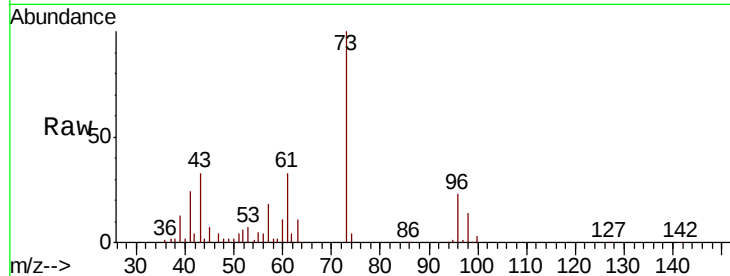




#19  
Methvl tert-butvl Ether  
Concen: 51.637 ug/l  
RT: 4.24 min Scan# 286  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

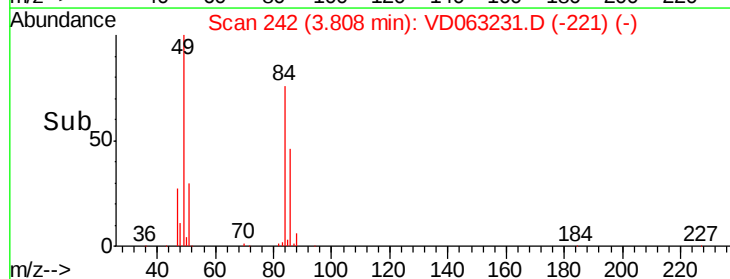
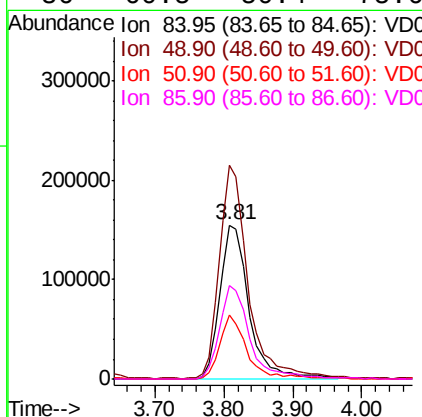
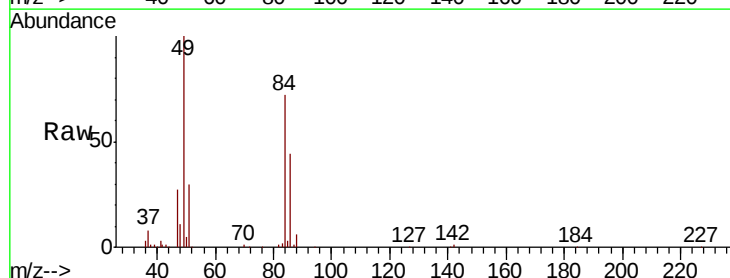
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

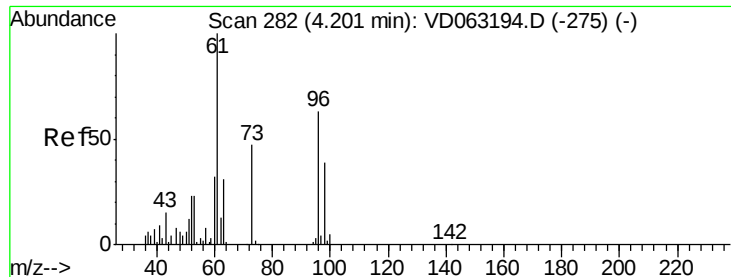
Tot Ion: 73 Resp: 950568  
Ion Ratio Lower Upper  
73 100  
57 18.5 13.8 20.6



#20  
Methylene Chloride  
Concen: 49.739 ug/l  
RT: 3.81 min Scan# 242  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 84 Resp: 456693  
Ion Ratio Lower Upper  
84 100  
49 138.9 112.5 168.7  
51 41.4 29.6 44.4  
86 60.5 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 52.679 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

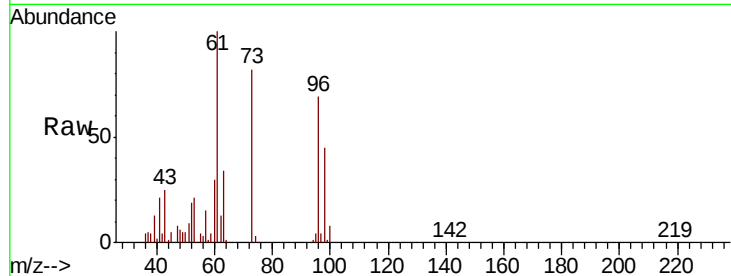
Tot Ion: 96 Resp: 481699

Ion Ratio Lower Upper

96 100

61 143.9 127.4 191.2

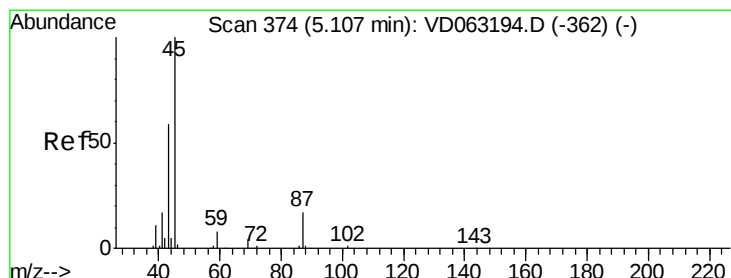
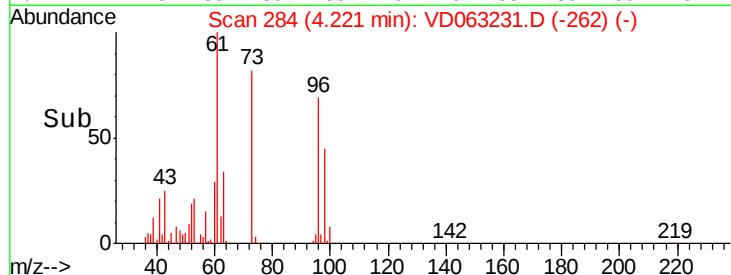
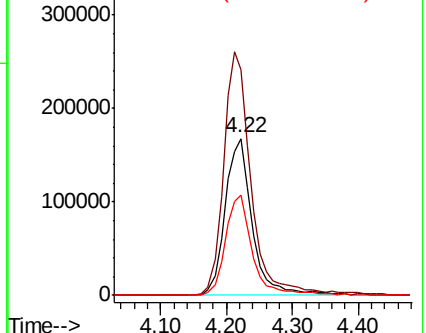
98 64.1 49.3 73.9



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: 52.077 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.02 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Tgt Ion: 45 Resp: 1350761

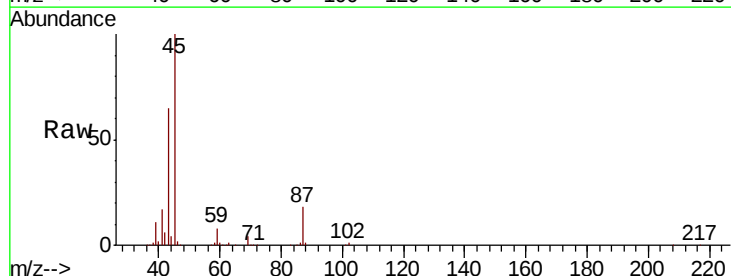
Ion Ratio Lower Upper

45 100

43 64.6 51.7 77.5

87 17.6 14.6 21.8

59 8.5 6.6 10.0

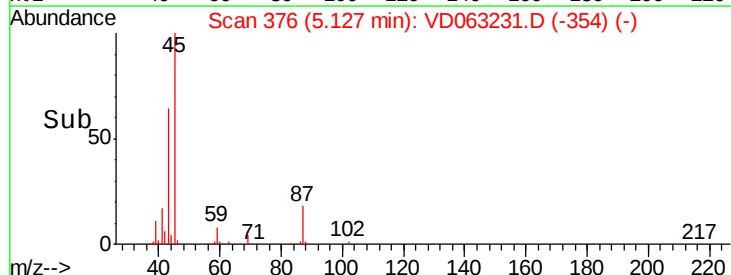
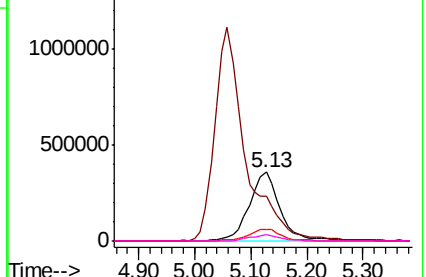


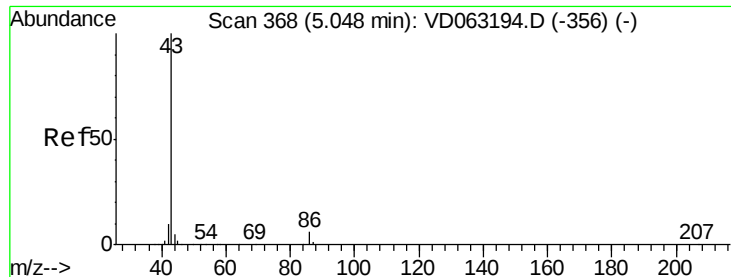
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 264.969 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

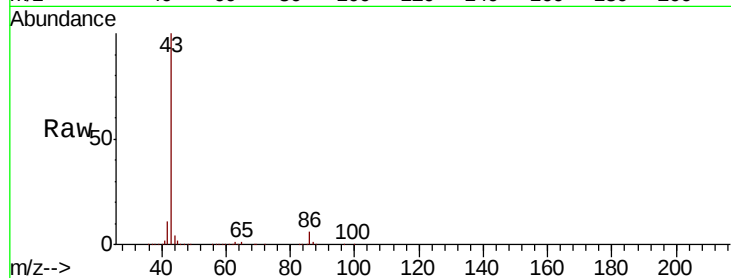
VSTDCCC050

Tot Ion: 43 Resp: 4224636

Ion Ratio Lower Upper

43 100

86 6.0 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1200000

1000000

800000

600000

400000

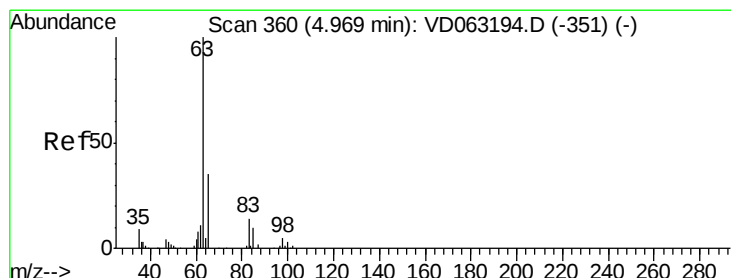
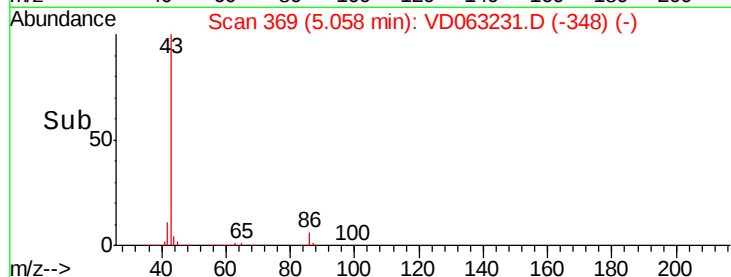
200000

0

Time-->

4.90 5.00 5.10 5.20 5.30

5.06



#24

1,1-Dichloroethane

Concen: 50.375 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

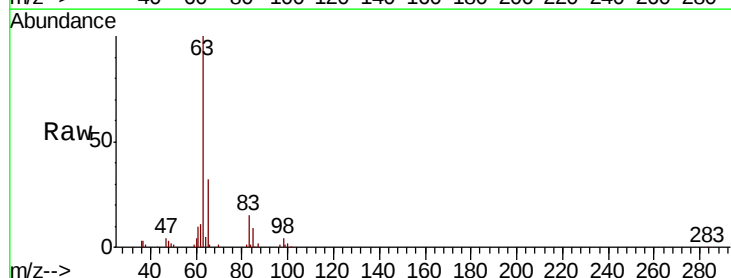
Tgt Ion: 63 Resp: 834600

Ion Ratio Lower Upper

63 100

98 4.1 2.8 8.4

100 2.0 1.3 3.9



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

300000

250000

200000

150000

100000

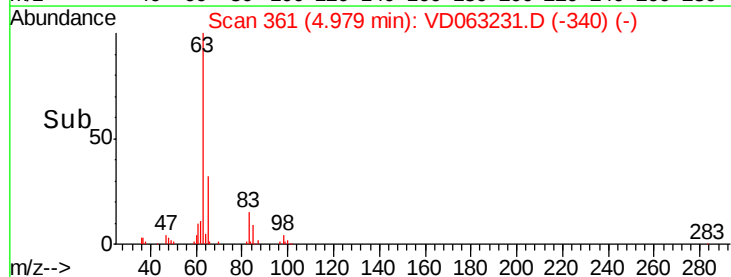
50000

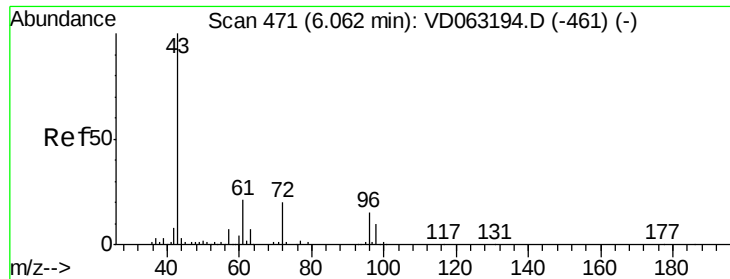
0

Time-->

4.80 4.90 5.00 5.10 5.20

4.98





#25

2-Butanone

Concen: 272.114 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

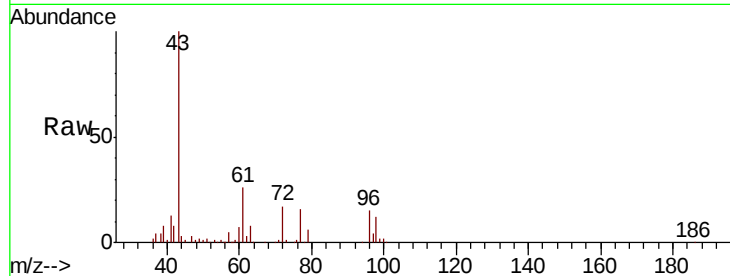
VSTDCCC050

Tot Ion: 43 Resp: 620325

Ion Ratio Lower Upper

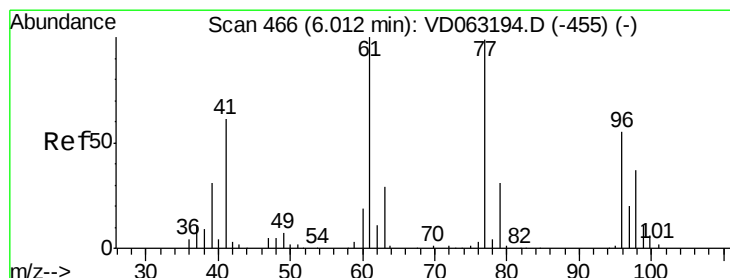
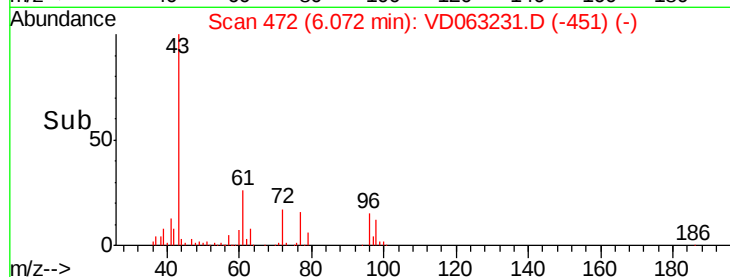
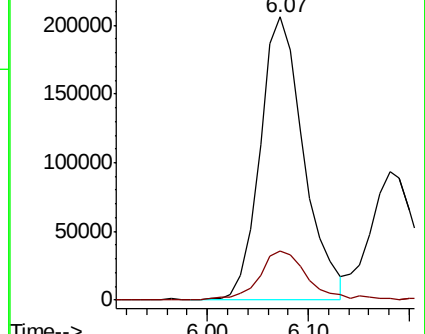
43 100

72 17.4 16.3 24.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.827 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD063231.D

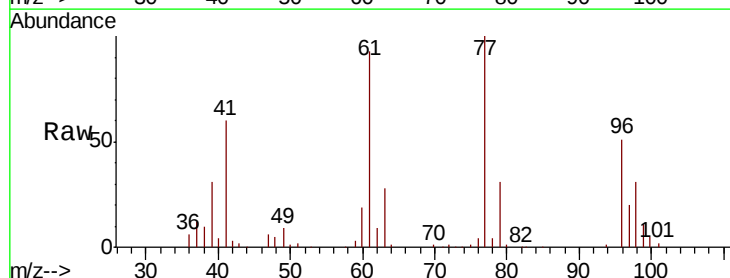
Acq: 30 Jul 2019 10:09

Tgt Ion: 77 Resp: 936104

Ion Ratio Lower Upper

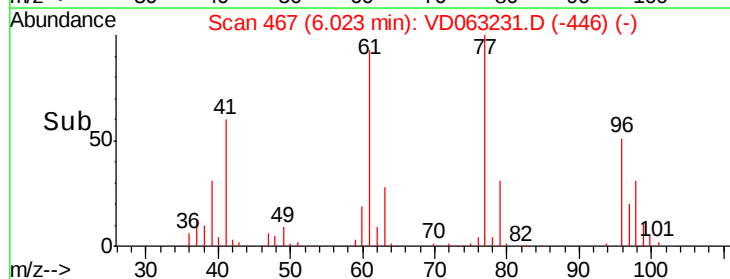
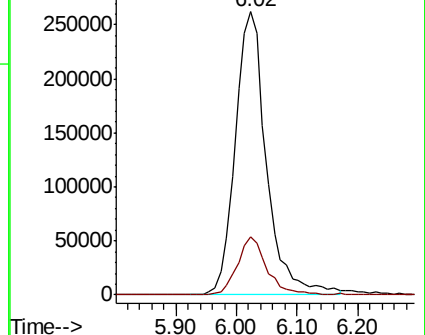
77 100

97 20.4 10.2 30.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



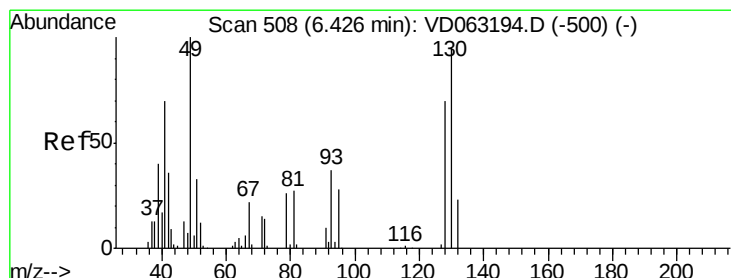
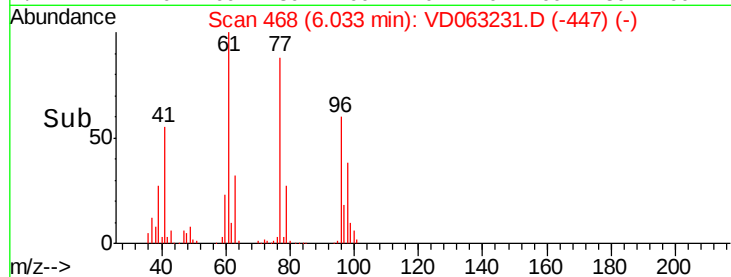
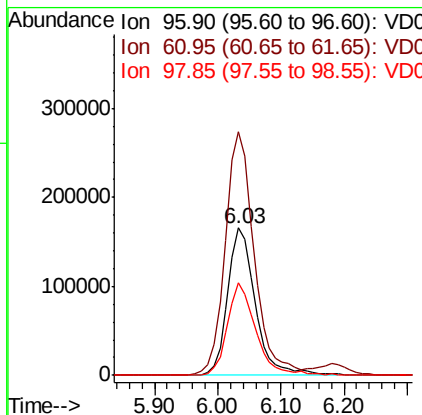
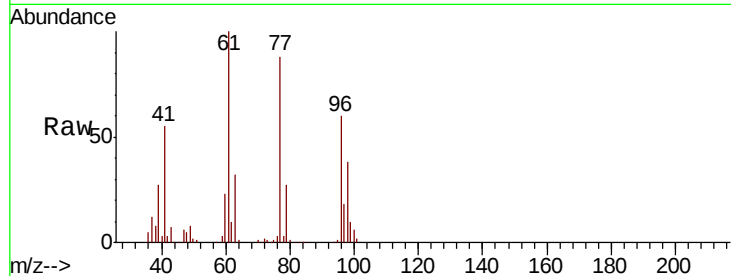


#27

cis-1,2-Dichloroethene  
 Concen: 51.428 ug/l  
 RT: 6.03 min Scan# 468  
 Delta R.T. 0.01 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

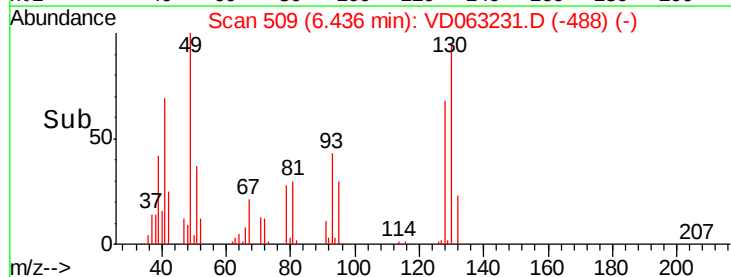
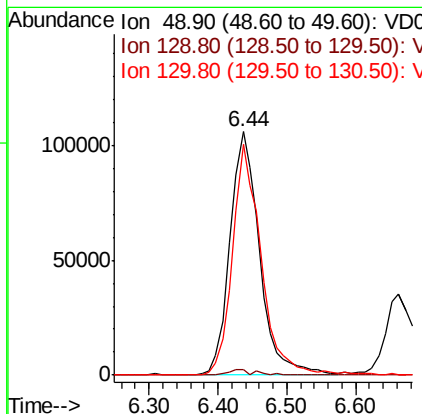
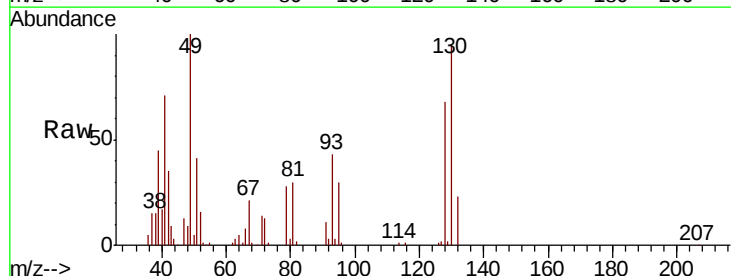
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 165.4 | 0.0   | 337.2 |
| 98      | 63.0  | 0.0   | 130.6 |

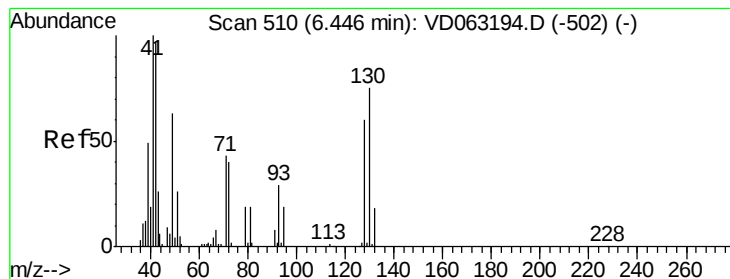


#28

Bromochloromethane  
 Concen: 47.856 ug/l  
 RT: 6.44 min Scan# 509  
 Delta R.T. 0.01 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 0.0#  |
| 130     | 94.8  | 75.7  | 113.5 |





#29

Tetrahydrofuran

Concen: 235.421 ug/l

RT: 6.46 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

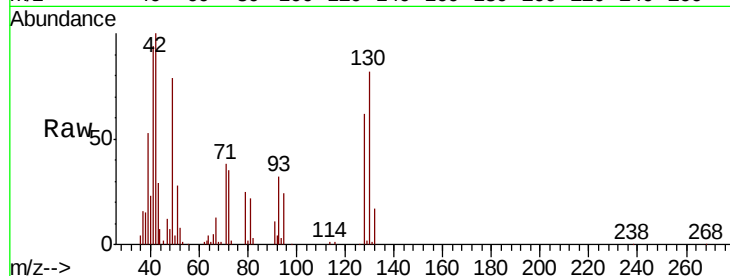
Tot Ion: 42 Resp: 254089

Ion Ratio Lower Upper

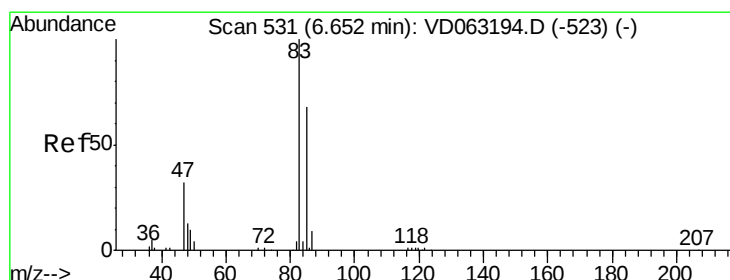
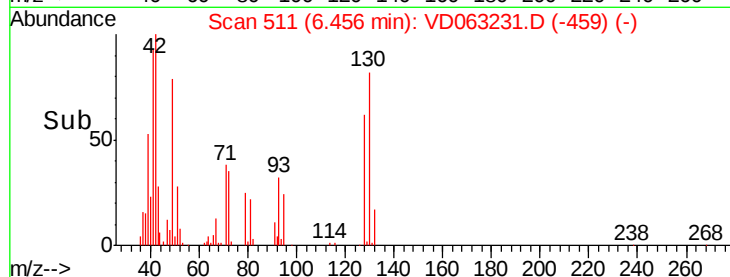
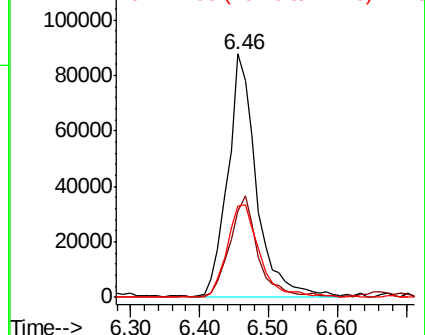
42 100

72 40.9 33.4 50.2

71 42.9 35.7 53.5



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: 50.329 ug/l

RT: 6.66 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD063231.D

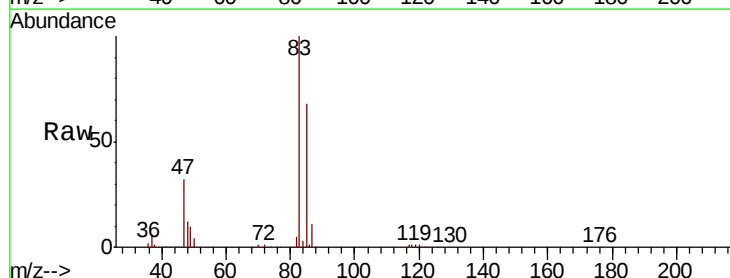
Acq: 30 Jul 2019 10:09

Tgt Ion: 83 Resp: 1034793

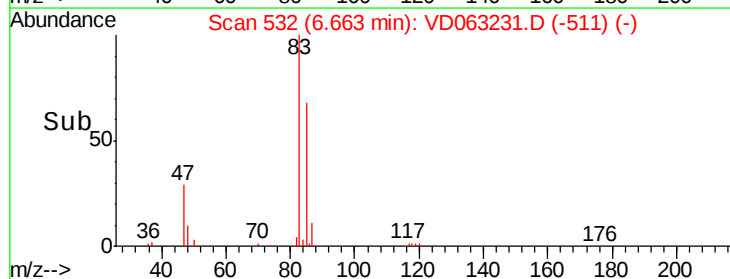
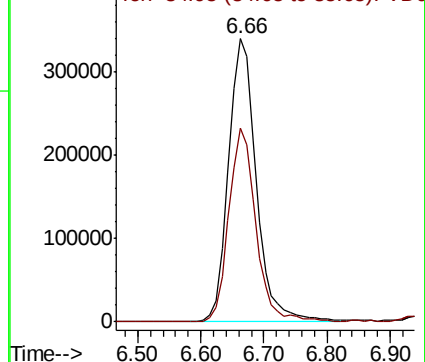
Ion Ratio Lower Upper

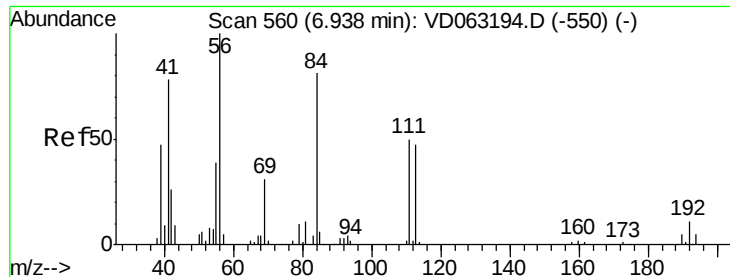
83 100

85 68.5 54.2 81.4



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





#31

Cyclohexane

Concen: 53.132 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

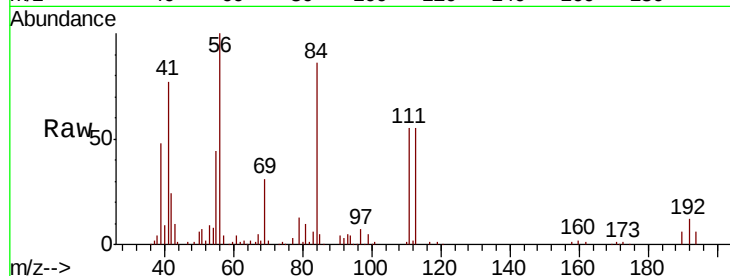
Tot Ion: 56 Resp: 551763

Ion Ratio Lower Upper

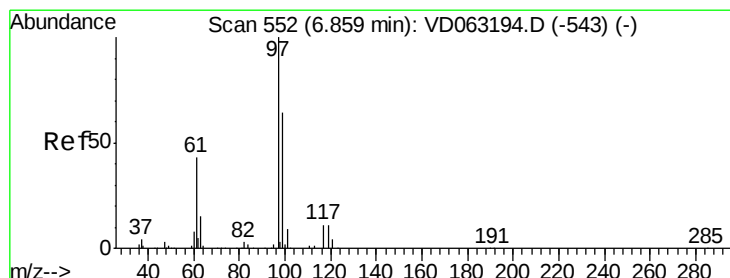
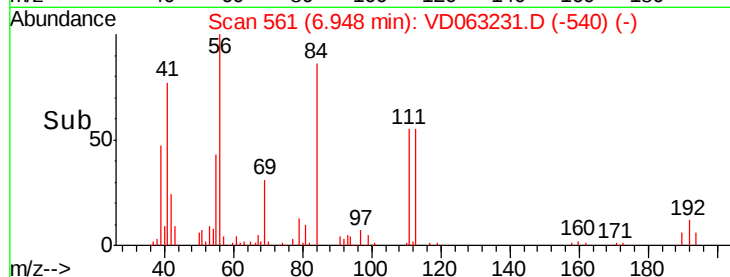
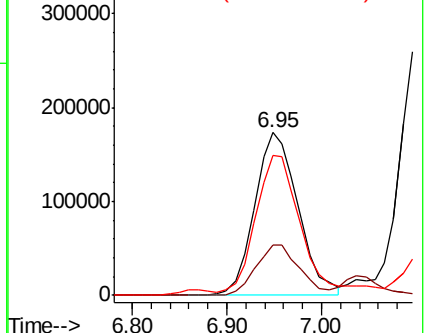
56 100

69 30.8 24.5 36.7

84 86.1 64.9 97.3



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



#32

1,1,1-Trichloroethane

Concen: 53.889 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

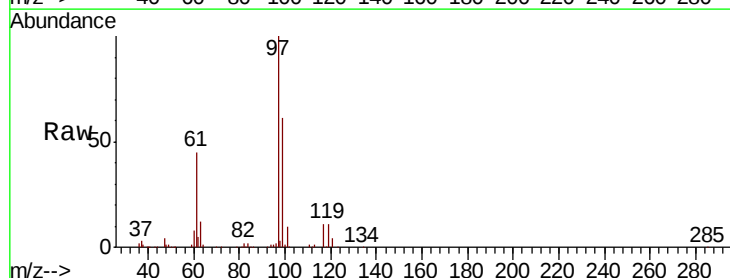
Tgt Ion: 97 Resp: 1071733

Ion Ratio Lower Upper

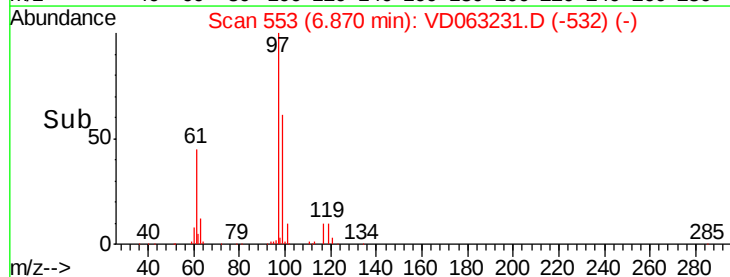
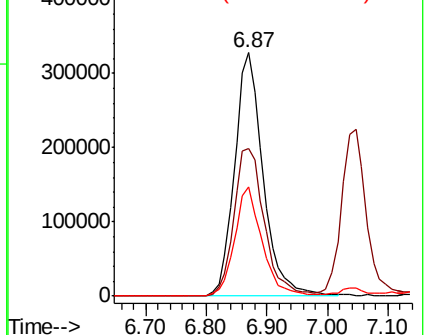
97 100

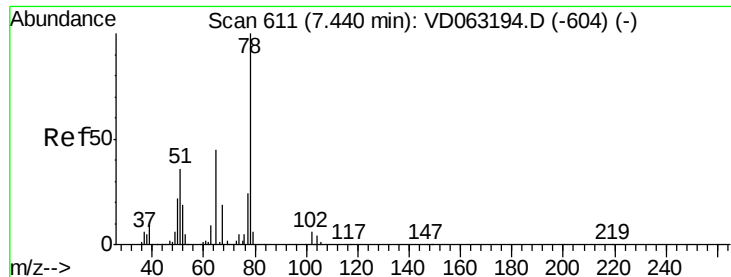
99 60.5 51.2 76.8

61 44.9 34.2 51.2



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: 53.739 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

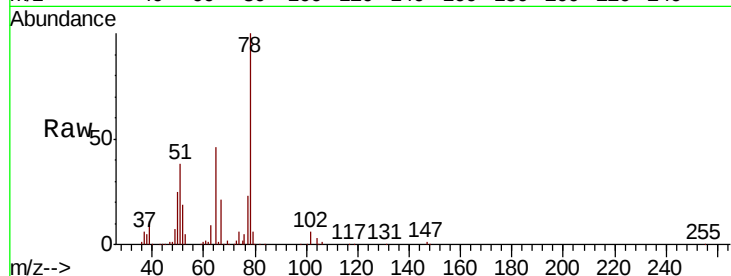
VSTDCCC050

Tot Ion: 65 Resp: 626506

Ion Ratio Lower Upper

65 100

67 44.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

250000

200000

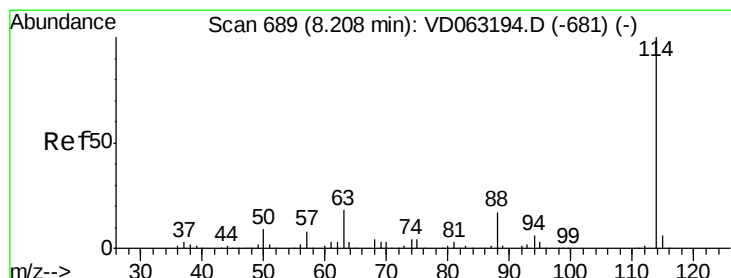
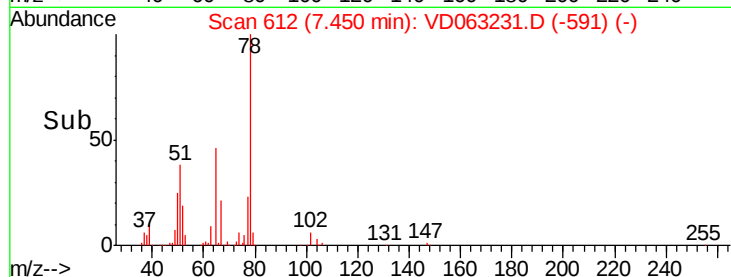
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

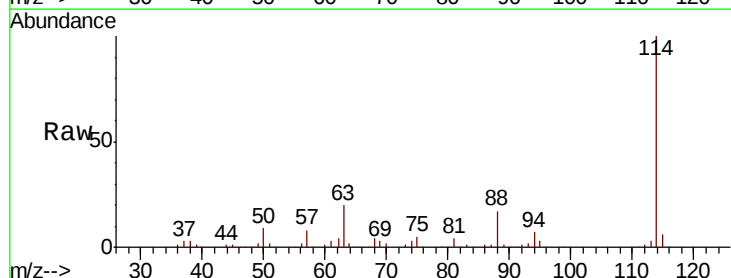
Tgt Ion: 114 Resp: 1430464

Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.2

88 16.5 0.0 34.6



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

8.22

800000

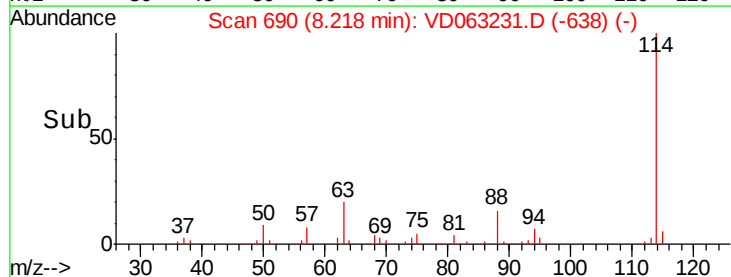
600000

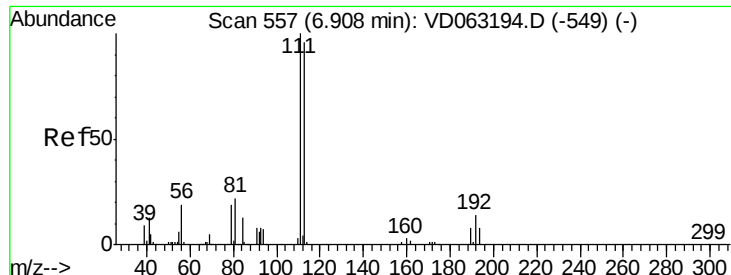
400000

200000

0

Time-->

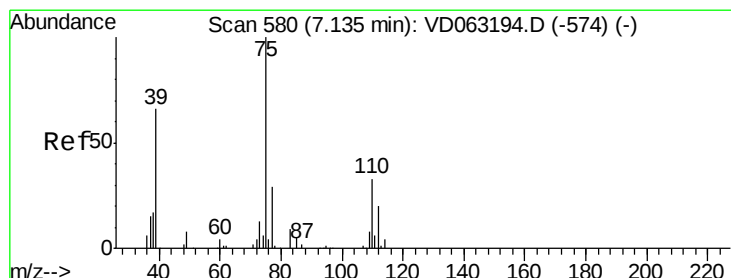
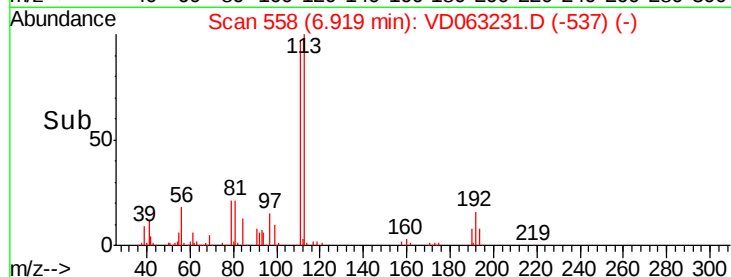
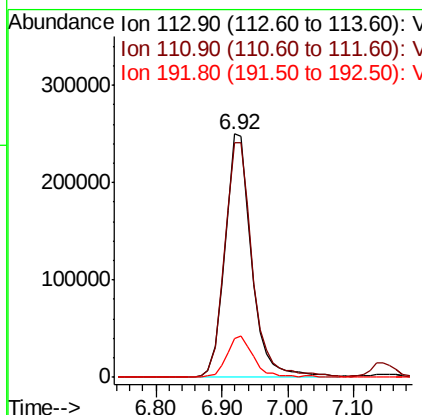
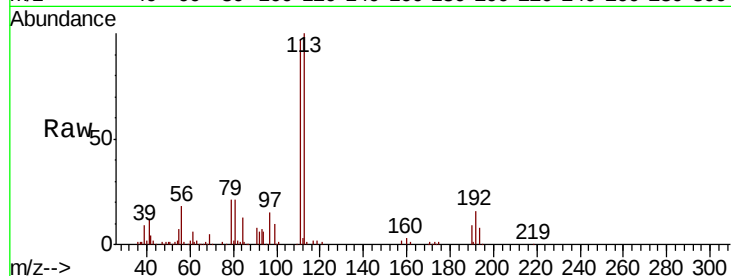




#35  
 Dibromofluoromethane  
 Concen: 57.818 ug/l  
 RT: 6.92 min Scan# 558  
 Delta R.T. 0.01 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

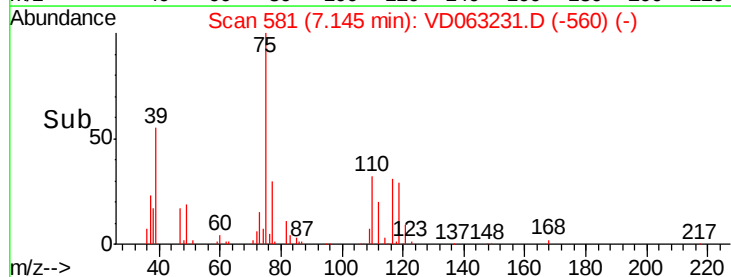
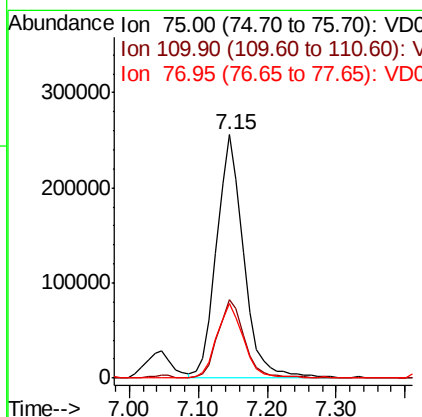
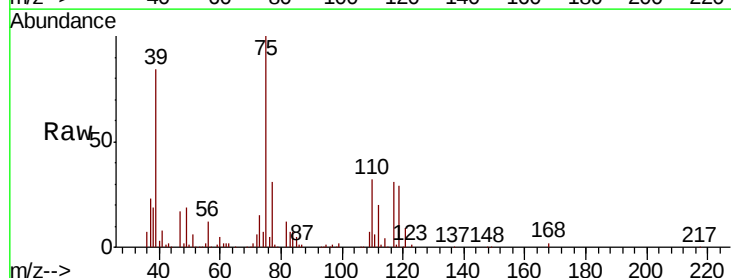
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

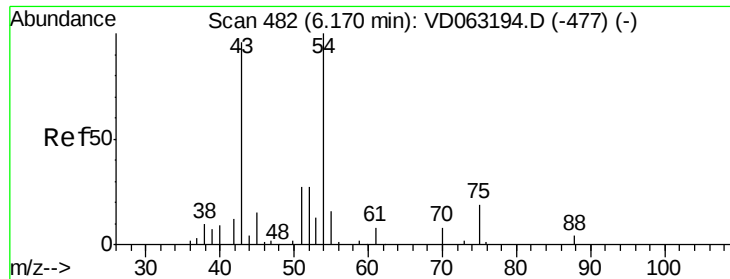
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 96.6  | 83.2  | 124.8 |
| 192     | 15.8  | 11.8  | 17.8  |



#36  
 1,1-Dichloropropene  
 Concen: 53.362 ug/l  
 RT: 7.15 min Scan# 581  
 Delta R.T. 0.01 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 32.2  | 16.1  | 48.2  |
| 77      | 30.8  | 22.7  | 34.1  |

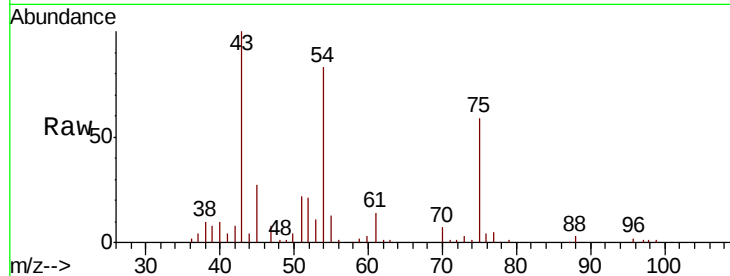




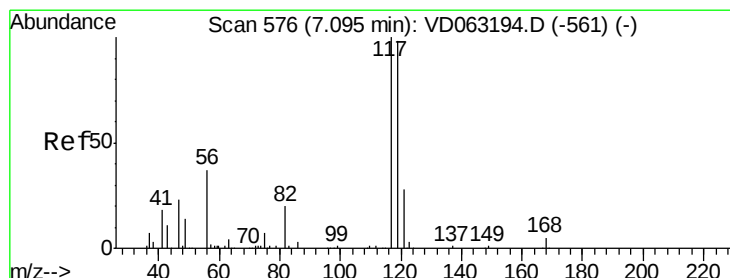
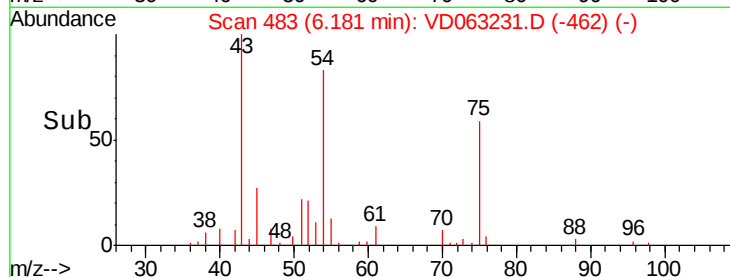
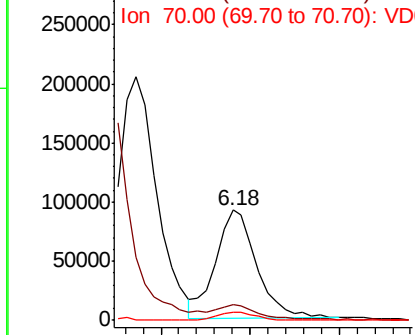
#37  
Ethyl Acetate  
Concen: 50.556 ug/l  
RT: 6.18 min Scan# 483  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion: 43 Resp: 296511  
Ion Ratio Lower Upper  
43 100  
61 13.8 11.3 16.9  
70 7.0 5.1 7.7

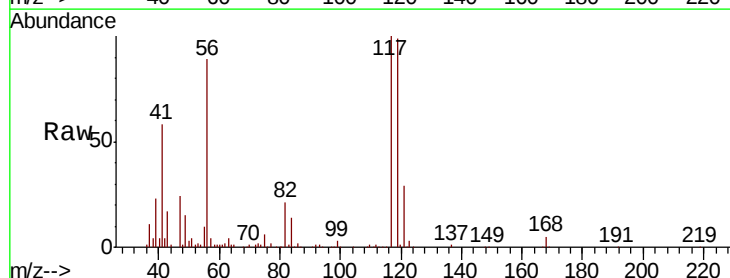


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

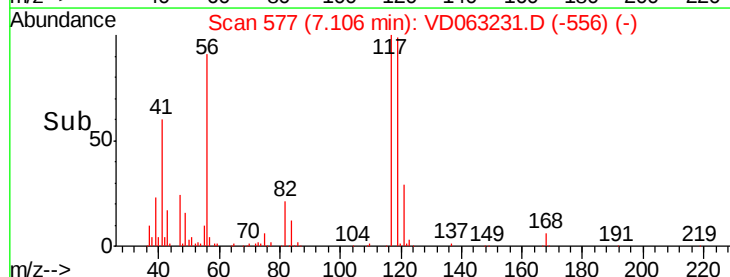
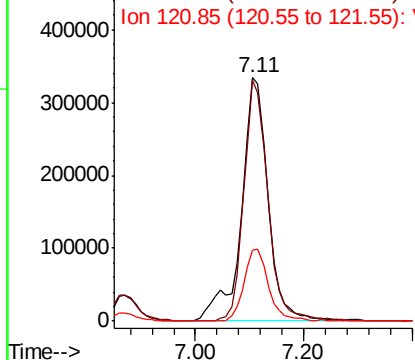


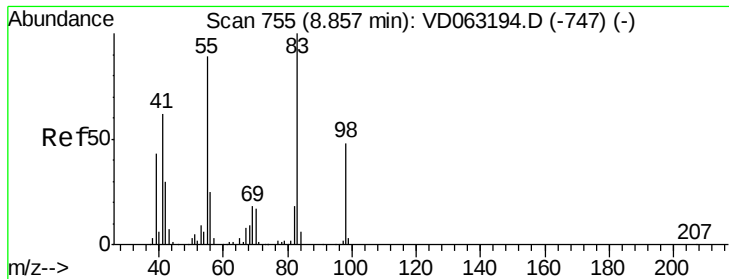
#38  
Carbon Tetrachloride  
Concen: 58.009 ug/l  
RT: 7.11 min Scan# 577  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 117 Resp: 1140086  
Ion Ratio Lower Upper  
117 100  
119 99.0 78.2 117.2  
121 29.1 22.1 33.1



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

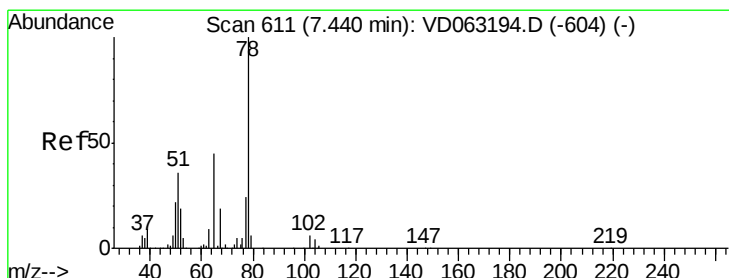
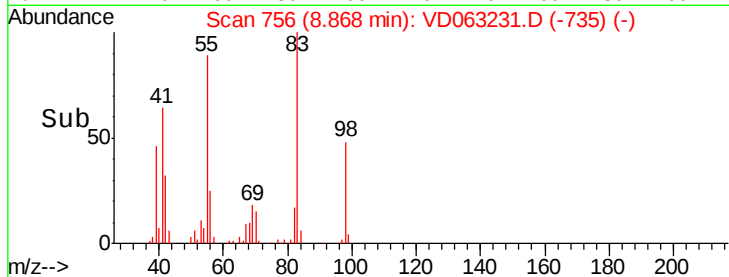
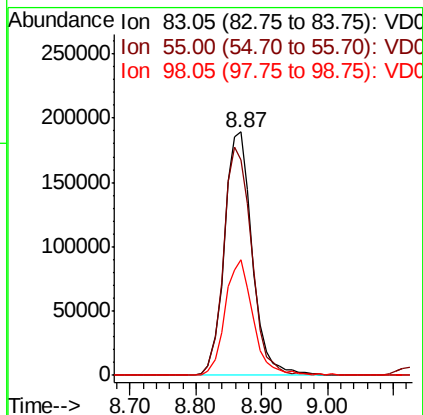
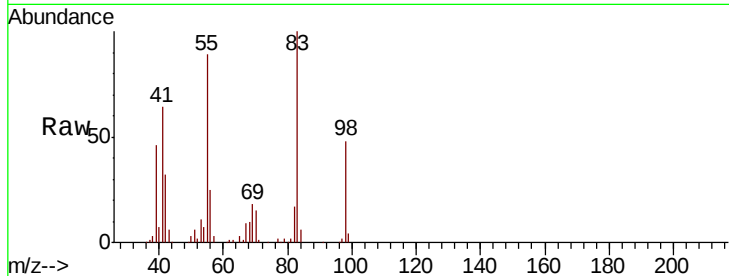




#39  
Methvlcvclohexane  
Concen: 51.488 ug/l  
RT: 8.87 min Scan# 756  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

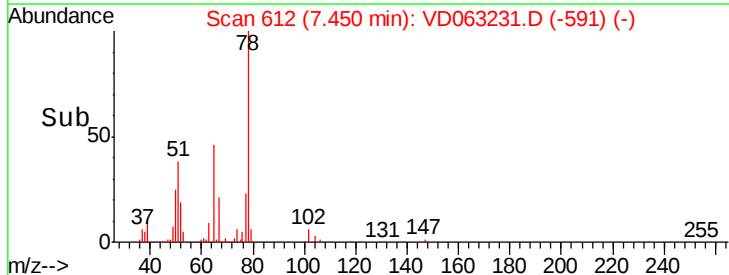
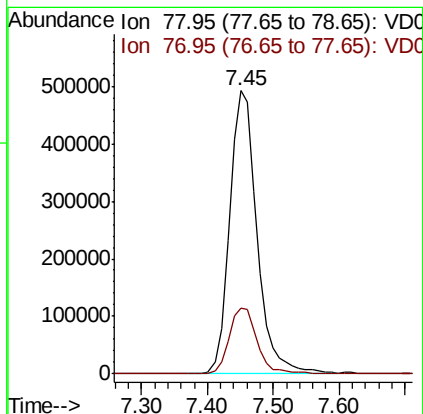
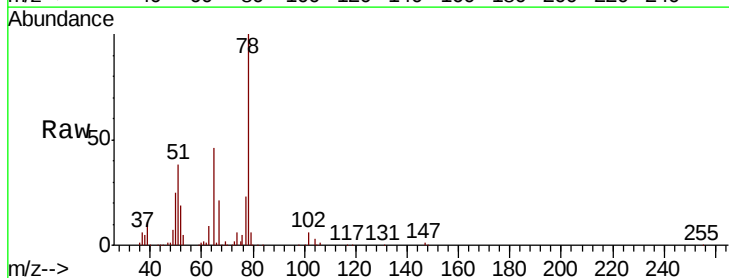
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

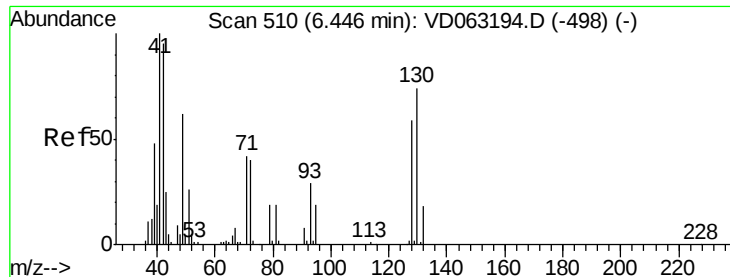
Tot Ion: 83 Resp: 560030  
Ion Ratio Lower Upper  
83 100  
55 88.6 71.1 106.7  
98 47.6 38.5 57.7



#40  
Benzene  
Concen: 52.387 ug/l  
RT: 7.45 min Scan# 612  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 78 Resp: 1433317  
Ion Ratio Lower Upper  
78 100  
77 23.1 19.4 29.2

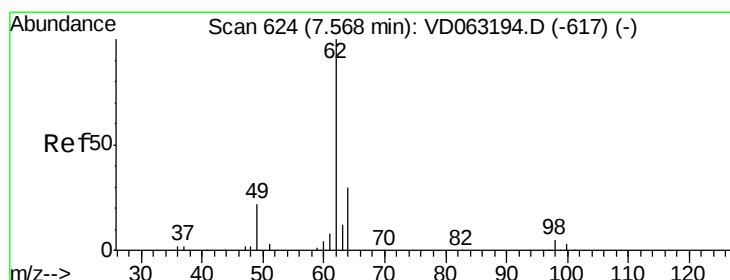
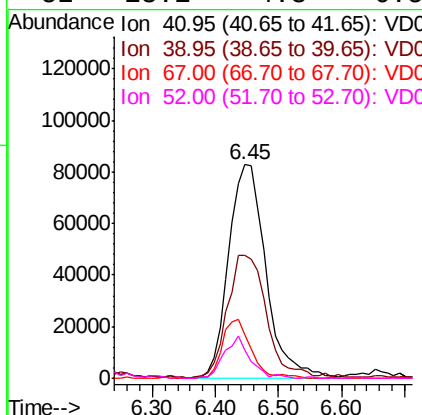
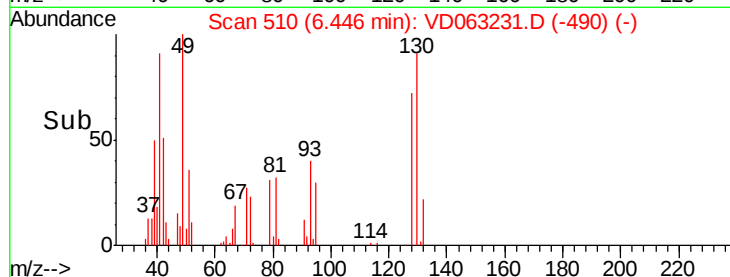
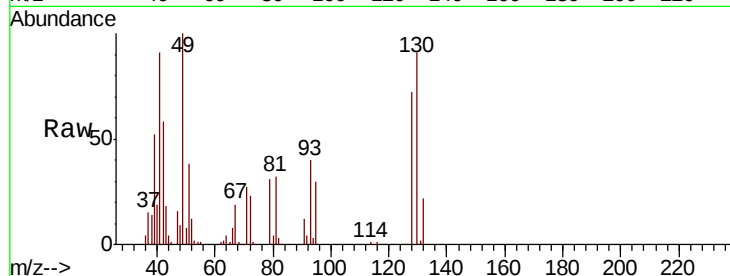




#41  
Methacrylonitrile  
Concen: 48.419 ug/l  
RT: 6.45 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

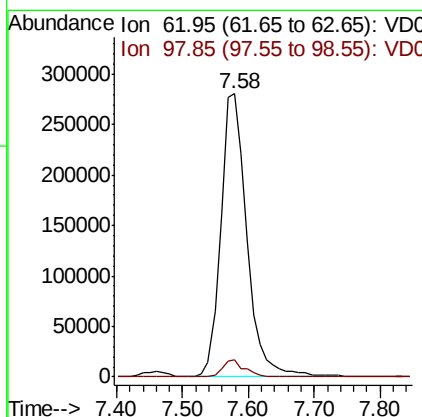
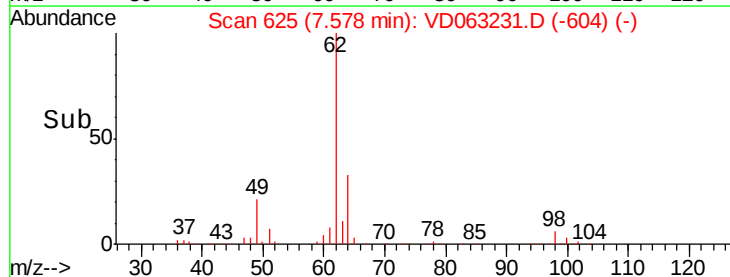
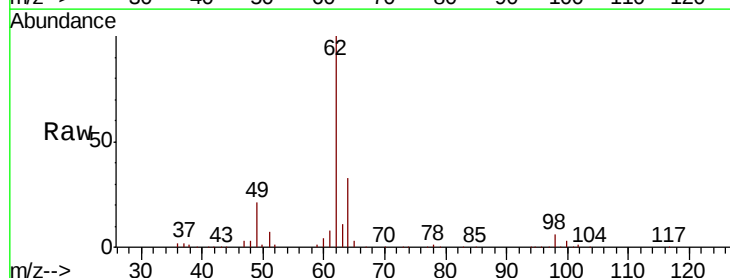
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

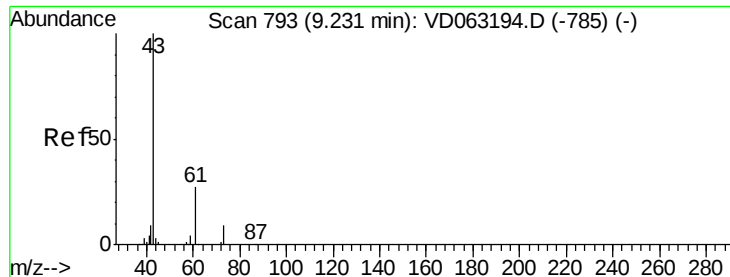
Tot Ion: 41 Resp: 339695  
Ion Ratio Lower Upper  
41 100  
39 57.4 38.4 57.6  
67 20.4 6.7 10.1#  
52 13.1 4.3 6.5#



#42  
1,2-Dichloroethane  
Concen: 53.154 ug/l  
RT: 7.58 min Scan# 625  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 62 Resp: 770760  
Ion Ratio Lower Upper  
62 100  
98 5.9 0.0 9.8





#43

Isopropyl Acetate

Concen: 52.334 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

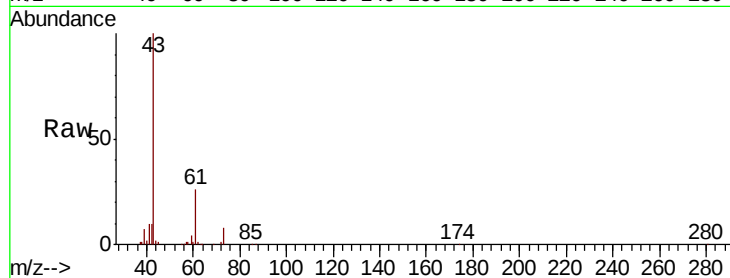
Tot Ion: 43 Resp: 392084

Ion Ratio Lower Upper

43 100

61 26.0 21.4 32.0

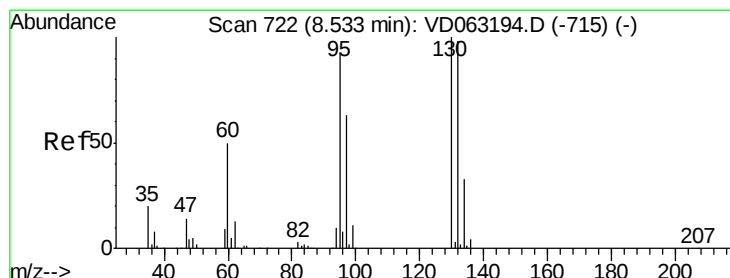
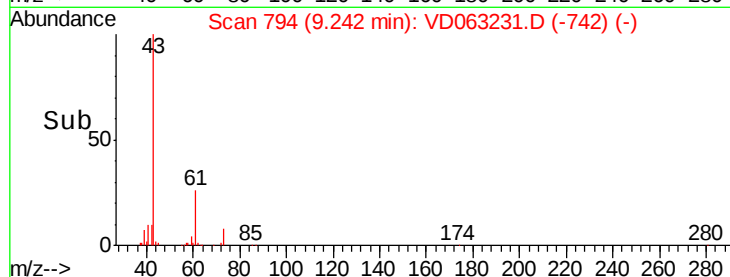
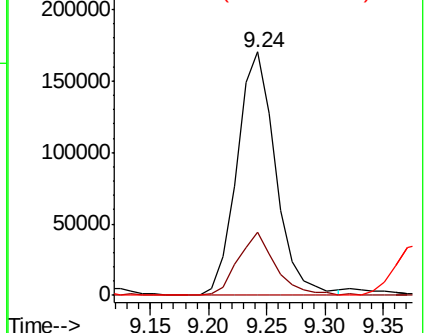
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.510 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD063231.D

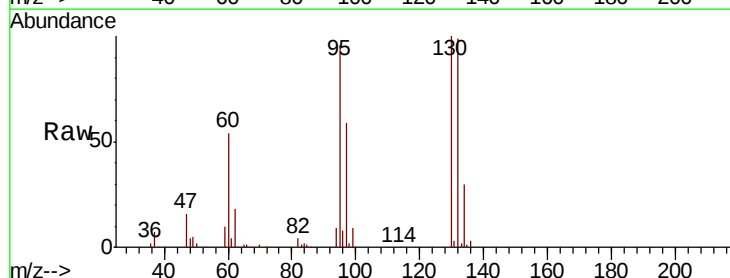
Acq: 30 Jul 2019 10:09

Tgt Ion: 130 Resp: 571074

Ion Ratio Lower Upper

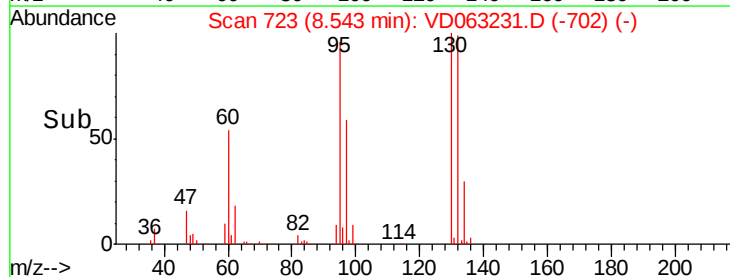
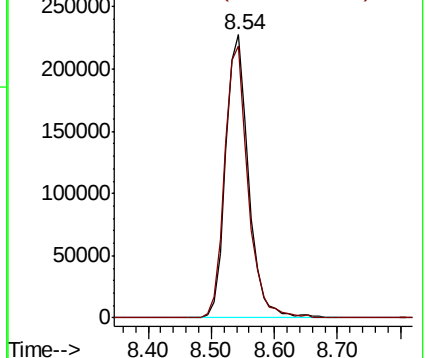
130 100

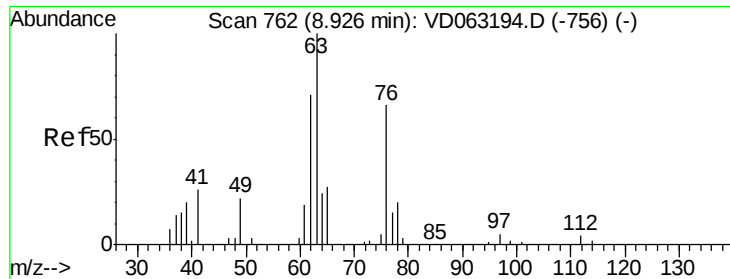
95 96.0 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.953 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

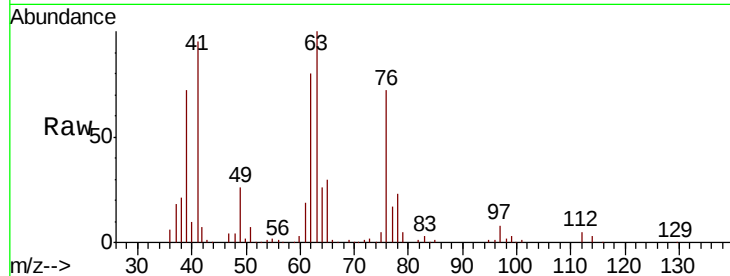
VSTDCCC050

Tot Ion: 63 Resp: 354345

Ion Ratio Lower Upper

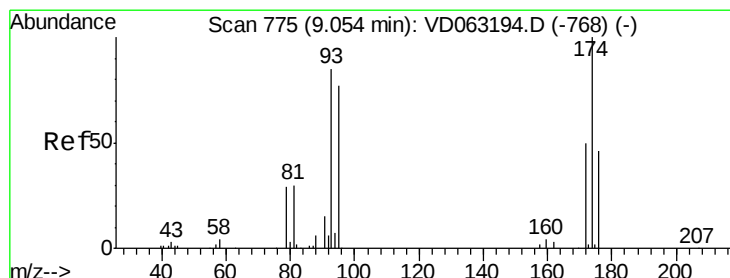
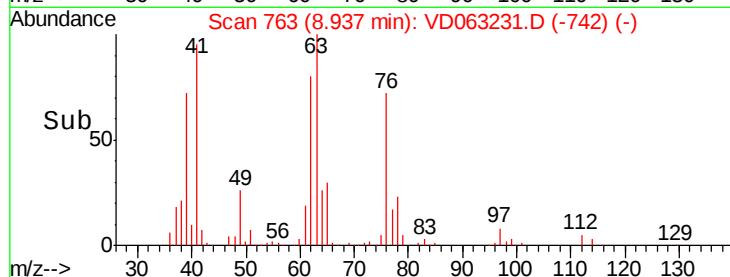
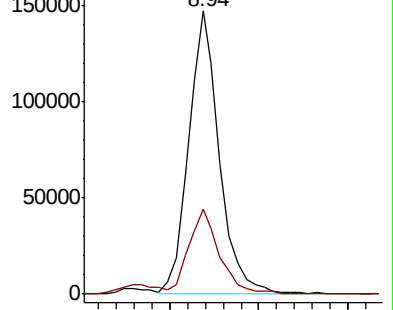
63 100

65 30.0 23.6 35.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 53.750 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

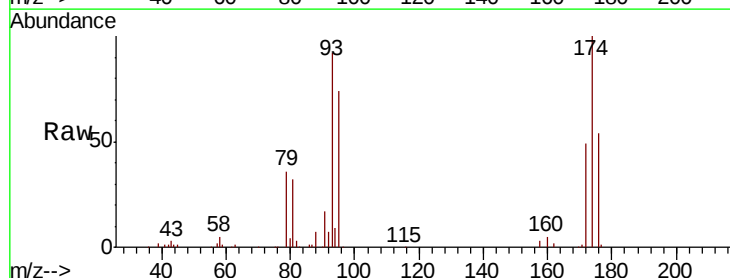
Tgt Ion: 93 Resp: 310804

Ion Ratio Lower Upper

93 100

95 80.7 72.8 109.2

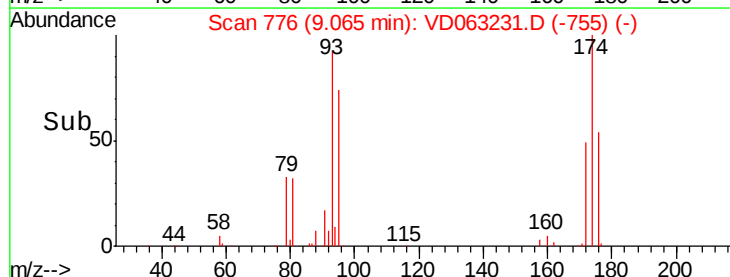
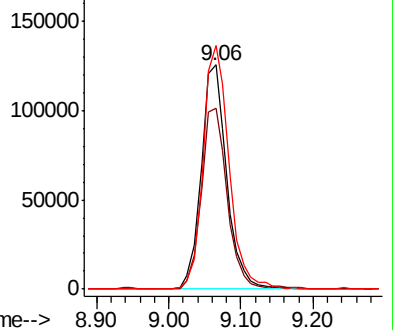
174 108.5 94.4 141.6

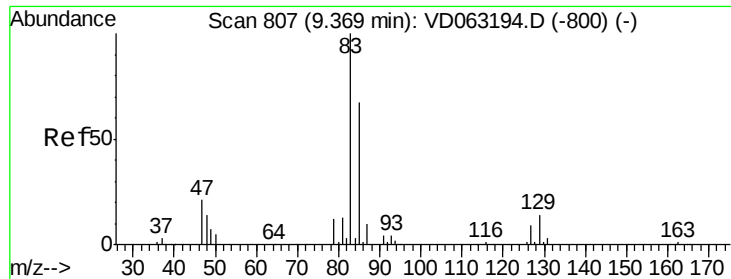


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 53.558 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

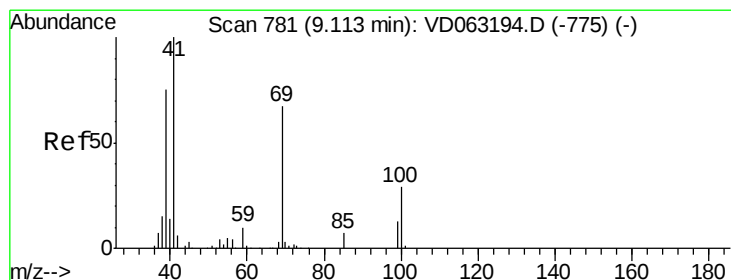
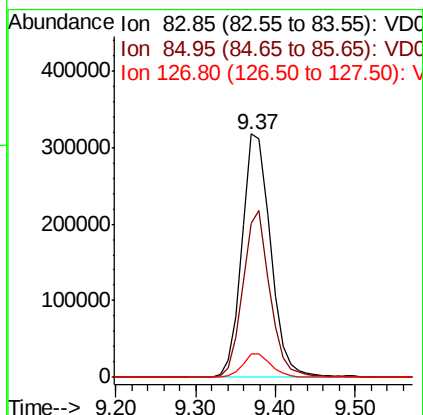
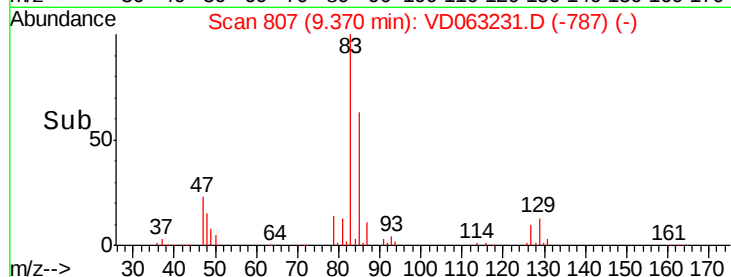
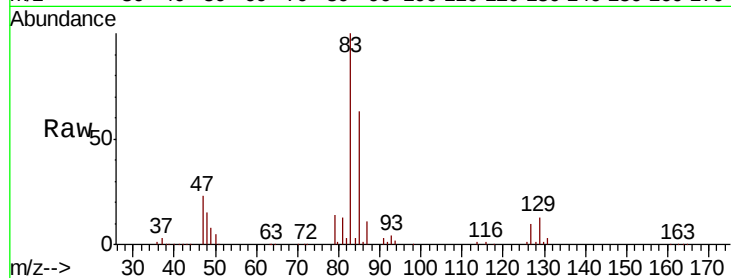
Tot Ion: 83 Resp: 789442

Ion Ratio Lower Upper

83 100

85 63.3 53.6 80.4

127 9.6 7.2 10.8



#48

Methyl methacrylate

Concen: 54.360 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

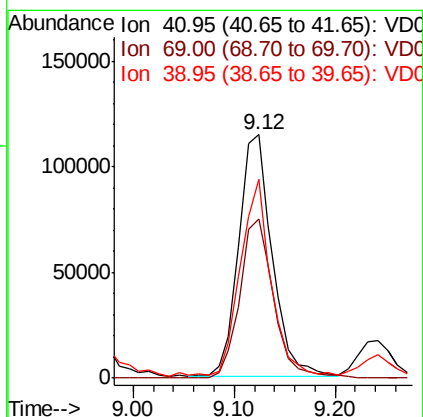
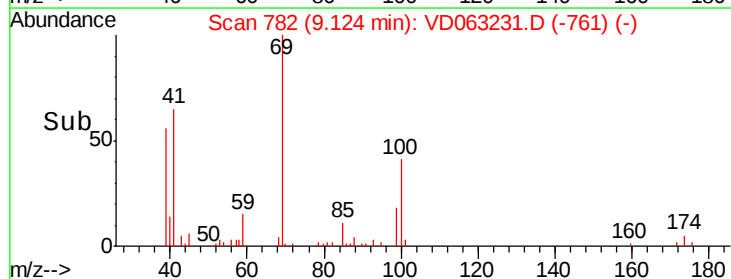
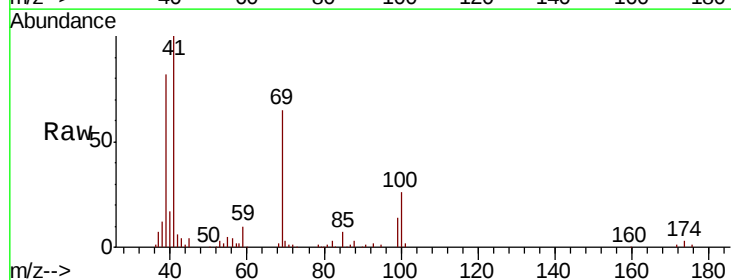
Tgt Ion: 41 Resp: 264131

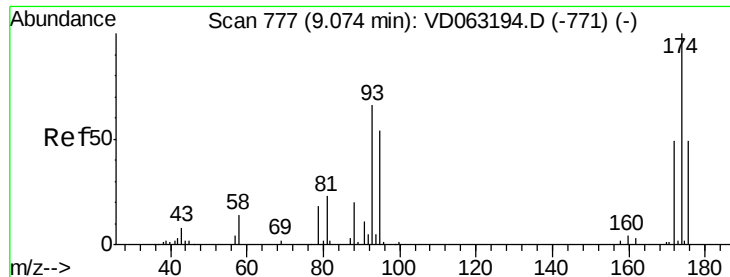
Ion Ratio Lower Upper

41 100

69 65.5 53.4 80.0

39 81.5 60.3 90.5

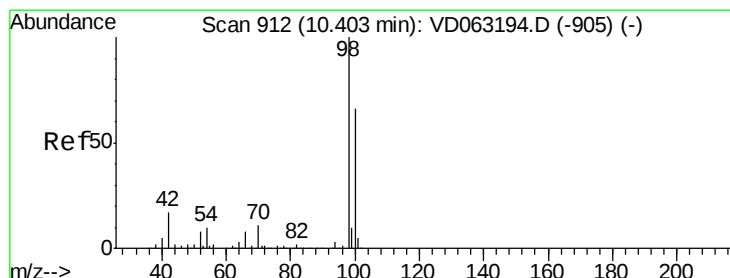
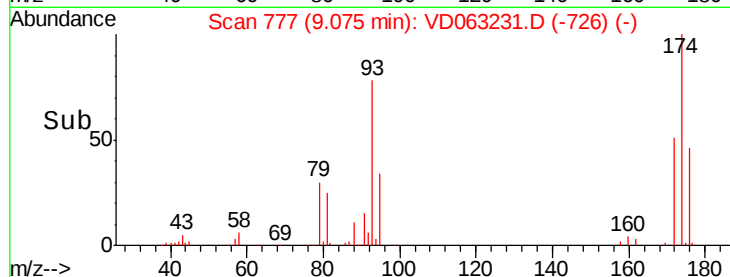
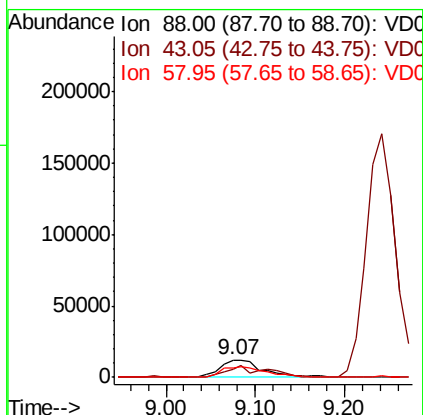
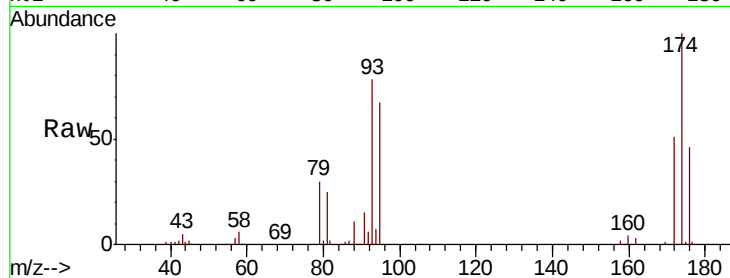




#49  
1,4-Dioxane  
Concen: 990.586 ug/l  
RT: 9.07 min Scan# 777  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

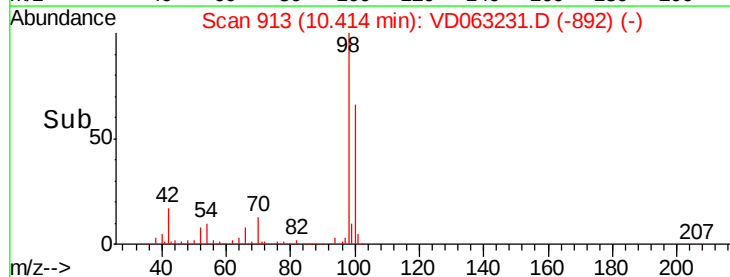
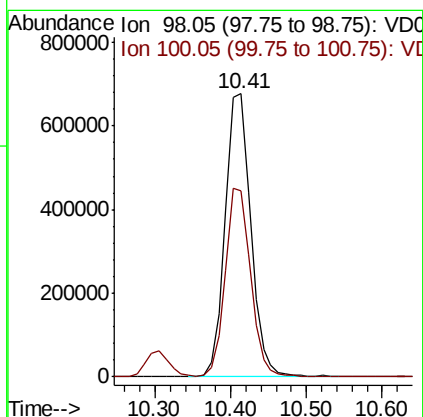
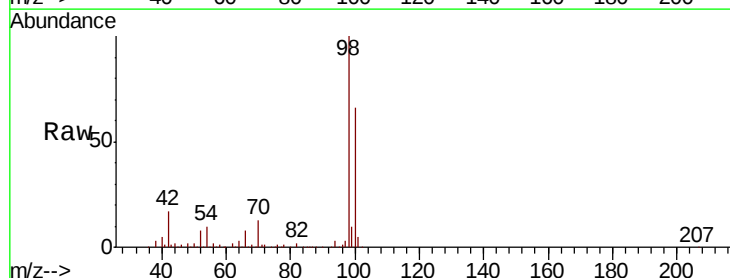
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

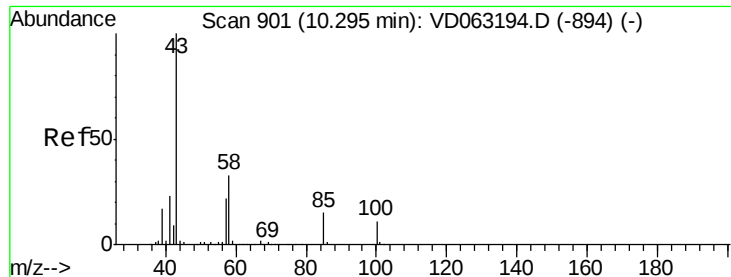
Tot Ion: 88 Resp: 40775  
Ion Ratio Lower Upper  
88 100  
43 48.9 30.7 46.1#  
58 55.1 56.5 84.7#



#50  
Toluene-d8  
Concen: 58.217 ug/l  
RT: 10.41 min Scan# 913  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 98 Resp: 1591231  
Ion Ratio Lower Upper  
98 100  
100 65.7 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 252.791 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

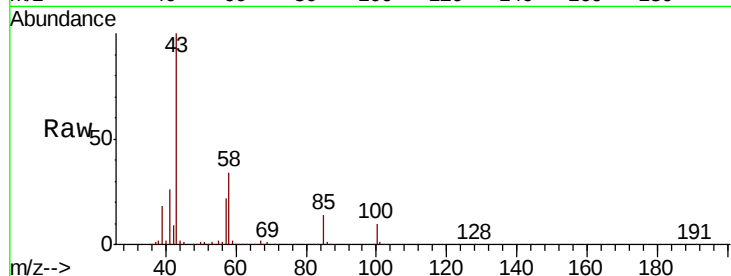
VSTDCCC050

Tot Ion: 43 Resp: 1288003

Ion Ratio Lower Upper

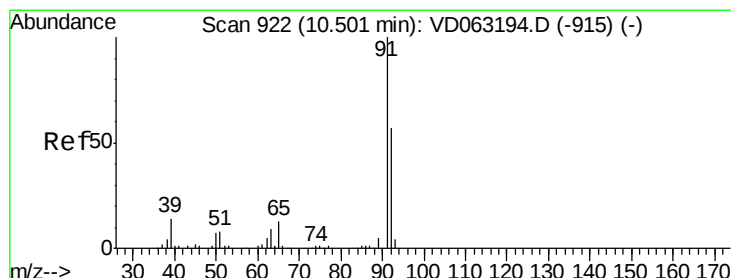
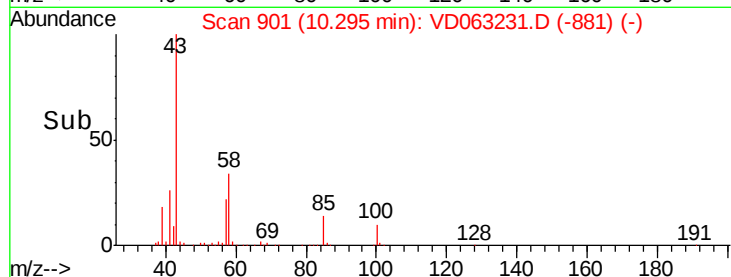
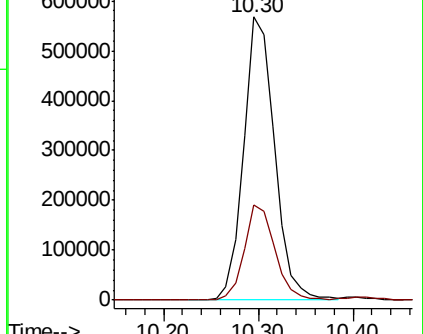
43 100

58 33.7 26.2 39.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.198 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD063231.D

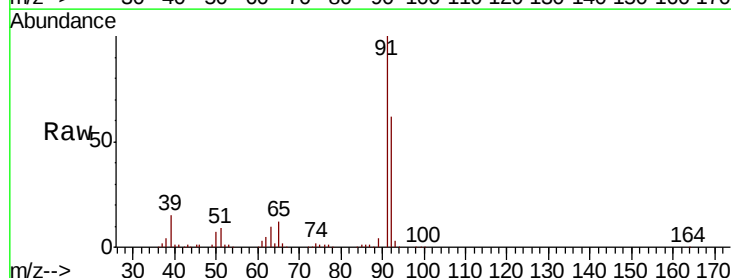
Acq: 30 Jul 2019 10:09

Tgt Ion: 92 Resp: 968068

Ion Ratio Lower Upper

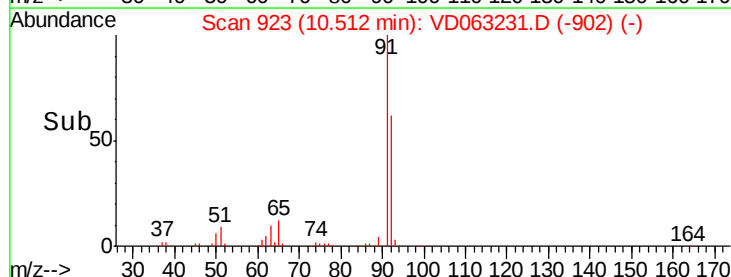
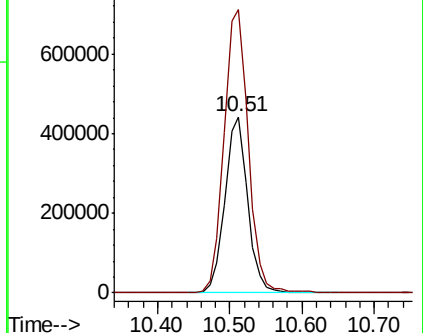
92 100

91 160.6 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

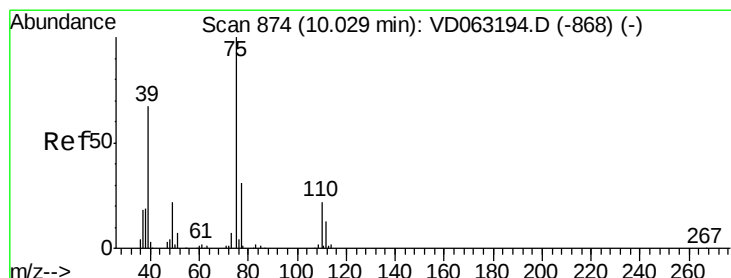
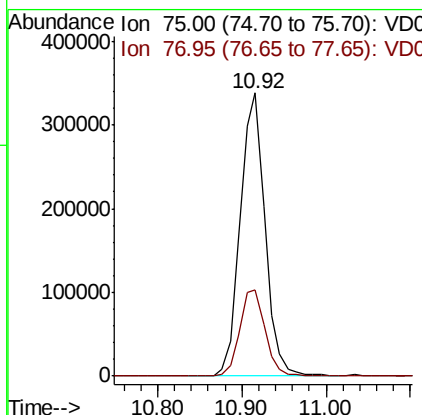
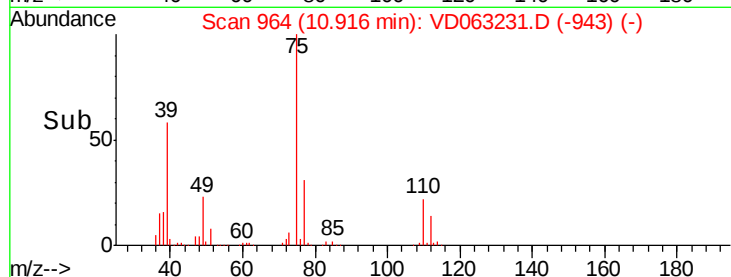
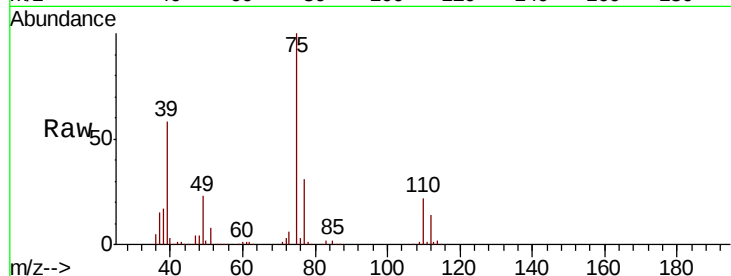




#53  
t-1,3-Dichloropropene  
Concen: 54.396 ug/l  
RT: 10.92 min Scan# 964  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

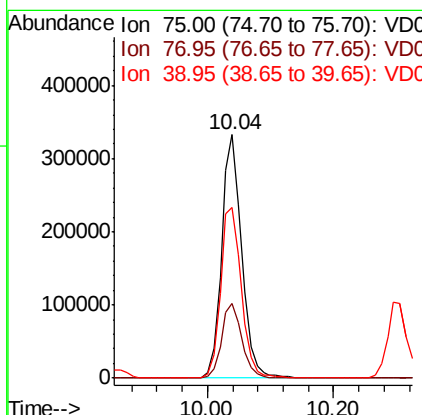
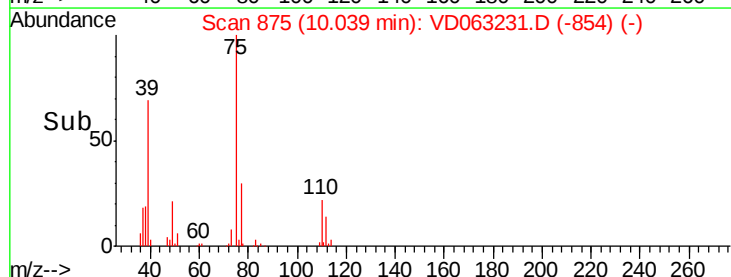
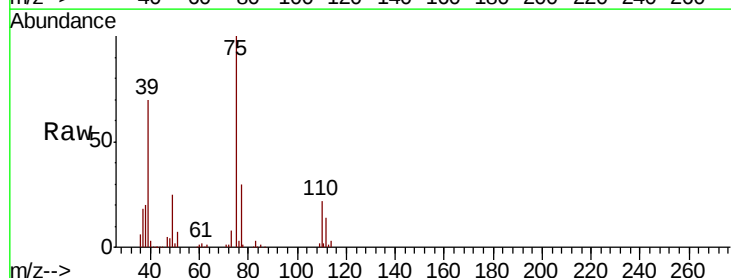
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

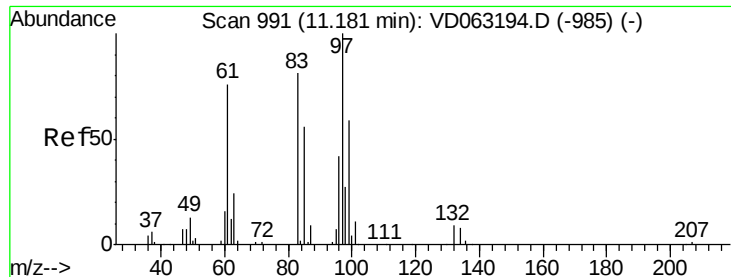
Tot Ion: 75 Resp: 691253  
Ion Ratio Lower Upper  
75 100  
77 30.6 26.6 40.0



#54  
cis-1,3-Dichloropropene  
Concen: 54.884 ug/l  
RT: 10.04 min Scan# 875  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 75 Resp: 733011  
Ion Ratio Lower Upper  
75 100  
77 30.5 24.9 37.3  
39 70.3 53.9 80.9





#55

1,1,2-Trichloroethane

Concen: 53.617 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 329527

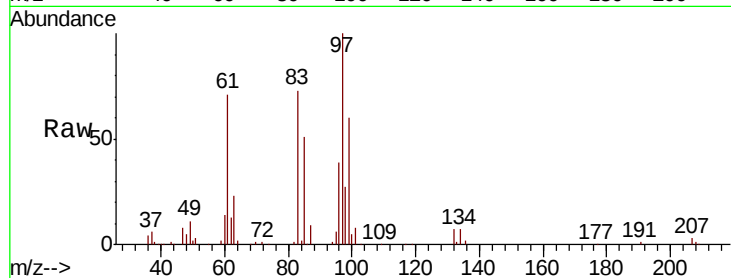
Ion Ratio Lower Upper

97 100

83 72.8 64.8 97.2

85 51.1 44.9 67.3

99 59.7 47.2 70.8

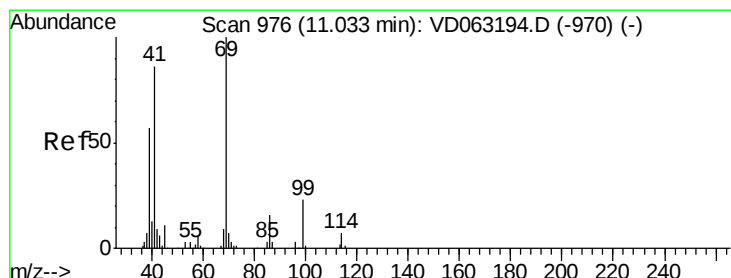
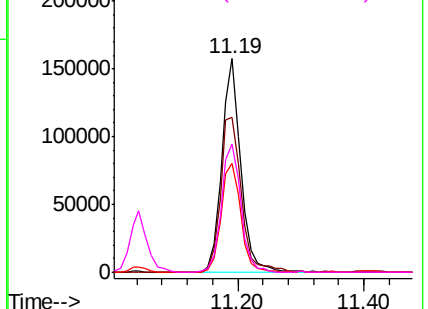
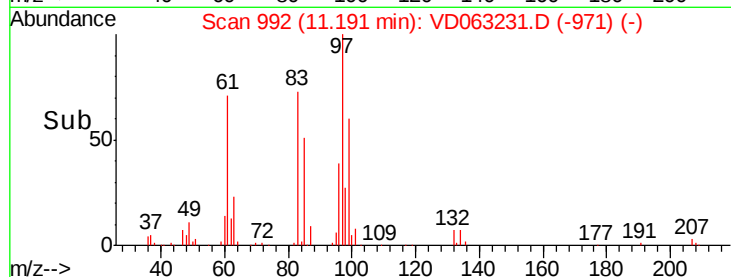


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 52.727 ug/l

RT: 11.04 min Scan# 977

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

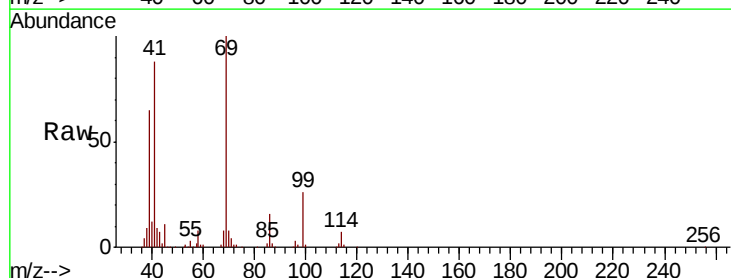
Tgt Ion: 69 Resp: 354851

Ion Ratio Lower Upper

69 100

41 87.7 68.8 103.2

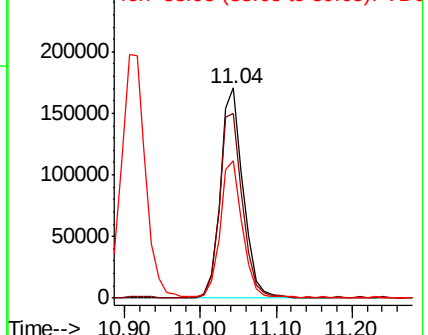
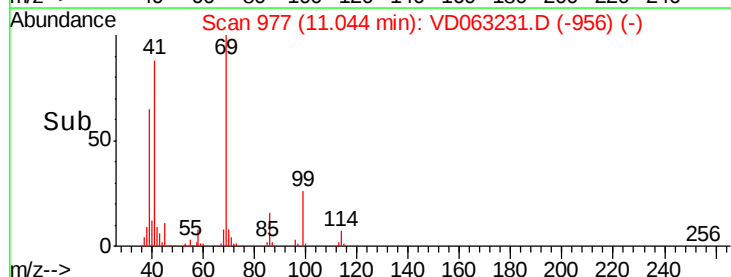
39 65.4 45.8 68.8

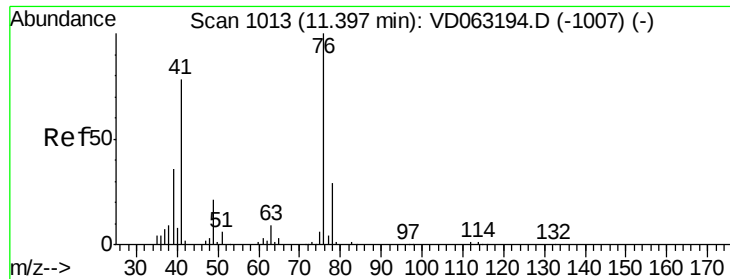


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 53.660 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

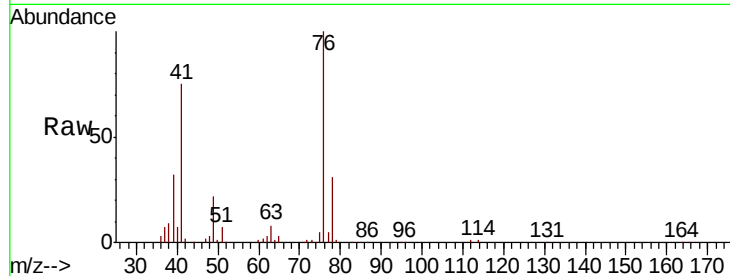
VSTDCCC050

Tot Ion: 76 Resp: 519613

Ion Ratio Lower Upper

76 100

78 31.3 23.4 35.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

250000

200000

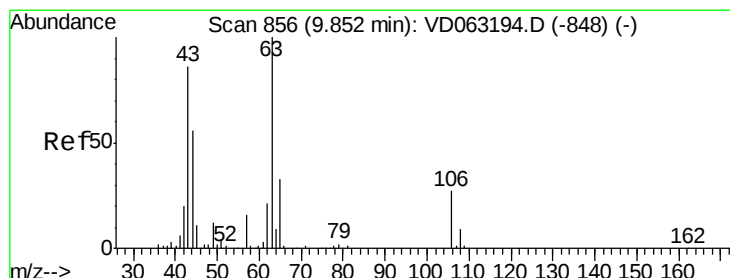
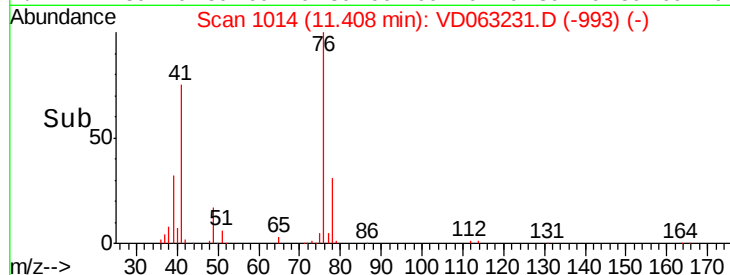
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 266.932 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD063231.D

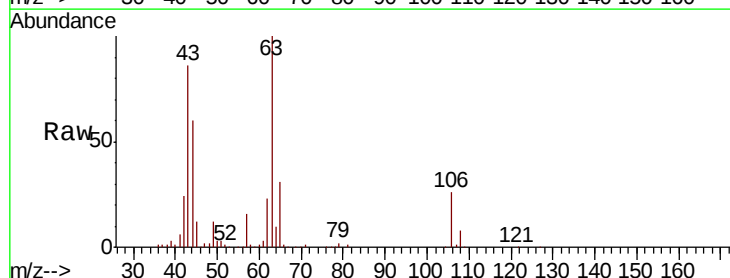
Acq: 30 Jul 2019 10:09

Tgt Ion: 63 Resp: 934758

Ion Ratio Lower Upper

63 100

106 25.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

400000

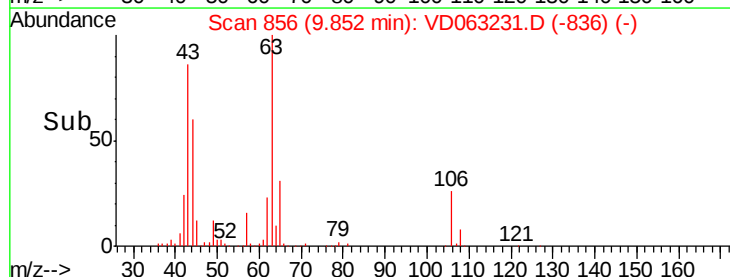
300000

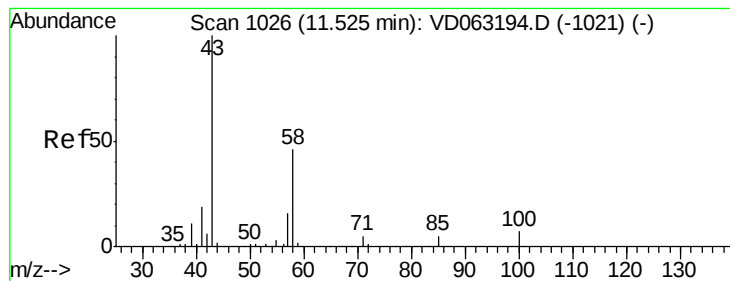
200000

100000

0

Time-->





#59

2-Hexanone

Concen: 276.184 ug/l

RT: 11.53 min Scan# 1026

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

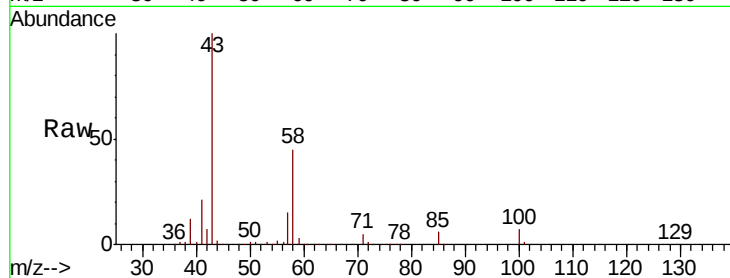
VSTDCCC050

Tot Ion: 43 Resp: 1014081

Ion Ratio Lower Upper

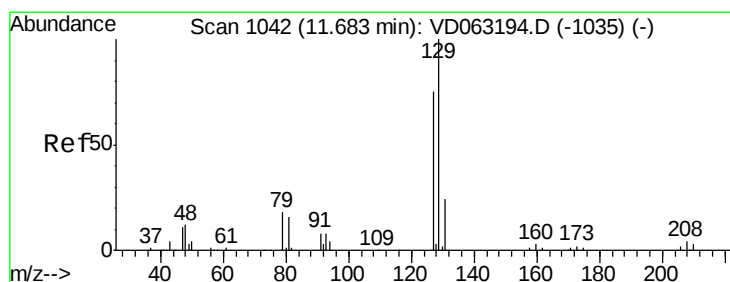
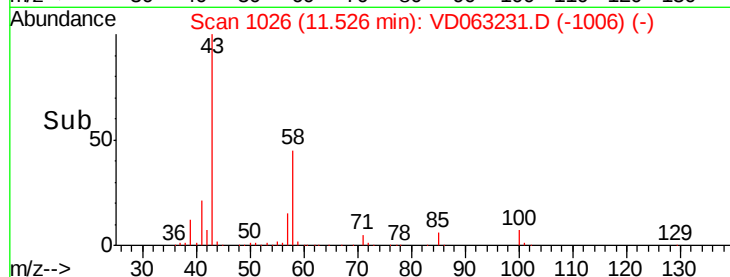
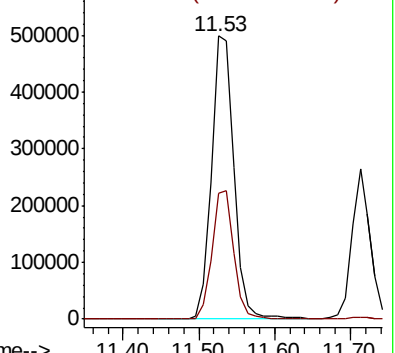
43 100

58 44.7 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 53.689 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VD063231.D

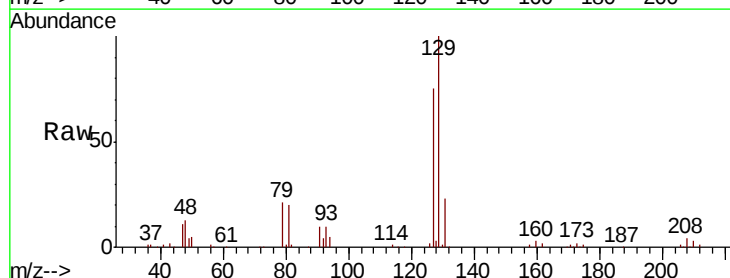
Acq: 30 Jul 2019 10:09

Tgt Ion: 129 Resp: 622925

Ion Ratio Lower Upper

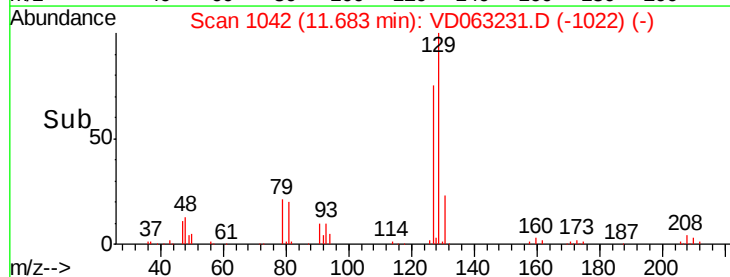
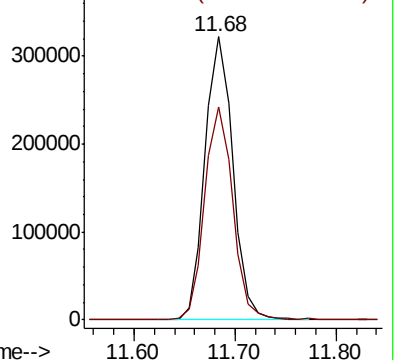
129 100

127 75.4 37.6 112.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 53.520 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

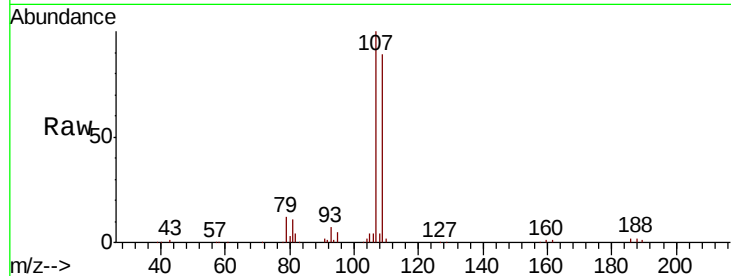
VSTDCCC050

Tot Ion:107 Resp: 405879

Ion Ratio Lower Upper

107 100

109 88.8 77.5 116.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

250000

200000

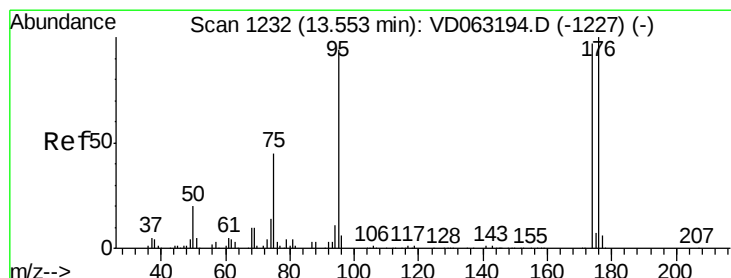
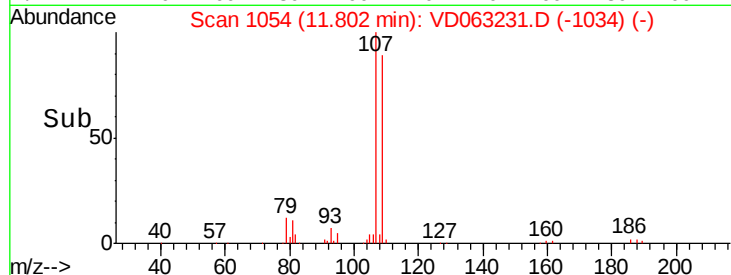
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.078 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

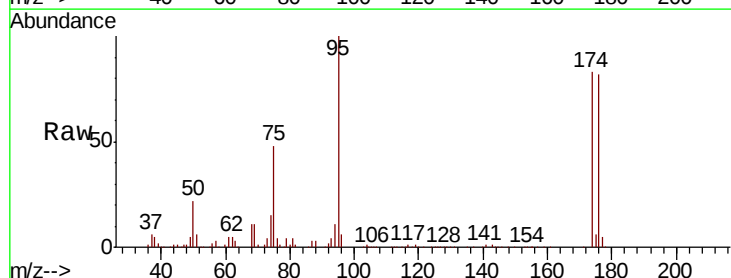
Tgt Ion: 95 Resp: 686025

Ion Ratio Lower Upper

95 100

174 83.4 0.0 205.4

176 82.0 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

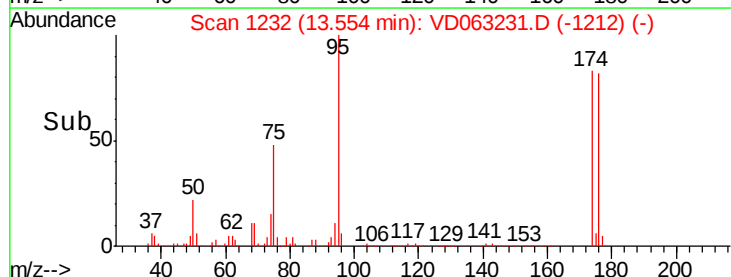
600000

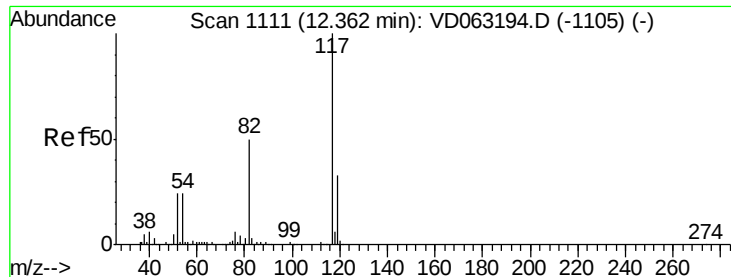
400000

200000

0

Time-->

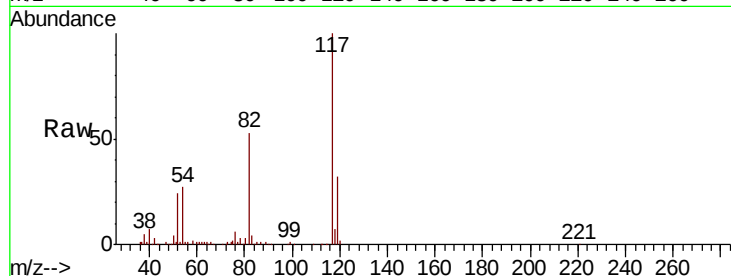




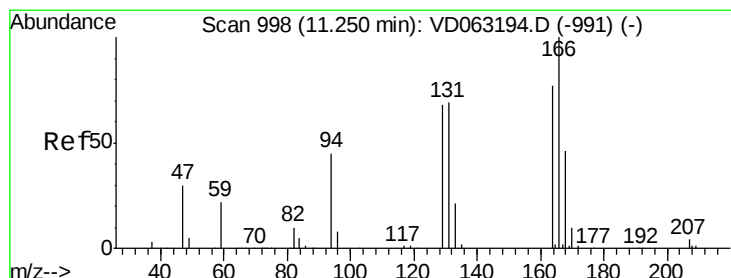
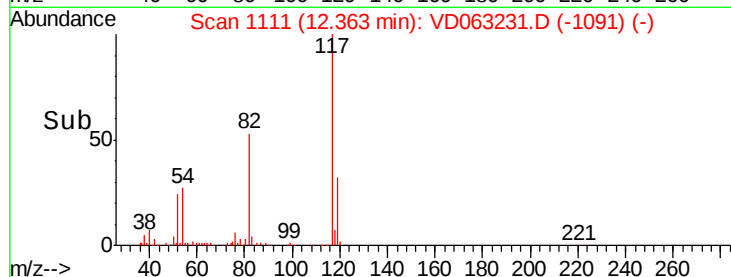
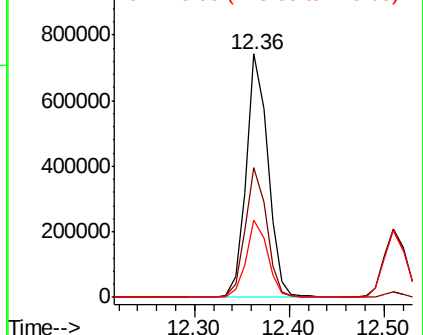
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.36 min Scan# 1111  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:117 Resp: 1187667  
Ion Ratio Lower Upper  
117 100  
82 53.4 40.1 60.1  
119 31.8 26.5 39.7

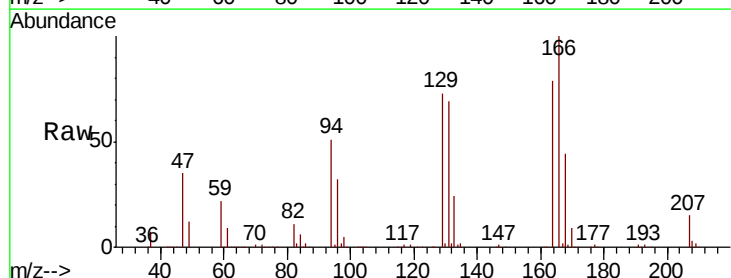


Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): V  
Ion 118.95 (118.65 to 119.65): V

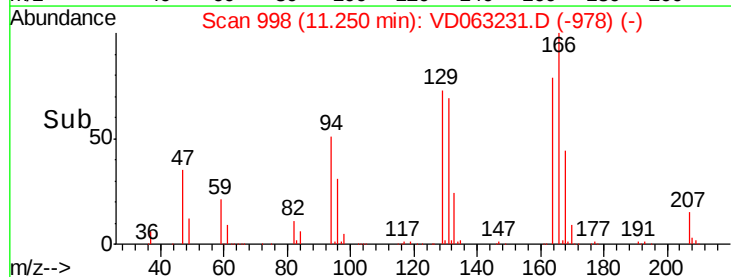
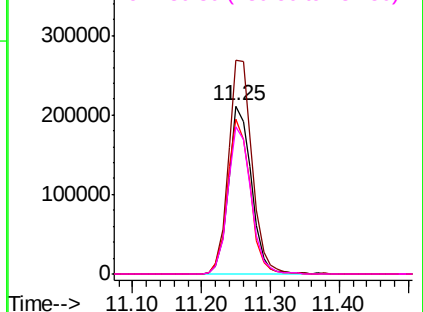


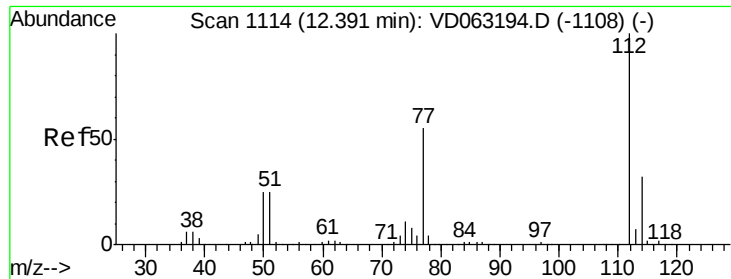
#64  
Tetrachloroethene  
Concen: 51.055 ug/l  
RT: 11.25 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion:164 Resp: 483063  
Ion Ratio Lower Upper  
164 100  
166 127.2 104.3 156.5  
129 92.5 70.9 106.3  
131 87.5 71.6 107.4



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

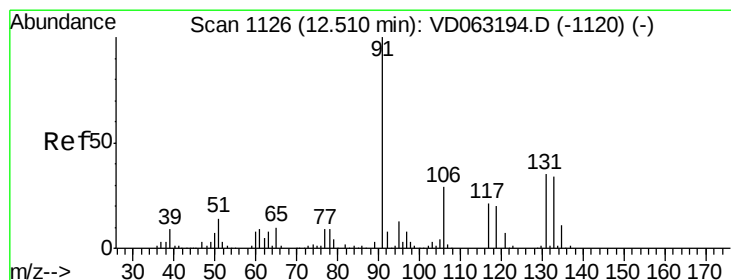
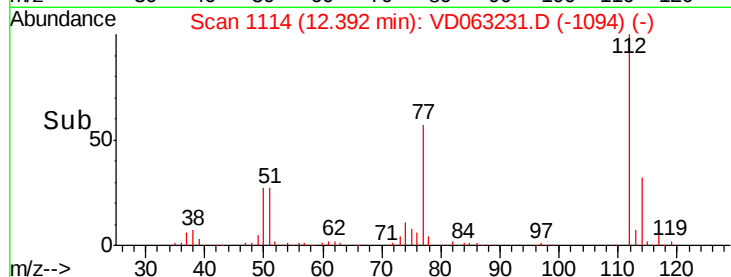
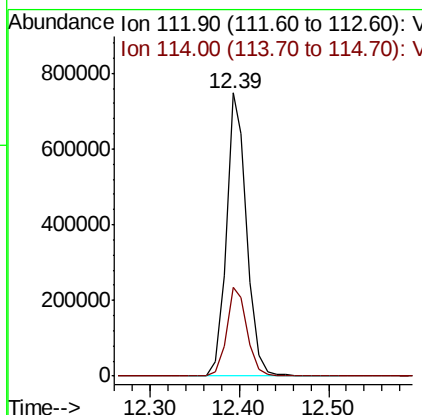
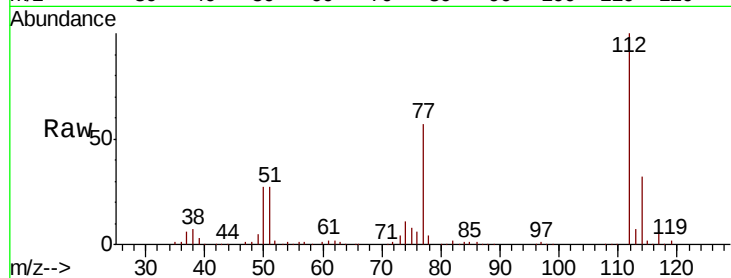




#65  
Chlorobenzene  
Concen: 52.433 ug/l  
RT: 12.39 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

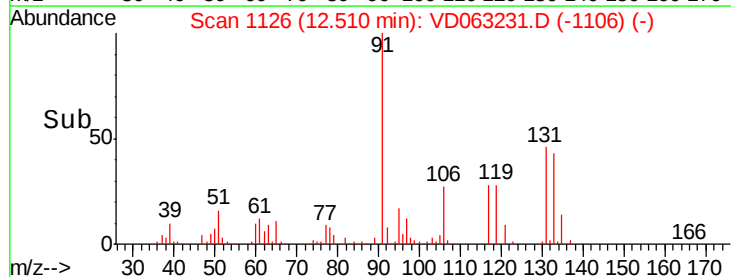
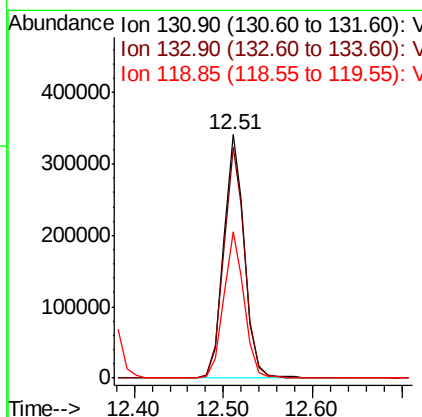
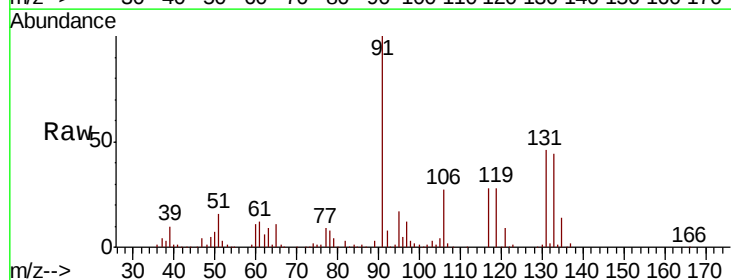
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

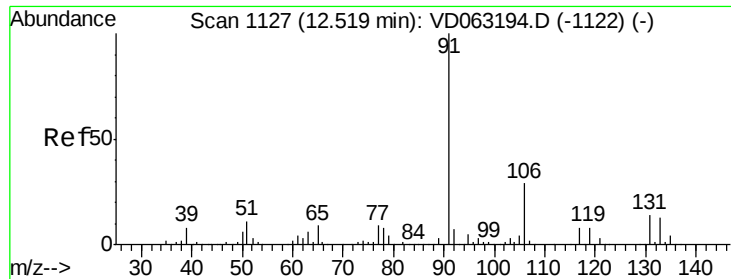
Tot Ion:112 Resp: 1197776  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 55.458 ug/l  
RT: 12.51 min Scan# 1126  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion:131 Resp: 558053  
Ion Ratio Lower Upper  
131 100  
133 95.0 48.4 145.2  
119 60.0 29.1 87.3

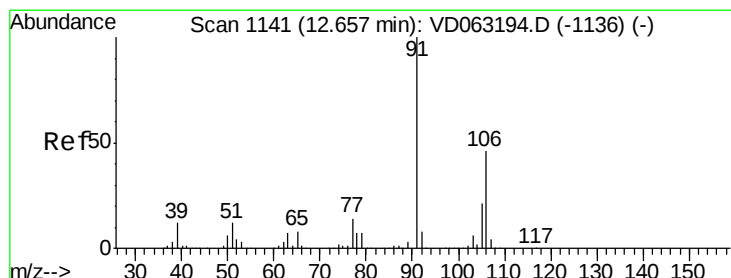
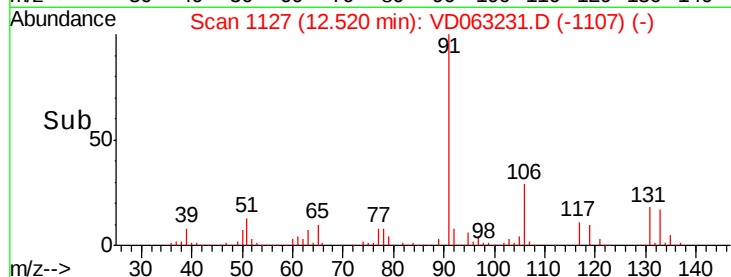
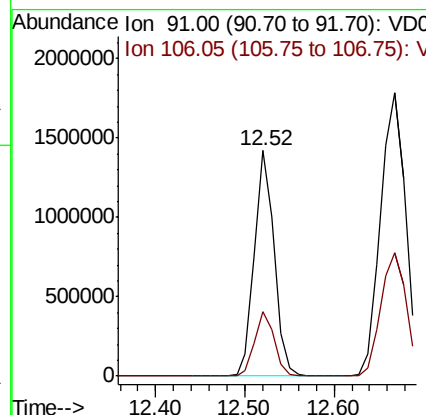
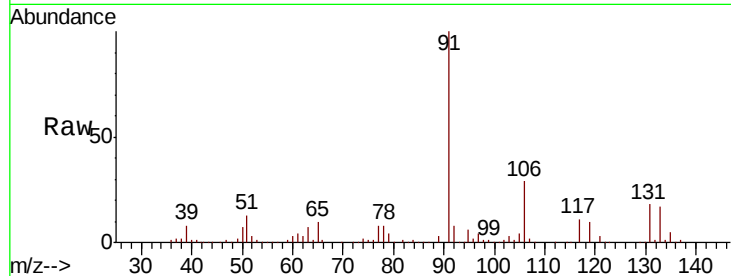




#67  
Ethyl Benzene  
Concen: 55.717 ug/l  
RT: 12.52 min Scan# 1127  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

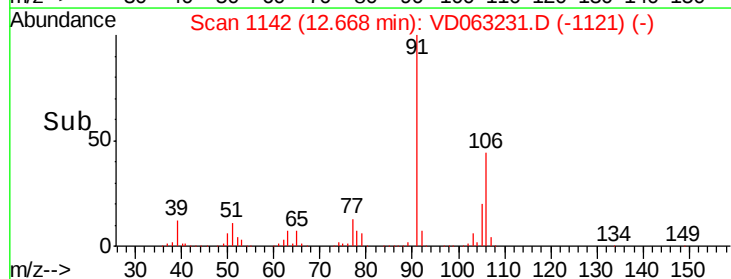
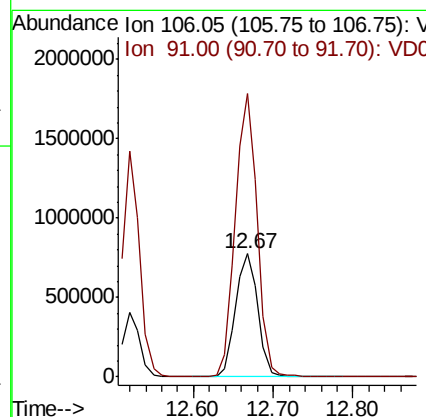
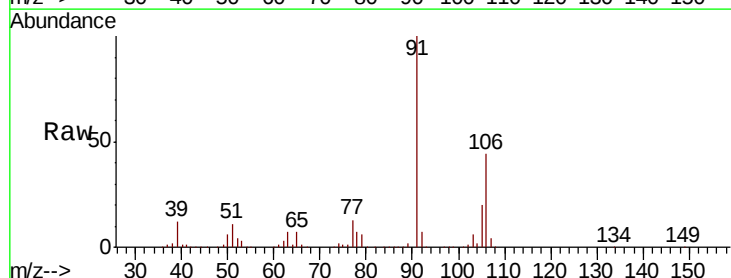
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

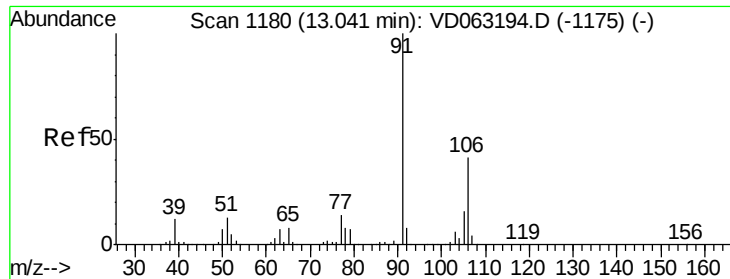
Tot Ion: 91 Resp: 2162230  
Ion Ratio Lower Upper  
91 100  
106 28.7 22.9 34.3



#68  
m/p-Xylenes  
Concen: 106.747 ug/l  
RT: 12.67 min Scan# 1142  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 106 Resp: 1519204  
Ion Ratio Lower Upper  
106 100  
91 229.6 172.6 259.0

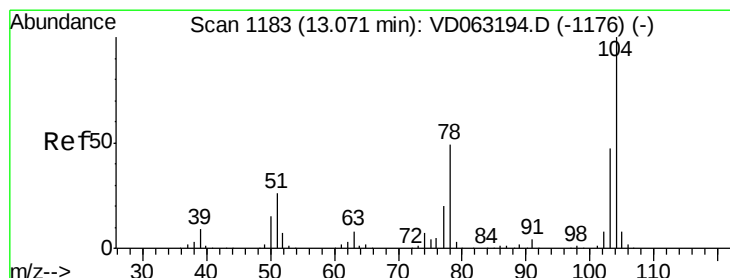
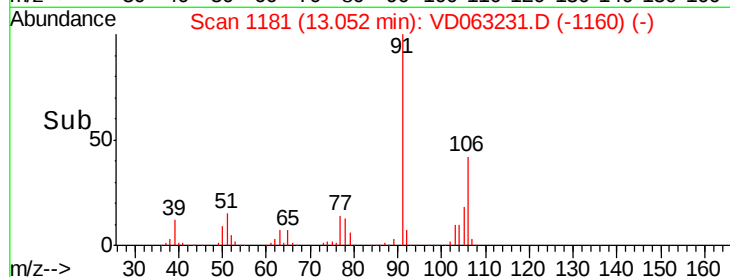
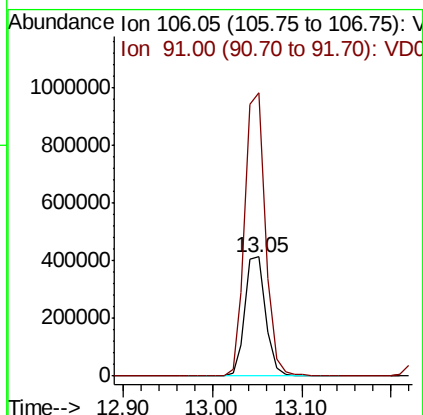
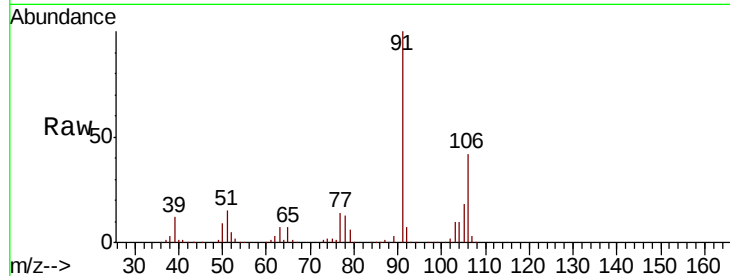




#69  
o-Xylene  
Concen: 51.315 ug/l  
RT: 13.05 min Scan# 1181  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

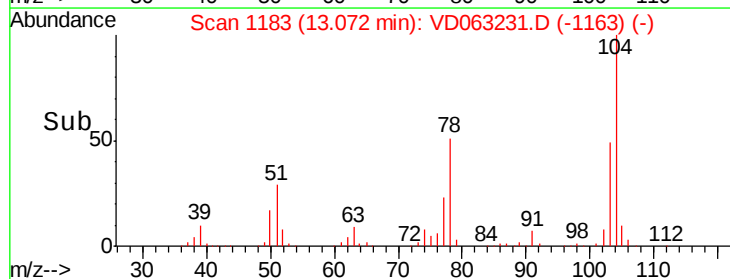
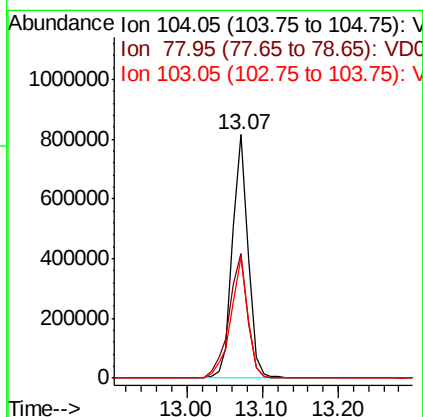
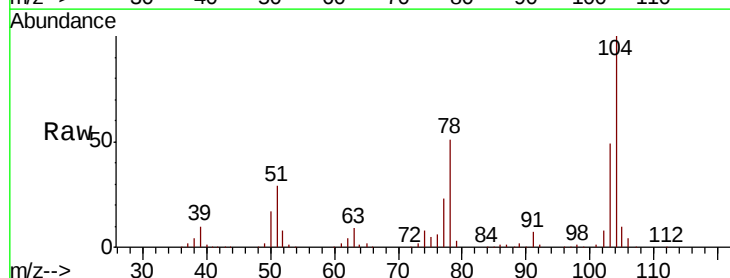
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

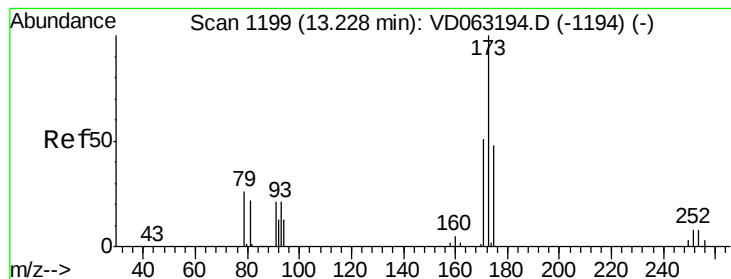
Tot Ion:106 Resp: 670648  
Ion Ratio Lower Upper  
106 100  
91 237.6 121.3 363.9



#70  
Styrene  
Concen: 49.862 ug/l  
RT: 13.07 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion:104 Resp: 1155665  
Ion Ratio Lower Upper  
104 100  
78 51.1 39.4 59.0  
103 49.3 37.4 56.2





#71

Bromoform

Concen: 55.788 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

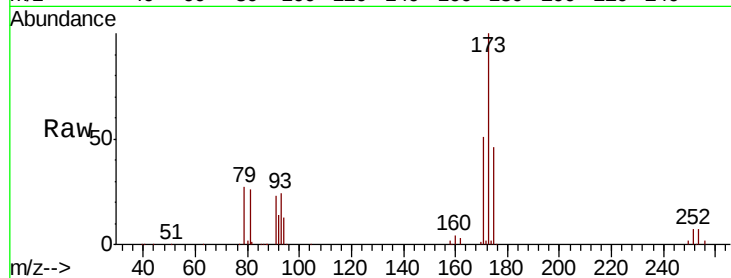
Tot Ion:173 Resp: 408241

Ion Ratio Lower Upper

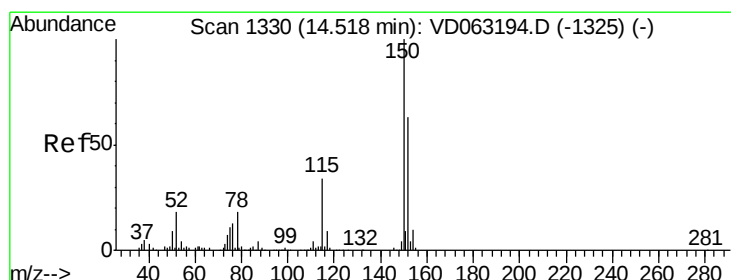
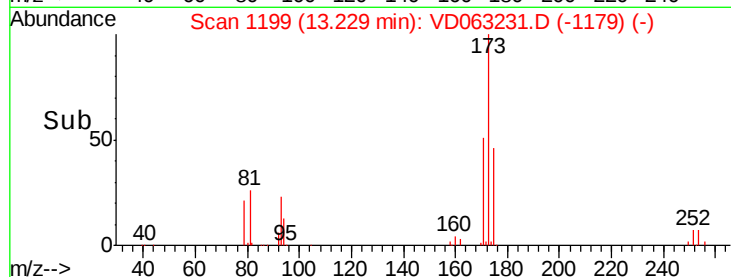
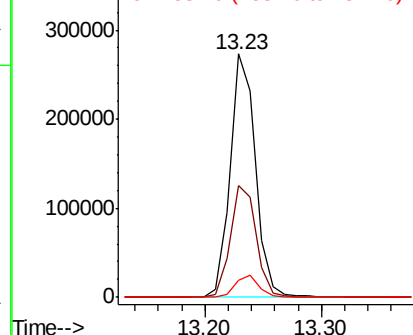
173 100

175 46.0 23.8 71.5

254 7.0 6.6 10.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

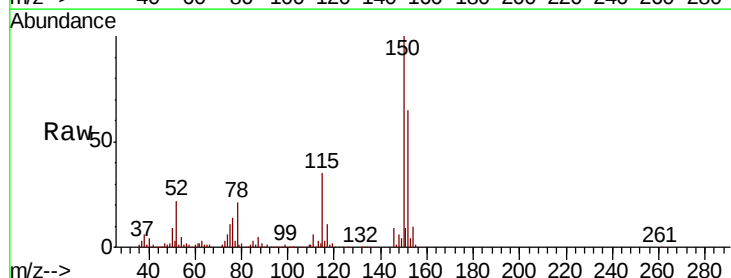
Tgt Ion:152 Resp: 638208

Ion Ratio Lower Upper

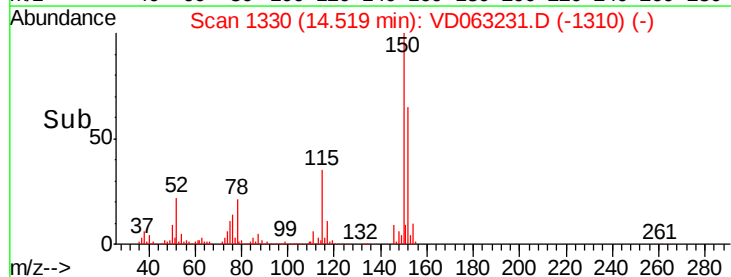
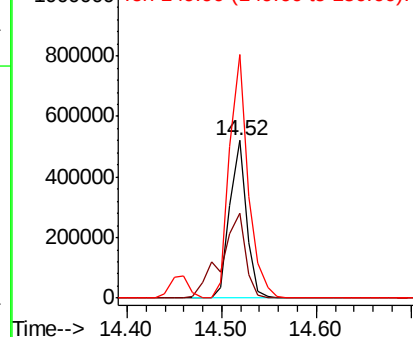
152 100

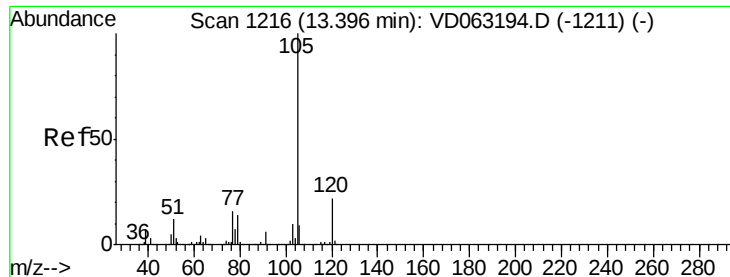
115 54.2 27.5 82.4

150 154.6 0.0 320.6



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





#73

Isopropylbenzene

Concen: 56.191 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

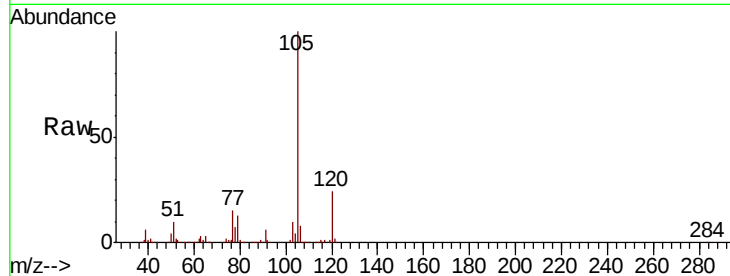
VSTDCCC050

Tot Ion:105 Resp: 2250789

Ion Ratio Lower Upper

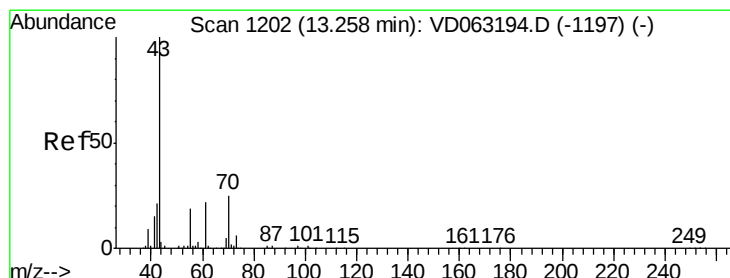
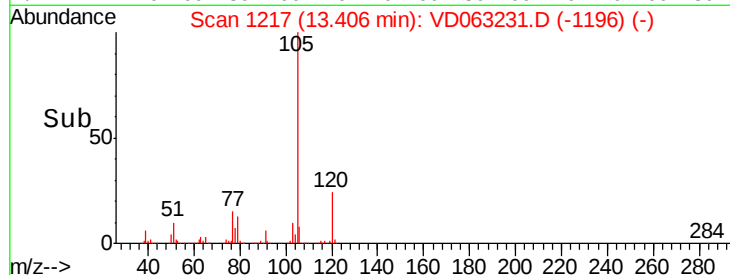
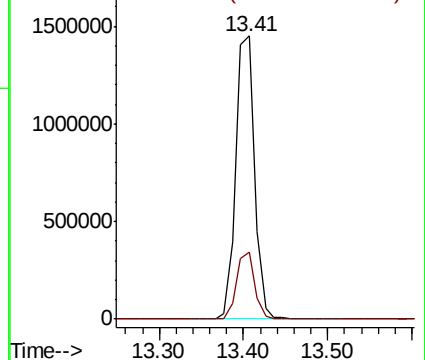
105 100

120 23.7 11.1 33.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.396 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Tgt Ion: 43 Resp: 565413

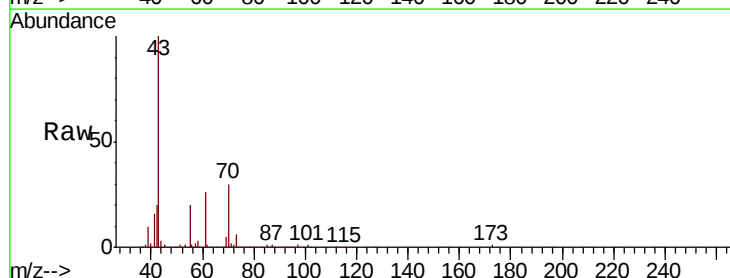
Ion Ratio Lower Upper

43 100

70 29.8 20.2 30.4

55 19.5 14.9 22.3

61 25.6 17.9 26.9

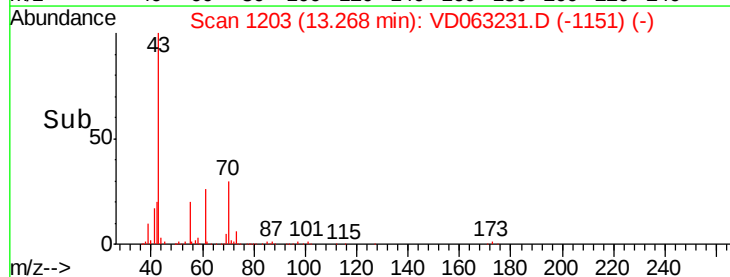
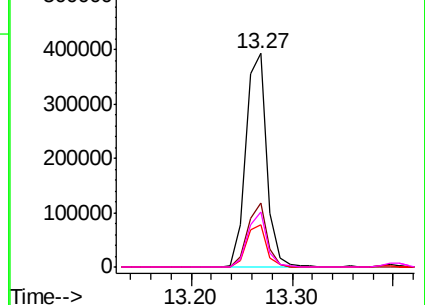


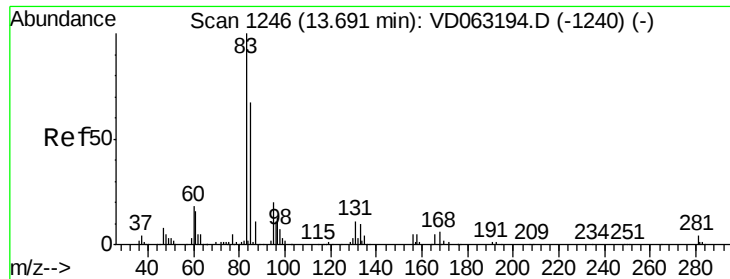
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.122 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

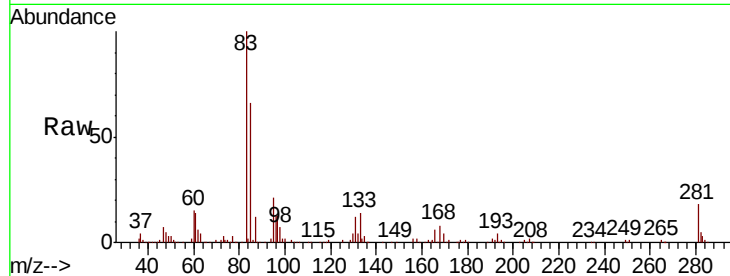
Tot Ion: 83 Resp: 375055

Ion Ratio Lower Upper

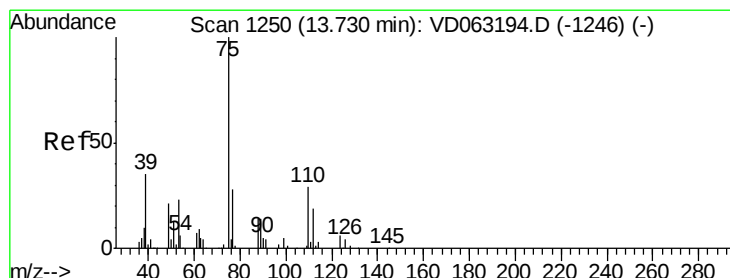
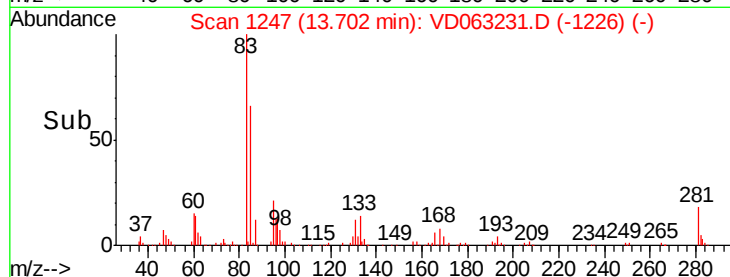
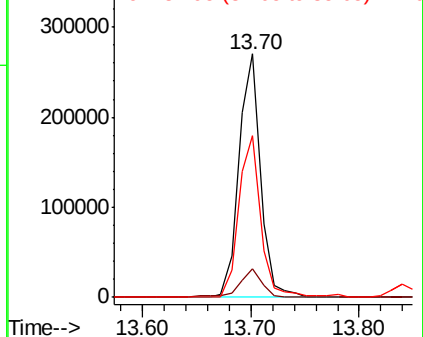
83 100

131 11.7 5.5 16.7

85 66.4 33.7 101.1



Abundance Ion 82.95 (82.65 to 83.65): VDC  
Ion 130.90 (130.60 to 131.60): VDC  
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.050 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD063231.D

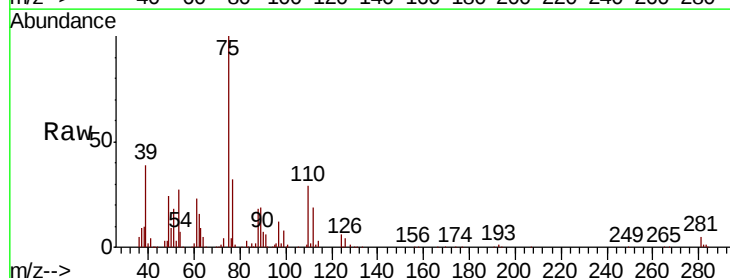
Acq: 30 Jul 2019 10:09

Tgt Ion: 75 Resp: 399001

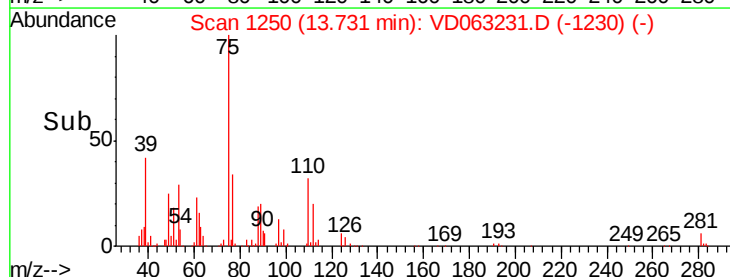
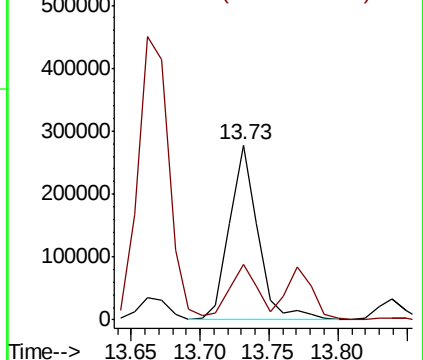
Ion Ratio Lower Upper

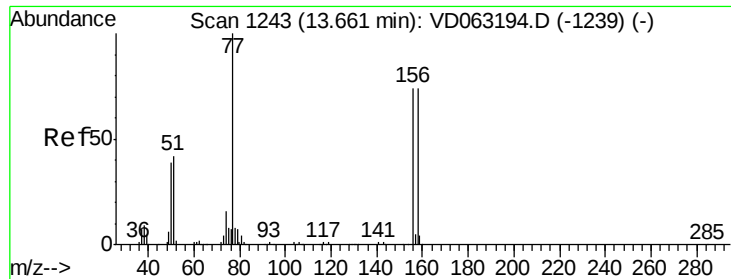
75 100

77 31.7 16.0 48.0



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

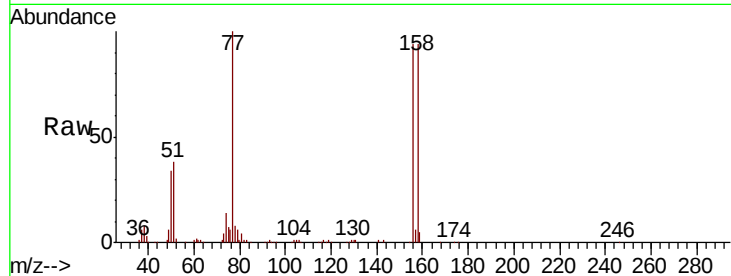




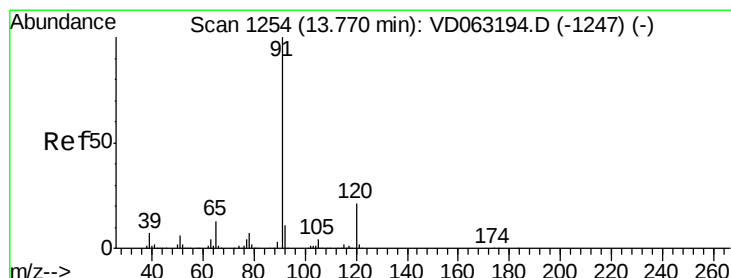
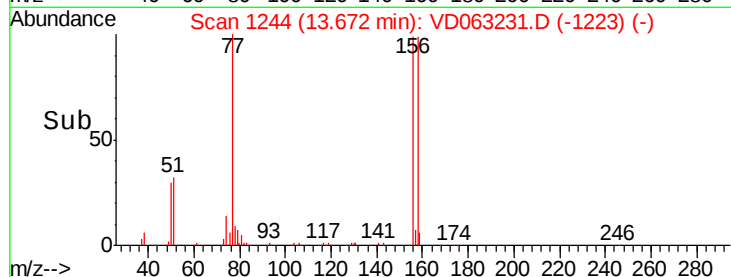
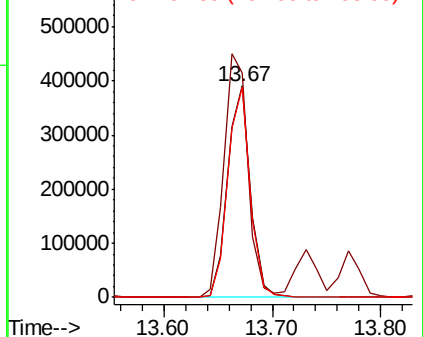
#77  
Bromobenzene  
Concen: 50.009 ug/l  
RT: 13.67 min Scan# 1244  
Delta R.T. 0.01 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:156 Resp: 570635  
Ion Ratio Lower Upper  
156 100  
77 106.2 67.6 202.8  
158 99.4 49.8 149.4

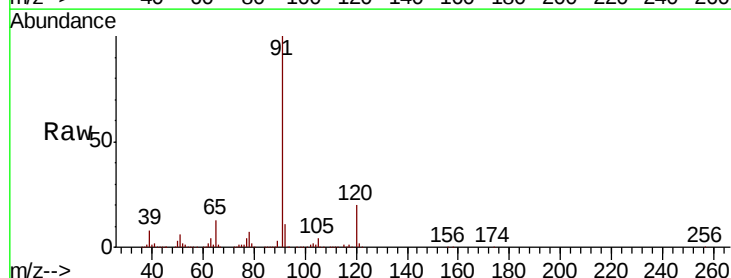


Abundance Ion 155.90 (155.60 to 156.60): V  
Ion 76.95 (76.65 to 77.65): VDC  
Ion 157.85 (157.55 to 158.55): V

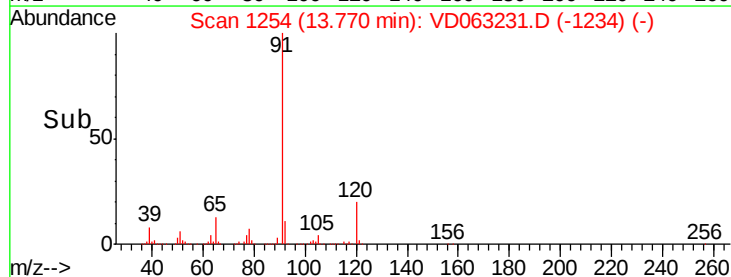
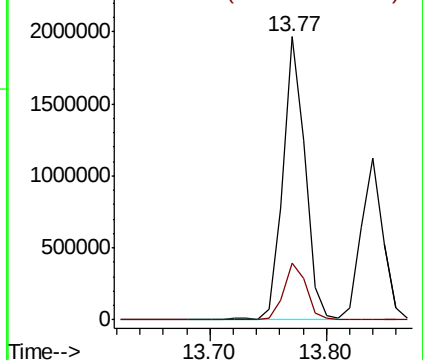


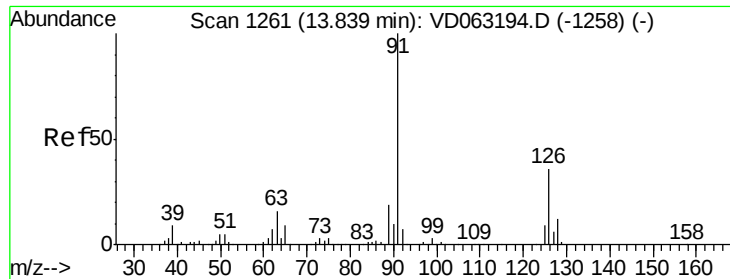
#78  
n-propylbenzene  
Concen: 54.007 ug/l  
RT: 13.77 min Scan# 1254  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion: 91 Resp: 2574401  
Ion Ratio Lower Upper  
91 100  
120 20.1 10.7 32.1



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





#79

2-Chlorotoluene

Concen: 53.090 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

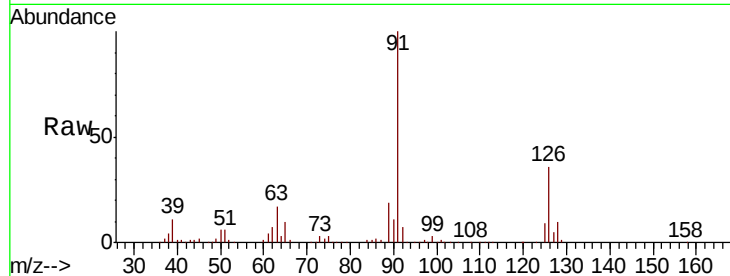
VSTDCCC050

Tot Ion: 91 Resp: 1466348

Ion Ratio Lower Upper

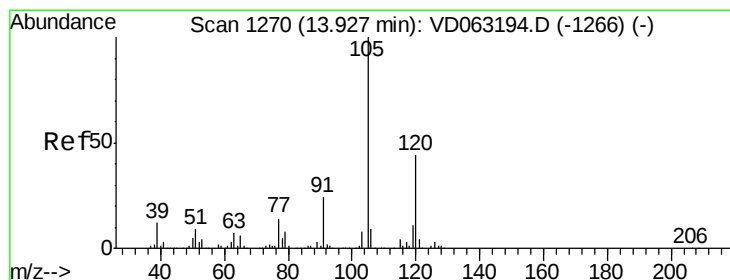
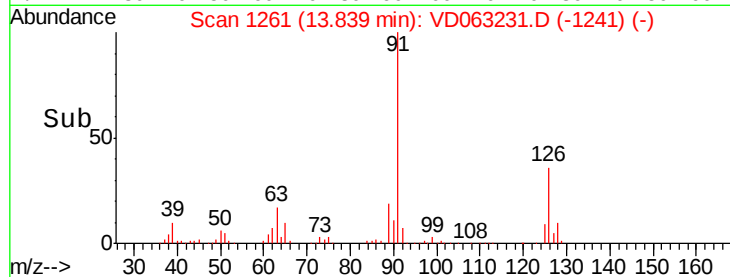
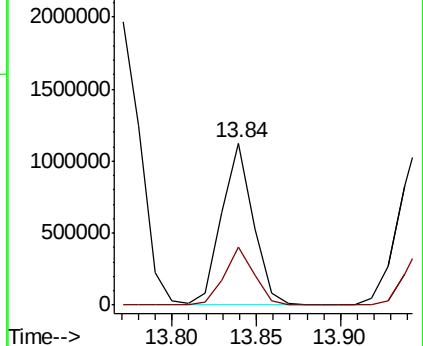
91 100

126 35.8 17.8 53.5



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: 52.201 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD063231.D

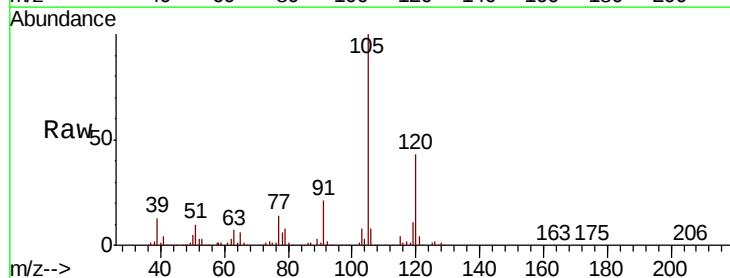
Acq: 30 Jul 2019 10:09

Tgt Ion:105 Resp: 1803449

Ion Ratio Lower Upper

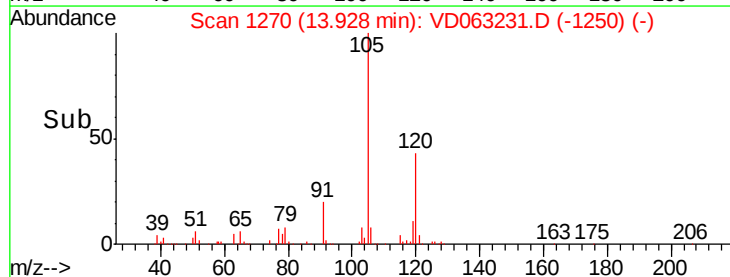
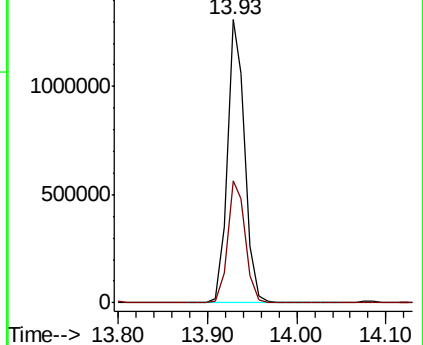
105 100

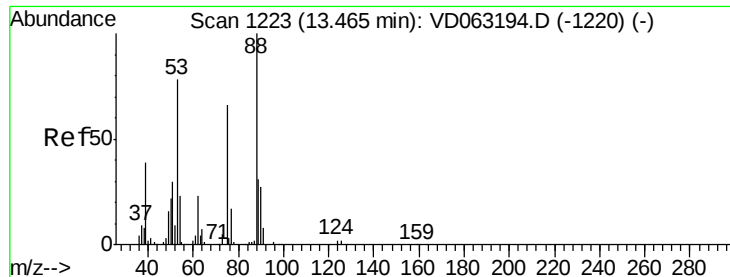
120 43.1 22.1 66.1



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: 49.460 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

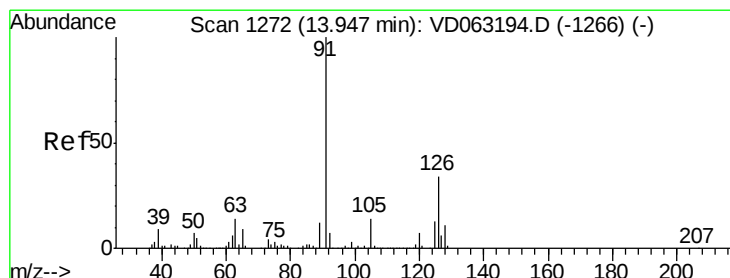
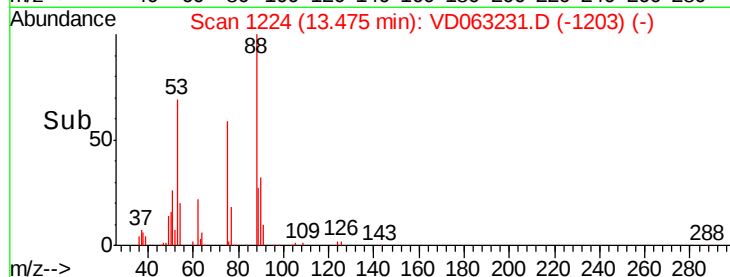
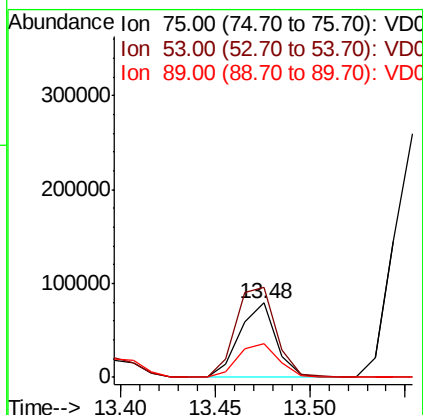
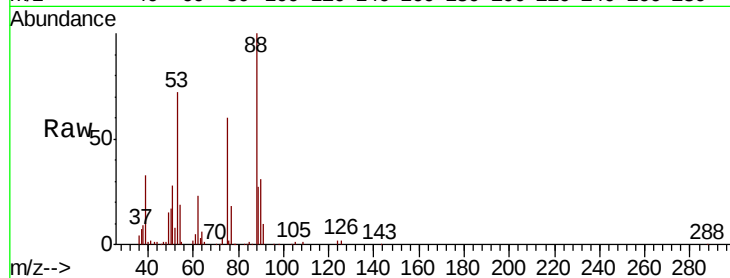
Tot Ion: 75 Resp: 105280

Ion Ratio Lower Upper

75 100

53 121.1 94.9 142.3

89 44.9 37.4 56.0



#82

4-Chlorotoluene

Concen: 52.719 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD063231.D

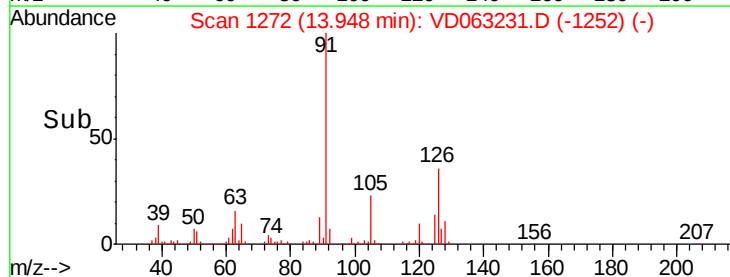
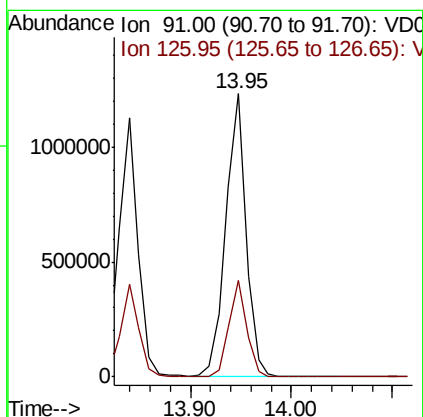
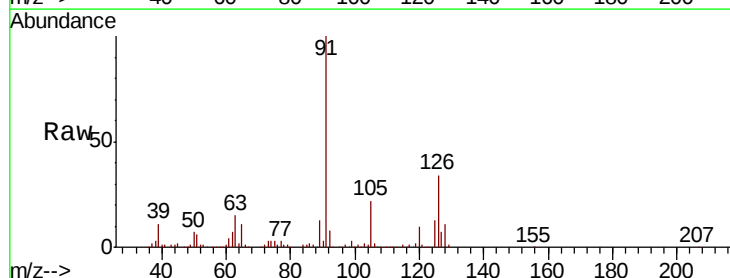
Acq: 30 Jul 2019 10:09

Tgt Ion: 91 Resp: 1713626

Ion Ratio Lower Upper

91 100

126 34.2 17.1 51.2

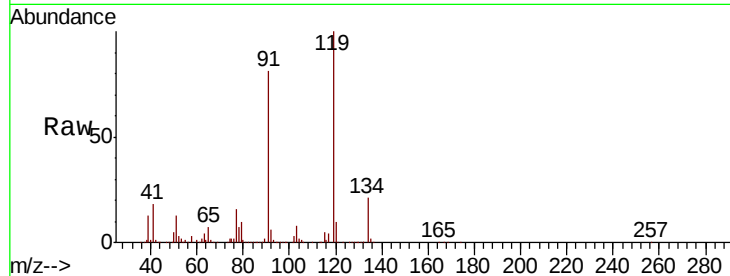




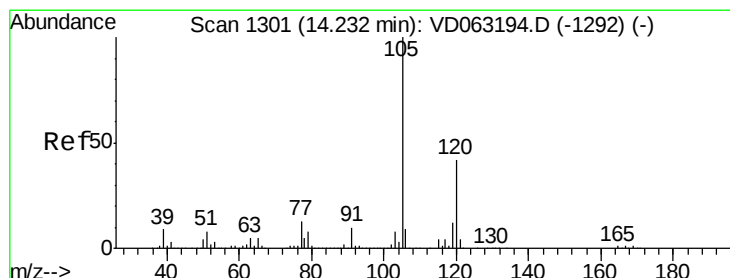
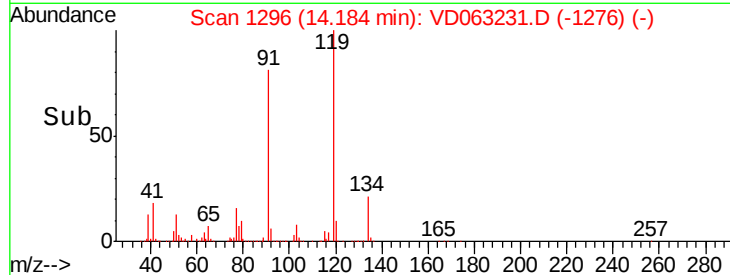
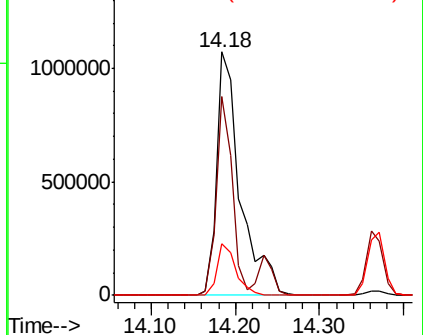
#83  
tert-Butylbenzene  
Concen: 53.055 ug/l  
RT: 14.18 min Scan# 1296  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:119 Resp: 2092882  
Ion Ratio Lower Upper  
119 100  
91 81.5 39.1 117.5  
134 21.3 10.9 32.6

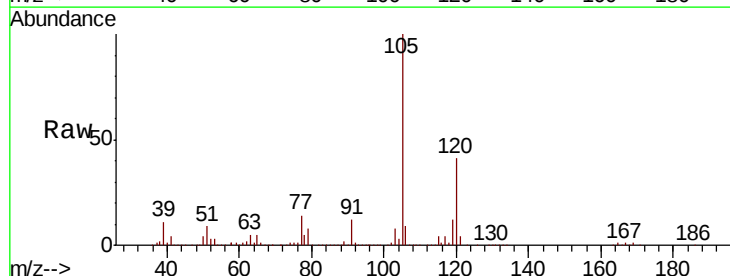


Abundance Ion 119.05 (118.75 to 119.75): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

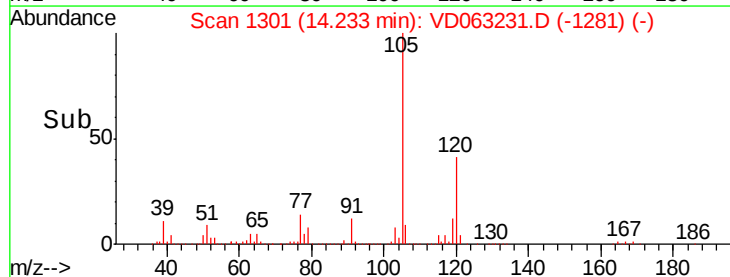
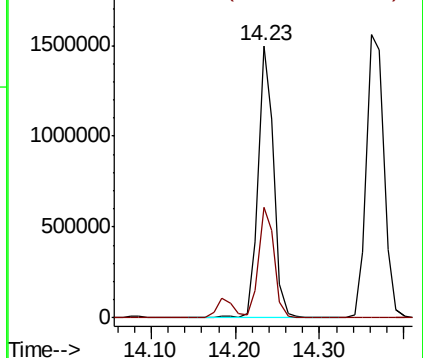


#84  
1,2,4-Trimethylbenzene  
Concen: 54.270 ug/l  
RT: 14.23 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion:105 Resp: 1939299  
Ion Ratio Lower Upper  
105 100  
120 40.7 20.9 62.7



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





#85

sec-Butylbenzene

Concen: 54.740 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

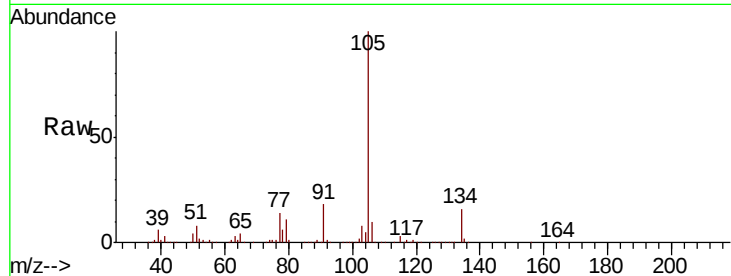
VSTDCCC050

Tot Ion:105 Resp: 2275060

Ion Ratio Lower Upper

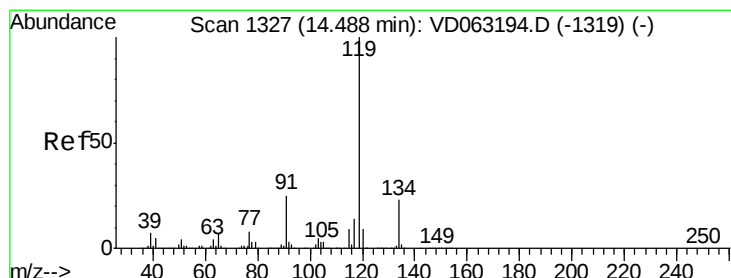
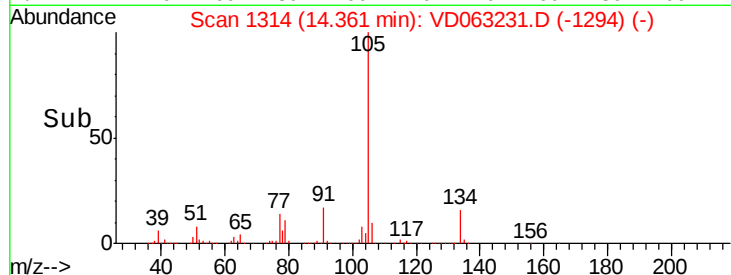
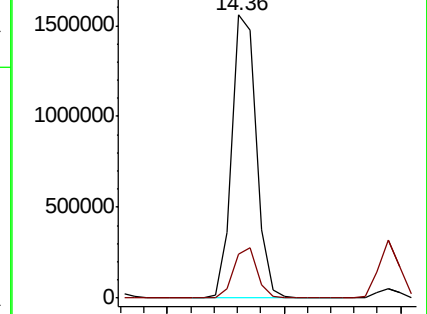
105 100

134 15.7 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 45.728 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

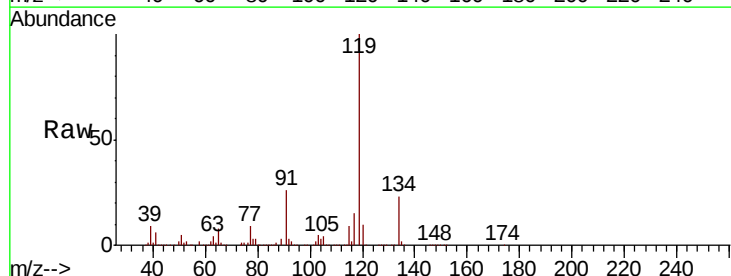
Tgt Ion:119 Resp: 1813924

Ion Ratio Lower Upper

119 100

134 22.6 11.5 34.5

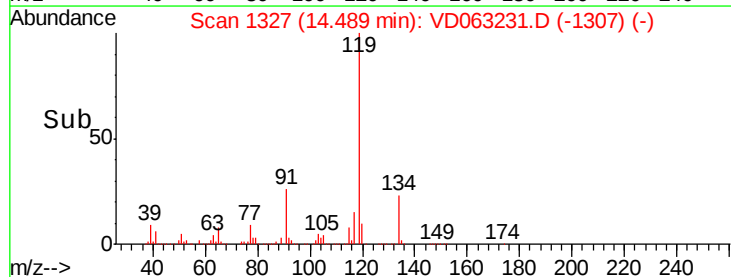
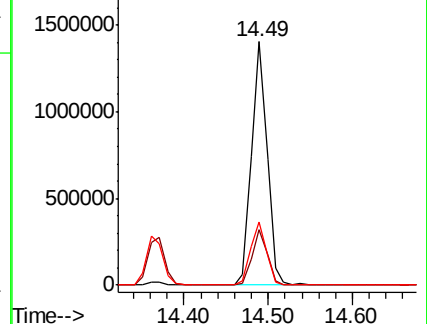
91 26.1 12.6 37.6

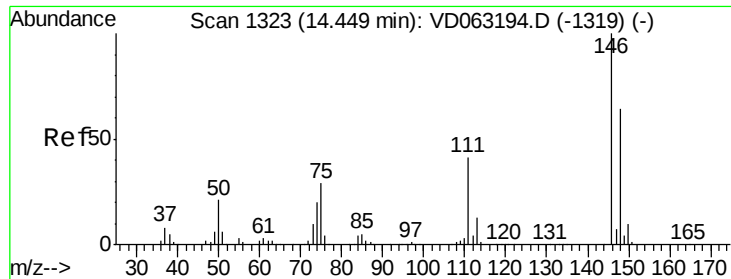


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

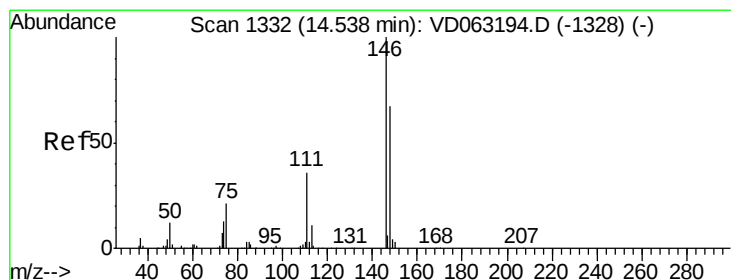
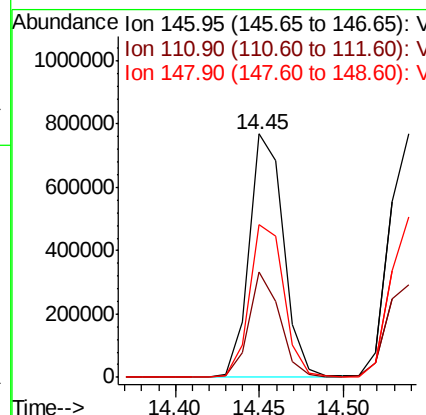
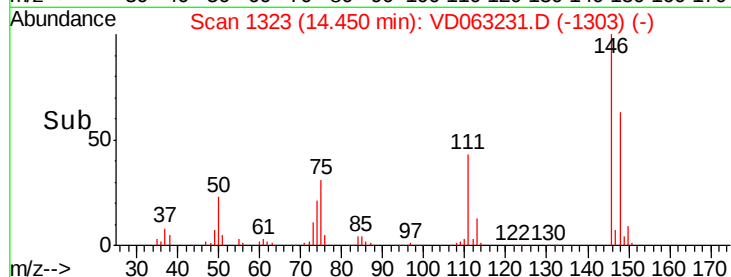
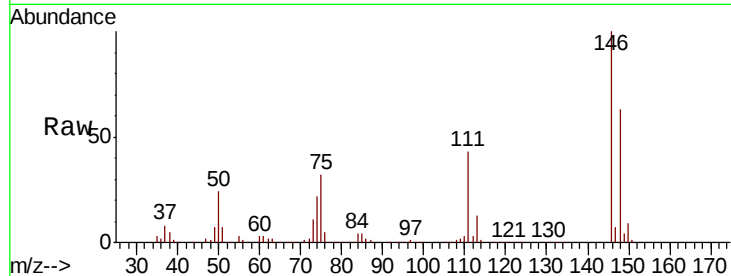




#87  
 1,3-Dichlorobenzene  
 Concen: 53.679 ug/l  
 RT: 14.45 min Scan# 1323  
 Delta R.T. 0.00 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

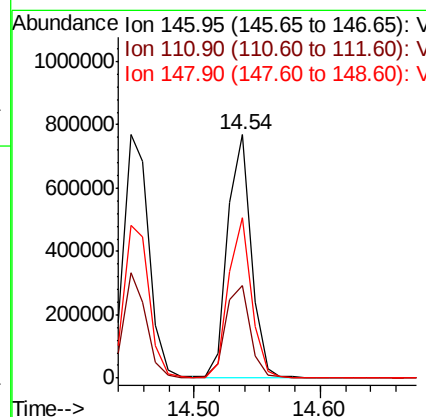
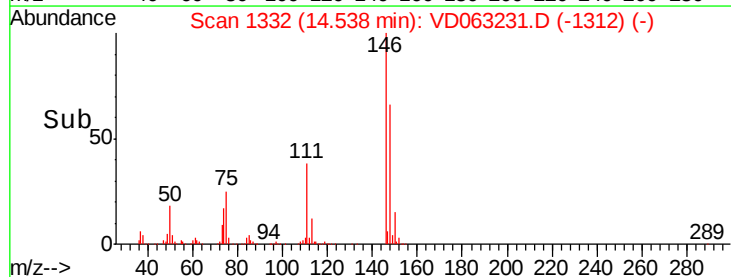
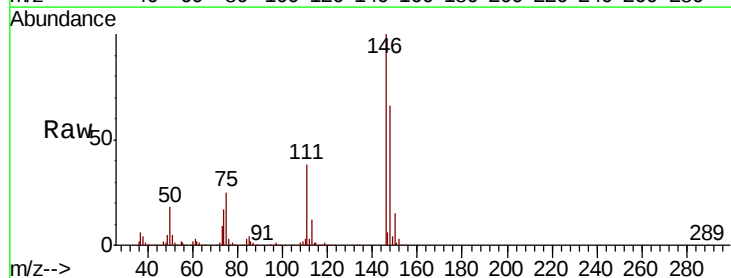
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

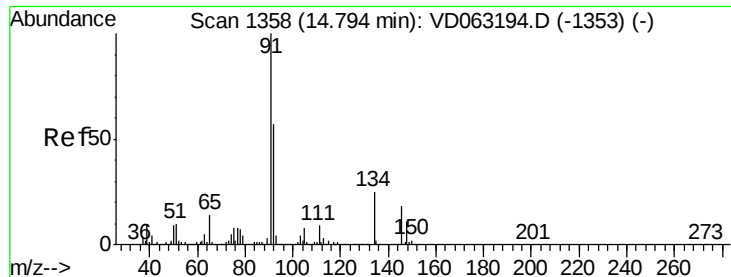
Tot Ion:146 Resp: 1084712  
 Ion Ratio Lower Upper  
 146 100  
 111 43.5 20.4 61.3  
 148 62.8 31.8 95.4



#88  
 1,4-Dichlorobenzene  
 Concen: 48.799 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. 0.00 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

Tgt Ion:146 Resp: 997167  
 Ion Ratio Lower Upper  
 146 100  
 111 37.9 18.1 54.3  
 148 66.1 33.4 100.1





#89

n-Butylbenzene

Concen: 52.410 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD063231.D

Acq: 30 Jul 2019 10:09

Instrument :

MSVOA\_D

ClientSampleId :

VSTDCCC050

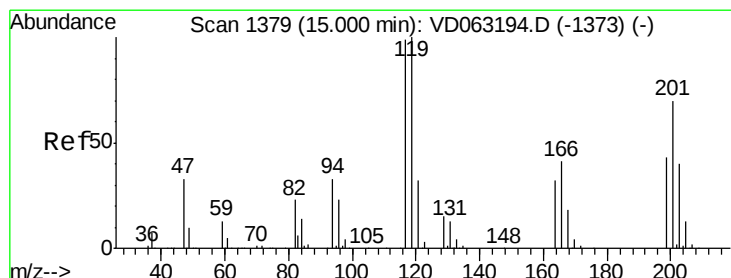
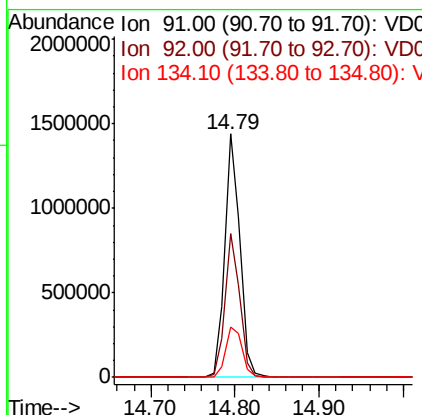
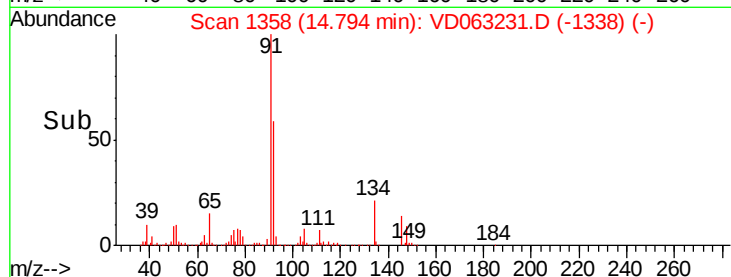
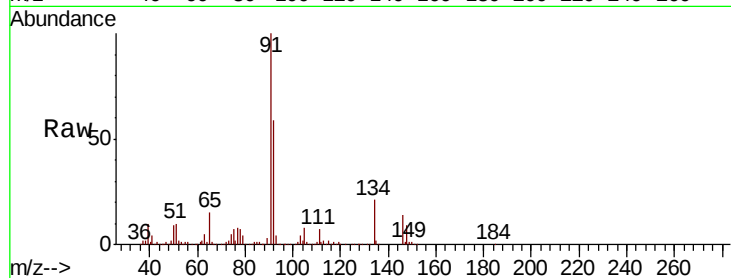
Tot Ion: 91 Resp: 1795594

Ion Ratio Lower Upper

91 100

92 59.3 28.3 85.0

134 20.6 12.3 36.8



#90

Hexachloroethane

Concen: 53.327 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD063231.D

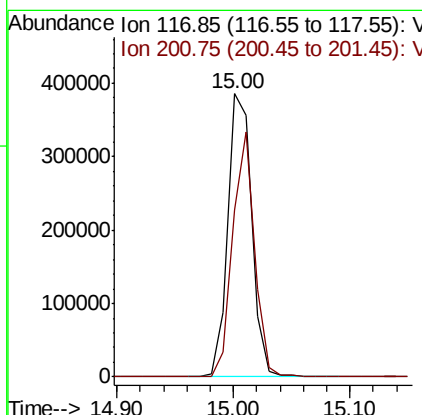
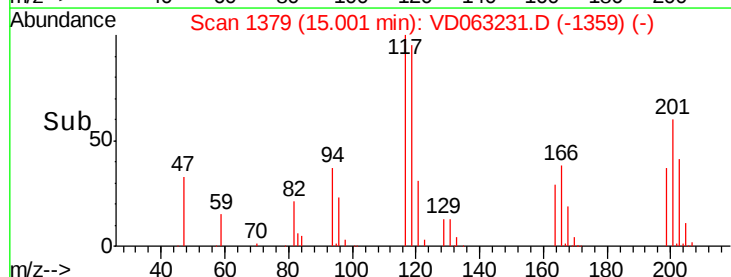
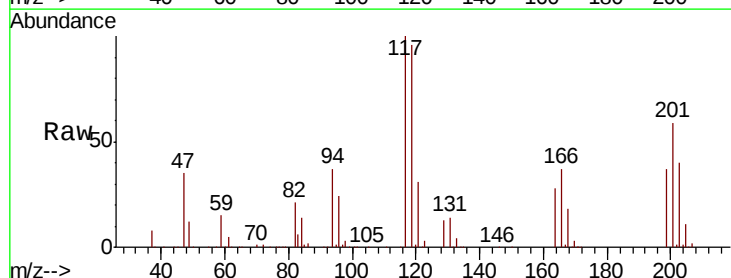
Acq: 30 Jul 2019 10:09

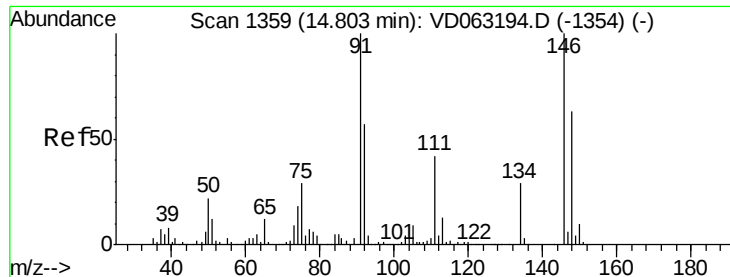
Tgt Ion: 117 Resp: 551128

Ion Ratio Lower Upper

117 100

201 59.1 35.2 105.6

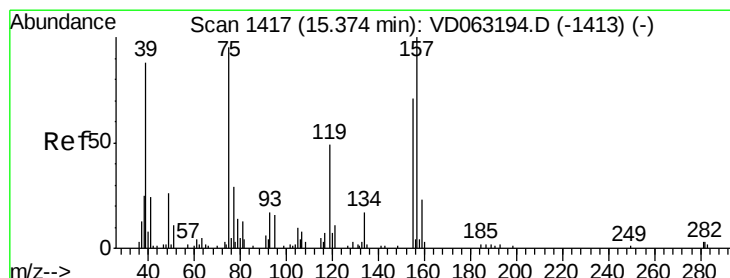
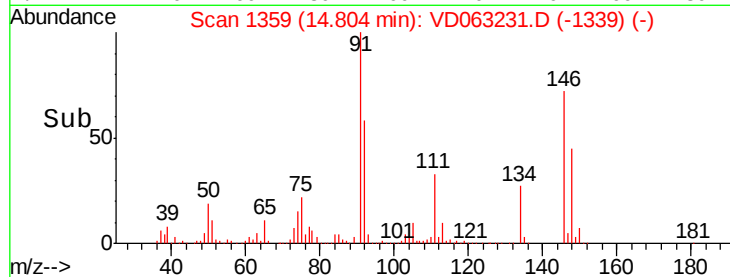
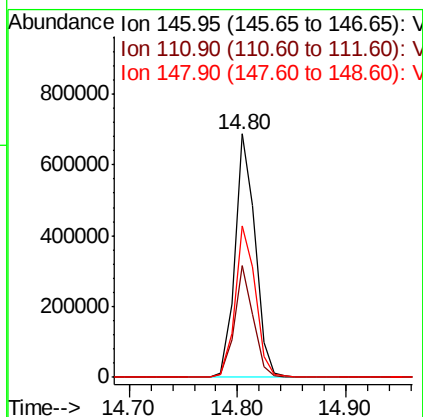
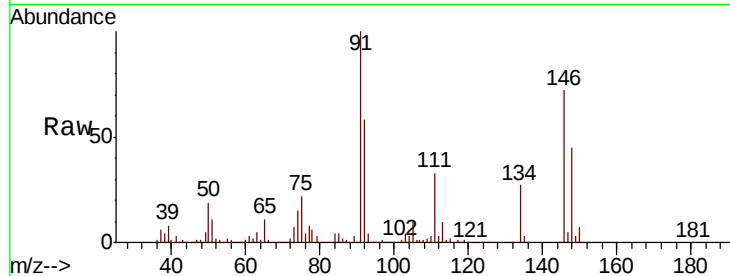




#91  
 1,2-Dichlorobenzene  
 Concen: 50.948 ug/l  
 RT: 14.80 min Scan# 1359  
 Delta R.T. 0.00 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

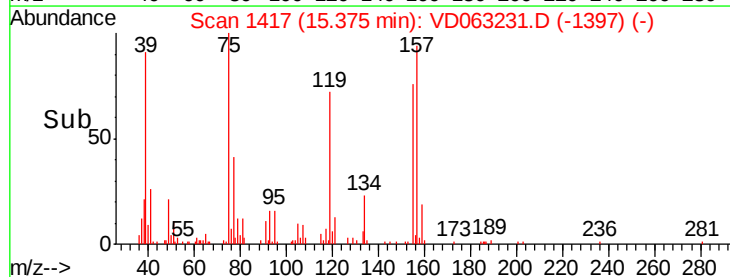
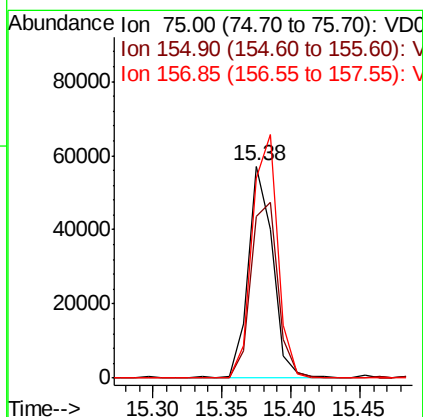
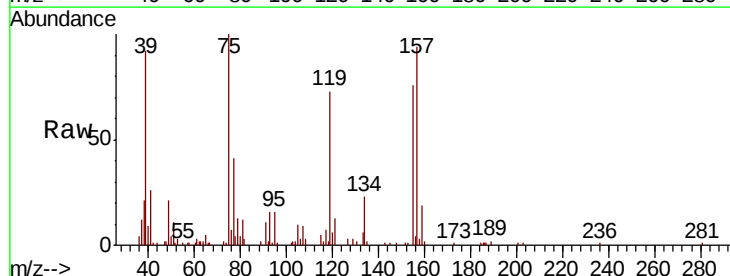
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

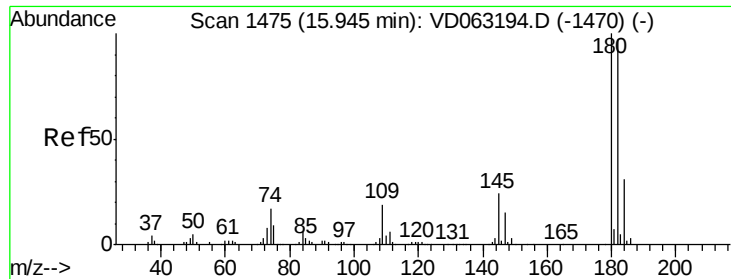
Tot Ion:146 Resp: 897001  
 Ion Ratio Lower Upper  
 146 100  
 111 46.1 21.1 63.3  
 148 62.3 31.6 94.8



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.727 ug/l  
 RT: 15.38 min Scan# 1417  
 Delta R.T. 0.00 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

Tgt Ion: 75 Resp: 71691  
 Ion Ratio Lower Upper  
 75 100  
 155 76.3 37.0 111.0  
 157 94.4 52.4 157.2

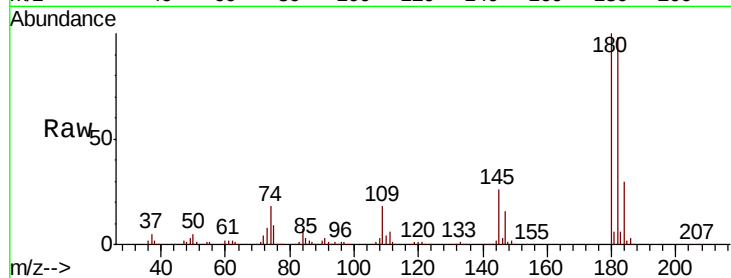




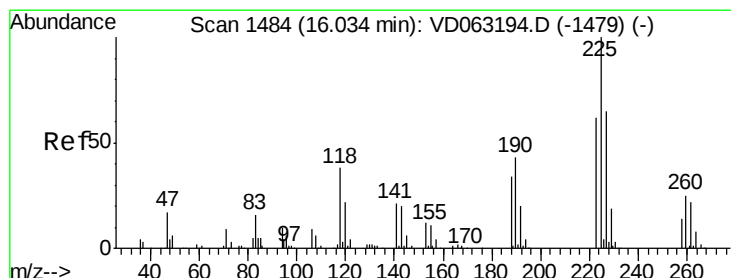
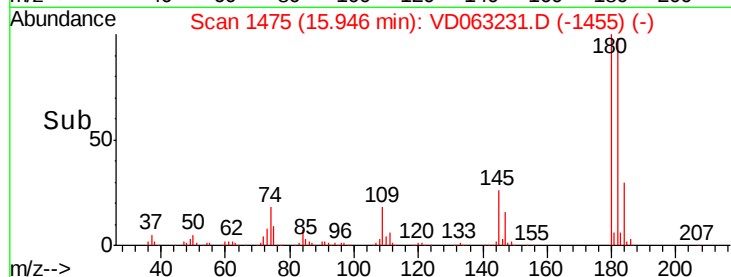
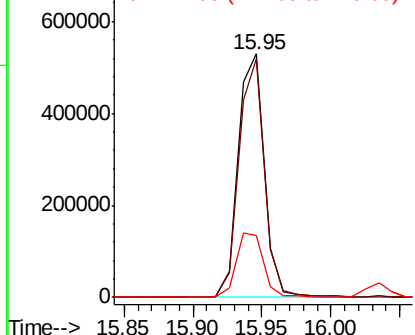
#93  
 1,2,4-Trichlorobenzene  
 Concen: 50.337 ug/l  
 RT: 15.95 min Scan# 1475  
 Delta R.T. 0.00 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:180 Resp: 703067  
 Ion Ratio Lower Upper  
 180 100  
 182 98.1 48.6 145.8  
 145 25.6 12.2 36.6

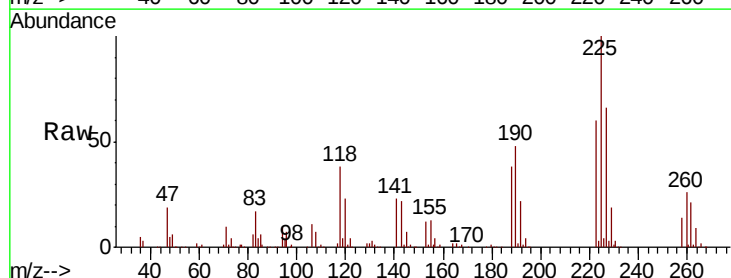


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

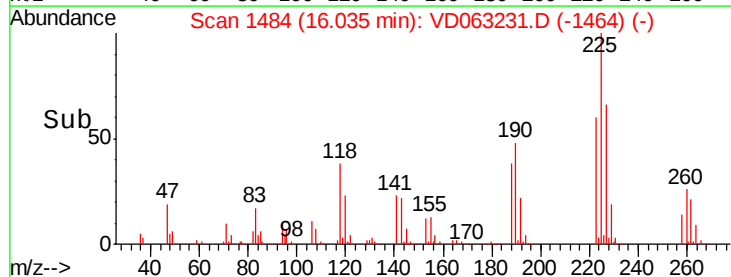
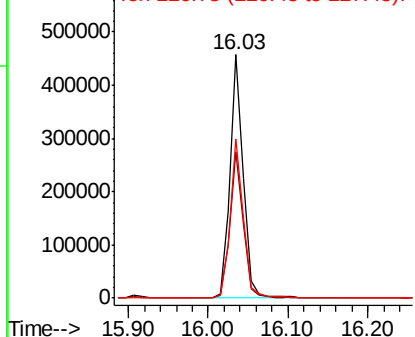


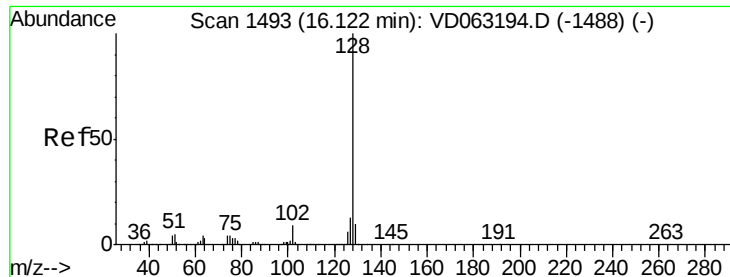
#94  
 Hexachlorobutadiene  
 Concen: 53.219 ug/l  
 RT: 16.03 min Scan# 1484  
 Delta R.T. 0.00 min  
 Lab File: VD063231.D  
 Acq: 30 Jul 2019 10:09

Tgt Ion:225 Resp: 538672  
 Ion Ratio Lower Upper  
 225 100  
 223 60.0 30.9 92.5  
 227 65.6 32.6 97.7



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

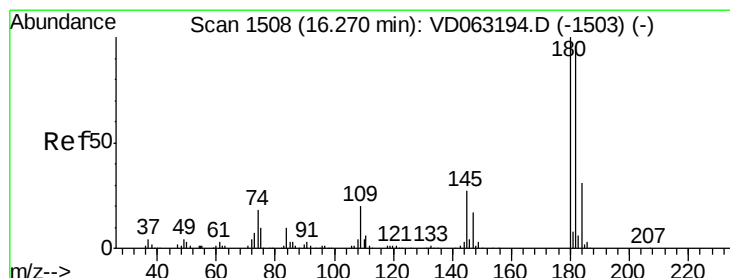
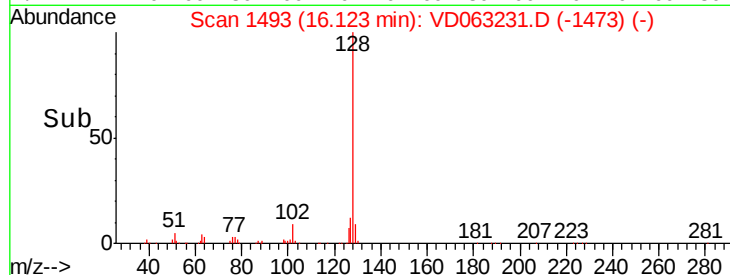
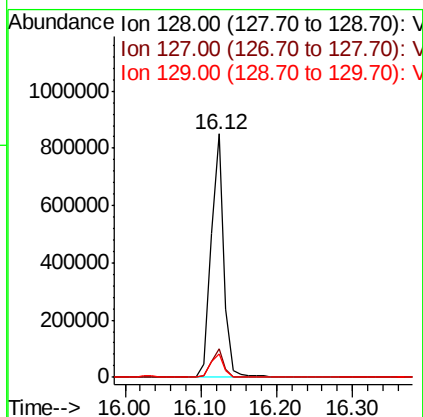
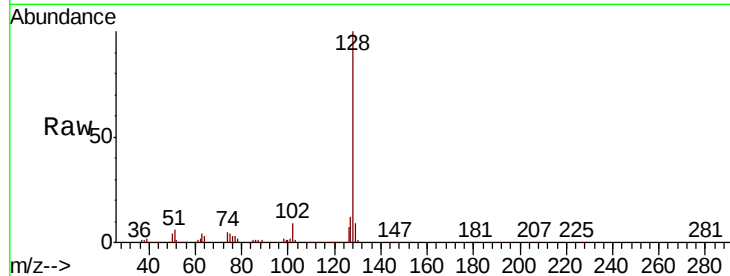




#95  
Naphthalene  
Concen: 51.082 ug/l  
RT: 16.12 min Scan# 1493  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDCCC050

Tot Ion:128 Resp: 1008426  
Ion Ratio Lower Upper  
128 100  
127 11.5 10.2 15.4  
129 9.4 7.8 11.8



#96  
1,2,3-Trichlorobenzene  
Concen: 52.177 ug/l  
RT: 16.27 min Scan# 1508  
Delta R.T. 0.00 min  
Lab File: VD063231.D  
Acq: 30 Jul 2019 10:09

Tgt Ion:180 Resp: 575718  
Ion Ratio Lower Upper  
180 100  
182 96.4 48.3 144.9  
145 27.5 13.6 40.7

