

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\  
 Data File : VD063574.D  
 Acq On : 14 Aug 2019 15:22  
 Operator : JC/SY  
 Sample : VD0814SBSD01  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 15 11:59:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 10 06:42:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.05  | 168  | 1131508  | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.22  | 114  | 1632584  | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 12.38 | 117  | 1347112  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 14.52 | 152  | 693461   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.46  | 65   | 640482   | 52.95 | ug/l    | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 105.90% |          |
| 35) Dibromofluoromethane    | 6.93  | 113  | 712482   | 51.82 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.64% |          |
| 50) Toluene-d8              | 10.42 | 98   | 1664618  | 55.07 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 110.14% |          |
| 62) 4-Bromofluorobenzene    | 13.56 | 95   | 732008   | 53.43 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.86% |          |

| Target Compounds              | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|-------------------------------|------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.58 | 85   | 265531   | 19.397  | ug/l   | 95     |
| 3) Chloromethane              | 1.75 | 50   | 223587   | 20.905  | ug/l   | 97     |
| 4) Vinyl Chloride             | 1.85 | 62   | 210140   | 19.792  | ug/l   | 100    |
| 5) Bromomethane               | 2.15 | 94   | 83674    | 16.702  | ug/l   | 98     |
| 6) Chloroethane               | 2.26 | 64   | 94599    | 19.483  | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 2.52 | 101  | 430039   | 20.649  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.88 | 74   | 61487    | 20.911  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.15 | 101  | 249071   | 20.254  | ug/l   | 95     |
| 10) Methyl Iodide             | 3.30 | 142  | 328138   | 18.859  | ug/l   | 95     |
| 11) Tert butyl alcohol        | 4.10 | 59   | 53660    | 101.915 | ug/l # | 92     |
| 12) 1,1-Dichloroethene        | 3.12 | 96   | 172512   | 18.868  | ug/l   | 88     |
| 13) Acrolein                  | 3.04 | 56   | 49318    | 95.161  | ug/l   | 88     |
| 14) Allyl chloride            | 3.62 | 41   | 282688   | 20.567  | ug/l   | 93     |
| 15) Acrylonitrile             | 4.21 | 53   | 157007   | 112.581 | ug/l   | 93     |
| 16) Acetone                   | 3.23 | 43   | 240747   | 97.918  | ug/l # | 91     |
| 17) Carbon Disulfide          | 3.37 | 76   | 585195   | 20.280  | ug/l   | 98     |
| 18) Methyl Acetate            | 3.66 | 43   | 94224    | 20.233  | ug/l # | 88     |
| 19) Methyl tert-butyl Ether   | 4.25 | 73   | 414540   | 22.671  | ug/l   | 97     |
| 20) Methylene Chloride        | 3.82 | 84   | 216117   | 20.328  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 4.22 | 96   | 216957   | 22.549  | ug/l   | 98     |
| 22) Diisopropyl ether         | 5.12 | 45   | 583474   | 20.572  | ug/l   | 94     |
| 23) Vinyl Acetate             | 5.06 | 43   | 1762242  | 106.876 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 4.99 | 63   | 385331   | 21.905  | ug/l   | 99     |
| 25) 2-Butanone                | 6.09 | 43   | 249997   | 102.953 | ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 6.03 | 77   | 358068   | 20.436  | ug/l   | 93     |
| 27) cis-1,2-Dichloroethene    | 6.05 | 96   | 223511   | 21.233  | ug/l   | 95     |
| 28) Bromochloromethane        | 6.45 | 49   | 149455   | 20.963  | ug/l   | 96     |
| 29) Tetrahydrofuran           | 6.47 | 42   | 122154   | 107.957 | ug/l   | 96     |
| 30) Chloroform                | 6.67 | 83   | 435838   | 19.933  | ug/l   | 98     |
| 31) Cyclohexane               | 6.96 | 56   | 242490   | 22.204  | ug/l   | 91     |
| 32) 1,1,1-Trichloroethane     | 6.87 | 97   | 420165   | 20.088  | ug/l   | 95     |
| 36) 1,1-Dichloropropene       | 7.16 | 75   | 289686   | 20.072  | ug/l   | 98     |
| 37) Ethyl Acetate             | 6.20 | 43   | 124789   | 20.634  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 7.12 | 117  | 422128   | 19.407  | ug/l   | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\  
 Data File : VD063574.D  
 Acq On : 14 Aug 2019 15:22  
 Operator : JC/SY  
 Sample : VD0814SBS01  
 Misc : 5.00µl/5ml/MSVOA D/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Aug 15 11:59:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 10 06:42:47 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.87  | 83   | 239573   | 19.521  | ug/l   | 93       |
| 40) Benzene                    | 7.46  | 78   | 640791   | 20.176  | ug/l   | 99       |
| 41) Methacrylonitrile          | 6.46  | 41   | 163713   | 21.500  | ug/l   | 97       |
| 42) 1,2-Dichloroethane         | 7.58  | 62   | 322661   | 20.204  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 9.25  | 43   | 171146   | 21.130  | ug/l # | 93       |
| 44) Trichloroethene            | 8.55  | 130  | 242565   | 19.981  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 8.94  | 63   | 144488   | 19.535  | ug/l   | 100      |
| 46) Dibromomethane             | 9.07  | 93   | 127685   | 20.215  | ug/l   | 96       |
| 47) Bromodichloromethane       | 9.38  | 83   | 330288   | 20.386  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.13  | 41   | 113079   | 20.586  | ug/l   | 92       |
| 49) 1,4-Dioxane                | 9.09  | 88   | 19945    | 421.290 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone       | 10.31 | 43   | 586833   | 105.881 | ug/l   | 96       |
| 52) Toluene                    | 10.52 | 92   | 411458   | 20.113  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 10.92 | 75   | 282858   | 21.392  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 10.05 | 75   | 296696   | 19.900  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 11.20 | 97   | 137261   | 19.863  | ug/l   | 97       |
| 56) Ethyl methacrylate         | 11.05 | 69   | 154764   | 20.634  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 11.41 | 76   | 214297   | 20.516  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.87  | 63   | 382985   | 96.721  | ug/l   | 100      |
| 59) 2-Hexanone                 | 11.54 | 43   | 426552   | 105.771 | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.70 | 129  | 259380   | 20.628  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.82 | 107  | 172979   | 20.678  | ug/l   | 93       |
| 64) Tetrachloroethene          | 11.27 | 164  | 211173   | 20.306  | ug/l   | 95       |
| 65) Chlorobenzene              | 12.41 | 112  | 495984   | 19.644  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 12.53 | 131  | 226797   | 20.411  | ug/l   | 96       |
| 67) Ethyl Benzene              | 12.54 | 91   | 931652   | 21.222  | ug/l   | 98       |
| 68) m/p-Xylenes                | 12.67 | 106  | 647773   | 41.999  | ug/l   | 86       |
| 69) o-Xylene                   | 13.06 | 106  | 279301   | 18.815  | ug/l   | 98       |
| 70) Styrene                    | 13.08 | 104  | 545760   | 20.669  | ug/l   | 98       |
| 71) Bromoform                  | 13.24 | 173  | 160282   | 21.037  | ug/l   | 97       |
| 73) Isopropylbenzene           | 13.41 | 105  | 940007   | 21.311  | ug/l   | 100      |
| 74) N-amyl acetate             | 13.27 | 43   | 239290   | 21.611  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 13.71 | 83   | 159479   | 21.783  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 13.74 | 75   | 167692   | 21.070  | ug/l   | 99       |
| 77) Bromobenzene               | 13.68 | 156  | 264020   | 21.902  | ug/l   | 89       |
| 78) n-propylbenzene            | 13.79 | 91   | 944055   | 18.293  | ug/l   | 98       |
| 79) 2-Chlorotoluene            | 13.84 | 91   | 604221   | 20.306  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 13.94 | 105  | 813862   | 21.118  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 13.48 | 75   | 41141    | 19.233  | ug/l # | 91       |
| 82) 4-Chlorotoluene            | 13.95 | 91   | 743147   | 20.769  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 14.20 | 119  | 862618   | 21.256  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 14.25 | 105  | 807589   | 22.648  | ug/l   | 92       |
| 85) sec-Butylbenzene           | 14.38 | 105  | 968056   | 22.462  | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 14.49 | 119  | 849771   | 20.621  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 14.46 | 146  | 439038   | 20.135  | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene        | 14.54 | 146  | 443281   | 21.189  | ug/l   | 97       |
| 89) n-Butylbenzene             | 14.80 | 91   | 778580   | 20.702  | ug/l   | 95       |
| 90) Hexachloroethane           | 15.02 | 117  | 205954   | 19.884  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 14.82 | 146  | 397166   | 21.469  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropropan | 15.39 | 75   | 29645    | 21.505  | ug/l   | 85       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081419\  
Data File : VD063574.D  
Acq On : 14 Aug 2019 15:22  
Operator : JC/SY  
Sample : VD0814SBSD01  
Misc : 5.00g/5ml/MSVOA D/SOIL  
ALS Vial : 14 Sample Multiplier: 1

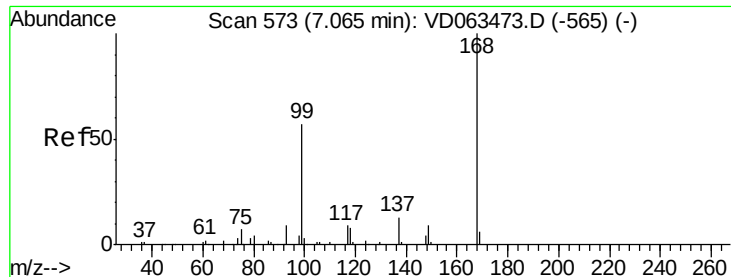
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Aug 15 11:59:28 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D080919S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 10 06:42:47 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.95 | 180  | 292986   | 21.523 | ug/l  | 92       |
| 94) Hexachlorobutadiene    | 16.04 | 225  | 210079   | 20.249 | ug/l  | 99       |
| 95) Naphthalene            | 16.13 | 128  | 457404   | 22.172 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 16.28 | 180  | 236672   | 21.526 | ug/l  | 95       |

(#) = 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: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

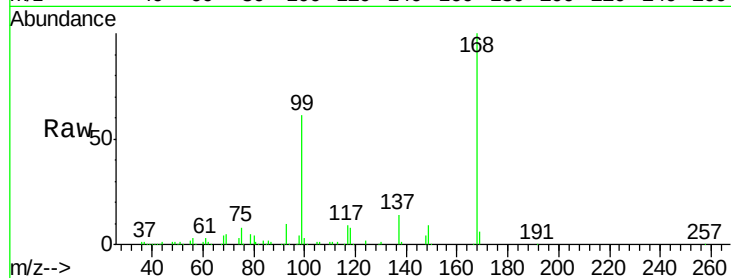
ClientSampleId :

Tot Ion:168 Resp: 1131508

Ion Ratio Lower Upper

168 100

99 61.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

400000

300000

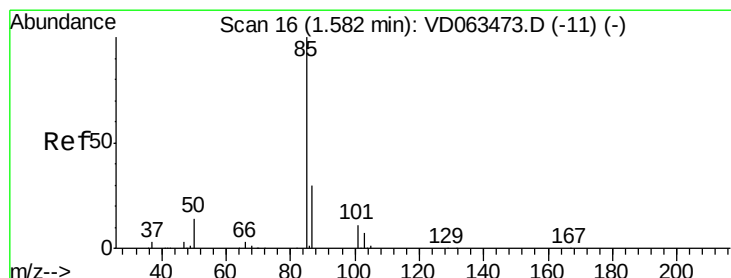
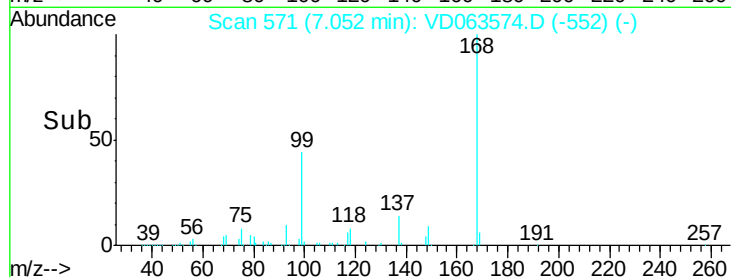
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#2

Dichlorodifluoromethane

Concen: 19.397 ug/l

RT: 1.58 min Scan# 15

Delta R.T. -0.00 min

Lab File: VD063574.D

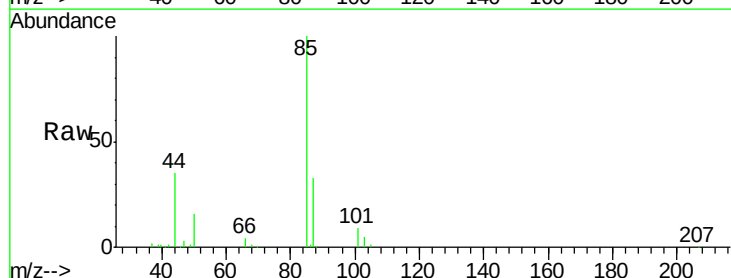
Acq: 14 Aug 2019 15:22

Tgt Ion: 85 Resp: 265531

Ion Ratio Lower Upper

85 100

87 32.5 15.0 45.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

150000

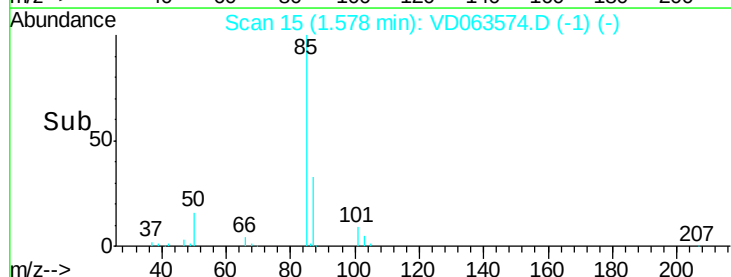
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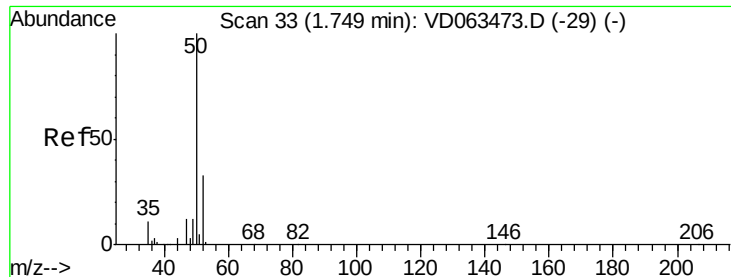
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 20.905 ug/l

RT: 1.75 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

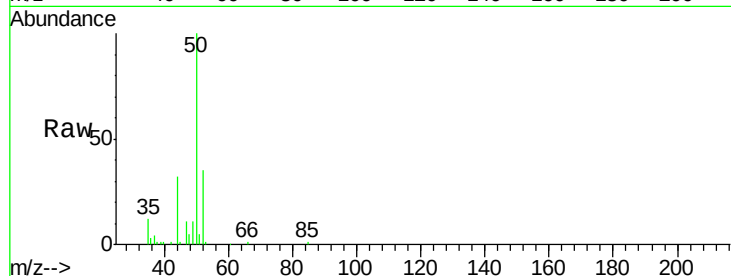
ClientSampleId :

Tot Ion: 50 Resp: 223587

Ion Ratio Lower Upper

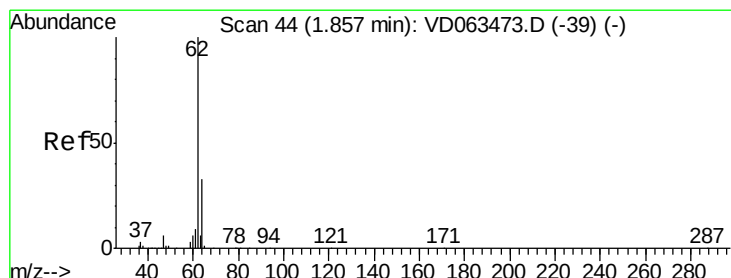
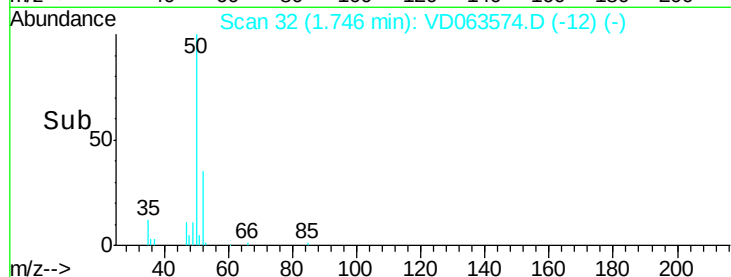
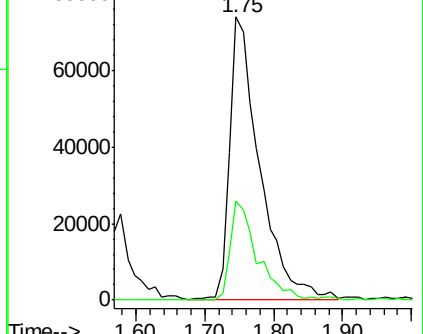
50 100

52 35.2 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.792 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD063574.D

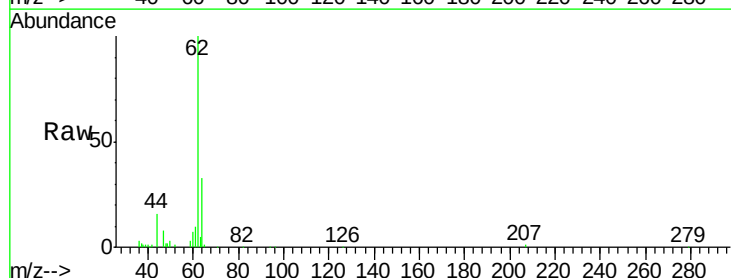
Acq: 14 Aug 2019 15:22

Tgt Ion: 62 Resp: 210140

Ion Ratio Lower Upper

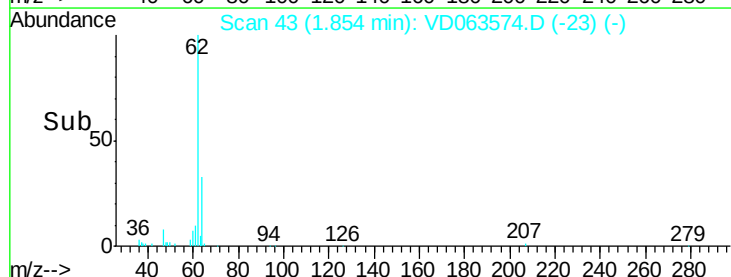
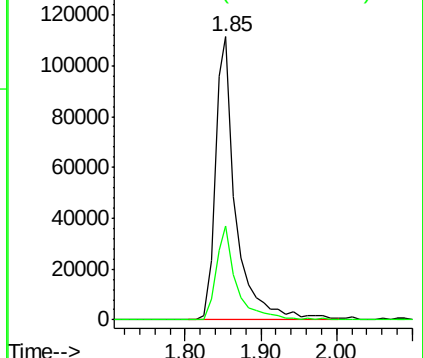
62 100

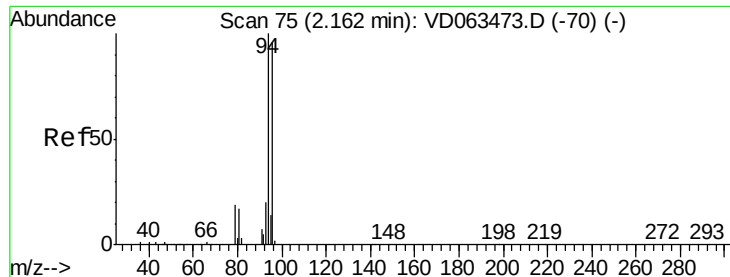
64 33.2 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.702 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :  
MSVOA\_D  
ClientSampleId :

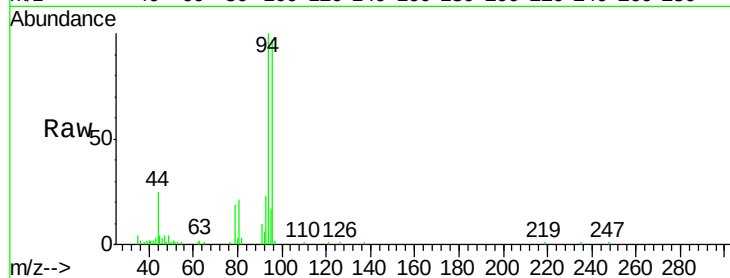
Tot Ion: 94 Resp: 83674

Ion Ratio Lower Upper

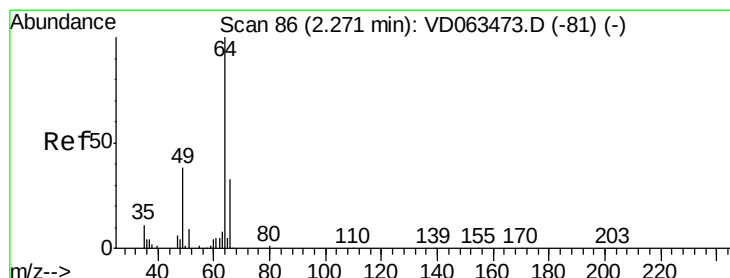
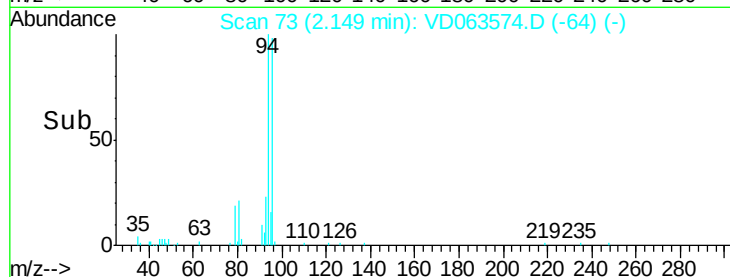
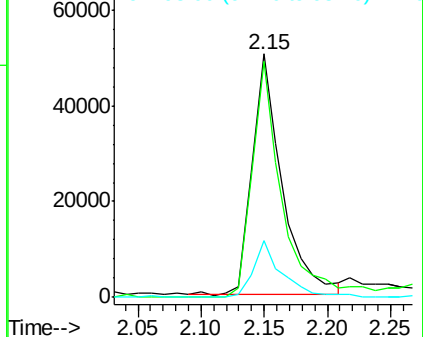
94 100

96 96.9 76.5 114.7

93 23.3 15.8 23.8



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: 19.483 ug/l

RT: 2.26 min Scan# 84

Delta R.T. -0.01 min

Lab File: VD063574.D

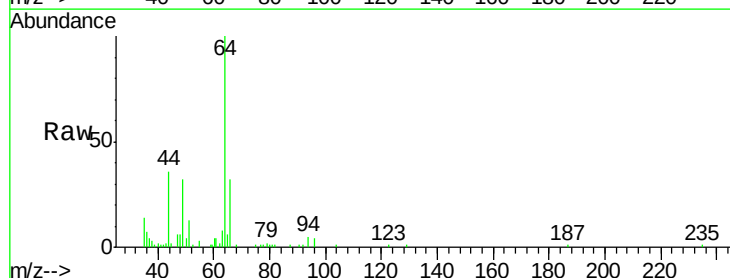
Acq: 14 Aug 2019 15:22

Tgt Ion: 64 Resp: 94599

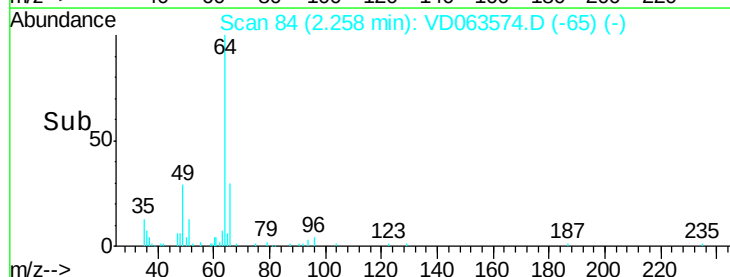
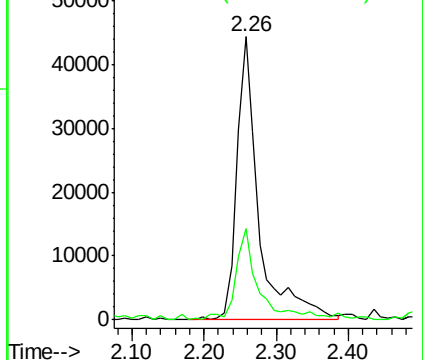
Ion Ratio Lower Upper

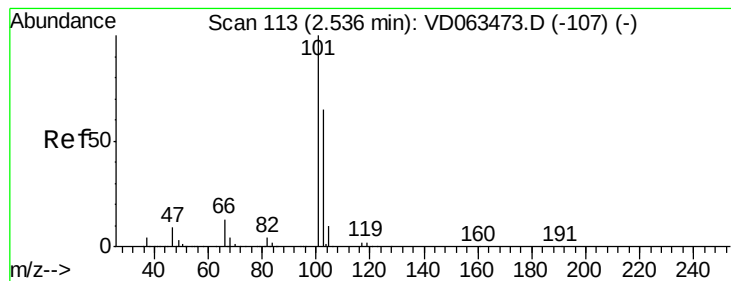
64 100

66 32.1 26.3 39.5



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



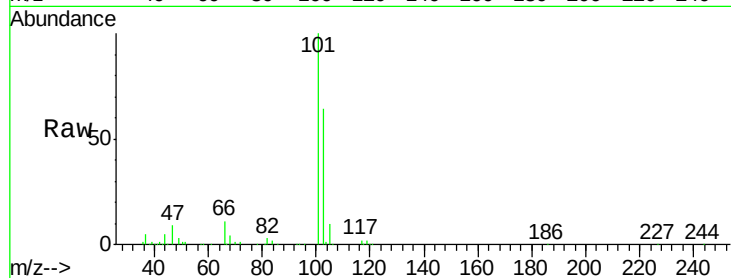


#7

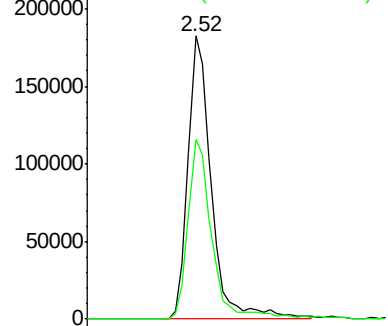
Trichlorofluoromethane  
Concen: 20.649 ug/l  
RT: 2.52 min Scan# 111  
Delta R.T. -0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Instrument :  
MSVOA\_D  
ClientSampleId :

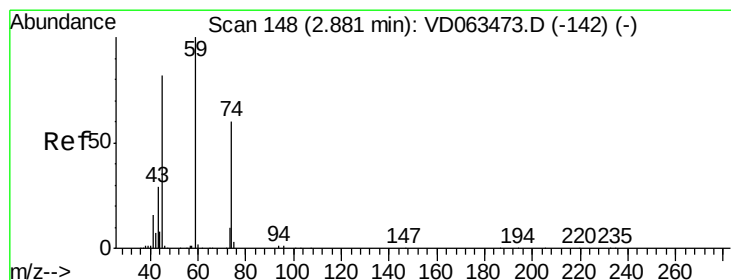
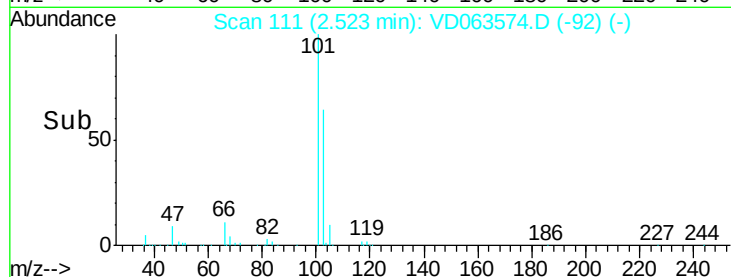
Tot Ion:101 Resp: 430039  
Ion Ratio Lower Upper  
101 100  
103 63.6 52.2 78.4



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



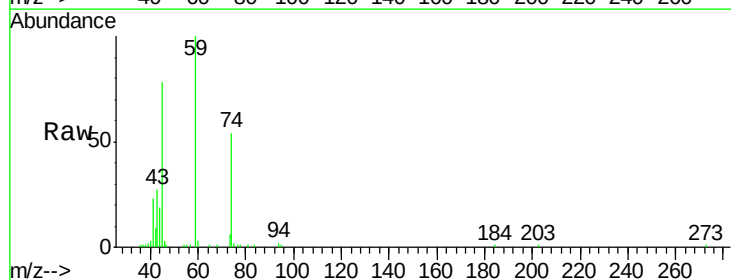
Time-->



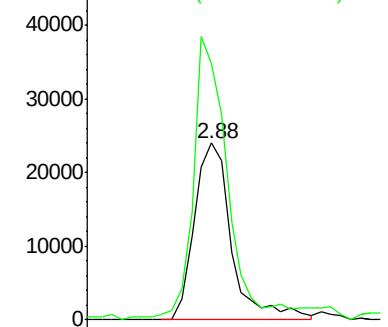
#8

Diethyl Ether  
Concen: 20.911 ug/l  
RT: 2.88 min Scan# 147  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

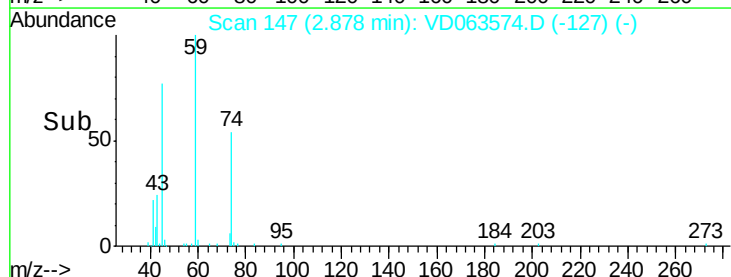
Tgt Ion: 74 Resp: 61487  
Ion Ratio Lower Upper  
74 100  
45 145.1 68.5 205.5



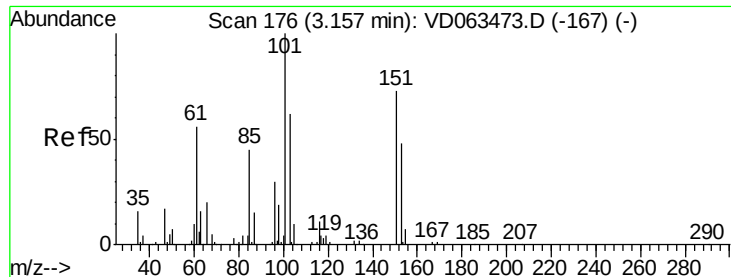
Abundance Ion 74.00 (73.70 to 74.70): VDC  
Ion 45.05 (44.75 to 45.75): VDC



Time-->







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.254 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleId :

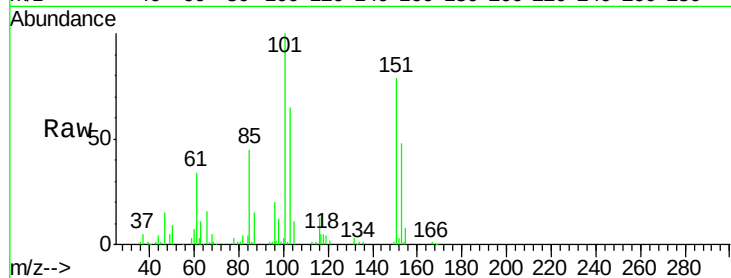
Tot Ion:101 Resp: 249071

Ion Ratio Lower Upper

101 100

85 45.5 35.8 53.6

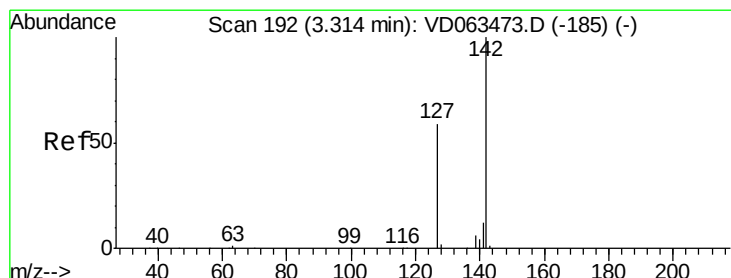
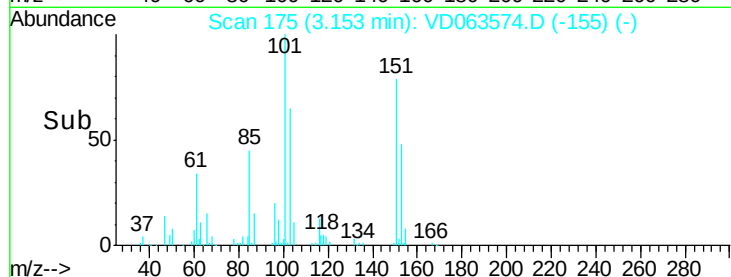
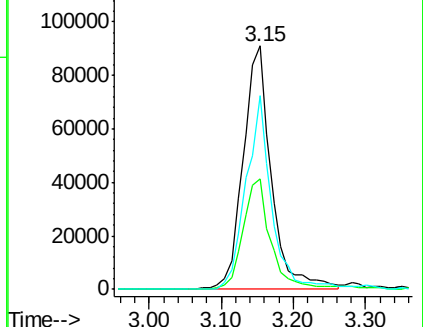
151 79.5 58.6 88.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.859 ug/l

RT: 3.30 min Scan# 190

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

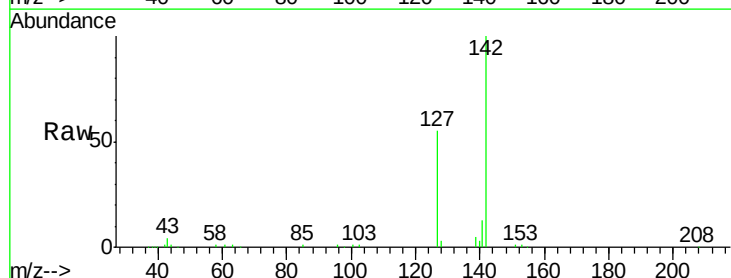
Tgt Ion:142 Resp: 328138

Ion Ratio Lower Upper

142 100

127 54.6 47.2 70.8

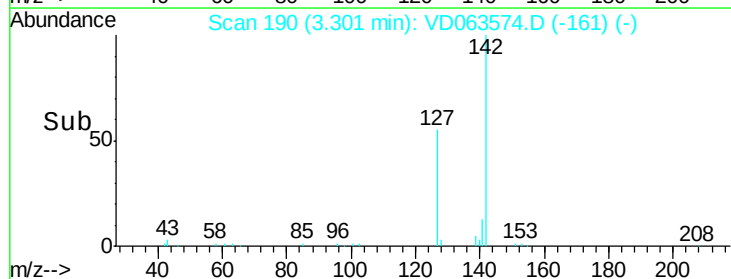
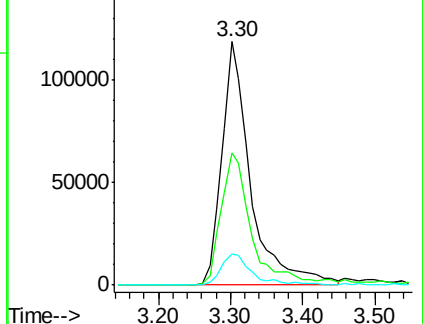
141 12.7 9.8 14.8

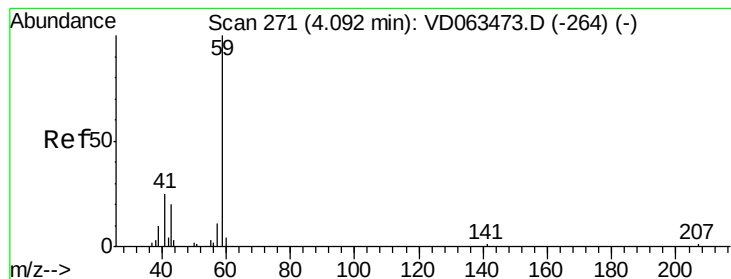


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



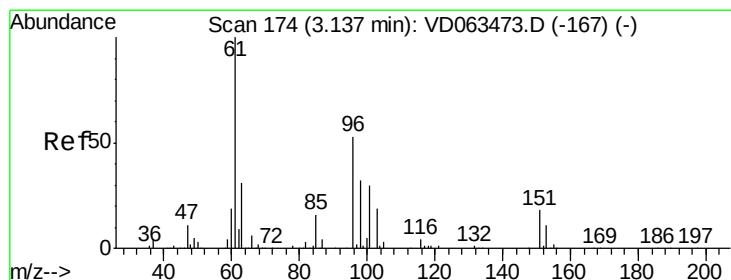
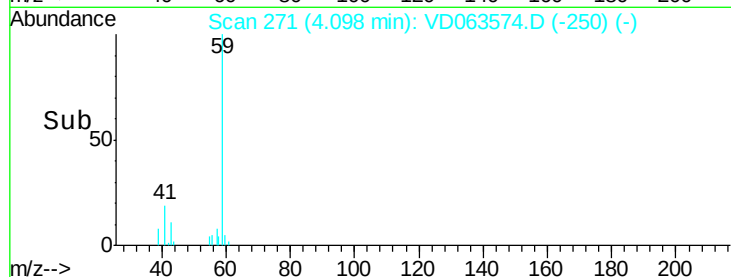
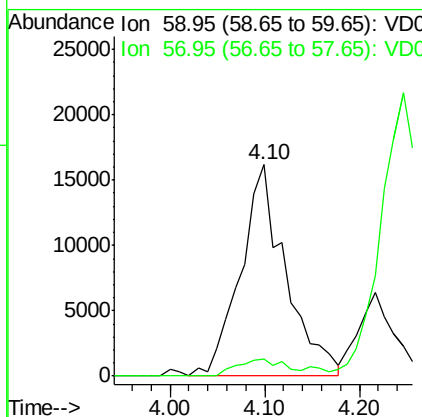
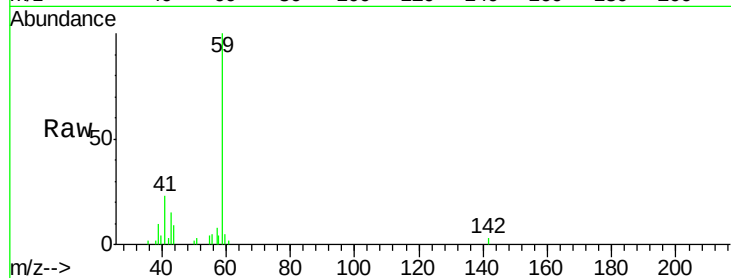


#11

Tert butyl alcohol  
 Concen: 101.915 ug/l  
 RT: 4.10 min Scan# 271  
 Delta R.T. 0.01 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Instrument :  
 MSVOA\_D  
 ClientSampled :

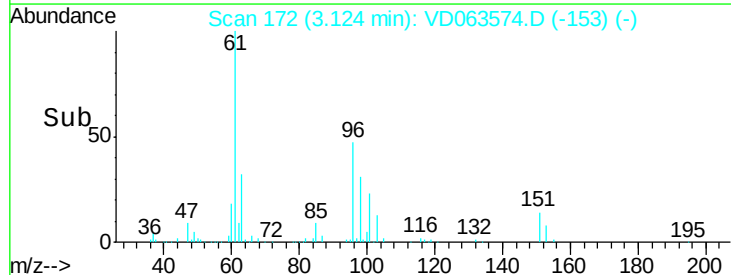
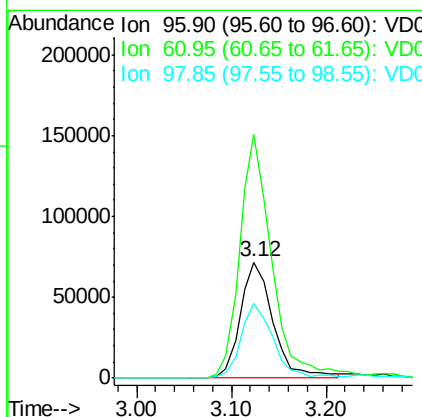
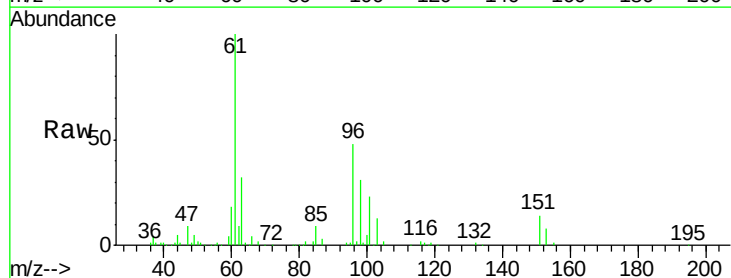
Tot Ion: 59 Resp: 53660  
 Ion Ratio Lower Upper  
 59 100  
 57 8.0 8.7 13.1#

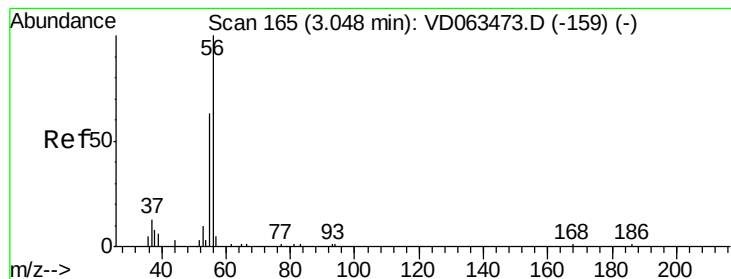


#12

1,1-Dichloroethene  
 Concen: 18.868 ug/l  
 RT: 3.12 min Scan# 172  
 Delta R.T. -0.01 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Tgt Ion: 96 Resp: 172512  
 Ion Ratio Lower Upper  
 96 100  
 61 210.5 151.7 227.5  
 98 64.6 48.4 72.6





#13

Acrolein

Concen: 95.161 ug/l

RT: 3.04 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

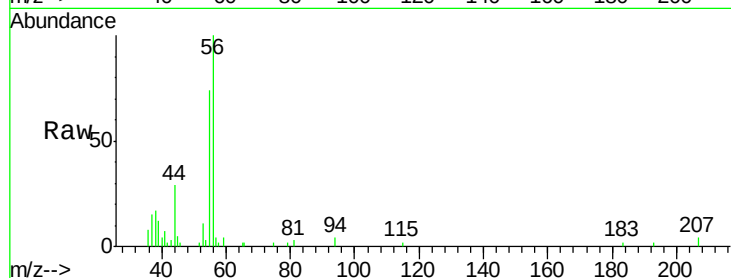
ClientSampleId :

Tot Ion: 56 Resp: 49318

Ion Ratio Lower Upper

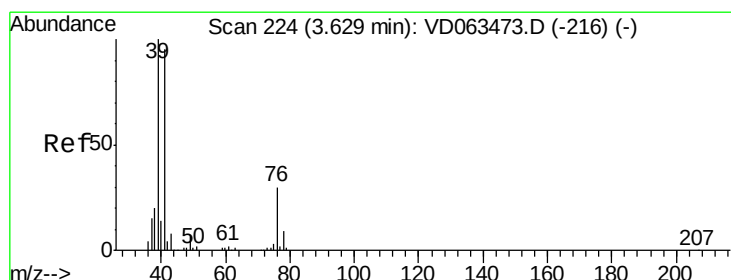
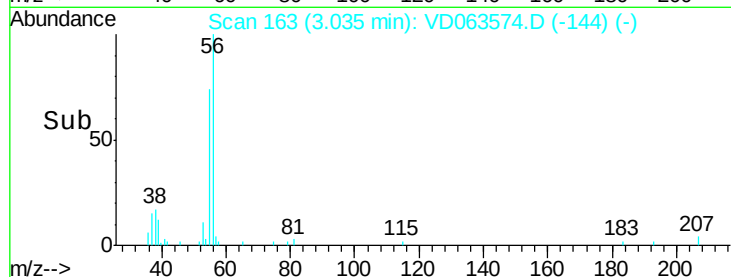
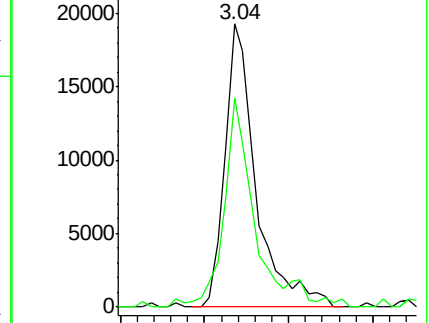
56 100

55 73.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.567 ug/l

RT: 3.62 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

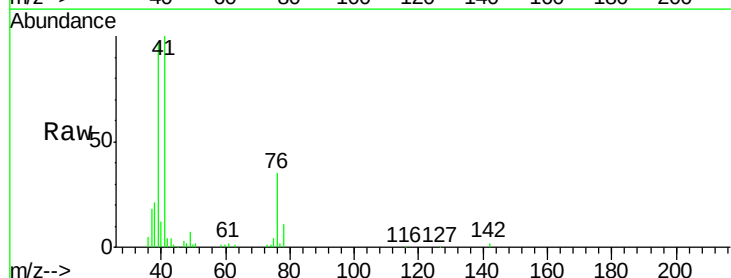
Tgt Ion: 41 Resp: 282688

Ion Ratio Lower Upper

41 100

39 97.2 84.2 126.4

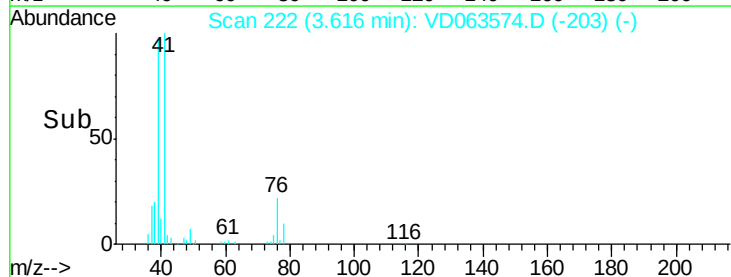
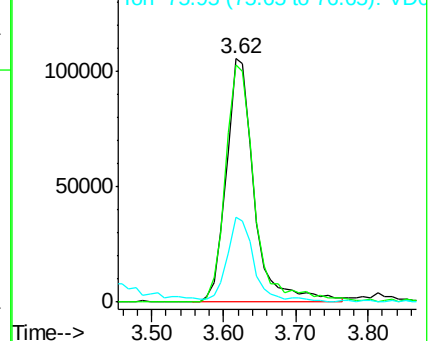
76 34.7 26.0 39.0

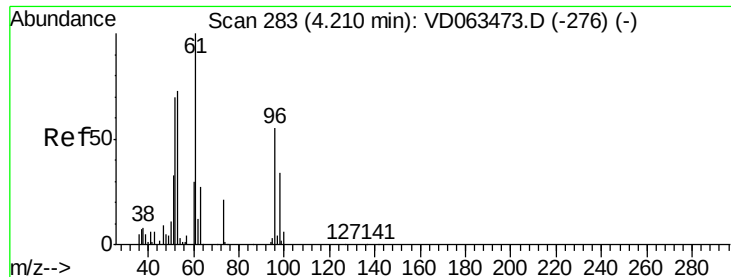


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 112.581 ug/l

RT: 4.21 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :  
MSVOA\_D  
ClientSampleId :

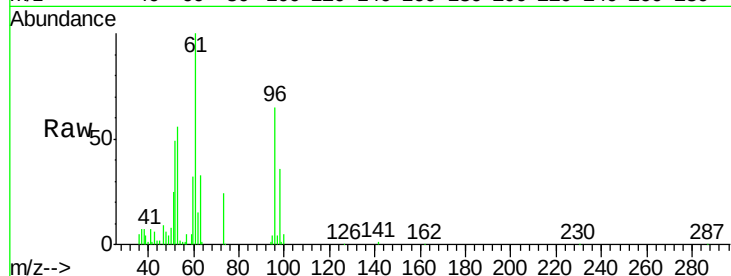
Tot Ion: 53 Resp: 157007

Ion Ratio Lower Upper

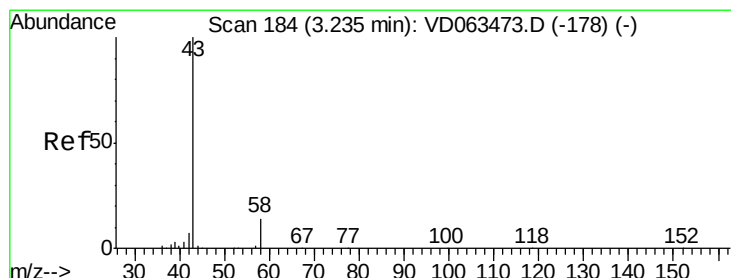
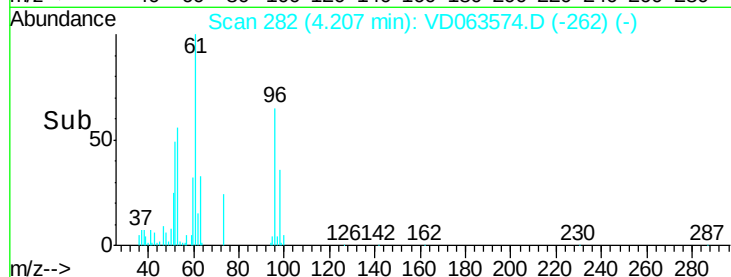
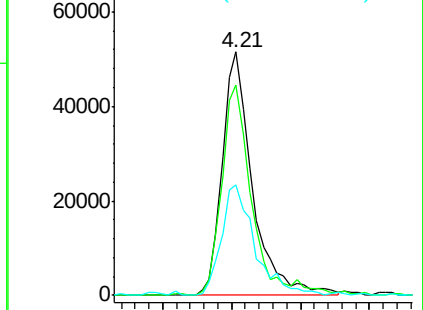
53 100

52 86.4 77.4 116.0

51 45.3 36.7 55.1



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: 97.918 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD063574.D

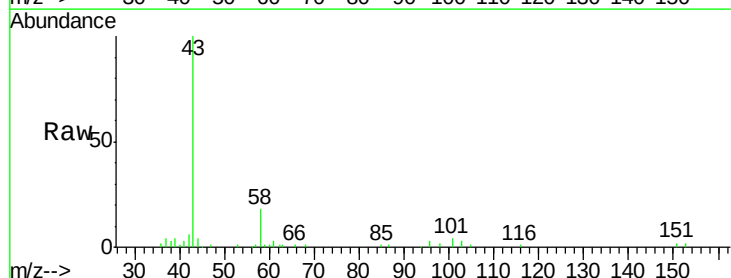
Acq: 14 Aug 2019 15:22

Tgt Ion: 43 Resp: 240747

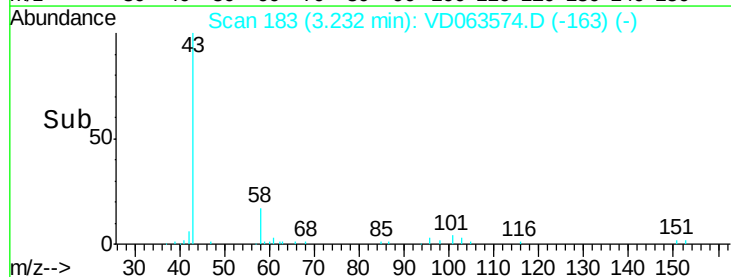
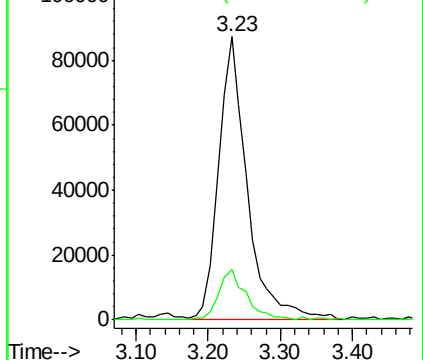
Ion Ratio Lower Upper

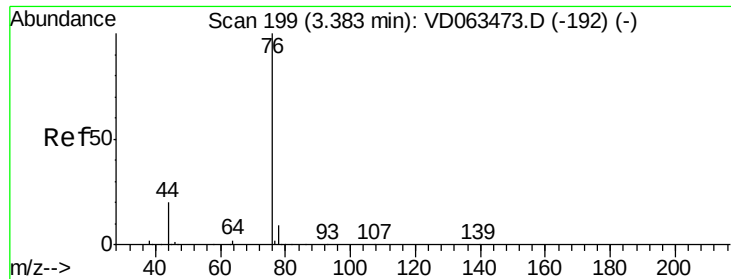
43 100

58 17.8 11.4 17.2#



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

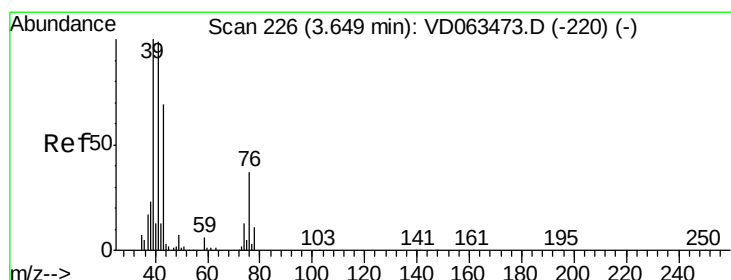
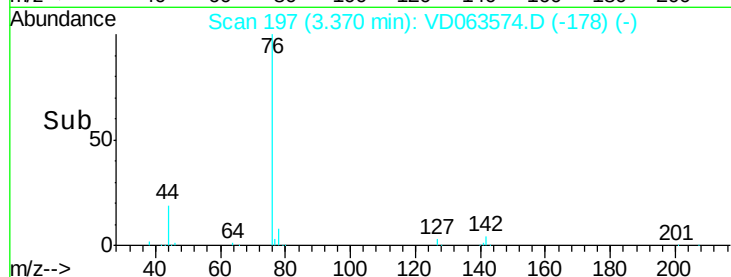
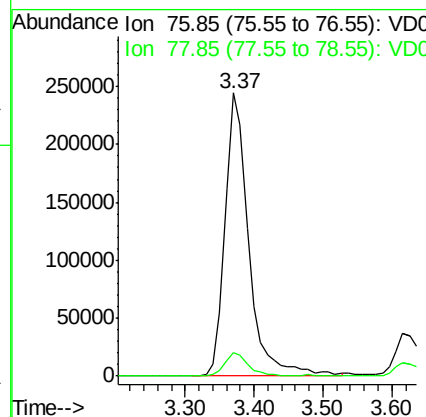
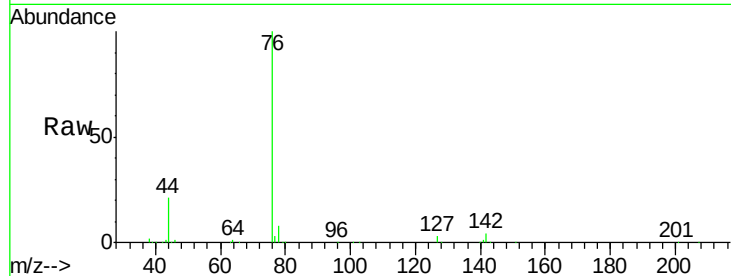




#17  
Carbon Disulfide  
Concen: 20.280 ug/l  
RT: 3.37 min Scan# 197  
Delta R.T. -0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

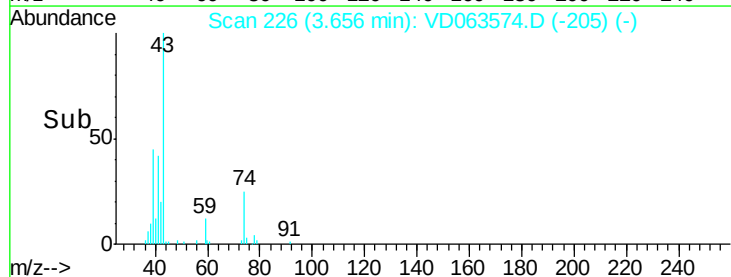
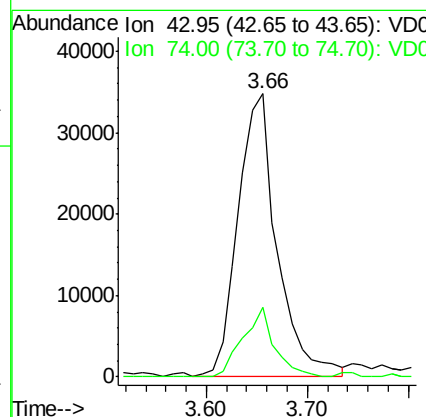
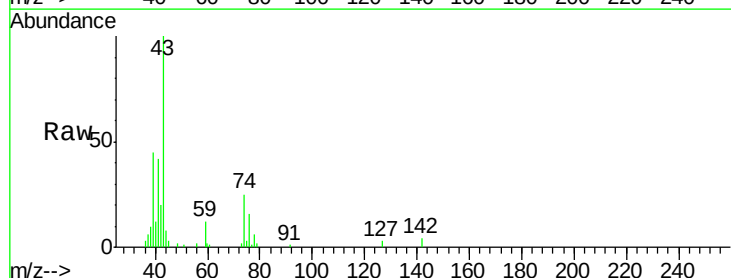
Instrument :  
MSVOA\_D  
ClientSampled :

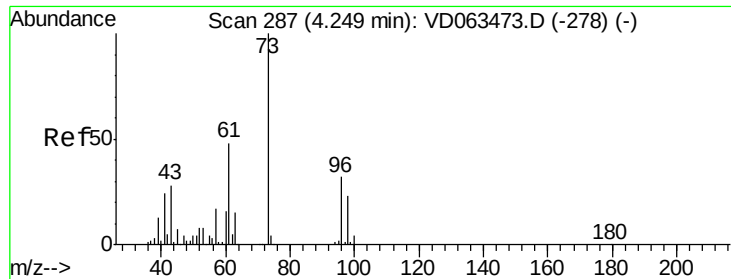
Tot Ion: 76 Resp: 585195  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.4 11.0



#18  
Methyl Acetate  
Concen: 20.233 ug/l  
RT: 3.66 min Scan# 226  
Delta R.T. 0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion: 43 Resp: 94224  
Ion Ratio Lower Upper  
43 100  
74 24.7 15.4 23.2#

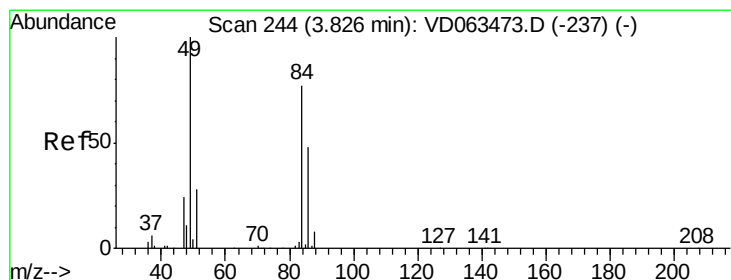
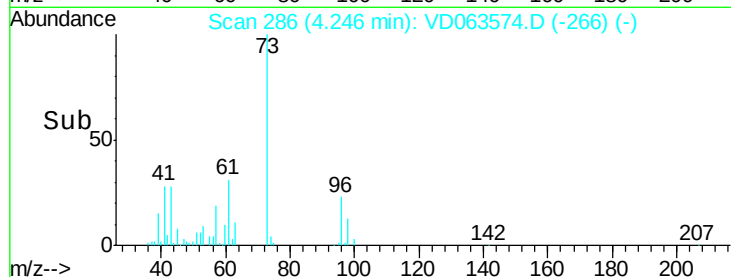
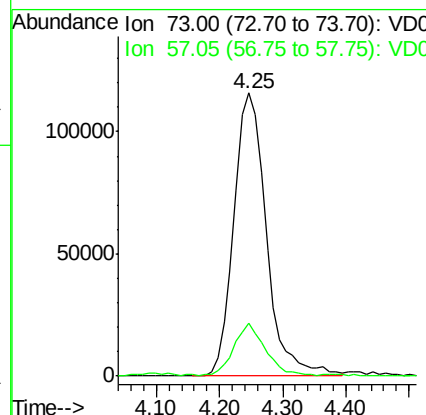
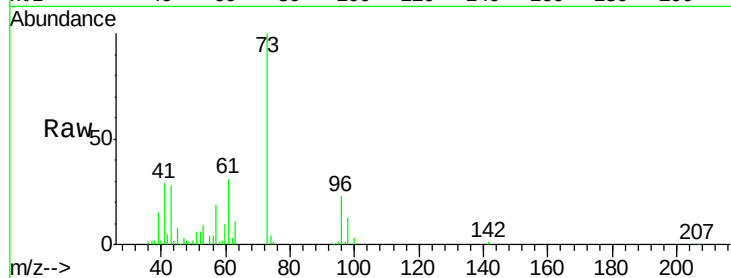




#19  
Methyl tert-butyl Ether  
Concen: 22.671 ug/l  
RT: 4.25 min Scan# 286  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

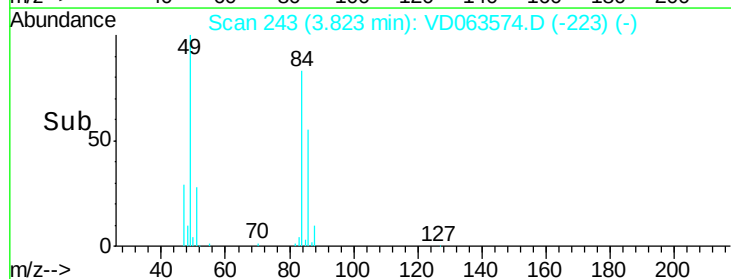
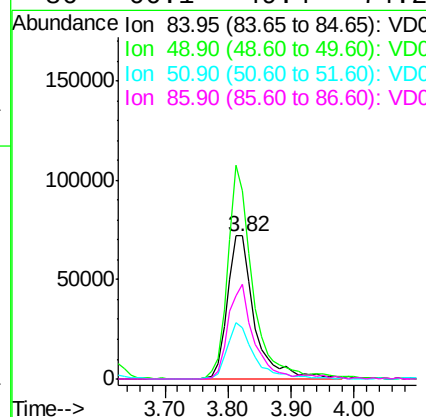
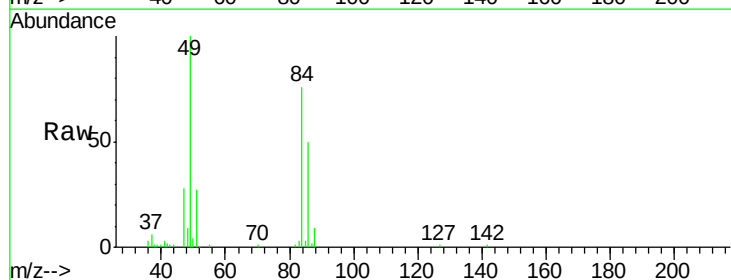
Instrument :  
MSVOA\_D  
ClientSampleId :

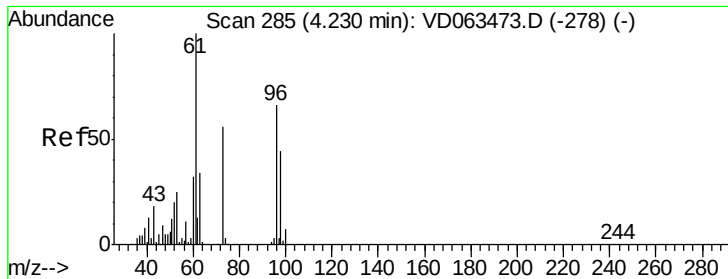
Tot Ion: 73 Resp: 414540  
Ion Ratio Lower Upper  
73 100  
57 18.7 14.0 21.0



#20  
Methylene Chloride  
Concen: 20.328 ug/l  
RT: 3.82 min Scan# 243  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion: 84 Resp: 216117  
Ion Ratio Lower Upper  
84 100  
49 131.1 103.4 155.2  
51 36.0 28.5 42.7  
86 66.1 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.549 ug/l

RT: 4.22 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampled :

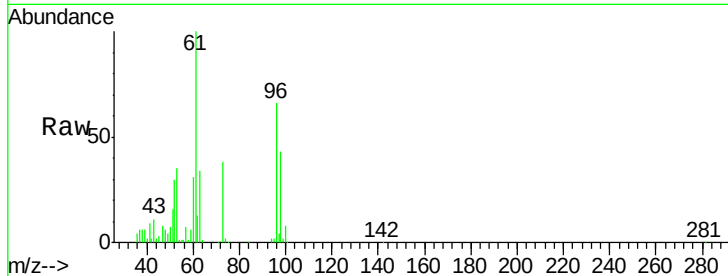
Tot Ion: 96 Resp: 216957

Ion Ratio Lower Upper

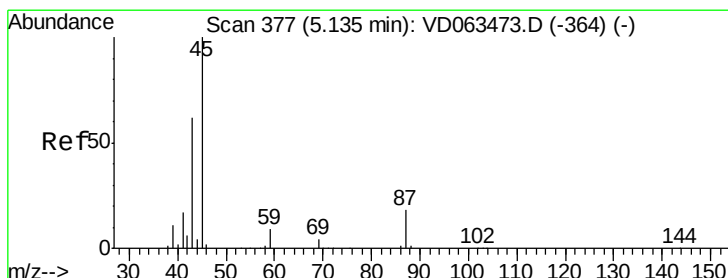
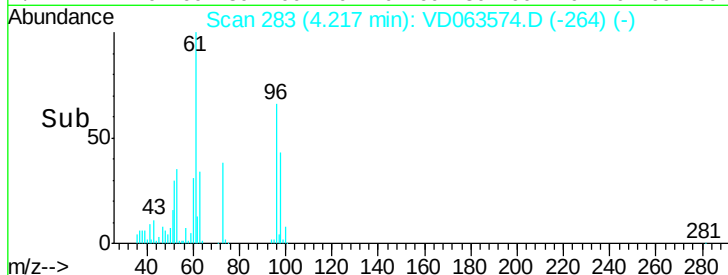
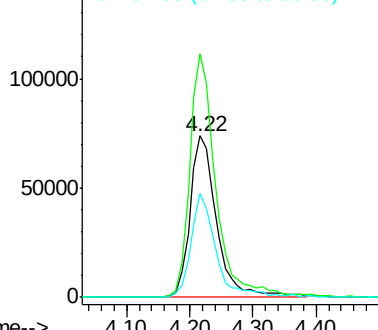
96 100

61 150.7 121.7 182.5

98 64.3 54.2 81.2



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



#22

Diisopropyl ether

Concen: 20.572 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Tgt Ion: 45 Resp: 583474

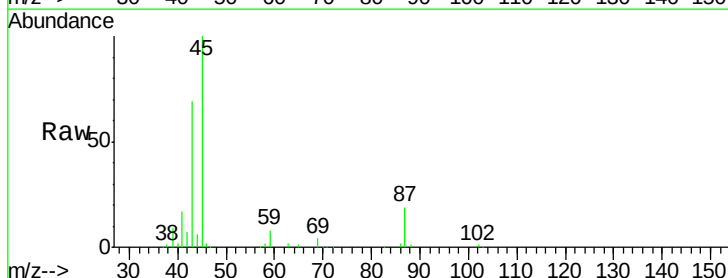
Ion Ratio Lower Upper

45 100

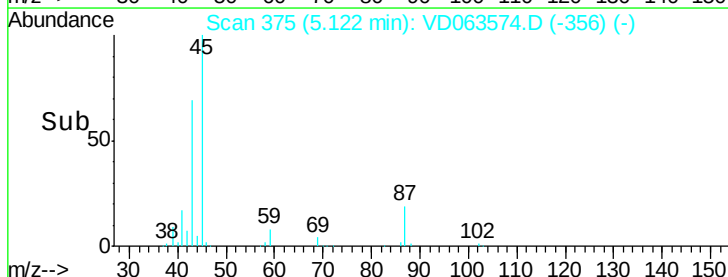
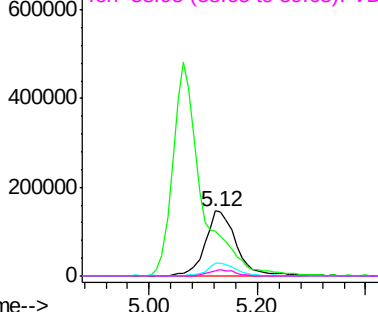
43 69.0 50.3 75.5

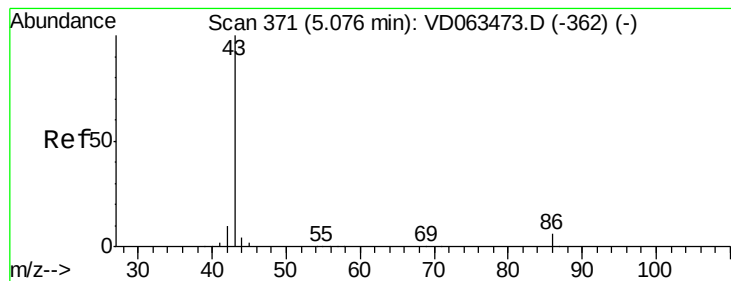
87 19.0 14.3 21.5

59 7.9 7.7 11.5



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





#23

Vinyl Acetate

Concen: 106.876 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

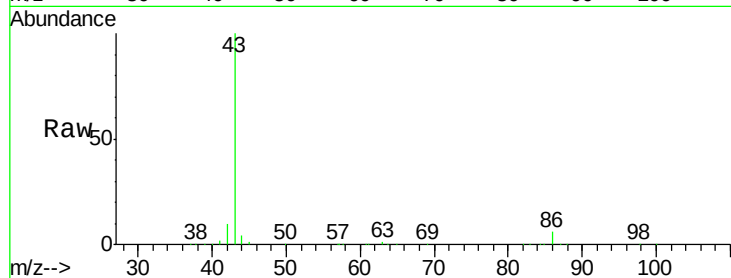
ClientSampled :

Tot Ion: 43 Resp: 1762242

Ion Ratio Lower Upper

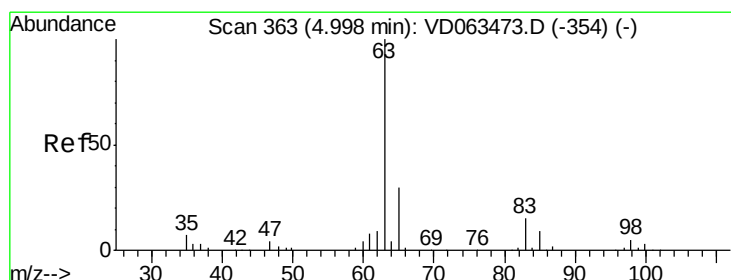
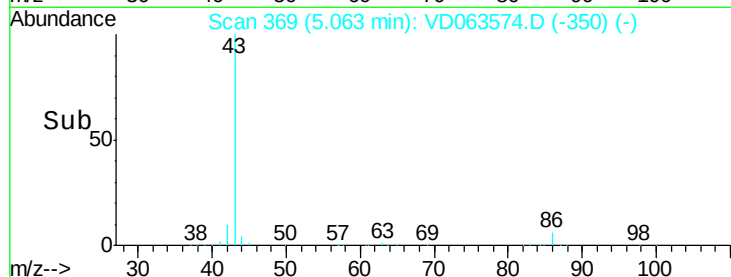
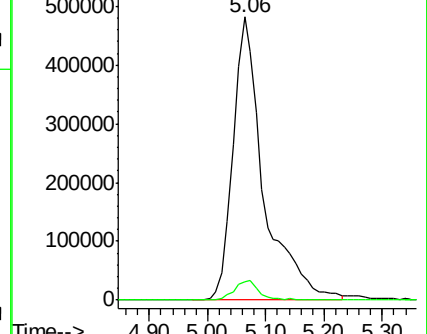
43 100

86 6.3 4.8 7.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.905 ug/l

RT: 4.99 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

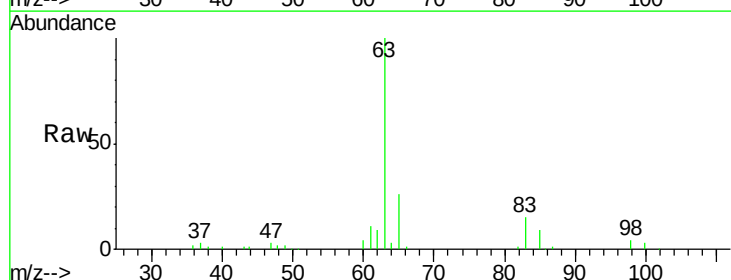
Tgt Ion: 63 Resp: 385331

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.2

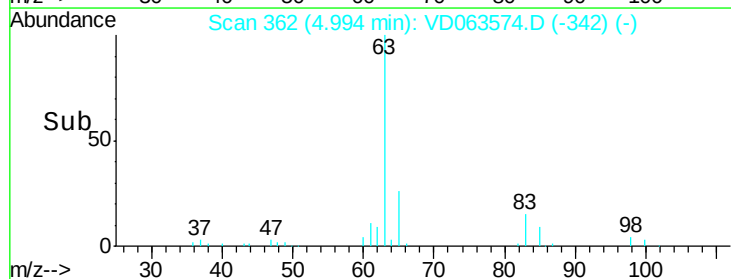
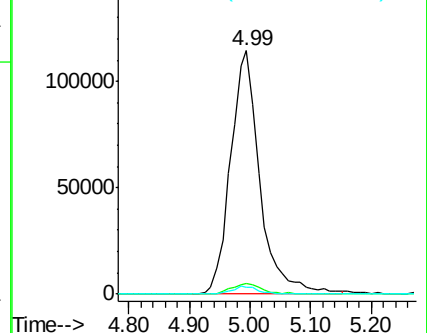
100 2.8 1.3 3.8



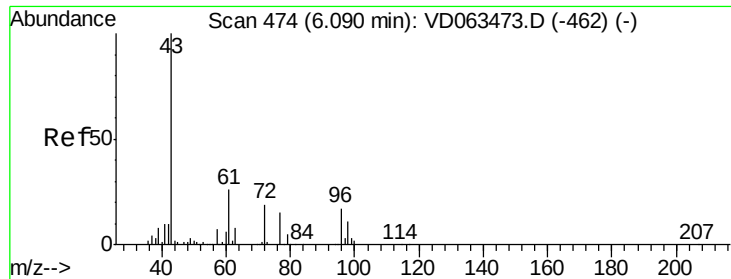
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC







#25

2-Butanone

Concen: 102.953 ug/l

RT: 6.09 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

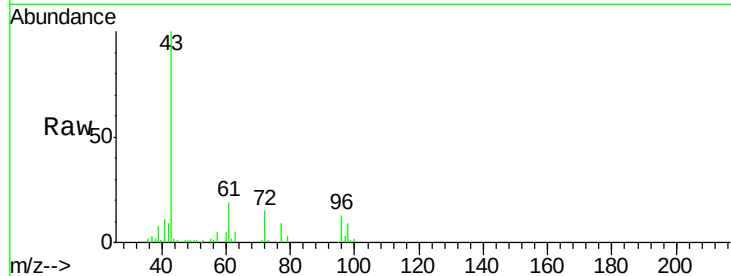
ClientSampleId :

Tot Ion: 43 Resp: 249997

Ion Ratio Lower Upper

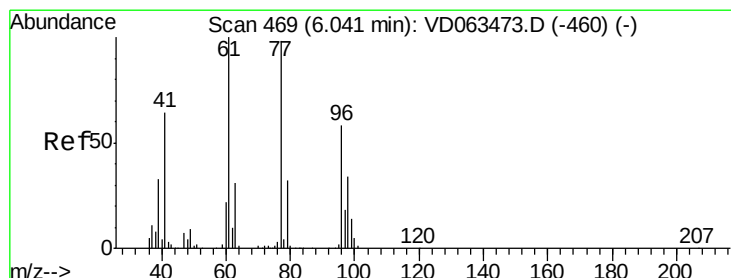
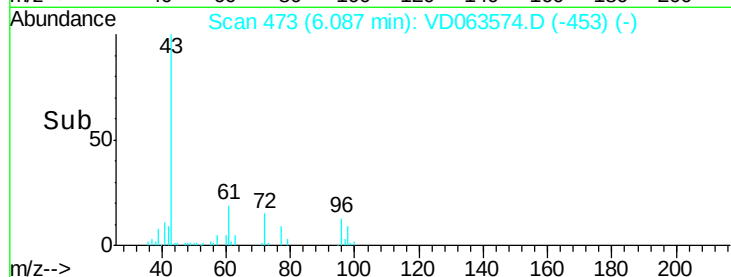
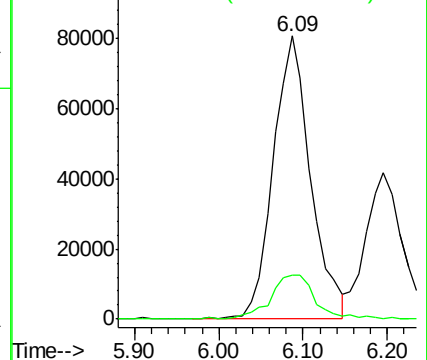
43 100

72 15.4 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.436 ug/l

RT: 6.03 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD063574.D

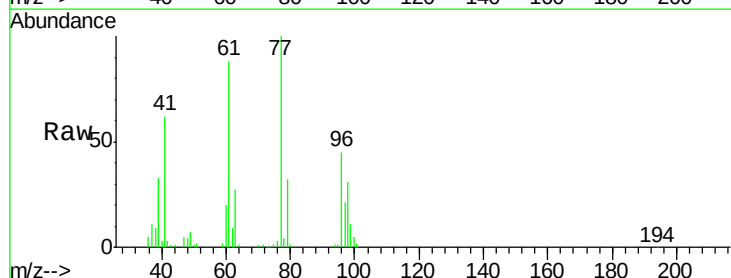
Acq: 14 Aug 2019 15:22

Tgt Ion: 77 Resp: 358068

Ion Ratio Lower Upper

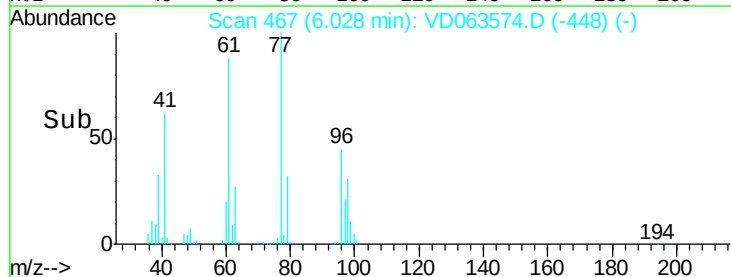
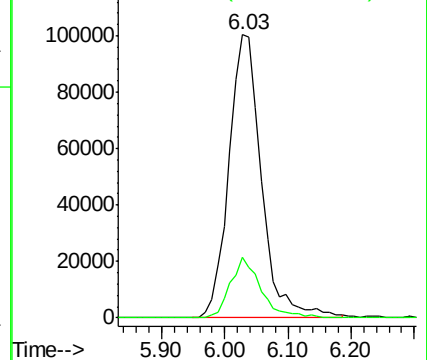
77 100

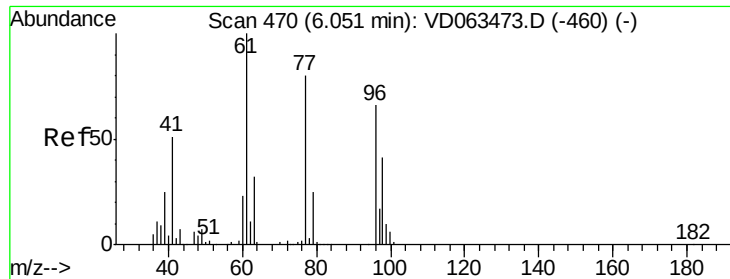
97 21.3 9.0 27.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



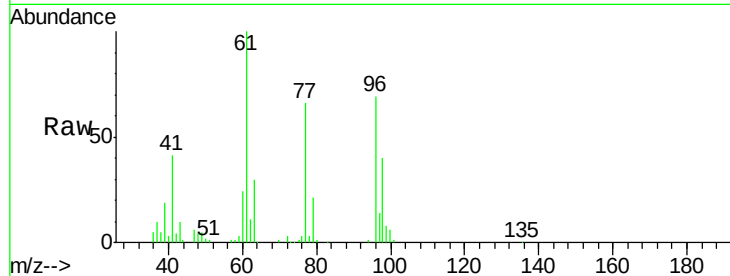


#27

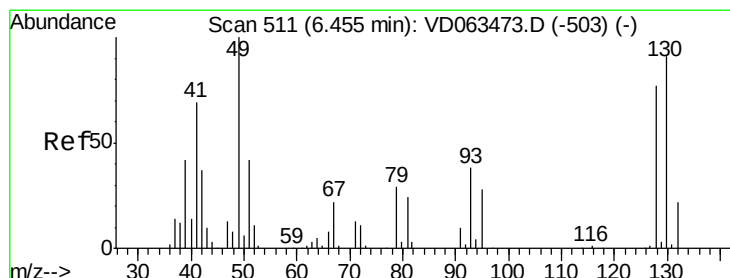
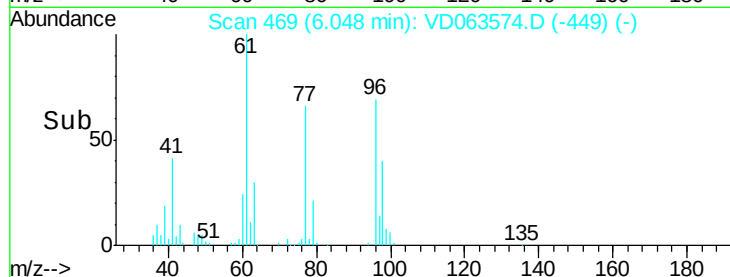
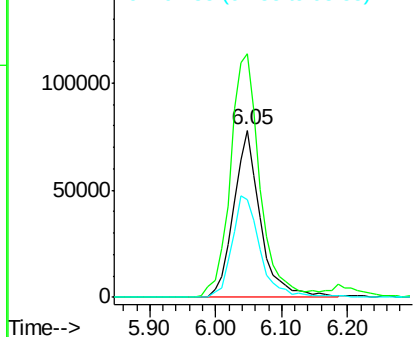
cis-1,2-Dichloroethene  
Concen: 21.233 ug/l  
RT: 6.05 min Scan# 469  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Instrument :  
MSVOA\_D  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 145.5 | 0.0   | 304.0 |
| 98      | 58.7  | 0.0   | 124.8 |



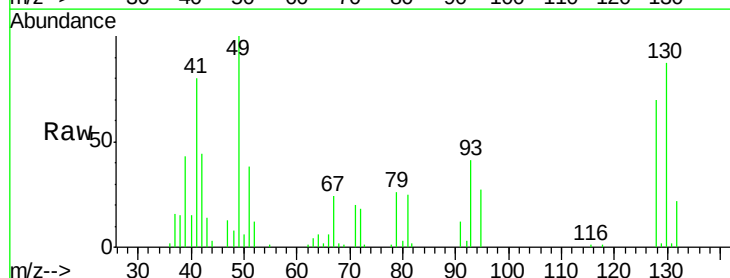
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC



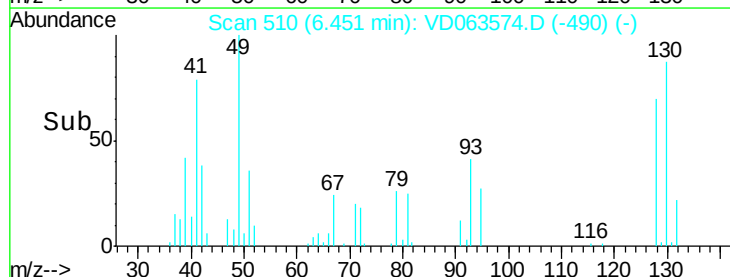
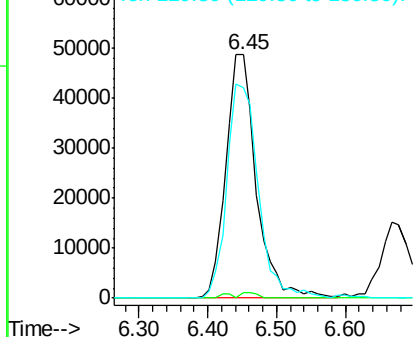
#28

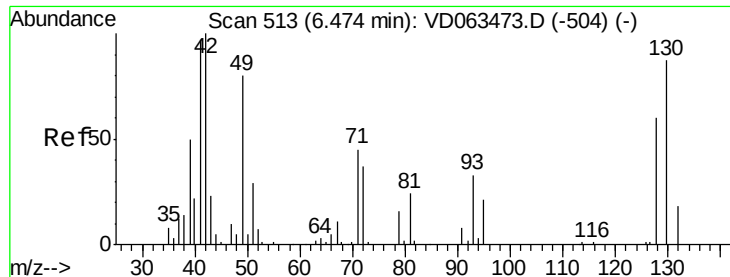
Bromochloromethane  
Concen: 20.963 ug/l  
RT: 6.45 min Scan# 510  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.0   | 0.0   | 6.4   |
| 130     | 86.6  | 72.4  | 108.6 |



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





#29

Tetrahydrofuran

Concen: 107.957 ug/l

RT: 6.47 min Scan# 512

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleId :

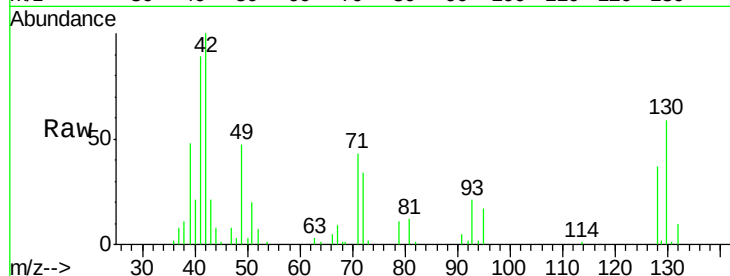
Tot Ion: 42 Resp: 122154

Ion Ratio Lower Upper

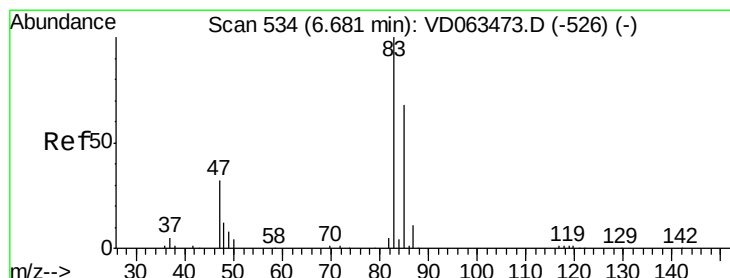
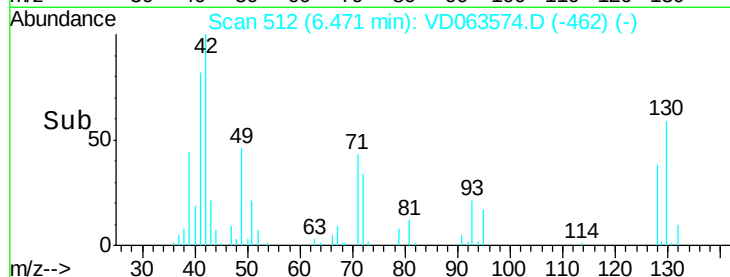
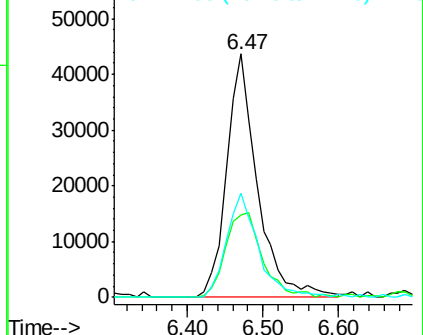
42 100

72 42.2 31.5 47.3

71 44.6 33.8 50.8



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: 19.933 ug/l

RT: 6.67 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD063574.D

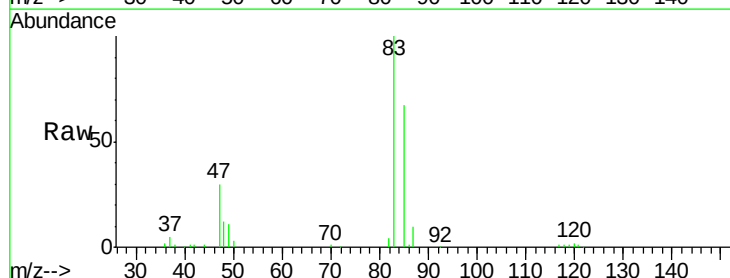
Acq: 14 Aug 2019 15:22

Tgt Ion: 83 Resp: 435838

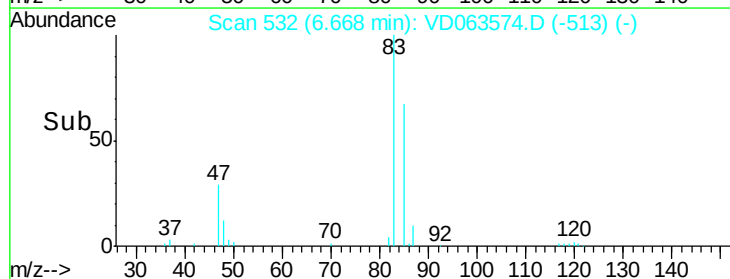
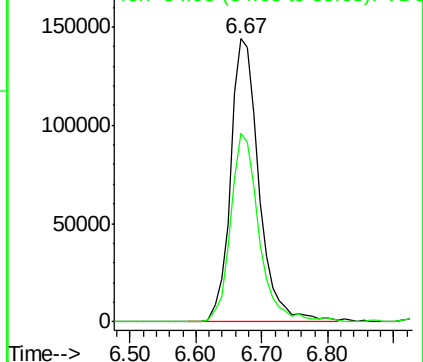
Ion Ratio Lower Upper

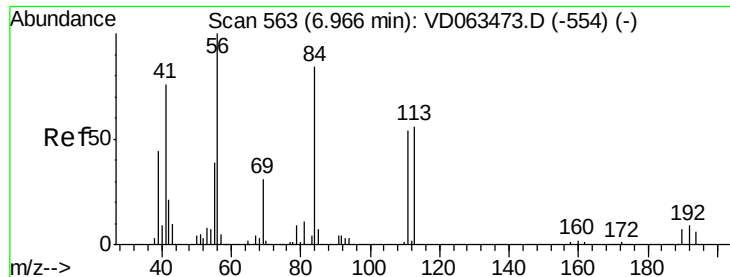
83 100

85 66.6 54.8 82.2



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

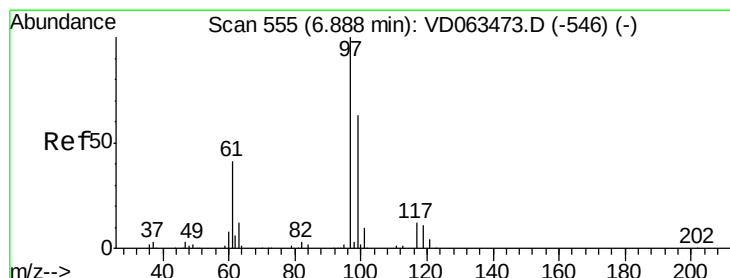
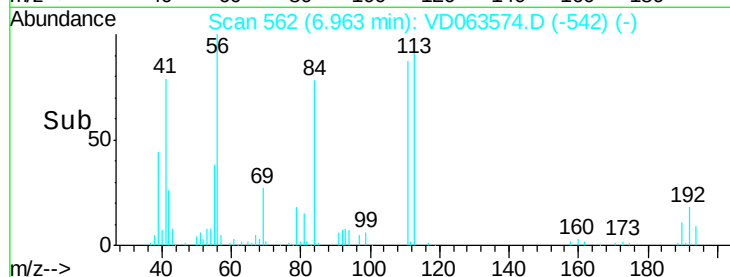
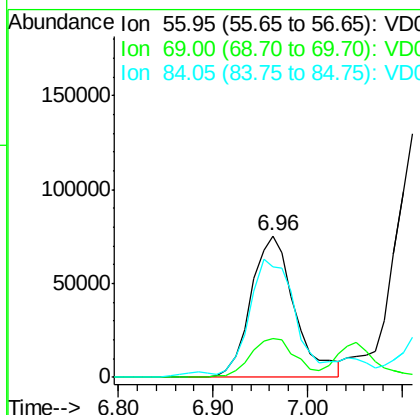
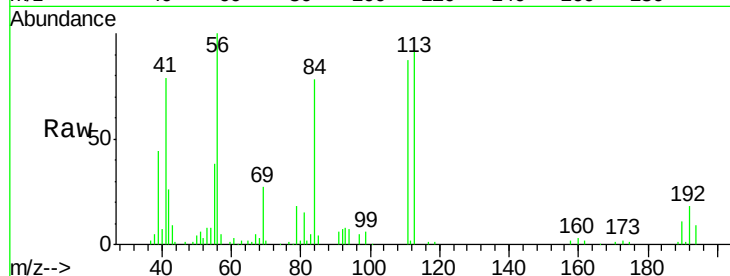




#31  
Cyclohexane  
Concen: 22.204 ug/l  
RT: 6.96 min Scan# 562  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

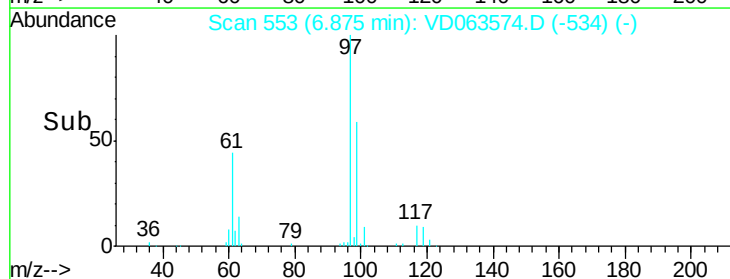
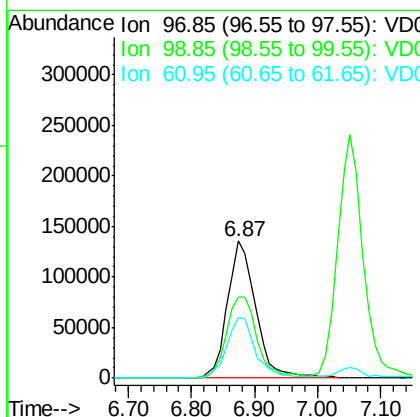
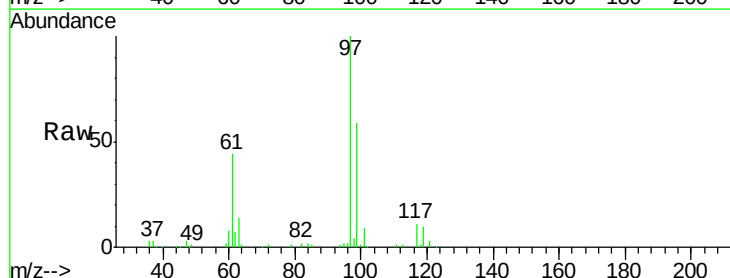
Instrument :  
MSVOA\_D  
ClientSampleId :

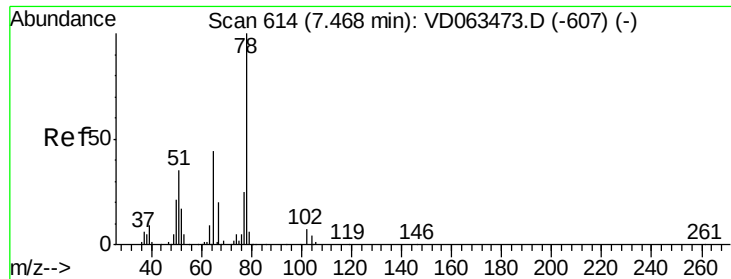
Tot Ion: 56 Resp: 242490  
Ion Ratio Lower Upper  
56 100  
69 27.3 25.0 37.6  
84 78.1 69.7 104.5



#32  
1,1,1-Trichloroethane  
Concen: 20.088 ug/l  
RT: 6.87 min Scan# 553  
Delta R.T. -0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion: 97 Resp: 420165  
Ion Ratio Lower Upper  
97 100  
99 59.0 50.2 75.4  
61 44.0 33.1 49.7

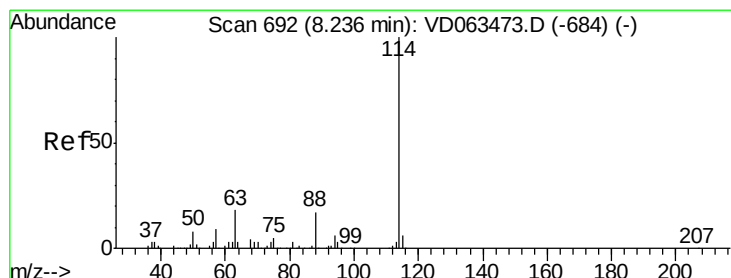
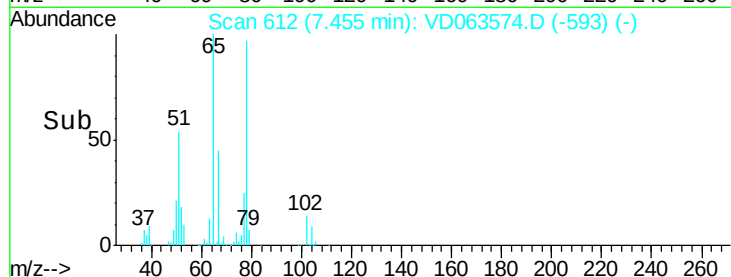
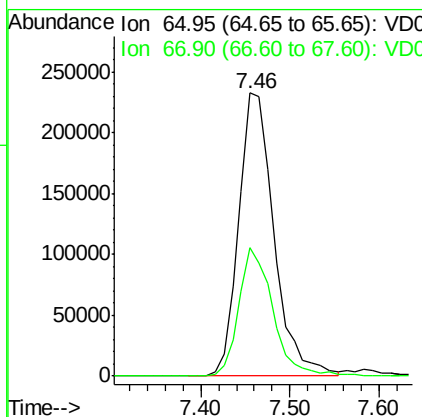
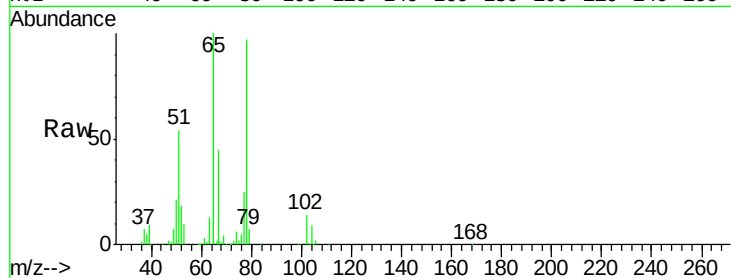




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.955 ug/l  
 RT: 7.46 min Scan# 612  
 Delta R.T. -0.01 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

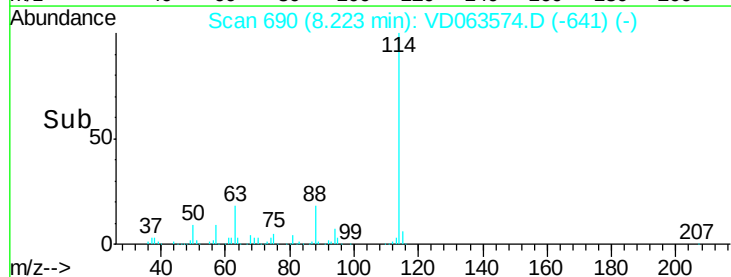
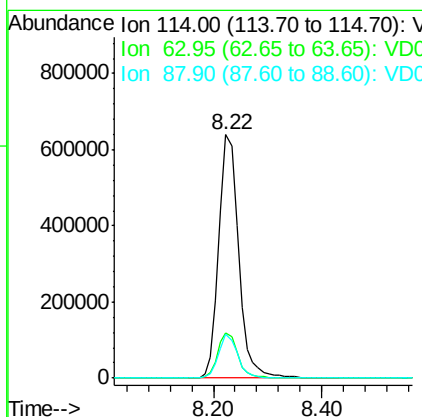
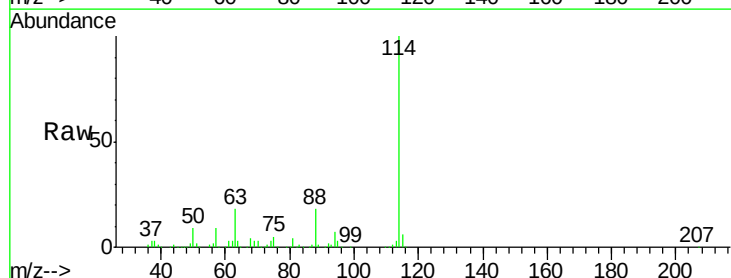
Instrument :  
 MSVOA\_D  
 ClientSampled :

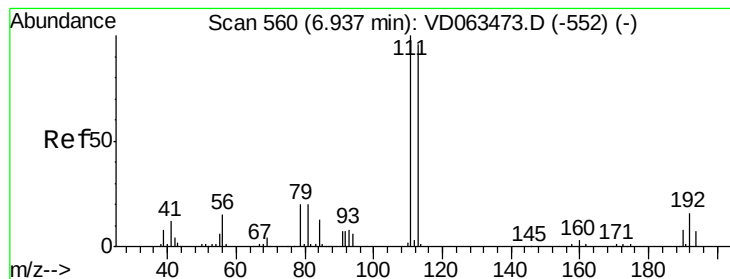
Tot Ion: 65 Resp: 640482  
 Ion Ratio Lower Upper  
 65 100  
 67 45.2 0.0 89.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.22 min Scan# 690  
 Delta R.T. -0.01 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Tgt Ion: 114 Resp: 1632584  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 36.2  
 88 18.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 51.818 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleId :

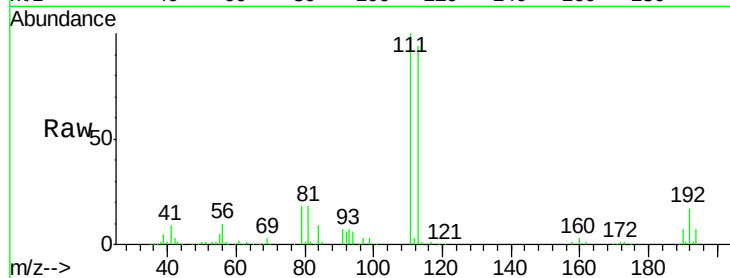
Tot Ion:113 Resp: 712482

Ion Ratio Lower Upper

113 100

111 106.8 83.1 124.7

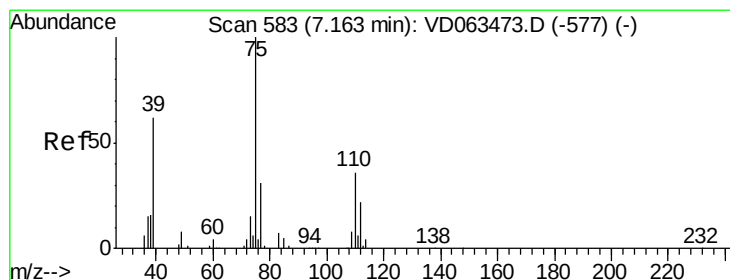
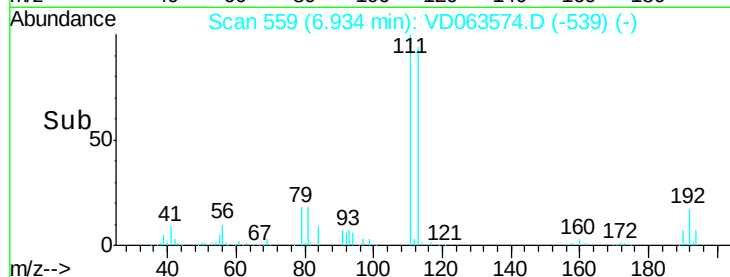
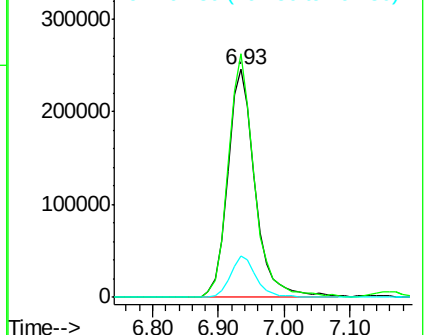
192 18.1 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.072 ug/l

RT: 7.16 min Scan# 582

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

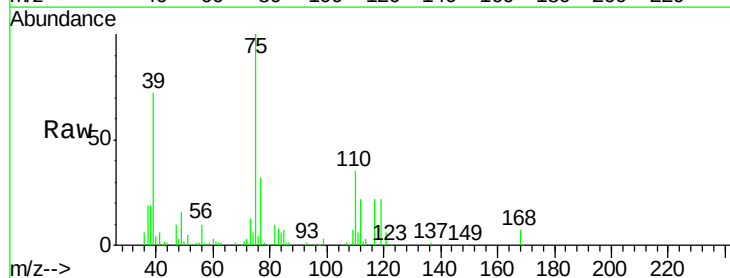
Tgt Ion: 75 Resp: 289686

Ion Ratio Lower Upper

75 100

110 34.6 17.6 52.8

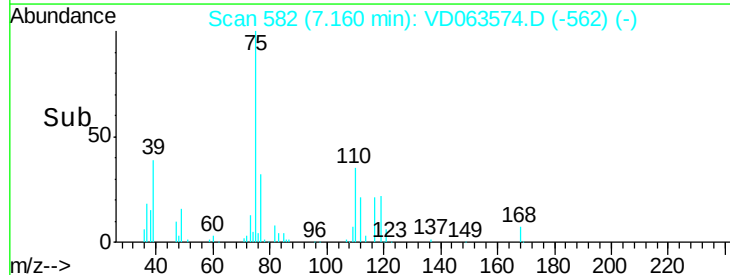
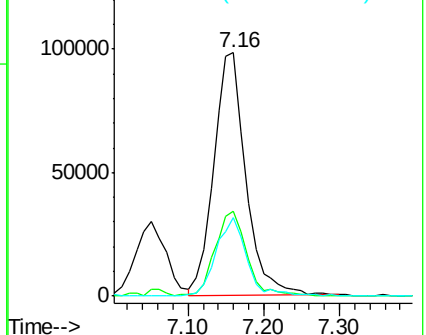
77 32.2 24.3 36.5

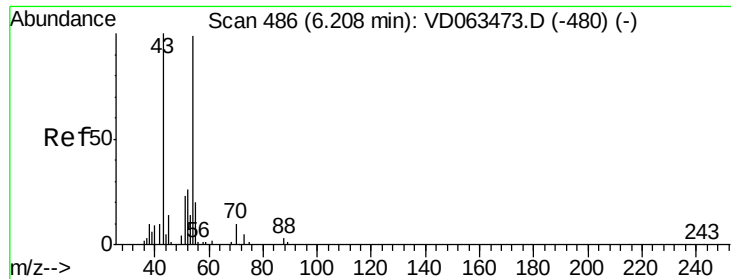


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

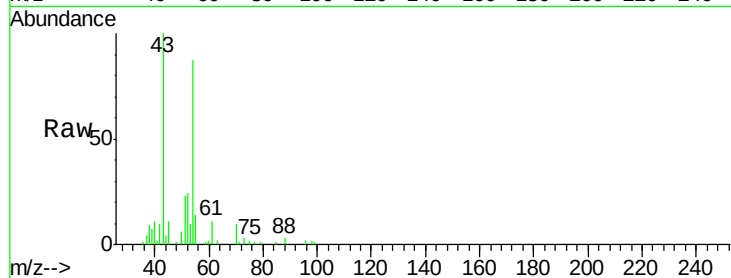




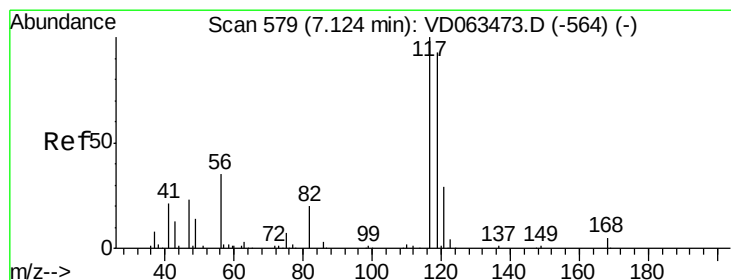
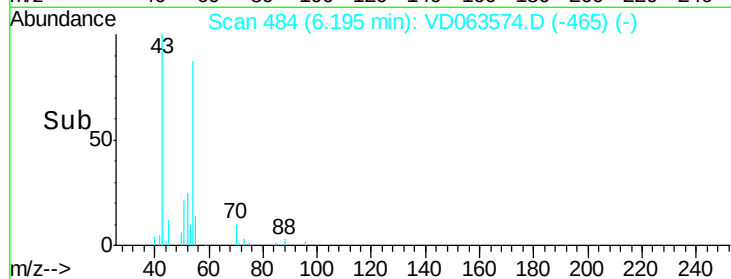
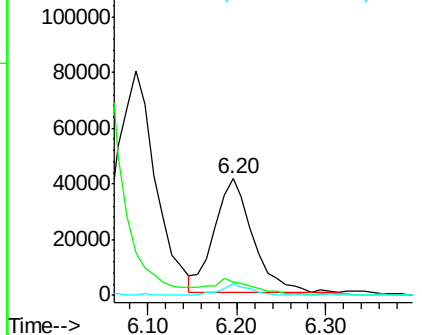
#37  
Ethyl Acetate  
Concen: 20.634 ug/l  
RT: 6.20 min Scan# 484  
Delta R.T. -0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 43 Resp: 124789  
Ion Ratio Lower Upper  
43 100  
61 11.0 9.0 13.6  
70 10.0 6.9 10.3

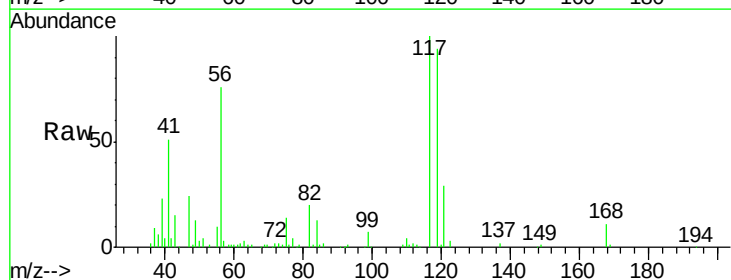


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

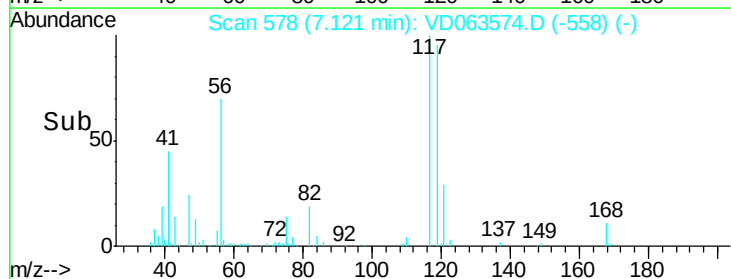
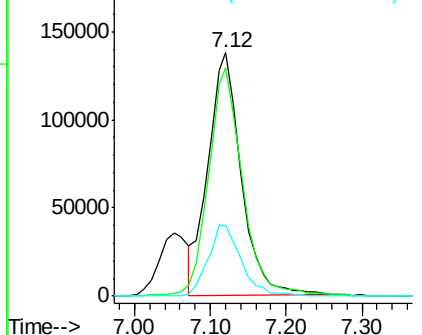


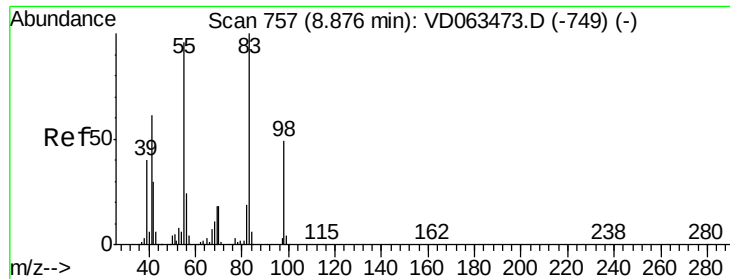
#38  
Carbon Tetrachloride  
Concen: 19.407 ug/l  
RT: 7.12 min Scan# 578  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion: 117 Resp: 422128  
Ion Ratio Lower Upper  
117 100  
119 93.9 74.2 111.2  
121 29.1 23.1 34.7



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

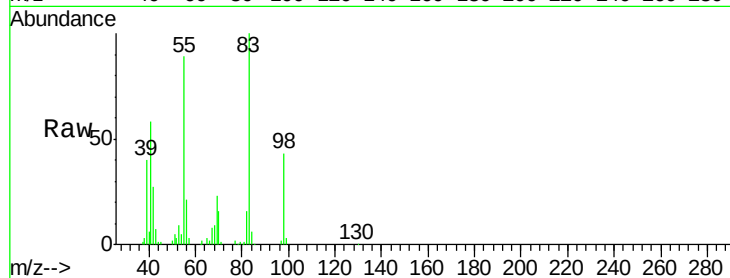




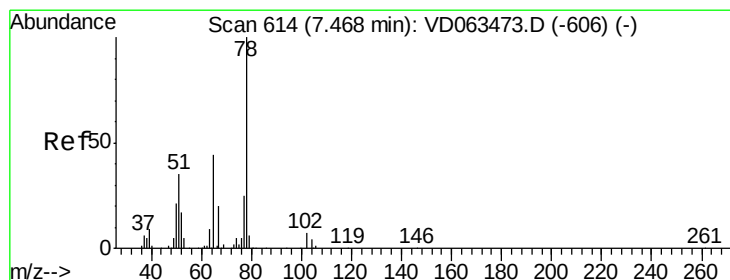
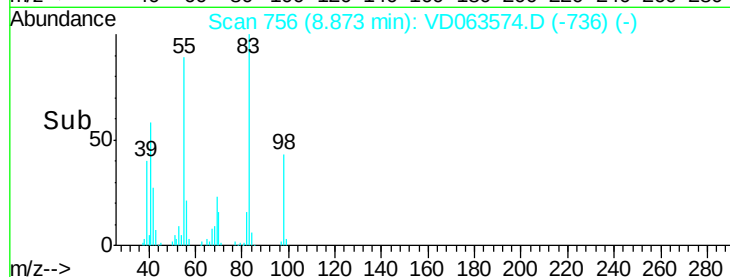
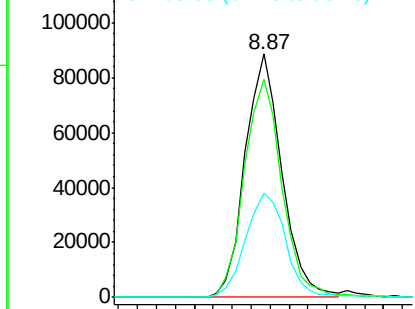
#39  
Methylvlcyclohexane  
Concen: 19.521 ug/l  
RT: 8.87 min Scan# 756  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 83 Resp: 239573  
Ion Ratio Lower Upper  
83 100  
55 89.5 76.6 114.8  
98 42.8 39.4 59.0

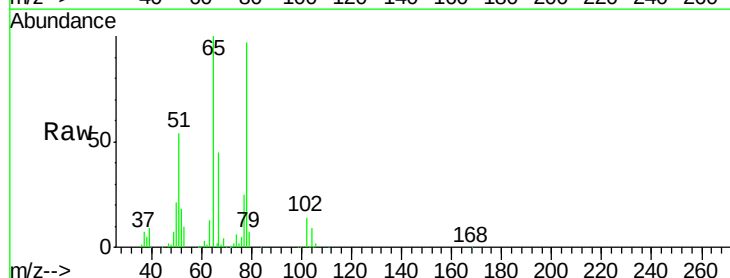


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

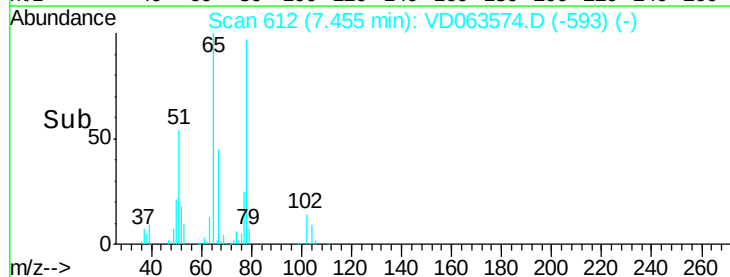
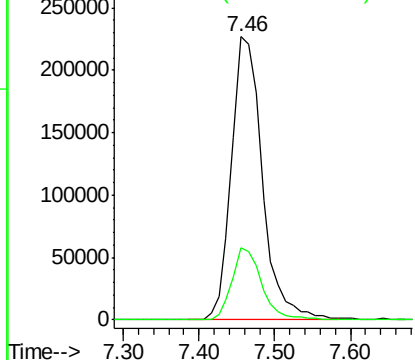


#40  
Benzene  
Concen: 20.176 ug/l  
RT: 7.46 min Scan# 612  
Delta R.T. -0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

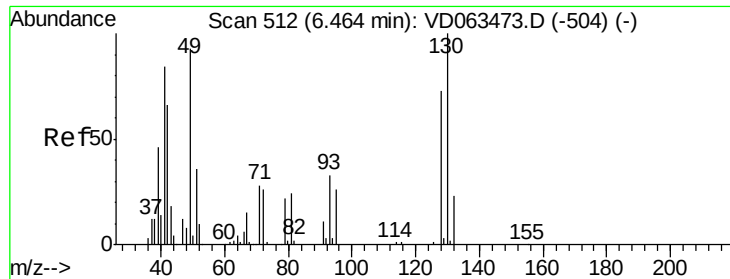
Tgt Ion: 78 Resp: 640791  
Ion Ratio Lower Upper  
78 100  
77 25.4 20.1 30.1



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



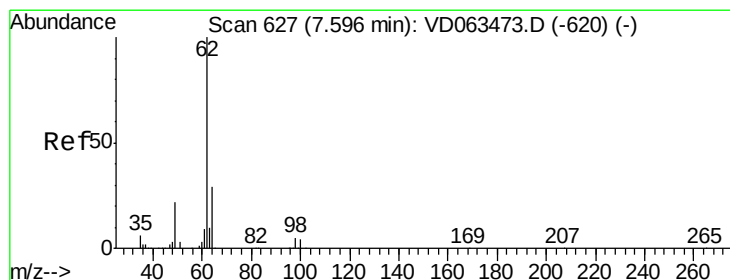
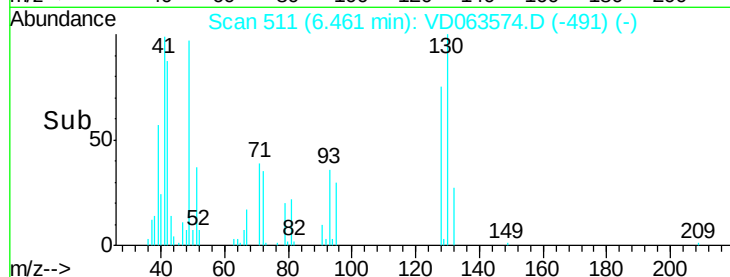
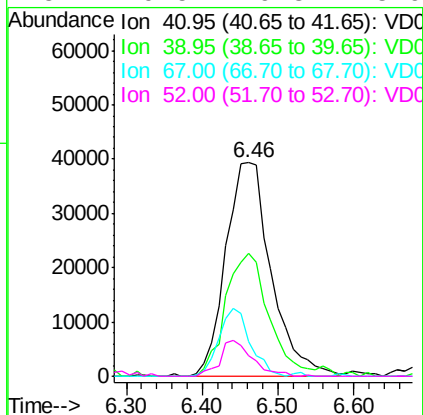
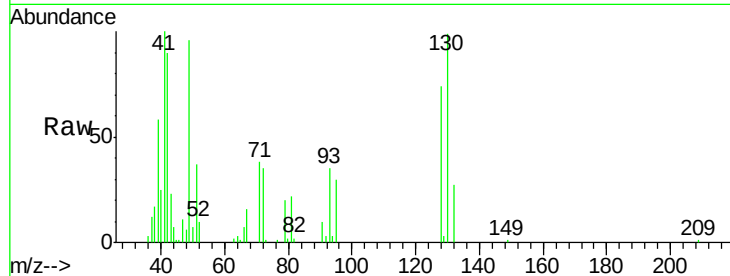




#41  
Methacrylonitrile  
Concen: 21.500 ug/l  
RT: 6.46 min Scan# 511  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

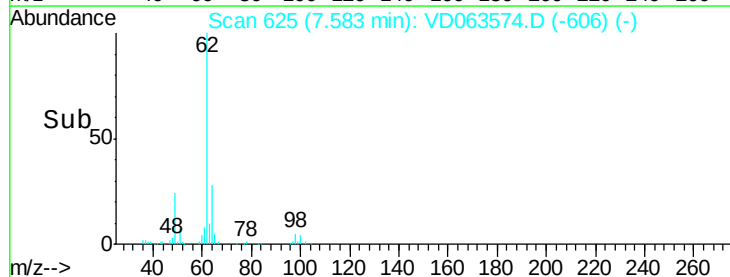
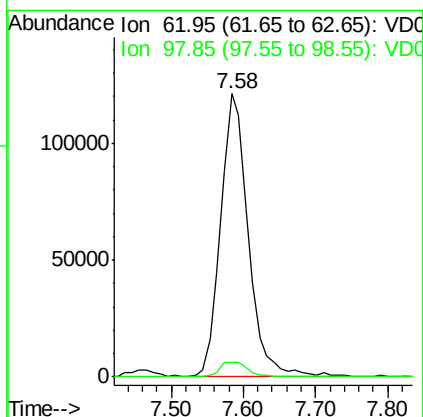
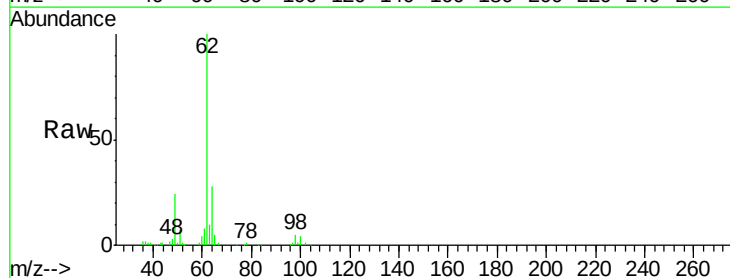
Instrument :  
MSVOA\_D  
ClientSampleId :

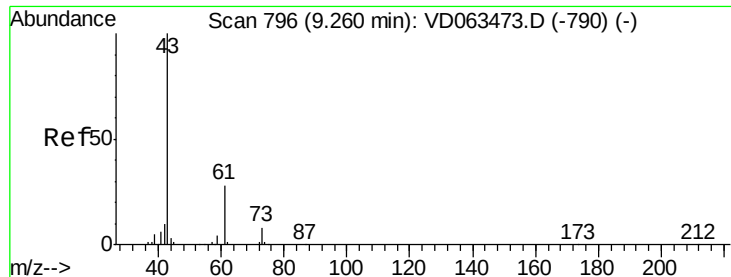
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 41    | Resp: | 163713 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 57.6  | 44.6  | 66.8   |
| 67       | 16.3  | 14.4  | 21.6   |
| 52       | 9.5   | 9.3   | 13.9   |



#42  
1,2-Dichloroethane  
Concen: 20.204 ug/l  
RT: 7.58 min Scan# 625  
Delta R.T. -0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 322661 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 5.1   | 0.0   | 10.4   |





#43

Isopropyl Acetate

Concen: 21.130 ug/l

RT: 9.25 min Scan# 794

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleId :

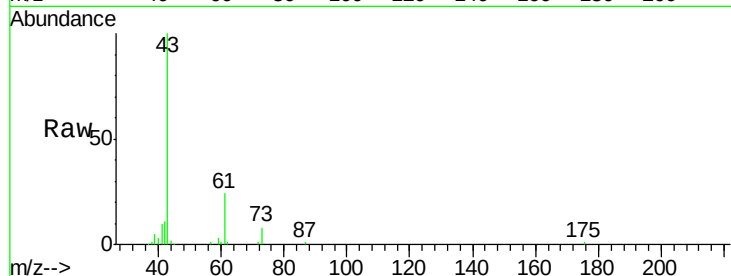
Tot Ion: 43 Resp: 171146

Ion Ratio Lower Upper

43 100

61 23.9 22.2 33.2

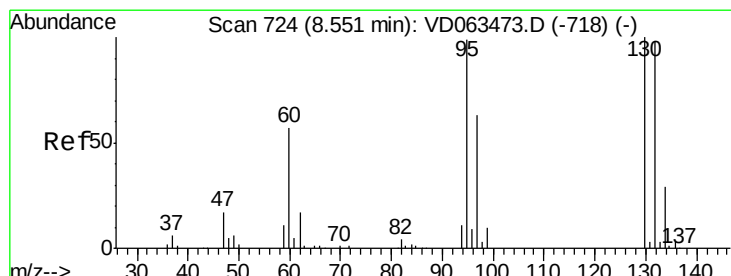
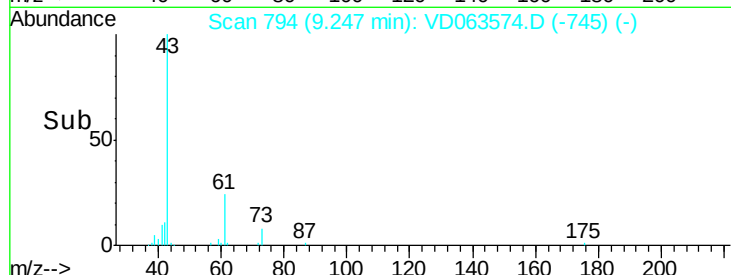
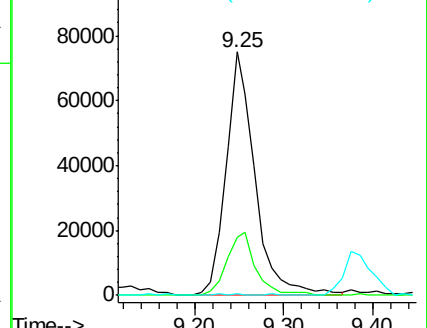
87 0.5 0.2 0.4#



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: 19.981 ug/l

RT: 8.55 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD063574.D

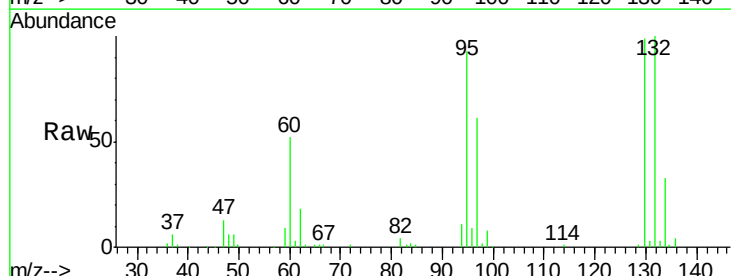
Acq: 14 Aug 2019 15:22

Tgt Ion:130 Resp: 242565

Ion Ratio Lower Upper

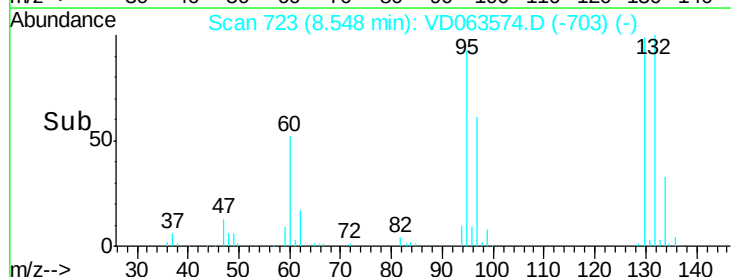
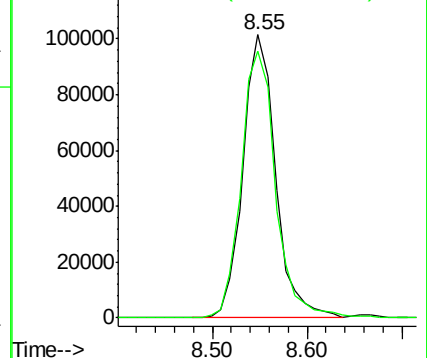
130 100

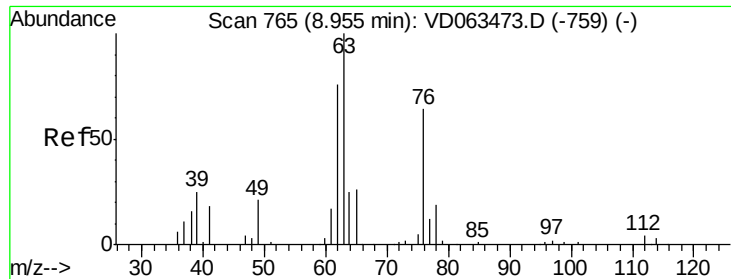
95 94.4 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.535 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

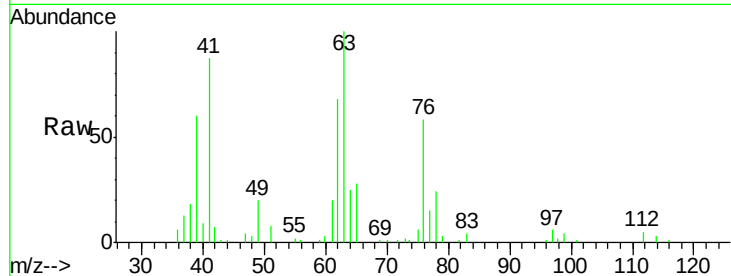
ClientSampled :

Tot Ion: 63 Resp: 144488

Ion Ratio Lower Upper

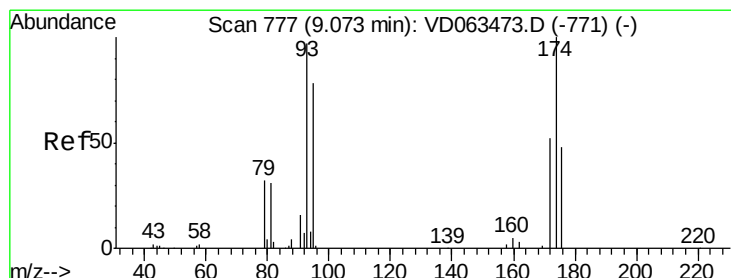
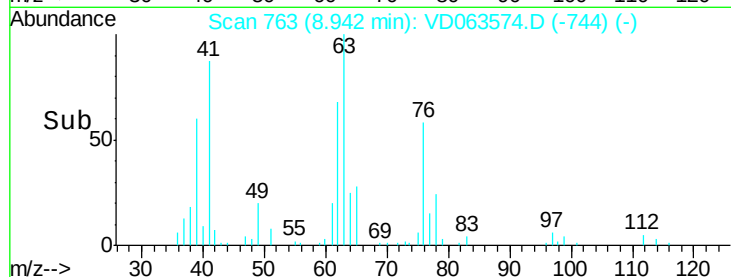
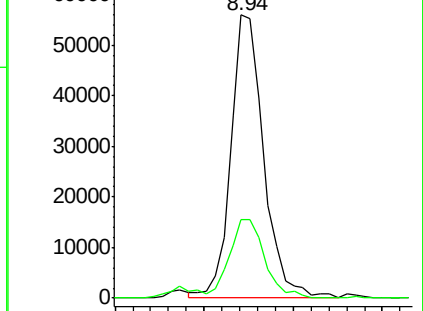
63 100

65 27.9 22.5 33.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.215 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

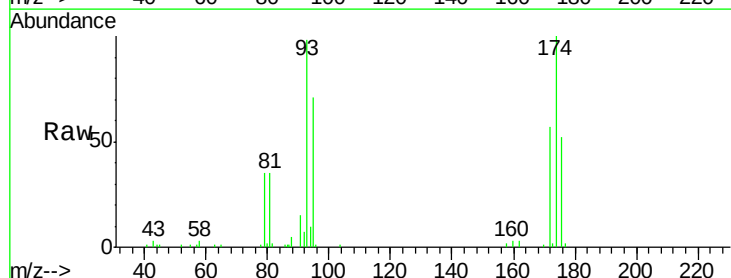
Tgt Ion: 93 Resp: 127685

Ion Ratio Lower Upper

93 100

95 72.9 64.2 96.2

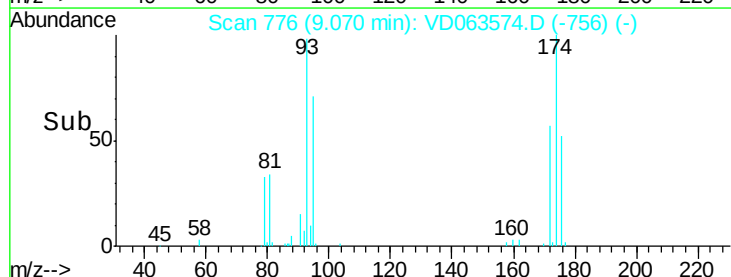
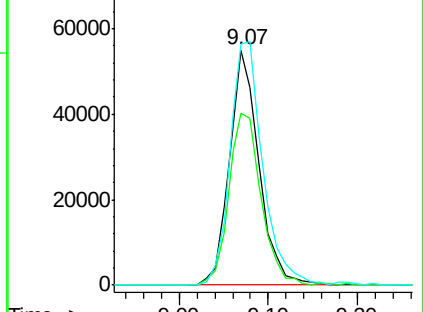
174 102.4 82.1 123.1

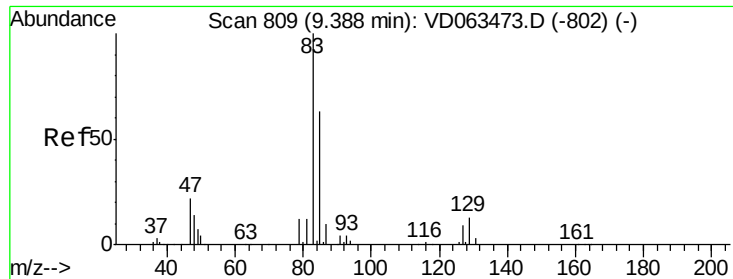


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.386 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleId :

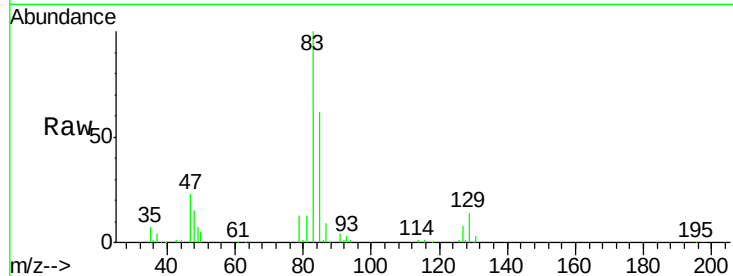
Tot Ion: 83 Resp: 330288

Ion Ratio Lower Upper

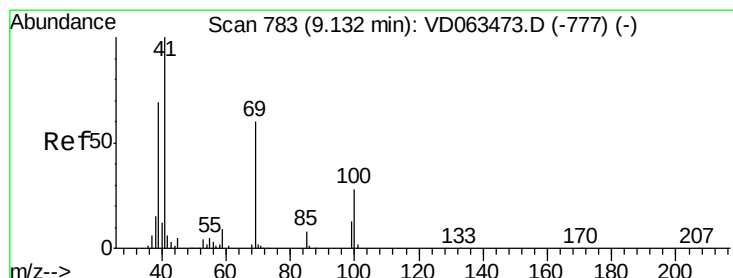
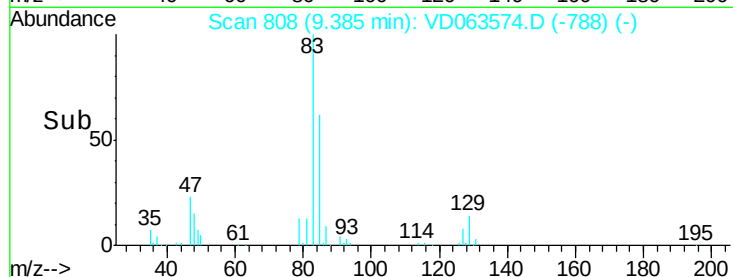
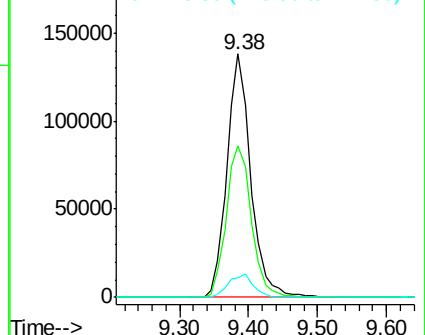
83 100

85 62.2 50.1 75.1

127 8.2 7.6 11.4



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



#48

Methyl methacrylate

Concen: 20.586 ug/l

RT: 9.13 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

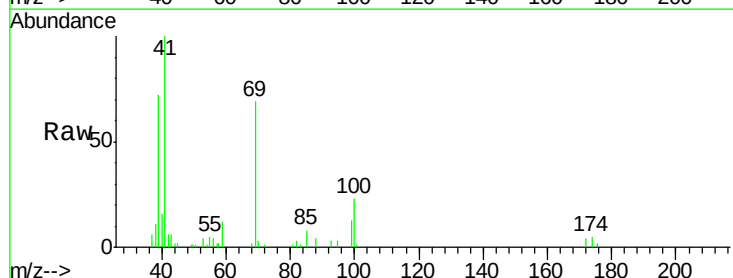
Tgt Ion: 41 Resp: 113079

Ion Ratio Lower Upper

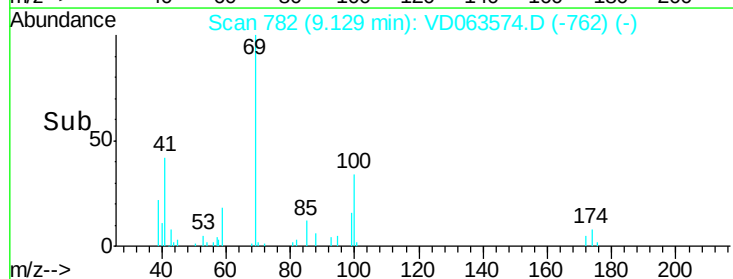
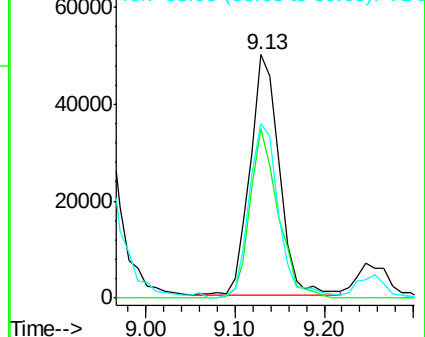
41 100

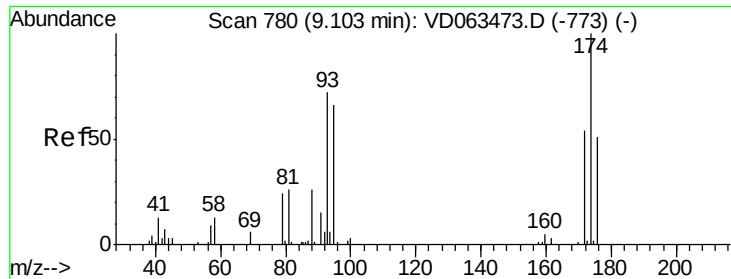
69 69.3 47.6 71.4

39 71.8 55.7 83.5



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





#49

1,4-Dioxane

Concen: 421.290 ug/l

RT: 9.09 min Scan# 778

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampled :

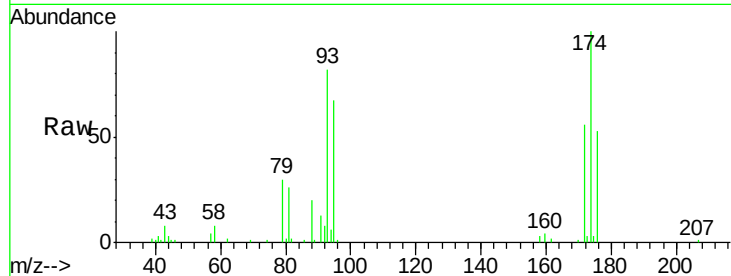
Tot Ion: 88 Resp: 19945

Ion Ratio Lower Upper

88 100

43 39.3 22.9 34.3#

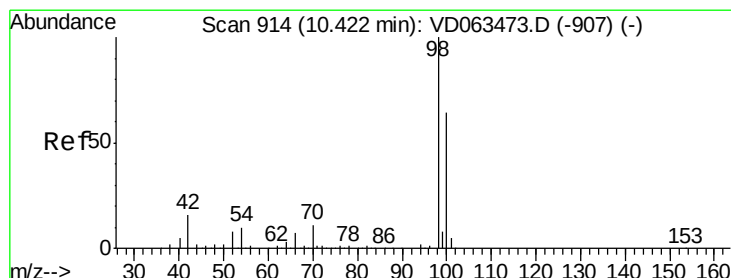
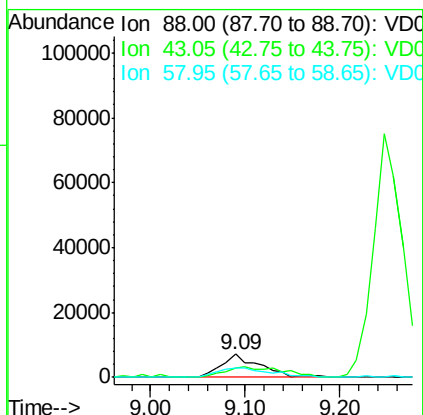
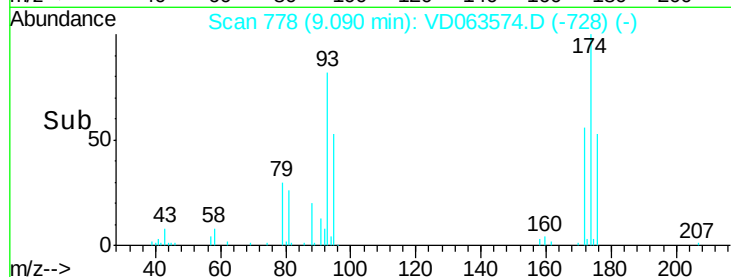
58 41.2 40.1 60.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 55.066 ug/l

RT: 10.42 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063574.D

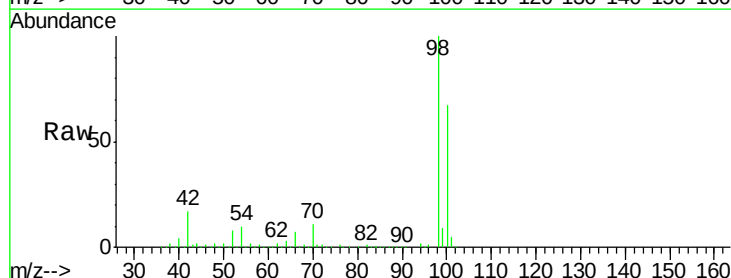
Acq: 14 Aug 2019 15:22

Tgt Ion: 98 Resp: 1664618

Ion Ratio Lower Upper

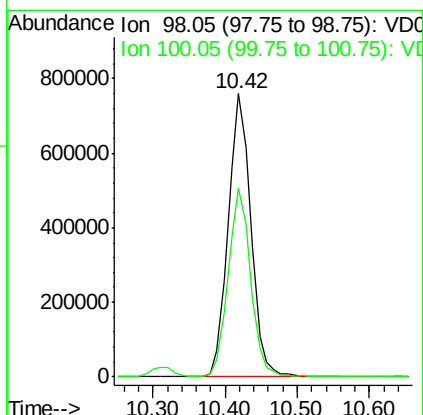
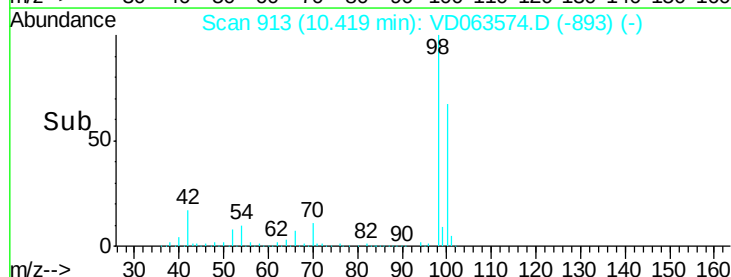
98 100

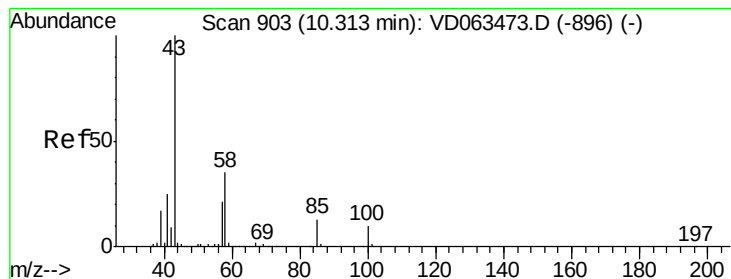
100 66.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 105.881 ug/l

RT: 10.31 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

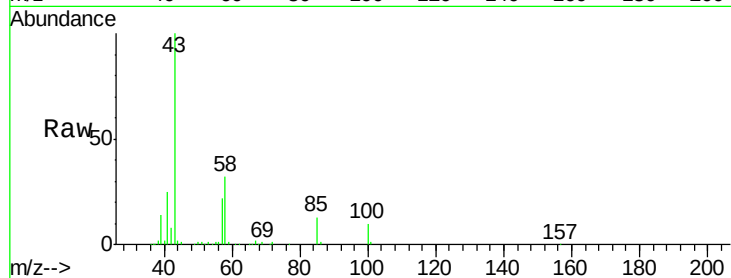
ClientSampled :

Tot Ion: 43 Resp: 586833

Ion Ratio Lower Upper

43 100

58 32.4 28.0 42.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

250000

200000

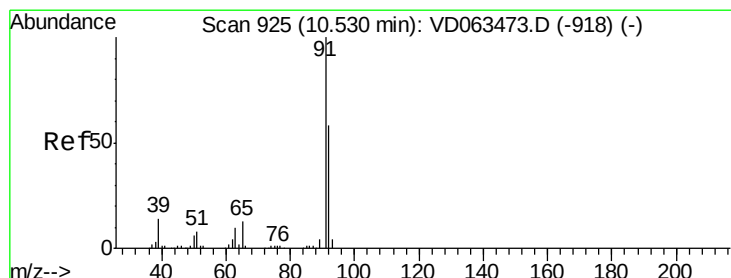
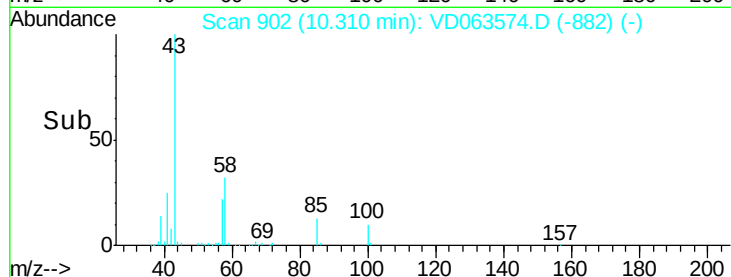
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.113 ug/l

RT: 10.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD063574.D

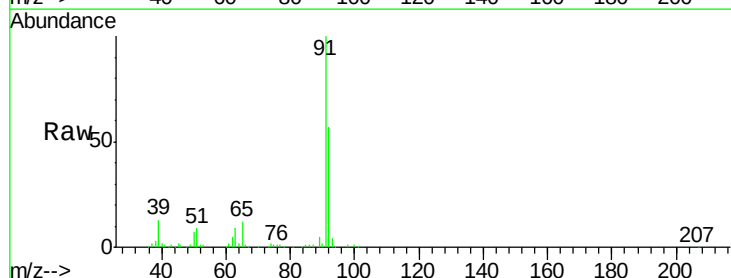
Acq: 14 Aug 2019 15:22

Tgt Ion: 92 Resp: 411458

Ion Ratio Lower Upper

92 100

91 176.7 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

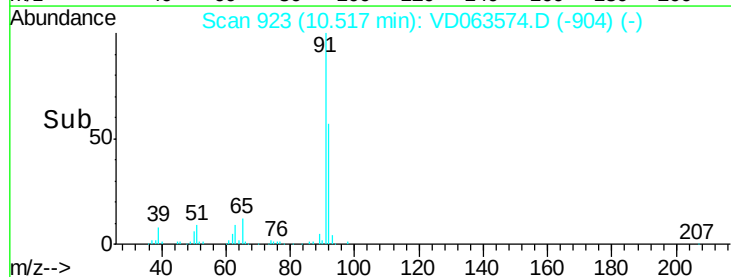
300000

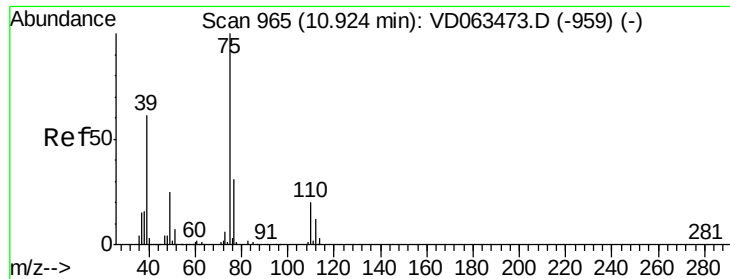
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.392 ug/l

RT: 10.92 min Scan# 964

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

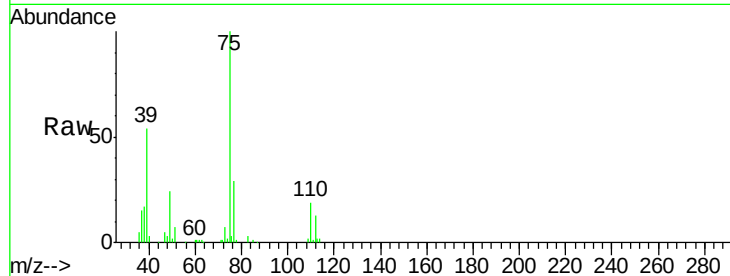
ClientSampleId :

Tot Ion: 75 Resp: 282858

Ion Ratio Lower Upper

75 100

77 28.8 24.5 36.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

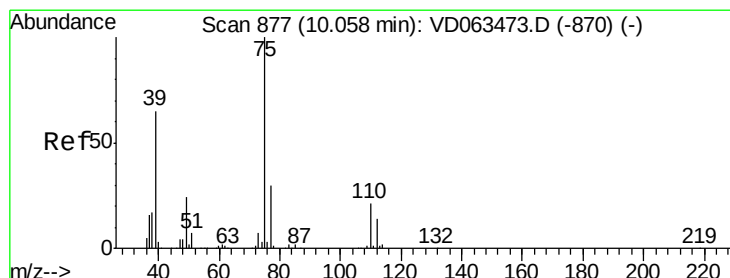
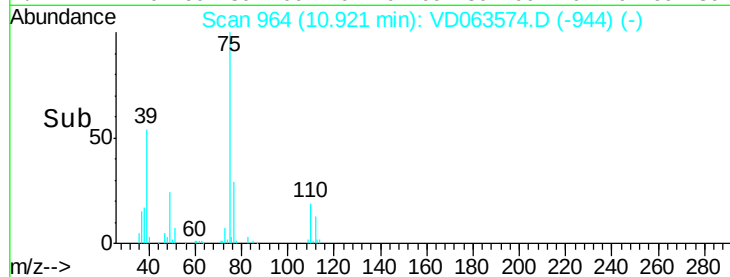
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

cis-1,3-Dichloropropene

Concen: 19.900 ug/l

RT: 10.05 min Scan# 876

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

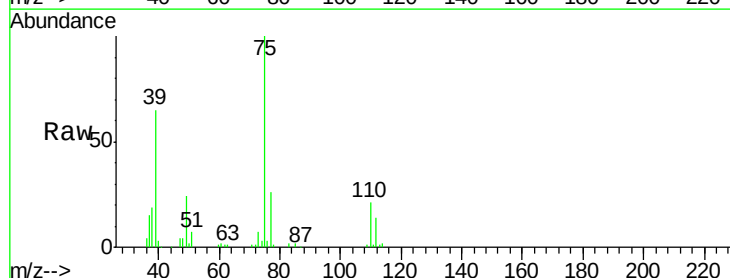
Tgt Ion: 75 Resp: 296696

Ion Ratio Lower Upper

75 100

77 26.3 23.7 35.5

39 64.7 52.2 78.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

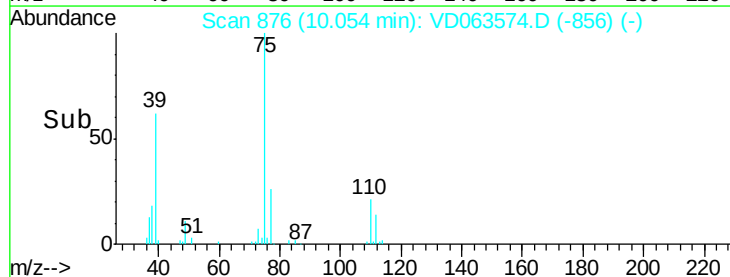
150000

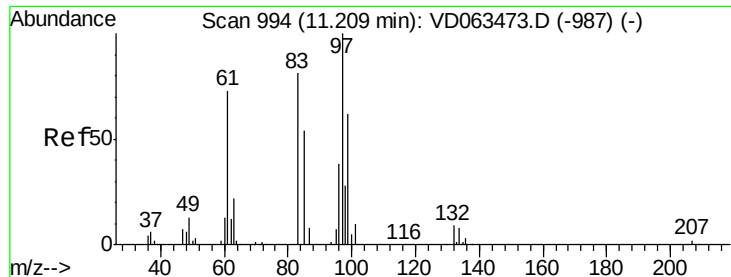
100000

50000

0

Time--> 9.90 10.00 10.10 10.20

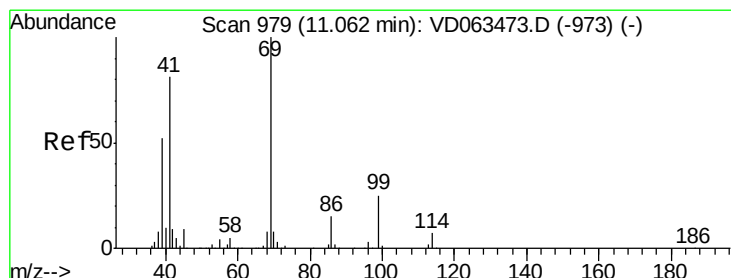
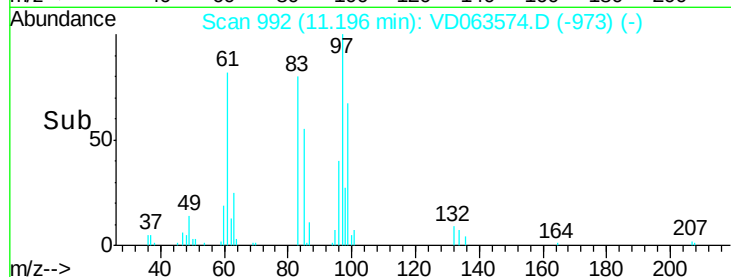
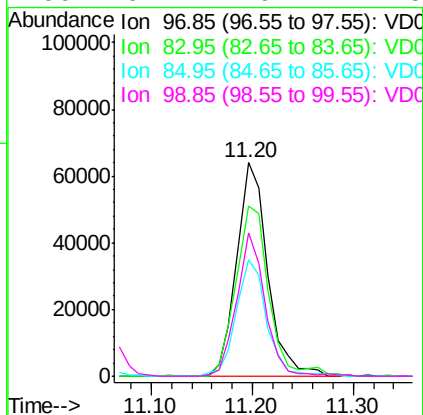
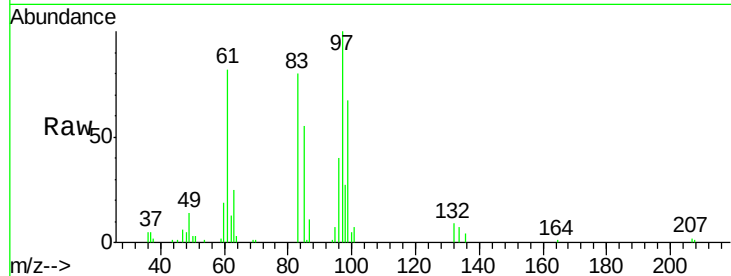




#55  
 1,1,2-Trichloroethane  
 Concen: 19.863 ug/l  
 RT: 11.20 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

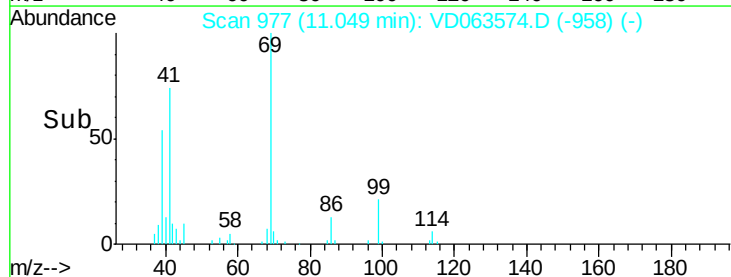
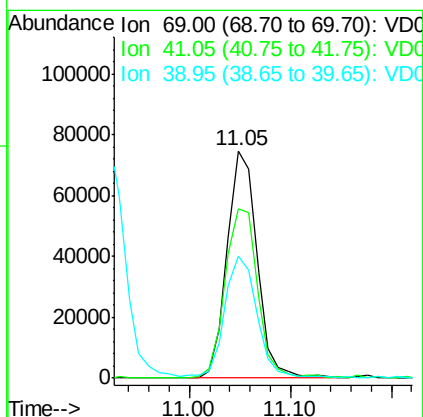
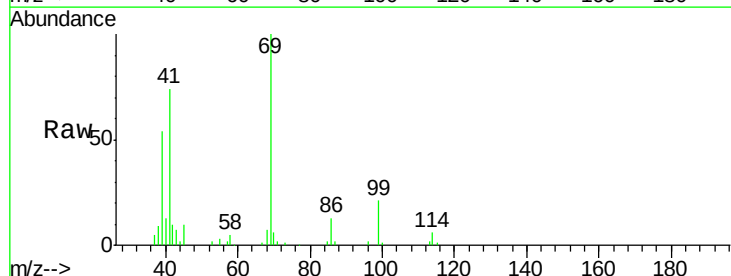
Instrument :  
 MSVOA\_D  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 137261 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 80.0  | 64.7  | 97.1   |
| 85       | 54.7  | 42.9  | 64.3   |
| 99       | 67.4  | 49.7  | 74.5   |

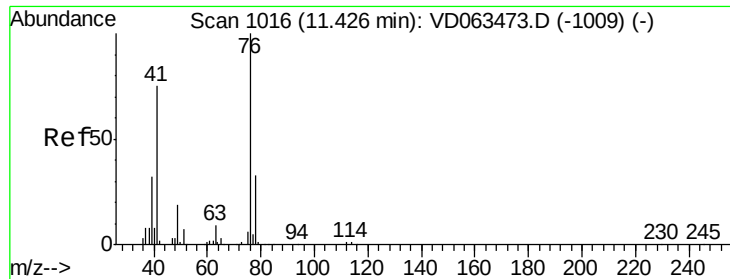


#56  
 Ethyl methacrylate  
 Concen: 20.634 ug/l  
 RT: 11.05 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 154764 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 74.4  | 64.8  | 97.2   |
| 39       | 53.7  | 42.4  | 63.6   |



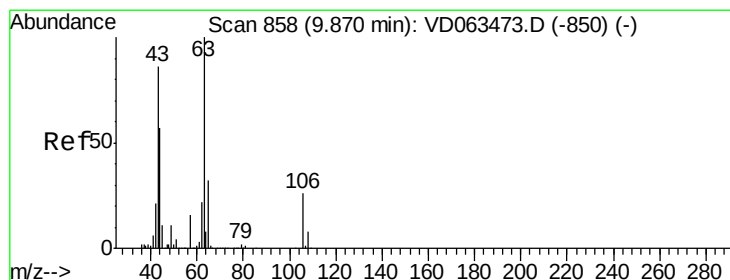
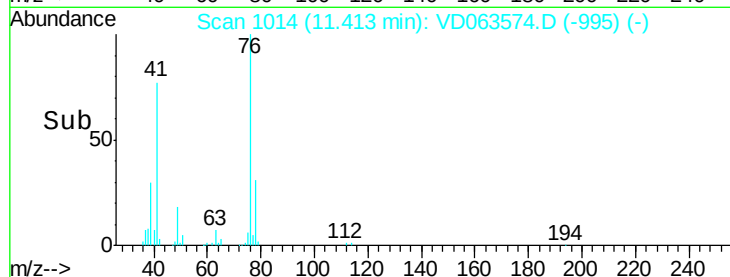
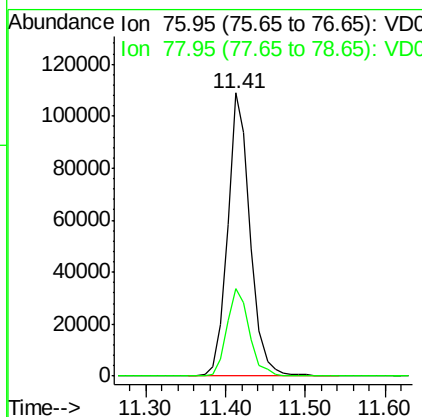
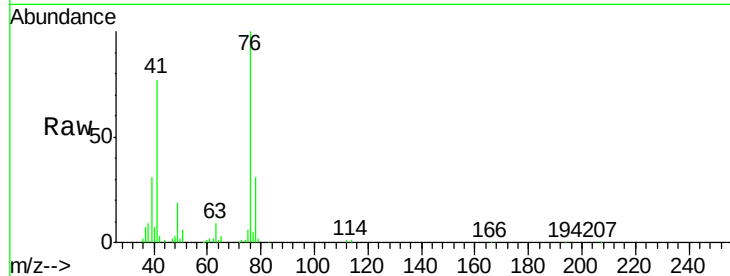




#57  
 1,3-Dichloropropane  
 Concen: 20.516 ug/l  
 RT: 11.41 min Scan# 1014  
 Delta R.T. -0.01 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

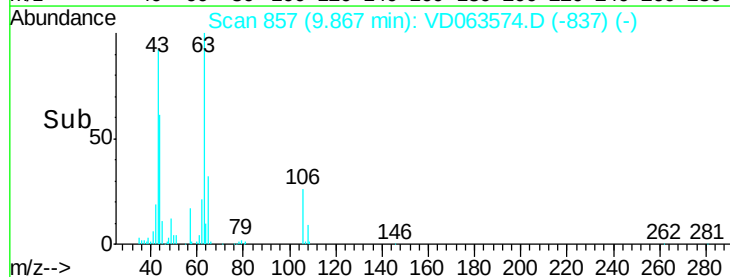
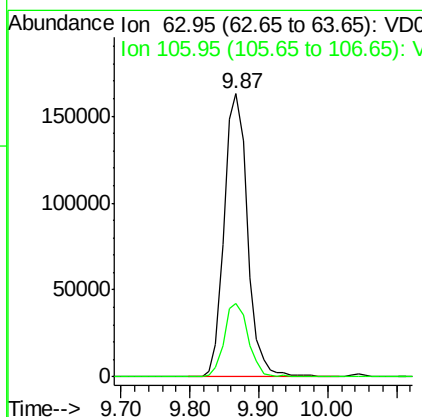
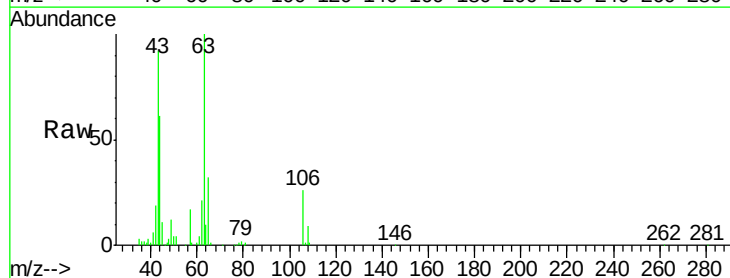
Instrument :  
 MSVOA\_D  
 ClientSampled :

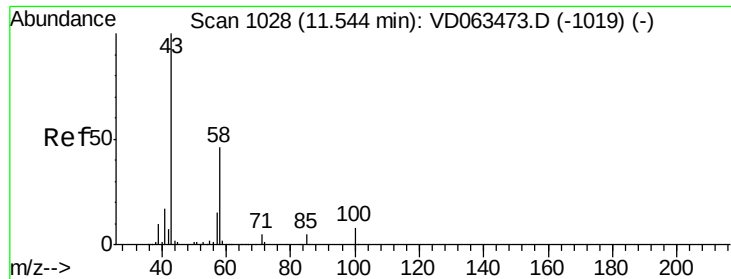
Tot Ion: 76 Resp: 214297  
 Ion Ratio Lower Upper  
 76 100  
 78 30.8 26.3 39.5



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 96.721 ug/l  
 RT: 9.87 min Scan# 857  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Tgt Ion: 63 Resp: 382985  
 Ion Ratio Lower Upper  
 63 100  
 106 26.1 20.8 31.2

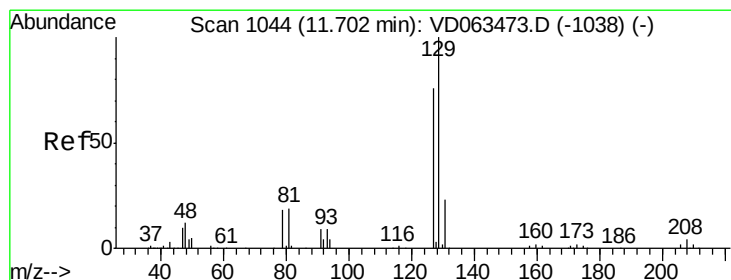
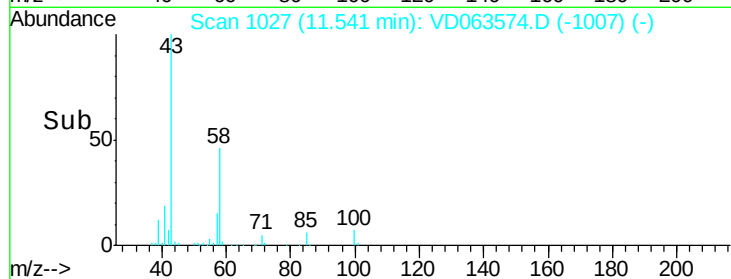
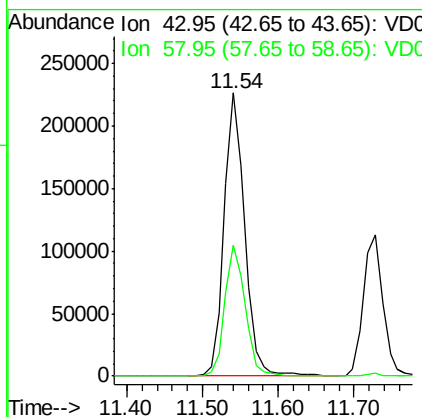
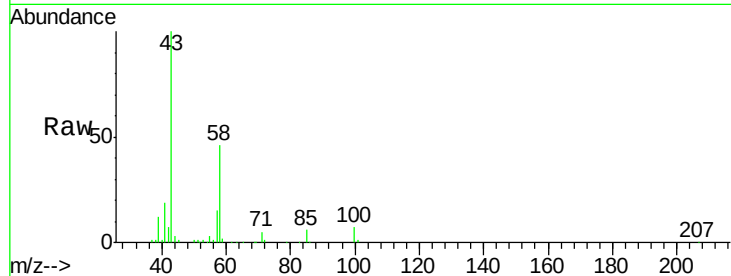




#59  
2-Hexanone  
Concen: 105.771 ug/l  
RT: 11.54 min Scan# 1027  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

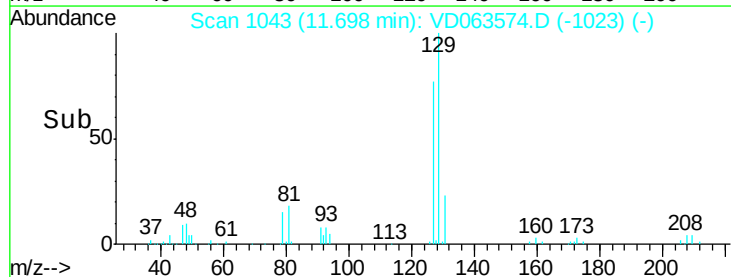
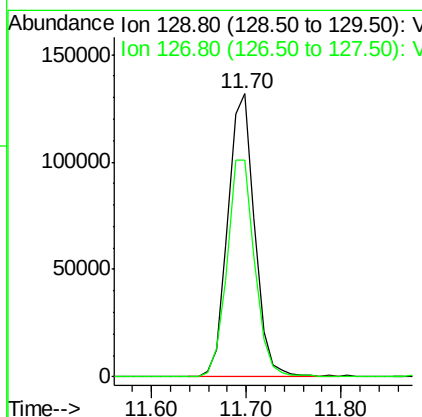
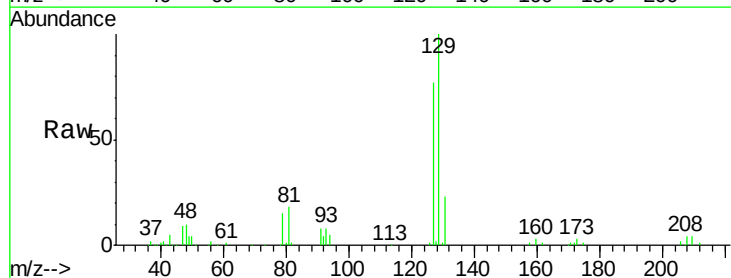
Instrument :  
MSVOA\_D  
ClientSampleId :

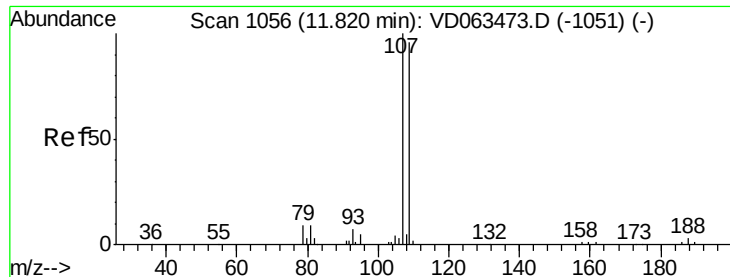
Tot Ion: 43 Resp: 426552  
Ion Ratio Lower Upper  
43 100  
58 46.3 23.1 69.2



#60  
Dibromochloromethane  
Concen: 20.628 ug/l  
RT: 11.70 min Scan# 1043  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion: 129 Resp: 259380  
Ion Ratio Lower Upper  
129 100  
127 76.7 37.8 113.4

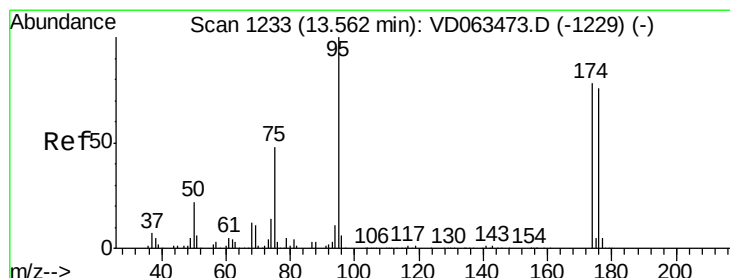
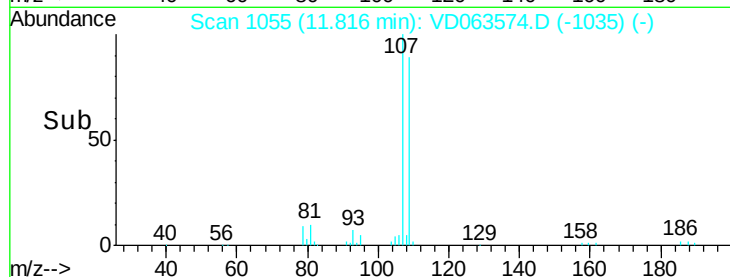
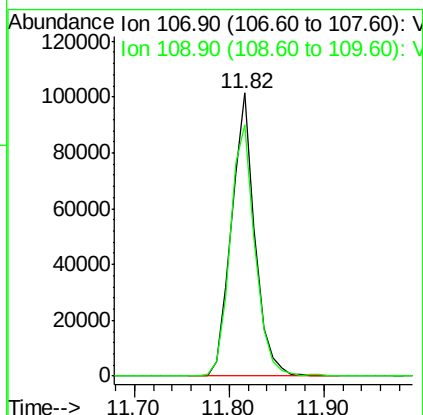
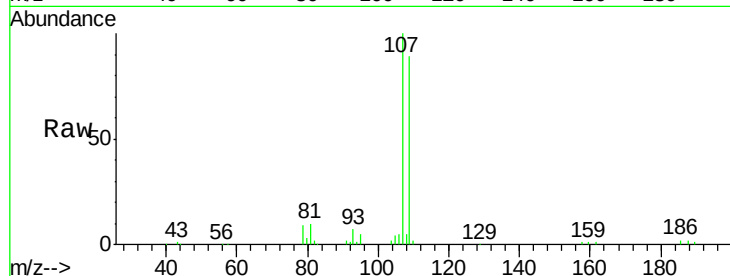




#61  
 1,2-Dibromoethane  
 Concen: 20.678 ug/l  
 RT: 11.82 min Scan# 1055  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

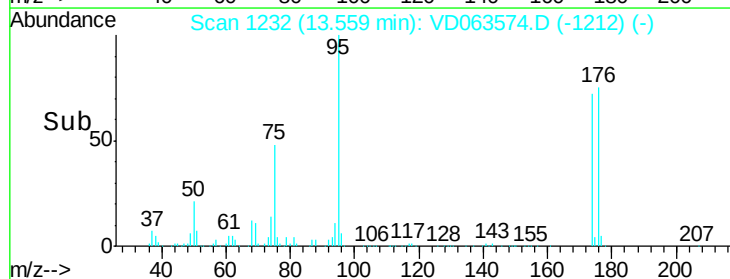
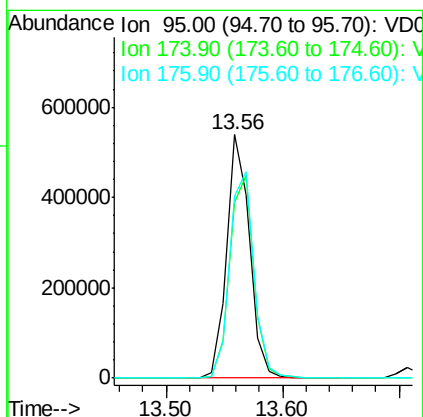
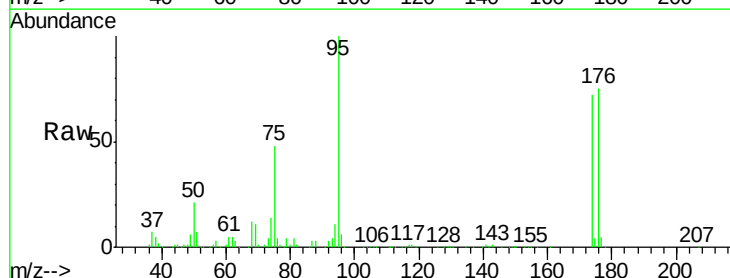
Instrument :  
 MSVOA\_D  
 ClientSampled :

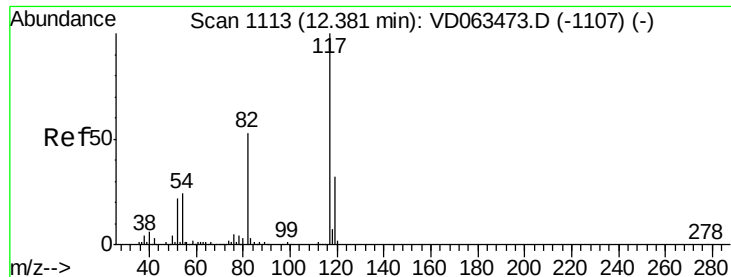
Tot Ion: 107 Resp: 172979  
 Ion Ratio Lower Upper  
 107 100  
 109 88.9 76.8 115.2



#62  
 4-Bromofluorobenzene  
 Concen: 53.426 ug/l  
 RT: 13.56 min Scan# 1232  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Tgt Ion: 95 Resp: 732008  
 Ion Ratio Lower Upper  
 95 100  
 174 72.2 0.0 155.4  
 176 74.8 0.0 152.4

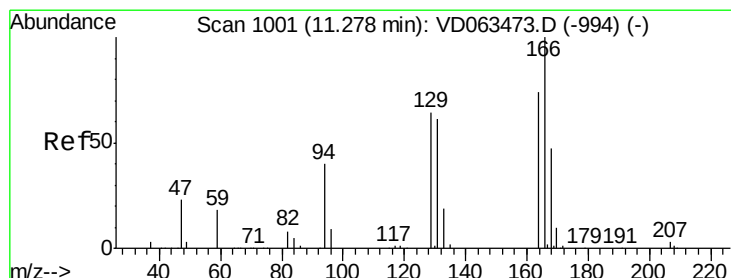
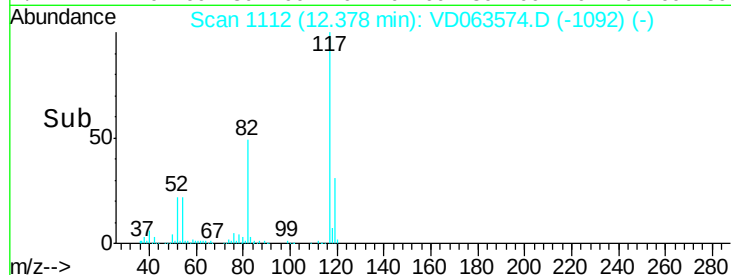
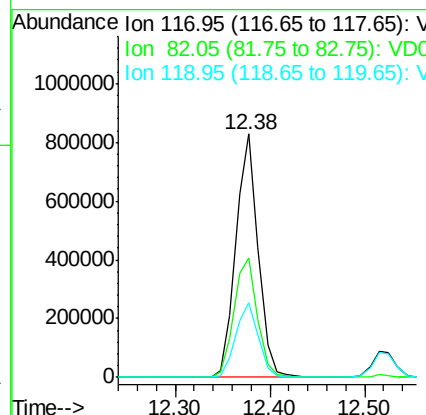
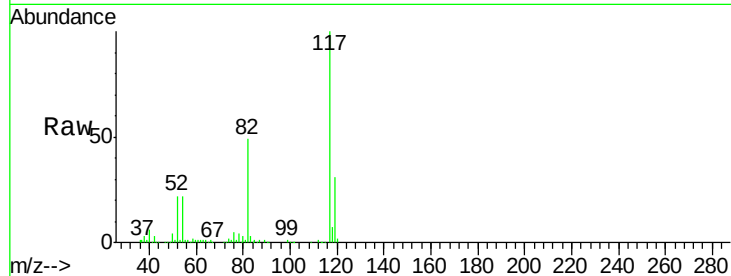




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.38 min Scan# 1112  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

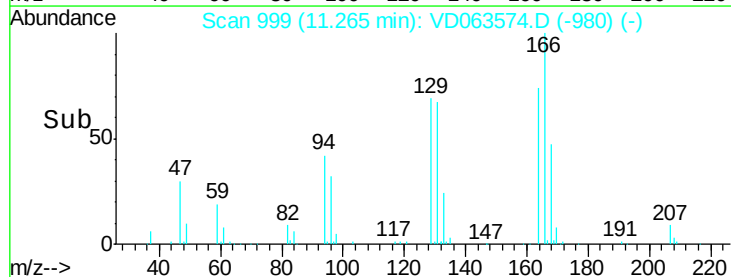
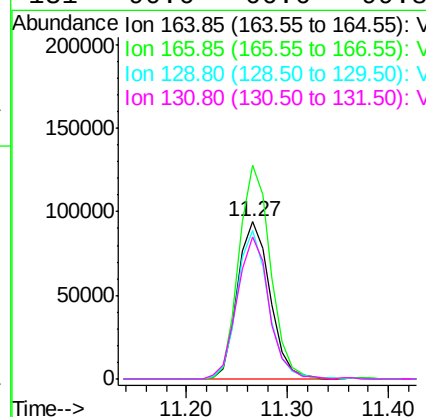
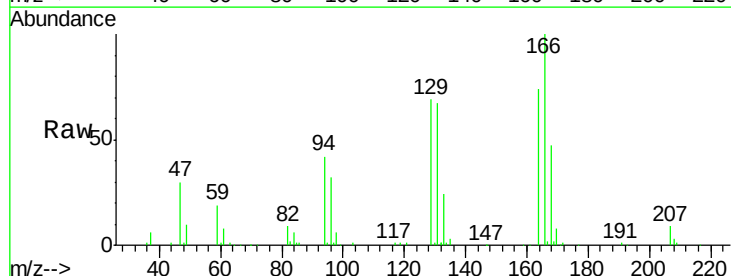
Instrument :  
MSVOA\_D  
ClientSampled :

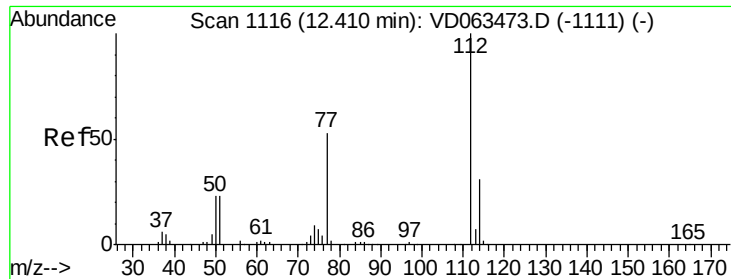
Tot Ion:117 Resp: 1347112  
Ion Ratio Lower Upper  
117 100  
82 49.0 42.0 63.0  
119 30.6 25.4 38.0



#64  
Tetrachloroethene  
Concen: 20.306 ug/l  
RT: 11.27 min Scan# 999  
Delta R.T. -0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion:164 Resp: 211173  
Ion Ratio Lower Upper  
164 100  
166 135.9 108.6 163.0  
129 94.4 69.0 103.6  
131 90.6 66.6 99.8





#65

Chlorobenzene

Concen: 19.644 ug/l

RT: 12.41 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

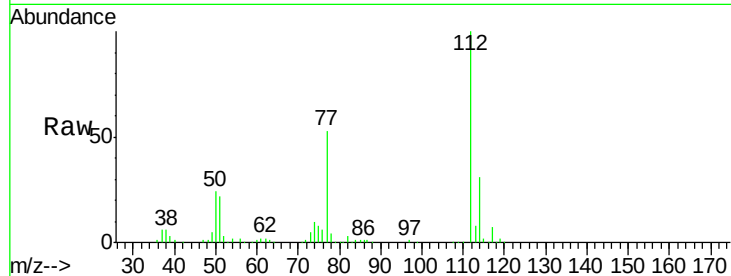
ClientSampleId :

Tot Ion:112 Resp: 495984

Ion Ratio Lower Upper

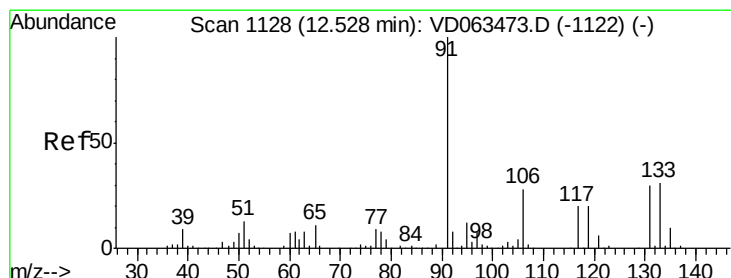
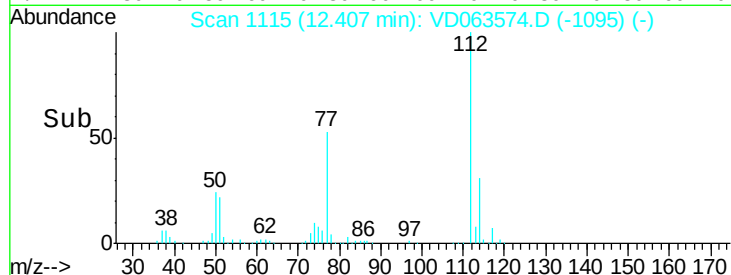
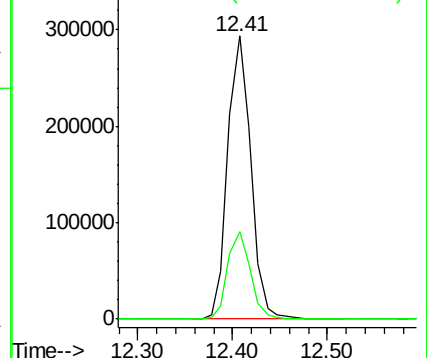
112 100

114 31.1 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.411 ug/l

RT: 12.53 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

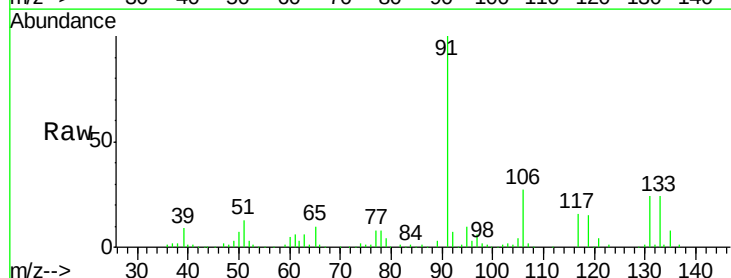
Tgt Ion:131 Resp: 226797

Ion Ratio Lower Upper

131 100

133 100.1 51.1 153.3

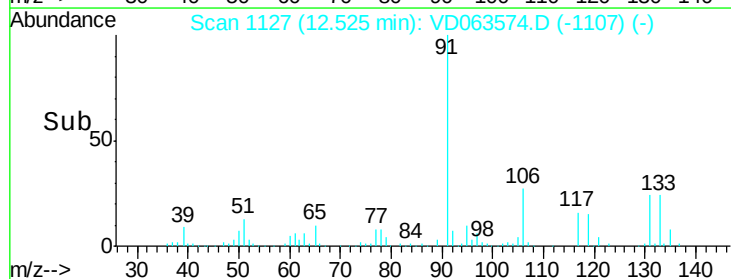
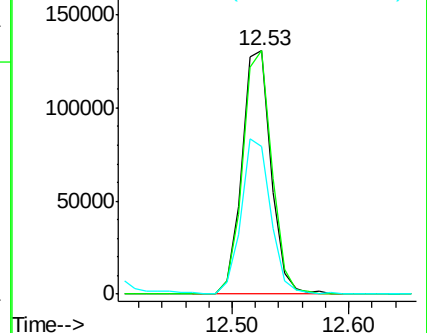
119 60.5 33.1 99.3

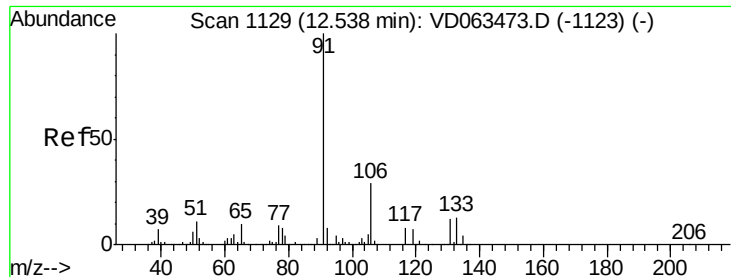


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

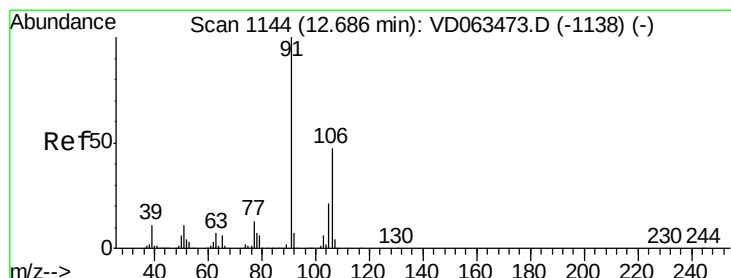
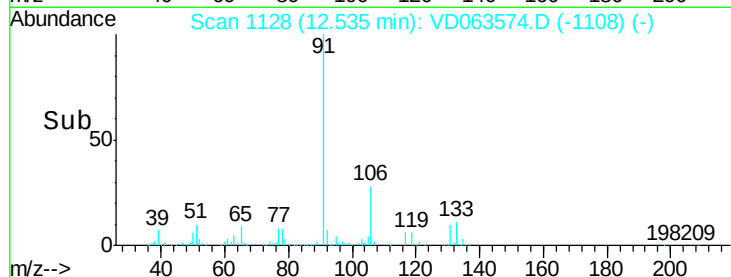
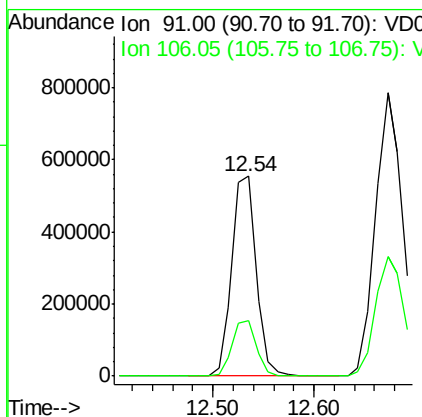
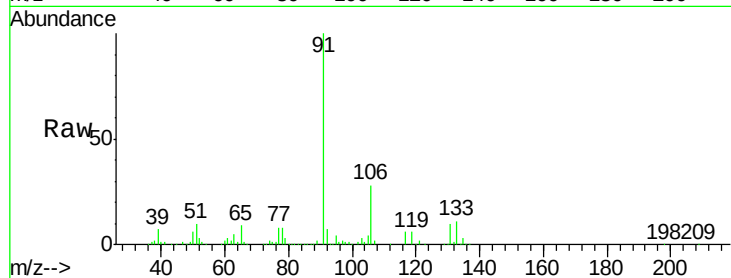




#67  
Ethyl Benzene  
Concen: 21.222 ug/l  
RT: 12.54 min Scan# 1128  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

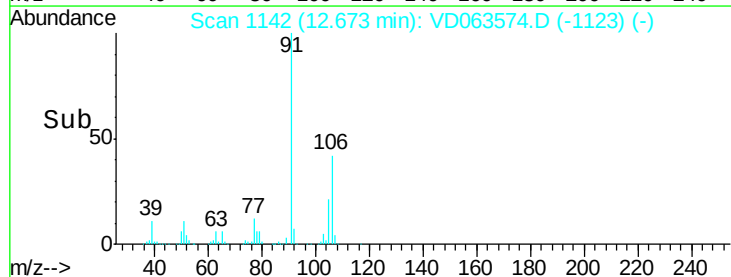
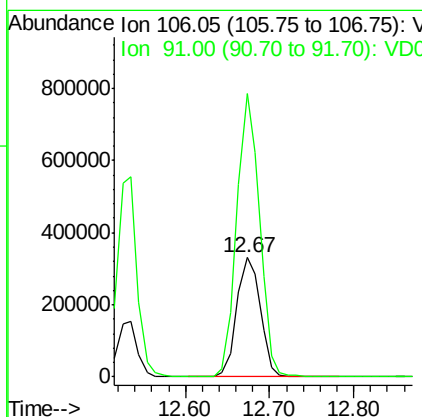
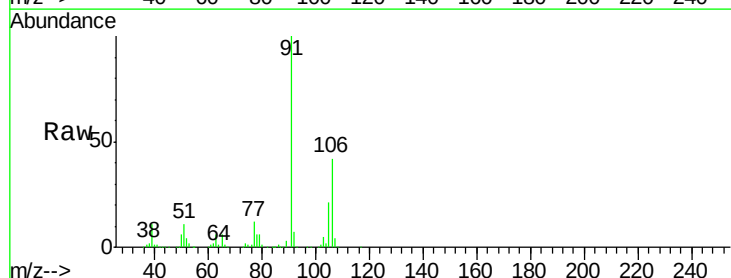
Instrument :  
MSVOA\_D  
ClientSampleId :

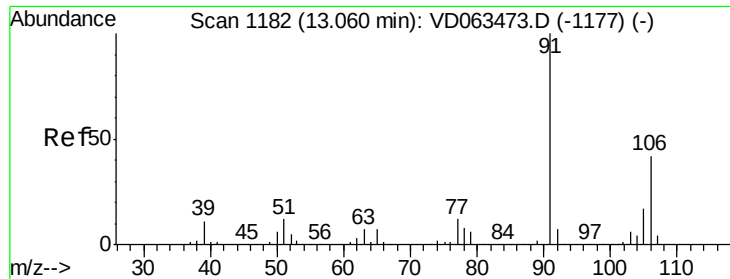
Tot Ion: 91 Resp: 931652  
Ion Ratio Lower Upper  
91 100  
106 28.1 23.1 34.7



#68  
m/p-Xylenes  
Concen: 41.999 ug/l  
RT: 12.67 min Scan# 1142  
Delta R.T. -0.01 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion: 106 Resp: 647773  
Ion Ratio Lower Upper  
106 100  
91 237.1 171.8 257.8

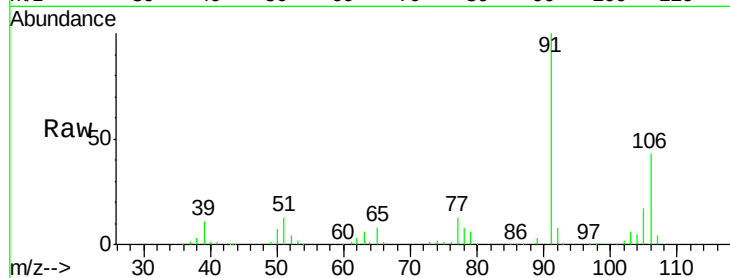




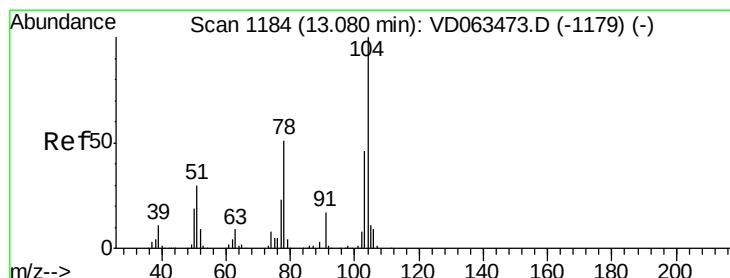
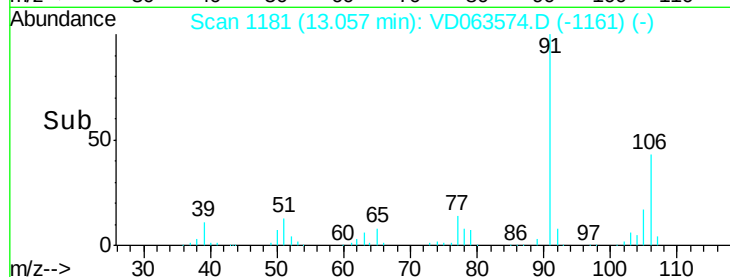
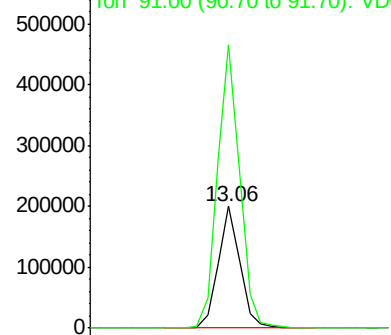
#69  
o-Xylene  
Concen: 18.815 ug/l  
RT: 13.06 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:106 Resp: 279301  
Ion Ratio Lower Upper  
106 100  
91 232.5 118.1 354.2

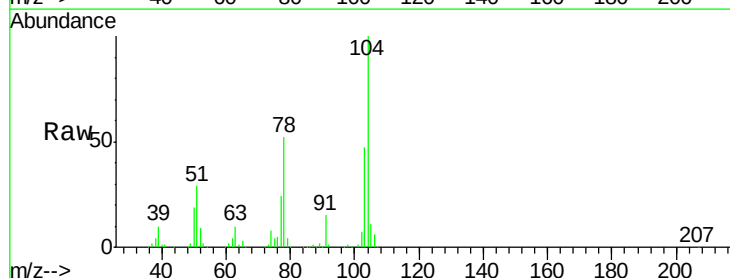


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

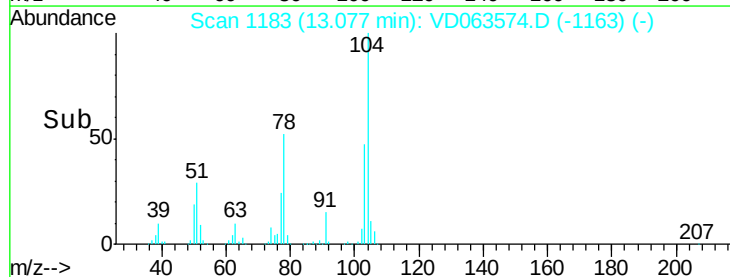
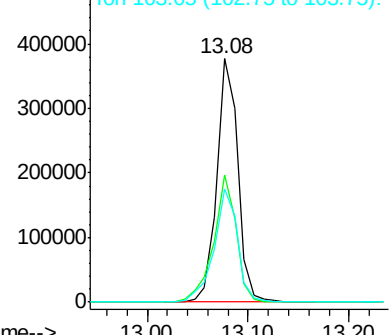


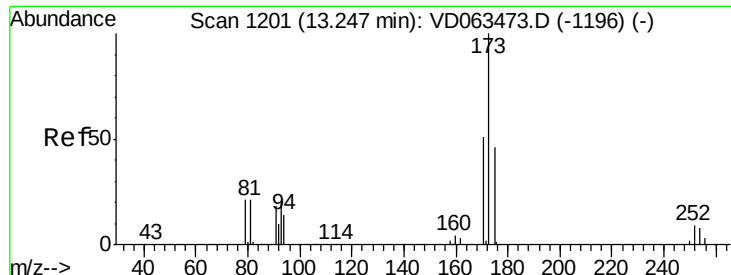
#70  
Styrene  
Concen: 20.669 ug/l  
RT: 13.08 min Scan# 1183  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion:104 Resp: 545760  
Ion Ratio Lower Upper  
104 100  
78 52.0 40.8 61.2  
103 46.5 36.4 54.6



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





#71

Bromoform

Concen: 21.037 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleId :

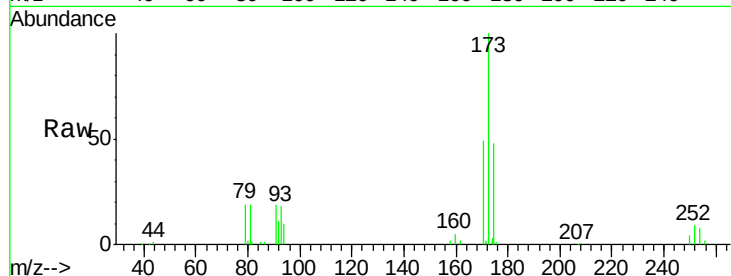
Tot Ion:173 Resp: 160282

Ion Ratio Lower Upper

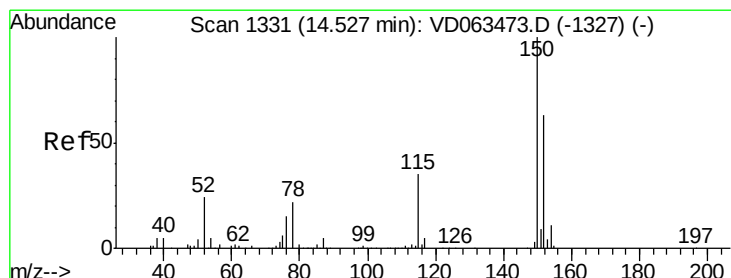
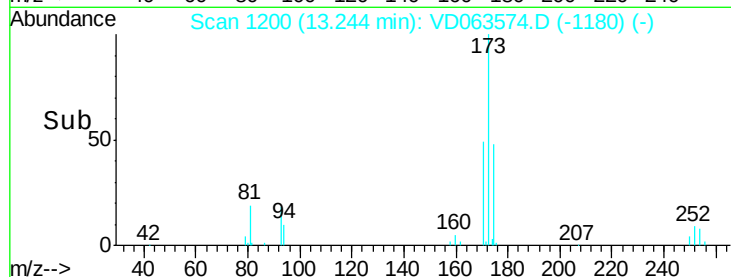
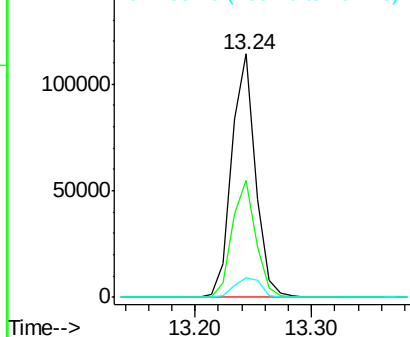
173 100

175 47.9 22.8 68.3

254 7.8 6.6 9.8



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: VD063574.D

Acq: 14 Aug 2019 15:22

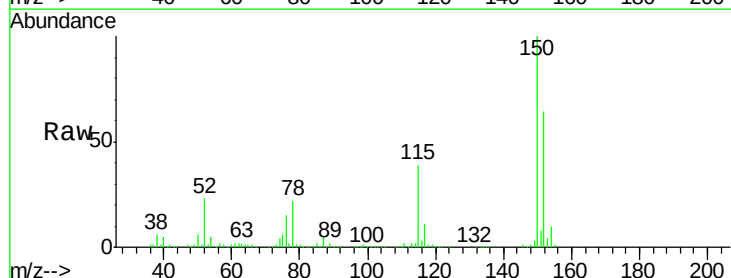
Tgt Ion:152 Resp: 693461

Ion Ratio Lower Upper

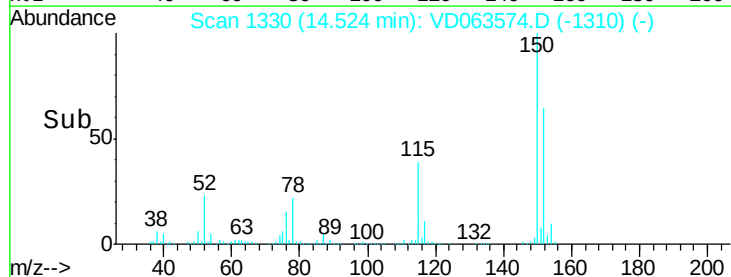
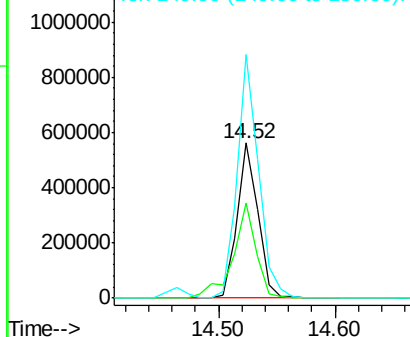
152 100

115 61.0 30.9 92.7

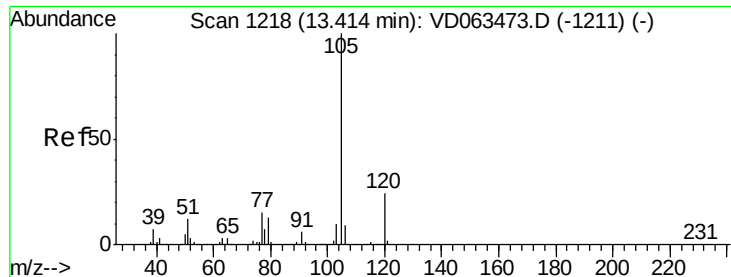
150 157.0 0.0 318.6



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: 21.311 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

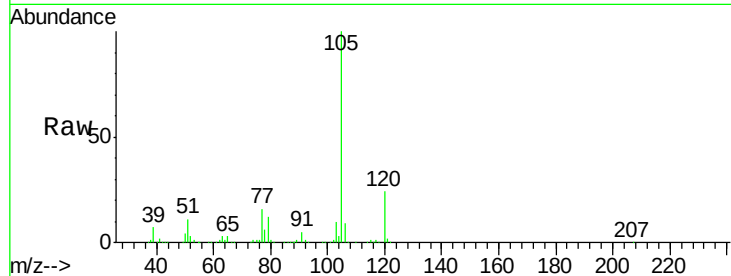
ClientSampleId :

Tot Ion:105 Resp: 940007

Ion Ratio Lower Upper

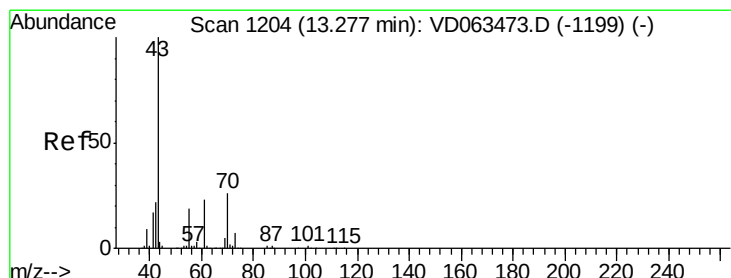
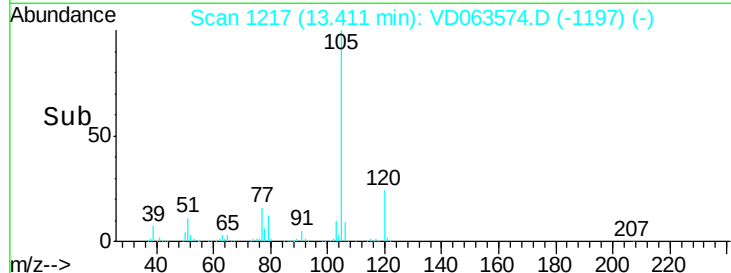
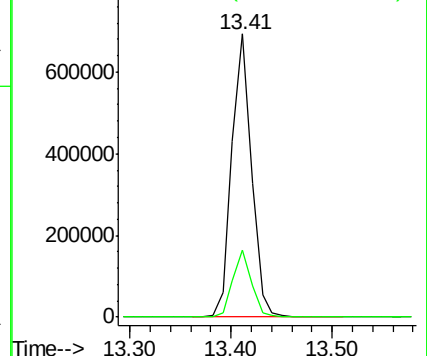
105 100

120 23.7 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 21.611 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Tgt Ion: 43 Resp: 239290

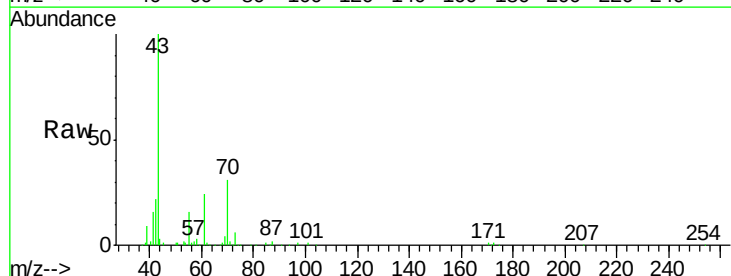
Ion Ratio Lower Upper

43 100

70 31.4 21.1 31.7

55 16.5 15.4 23.0

61 23.7 18.2 27.2

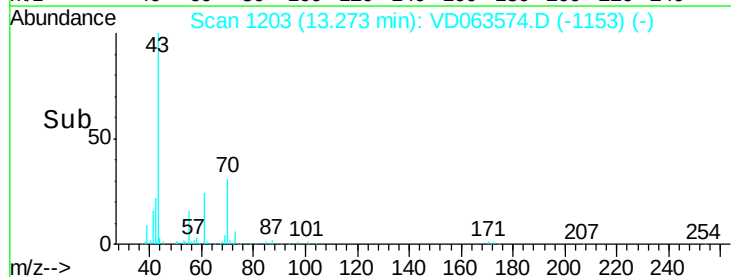
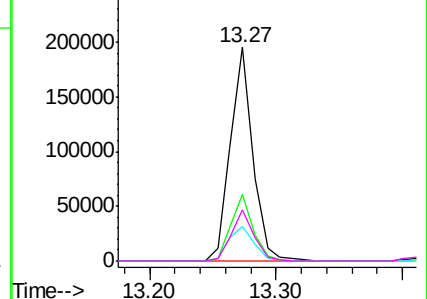


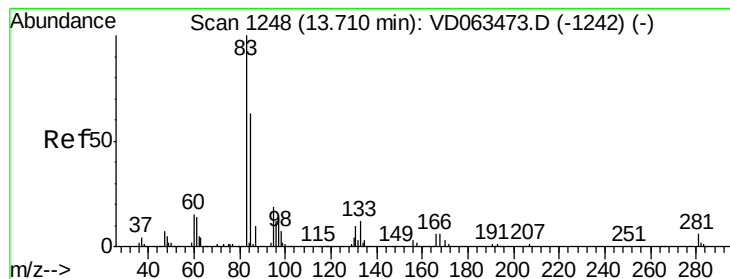
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.783 ug/l

RT: 13.71 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleId :

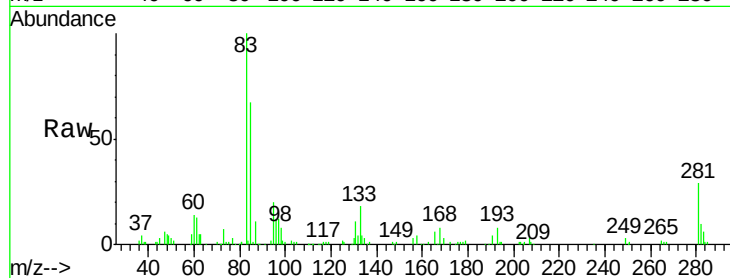
Tot Ion: 83 Resp: 159479

Ion Ratio Lower Upper

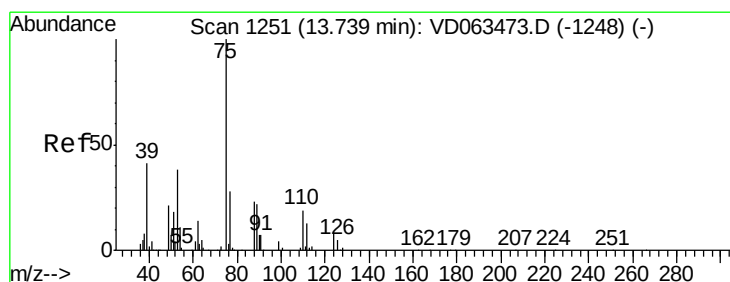
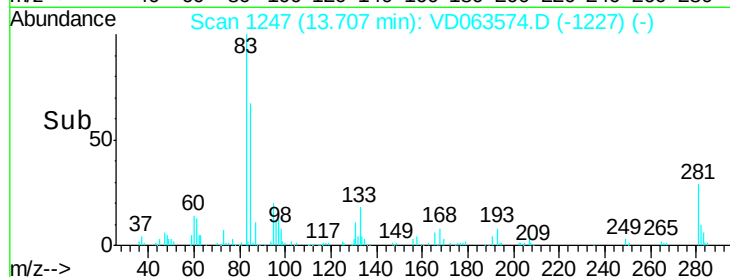
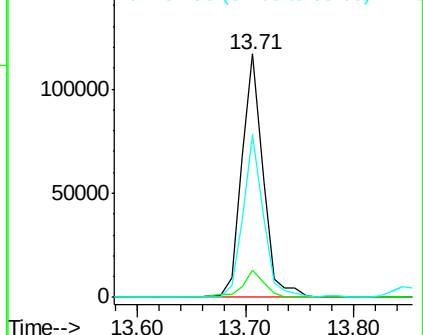
83 100

131 11.2 5.3 15.8

85 67.1 31.4 94.3



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: 21.070 ug/l

RT: 13.74 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD063574.D

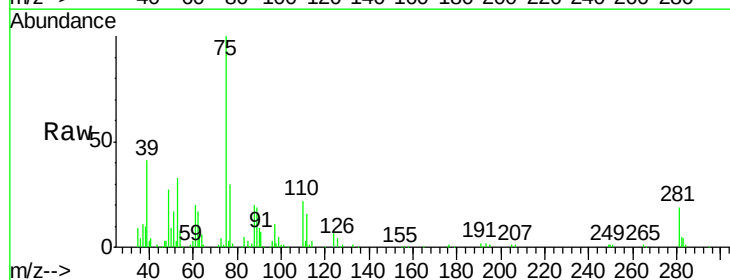
Acq: 14 Aug 2019 15:22

Tgt Ion: 75 Resp: 167692

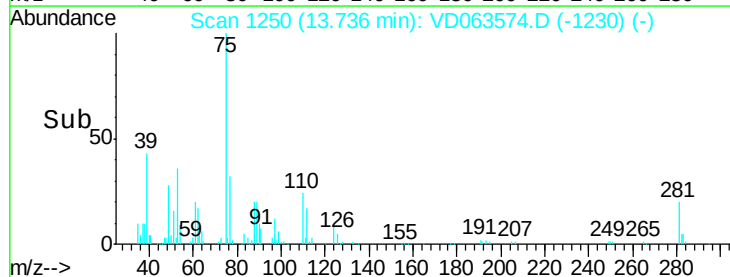
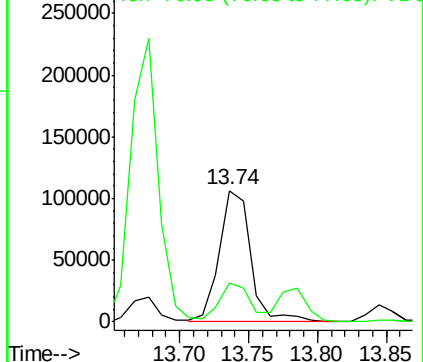
Ion Ratio Lower Upper

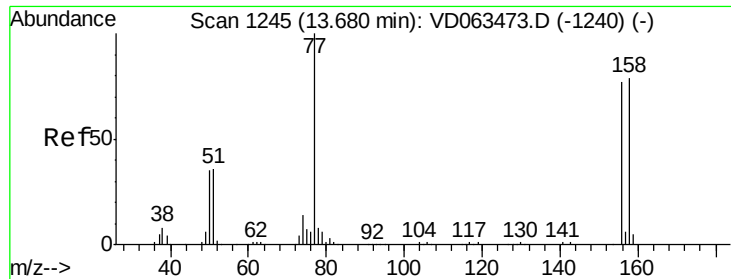
75 100

77 29.8 15.1 45.3



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





#77

Bromobenzene

Concen: 21.902 ug/l

RT: 13.68 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleId :

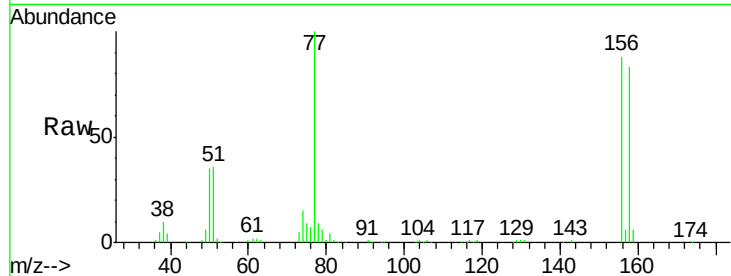
Tot Ion:156 Resp: 264020

Ion Ratio Lower Upper

156 100

77 113.3 64.6 193.8

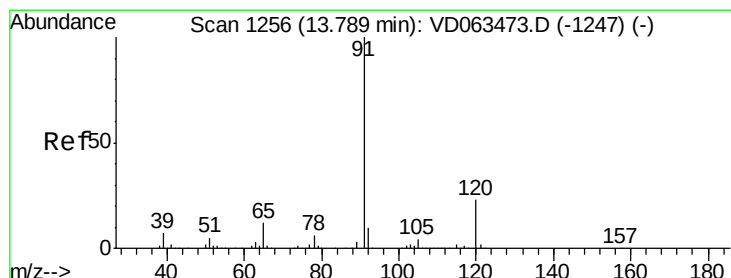
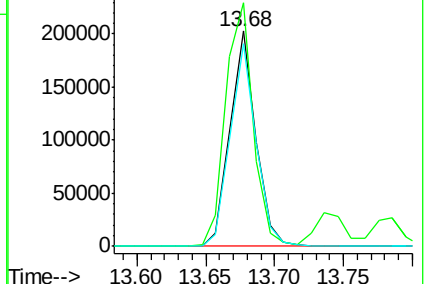
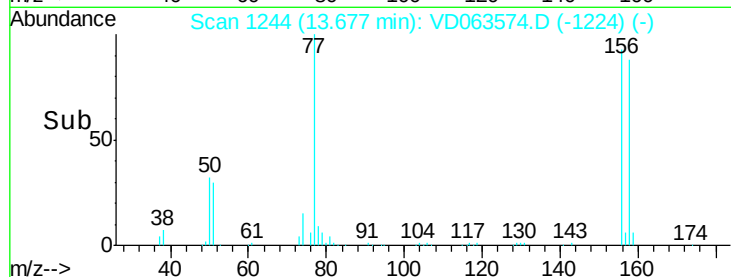
158 94.5 50.9 152.7



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.293 ug/l

RT: 13.79 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD063574.D

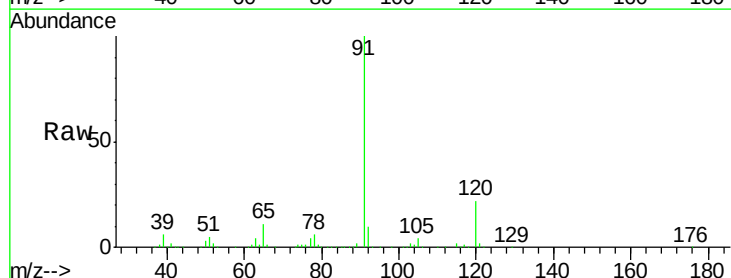
Acq: 14 Aug 2019 15:22

Tgt Ion: 91 Resp: 944055

Ion Ratio Lower Upper

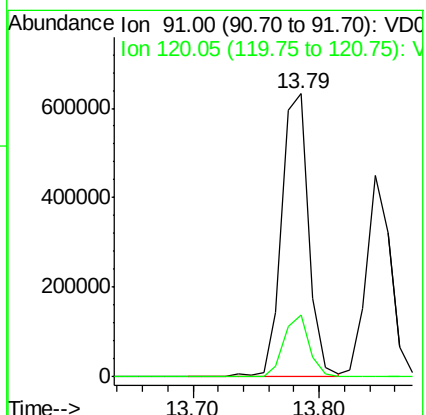
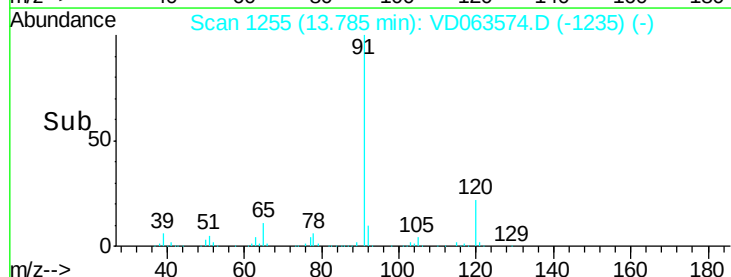
91 100

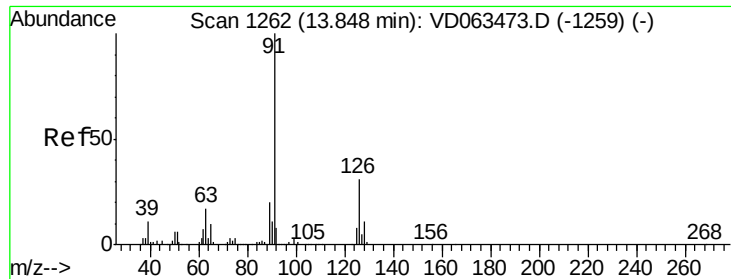
120 21.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.306 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

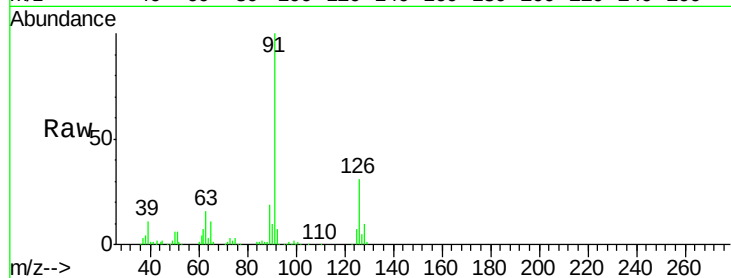
ClientSampleId :

Tot Ion: 91 Resp: 604221

Ion Ratio Lower Upper

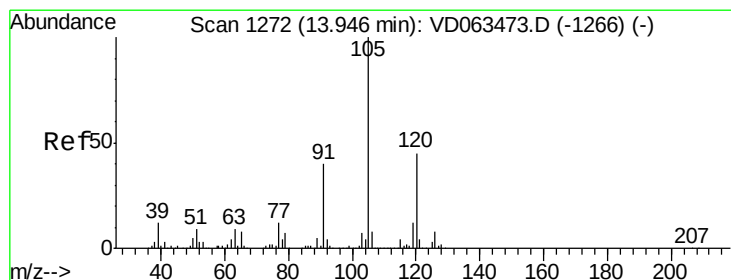
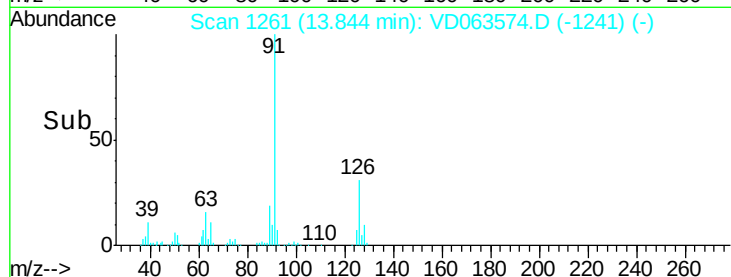
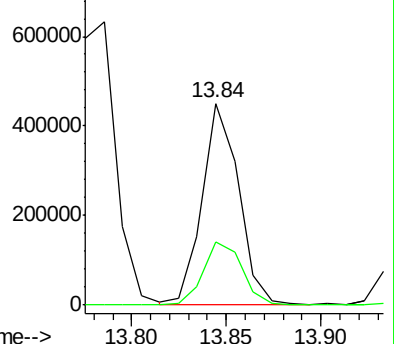
91 100

126 31.4 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1259) (-)

Ion 125.95 (125.65 to 126.65): VD063473.D (-1259) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.118 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD063574.D

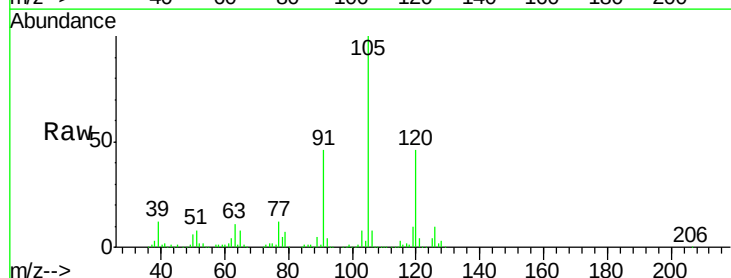
Acq: 14 Aug 2019 15:22

Tgt Ion:105 Resp: 813862

Ion Ratio Lower Upper

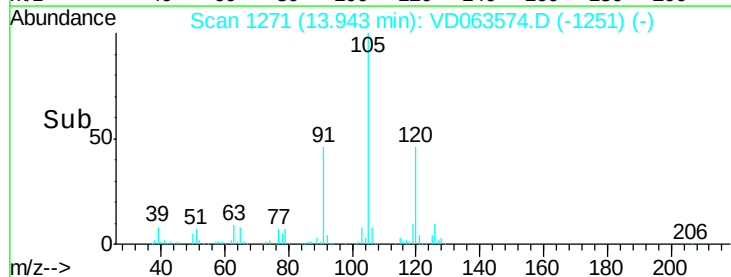
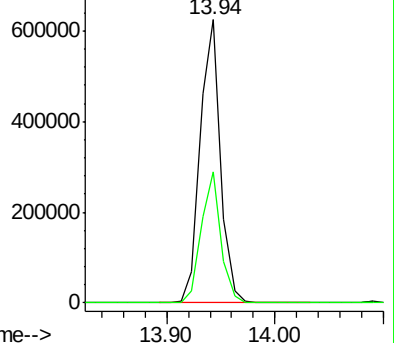
105 100

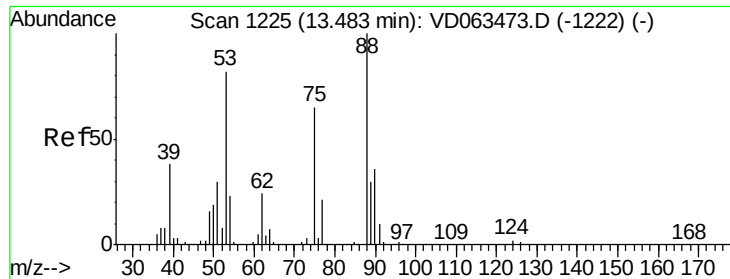
120 46.2 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

Ion 120.05 (119.75 to 120.75): VD063473.D (-1266) (-)

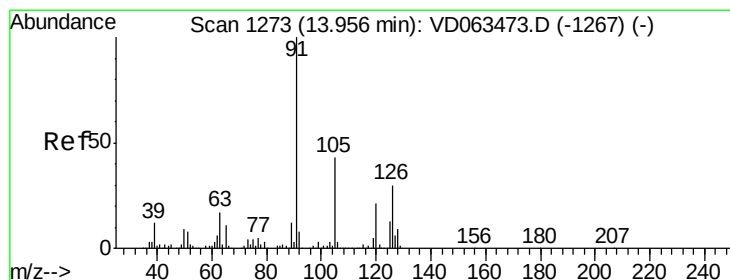
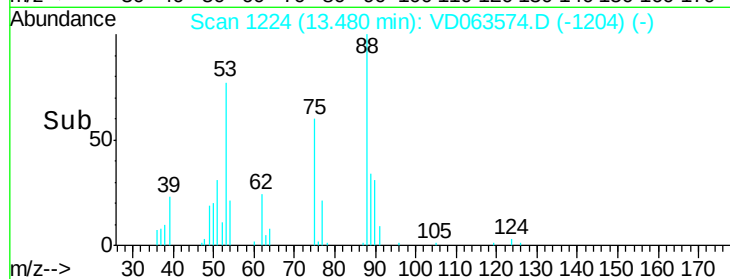
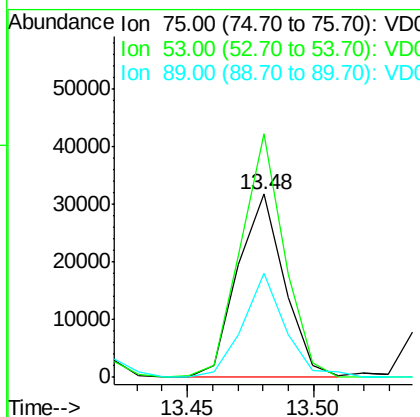
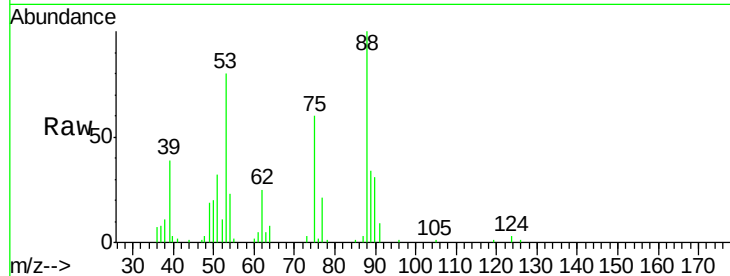




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.233 ug/l  
RT: 13.48 min Scan# 1224  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

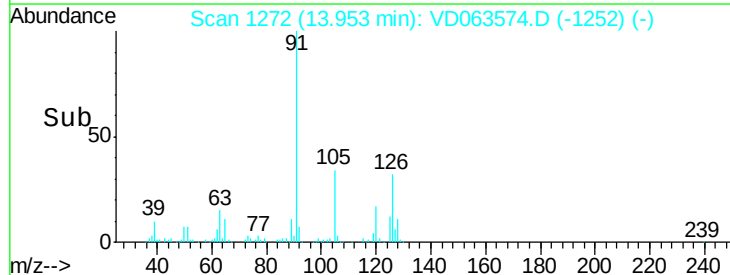
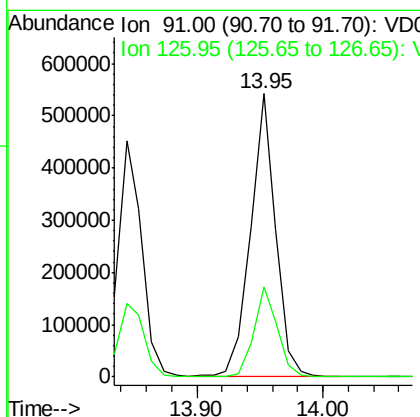
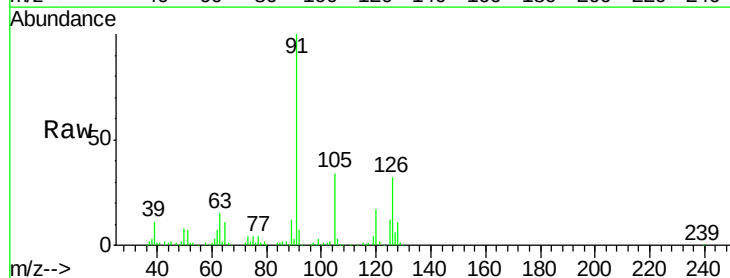
Instrument :  
MSVOA\_D  
ClientSampled :

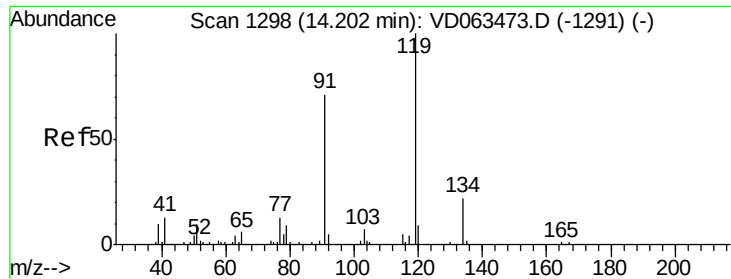
Tot Ion: 75 Resp: 41141  
Ion Ratio Lower Upper  
75 100  
53 133.0 101.0 151.4  
89 57.0 37.0 55.6#



#82  
4-Chlorotoluene  
Concen: 20.769 ug/l  
RT: 13.95 min Scan# 1272  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion: 91 Resp: 743147  
Ion Ratio Lower Upper  
91 100  
126 31.6 15.2 45.6

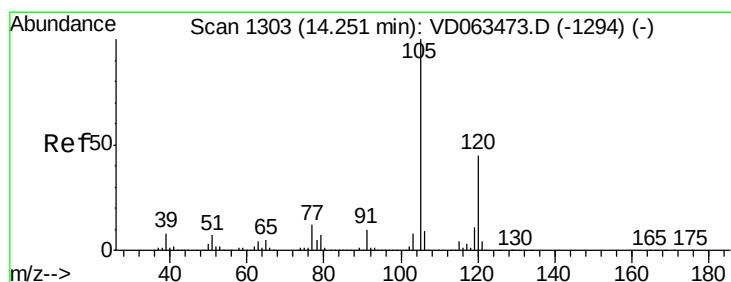
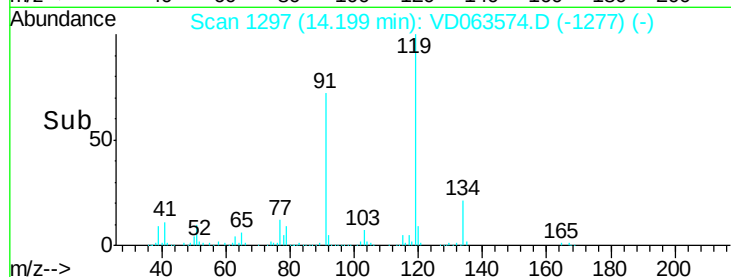
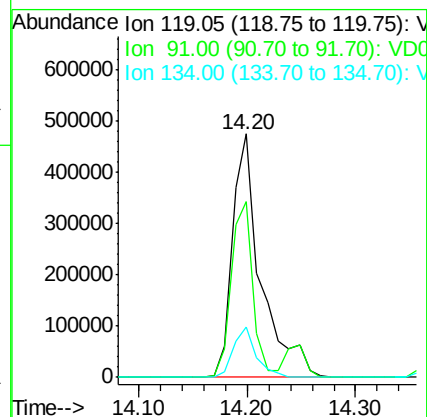
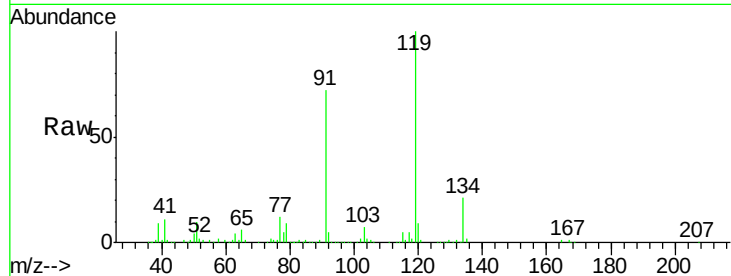




#83  
 tert-Butylbenzene  
 Concen: 21.256 ug/l  
 RT: 14.20 min Scan# 1297  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

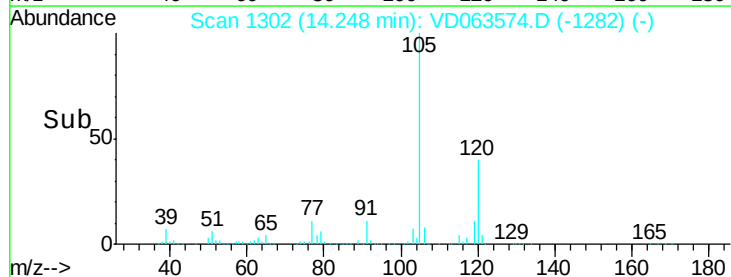
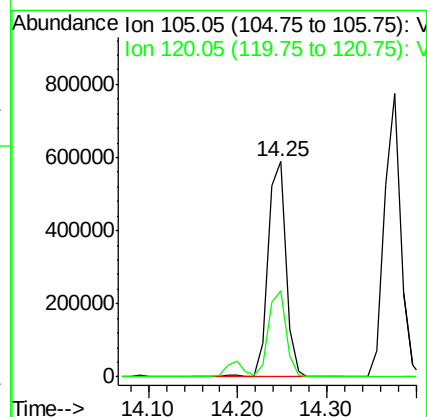
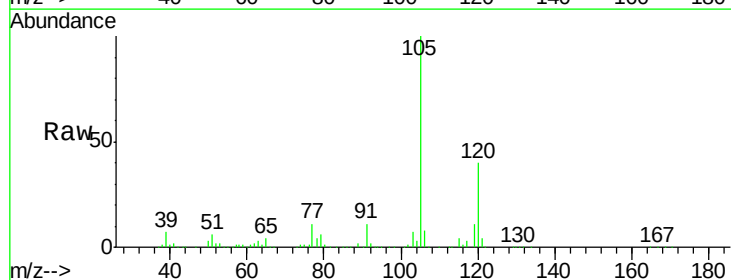
Instrument :  
 MSVOA\_D  
 ClientSampleId :

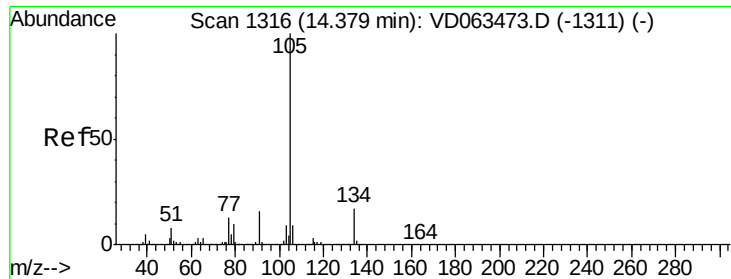
Tot Ion:119 Resp: 862618  
 Ion Ratio Lower Upper  
 119 100  
 91 72.5 35.5 106.7  
 134 20.8 11.1 33.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 22.648 ug/l  
 RT: 14.25 min Scan# 1302  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Tgt Ion:105 Resp: 807589  
 Ion Ratio Lower Upper  
 105 100  
 120 39.9 22.7 68.1





#85

sec-Butylbenzene

Concen: 22.462 ug/l

RT: 14.38 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

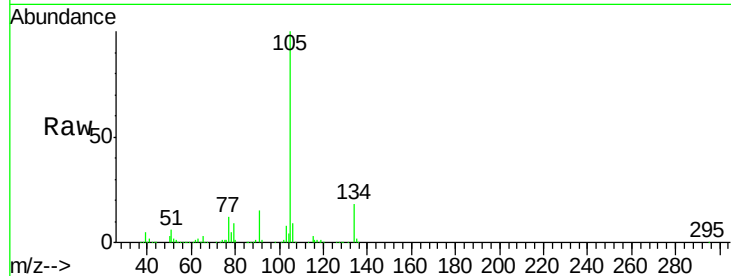
ClientSampleId :

Tot Ion:105 Resp: 968056

Ion Ratio Lower Upper

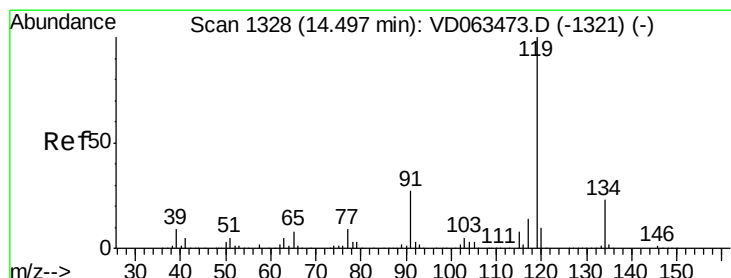
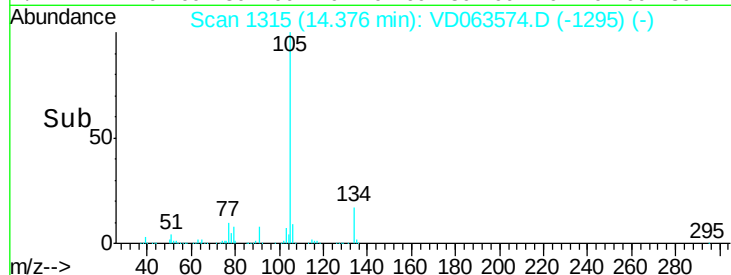
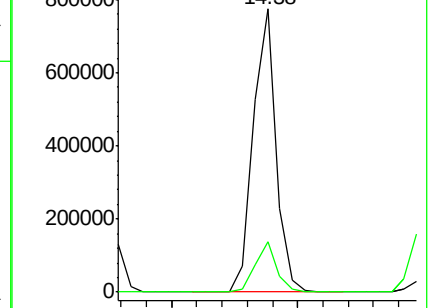
105 100

134 18.0 8.3 24.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 20.621 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

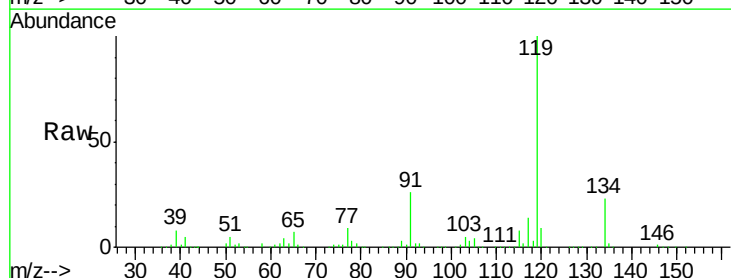
Tgt Ion:119 Resp: 849771

Ion Ratio Lower Upper

119 100

134 22.7 11.3 33.8

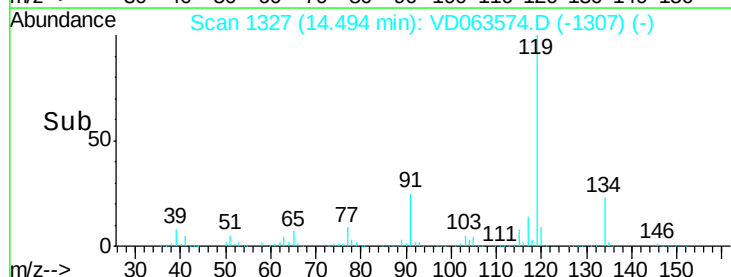
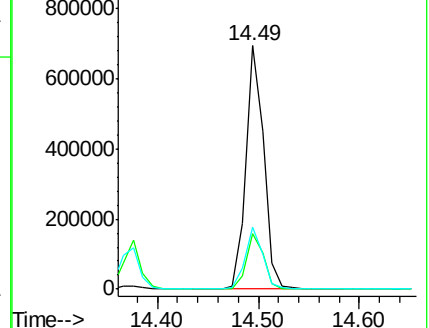
91 25.6 13.5 40.4

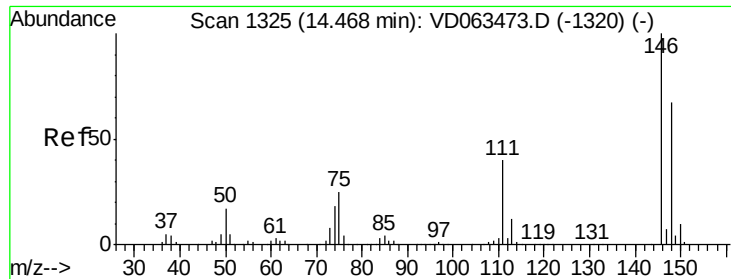


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

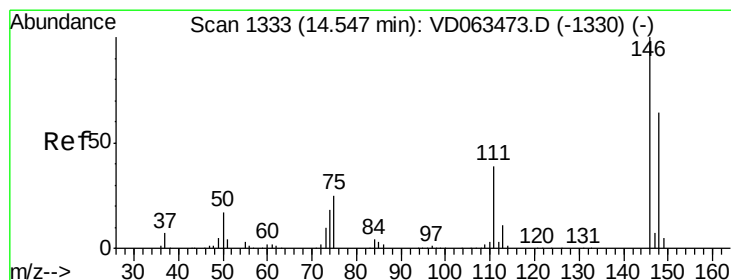
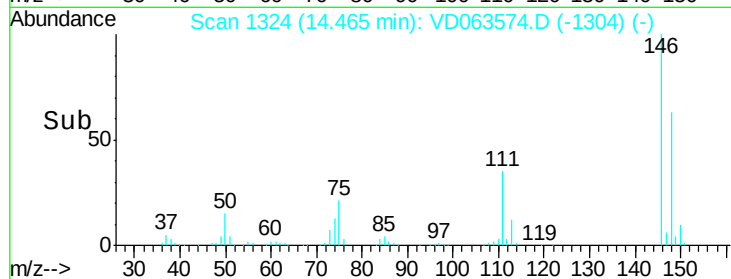
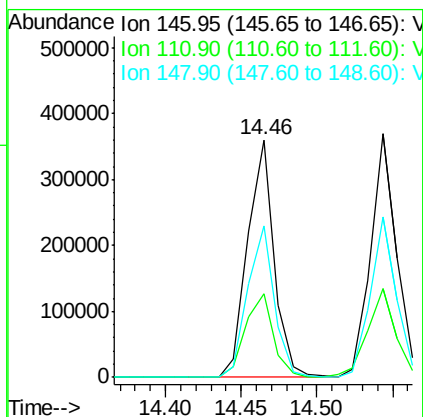
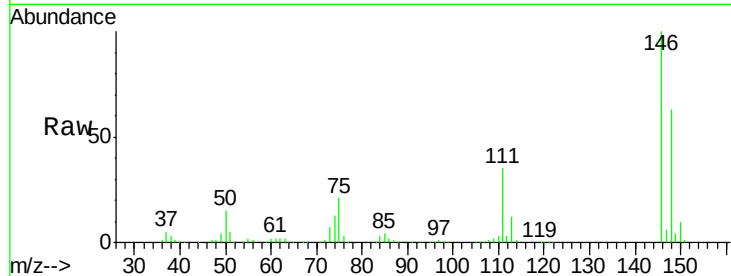




#87  
 1,3-Dichlorobenzene  
 Concen: 20.135 ug/l  
 RT: 14.46 min Scan# 1324  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

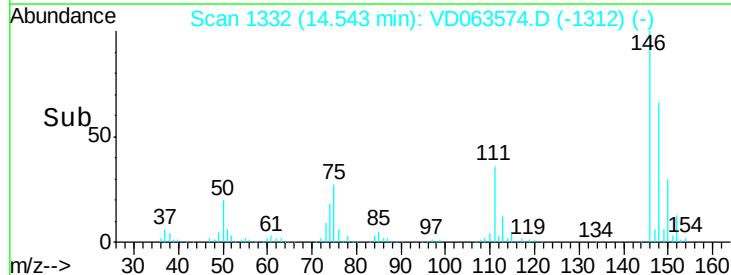
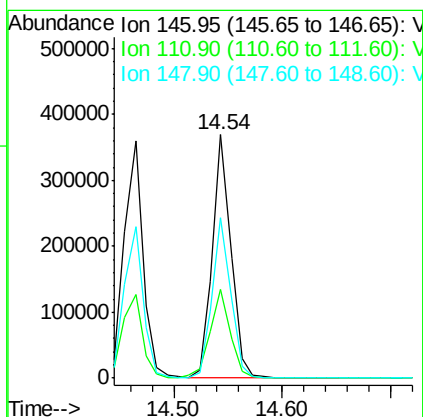
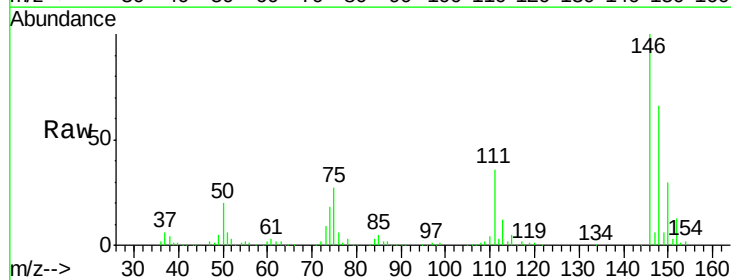
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:146 Resp: 439038  
 Ion Ratio Lower Upper  
 146 100  
 111 34.9 20.0 60.0  
 148 63.5 33.6 100.6

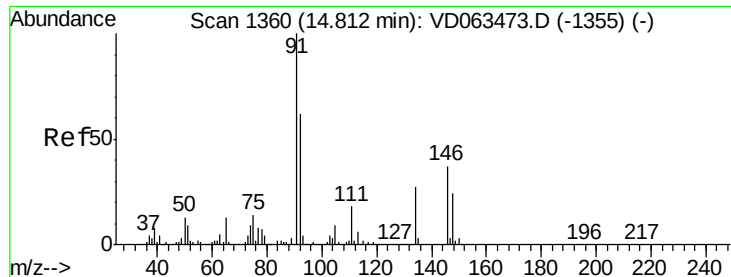


#88  
 1,4-Dichlorobenzene  
 Concen: 21.189 ug/l  
 RT: 14.54 min Scan# 1332  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Tgt Ion:146 Resp: 443281  
 Ion Ratio Lower Upper  
 146 100  
 111 36.5 19.7 59.0  
 148 65.9 32.1 96.3







#89

n-Butylbenzene

Concen: 20.702 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VD063574.D

Acq: 14 Aug 2019 15:22

Instrument :

MSVOA\_D

ClientSampleID :

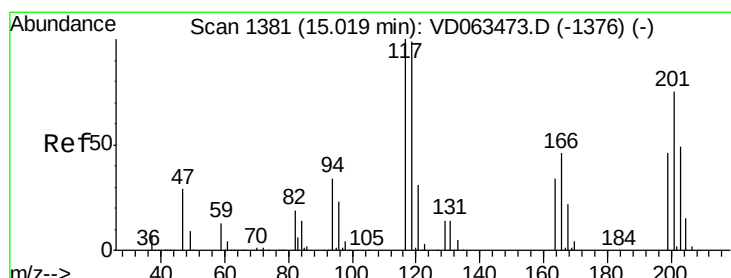
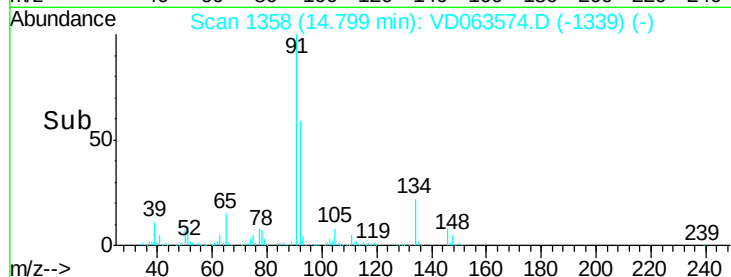
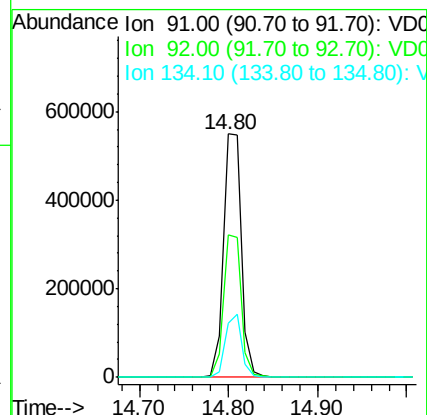
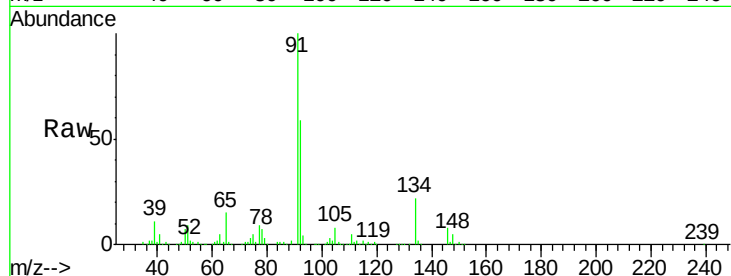
Tot Ion: 91 Resp: 778580

Ion Ratio Lower Upper

91 100

92 58.7 30.8 92.3

134 22.1 13.4 40.2



#90

Hexachloroethane

Concen: 19.884 ug/l

RT: 15.02 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD063574.D

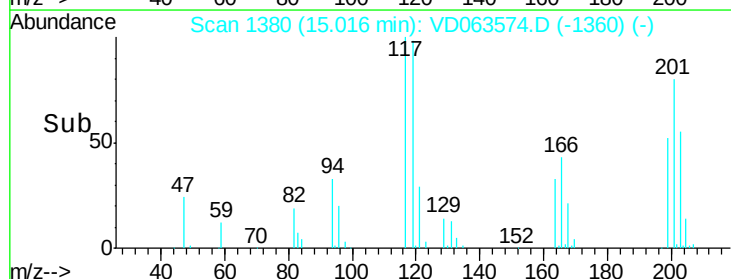
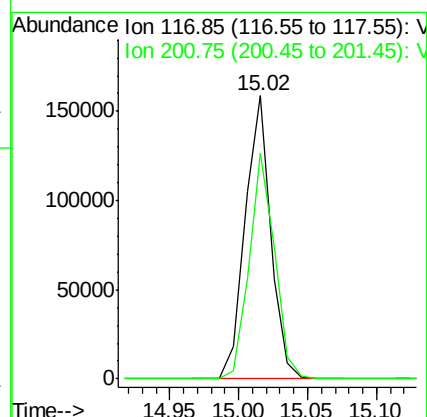
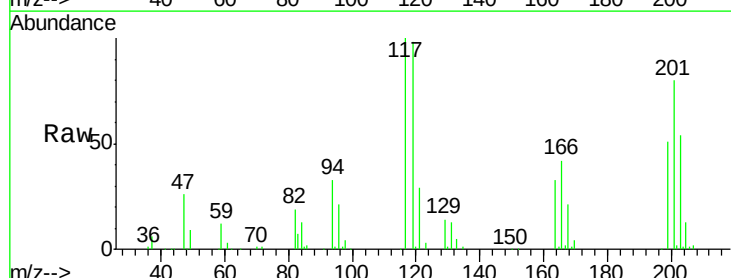
Acq: 14 Aug 2019 15:22

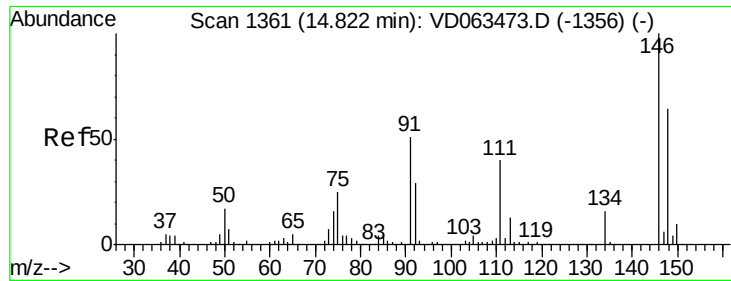
Tgt Ion: 117 Resp: 205954

Ion Ratio Lower Upper

117 100

201 79.6 37.5 112.5

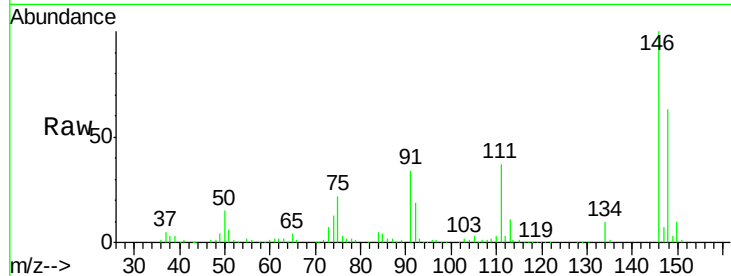




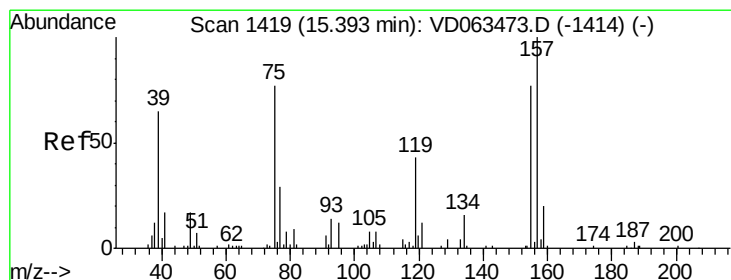
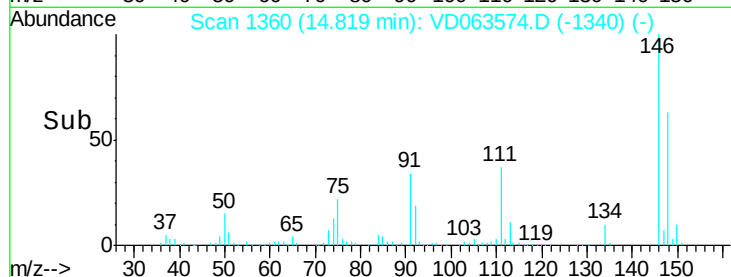
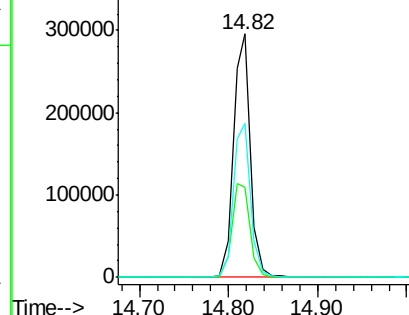
#91  
 1,2-Dichlorobenzene  
 Concen: 21.469 ug/l  
 RT: 14.82 min Scan# 1360  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.8  | 20.2  | 60.6  |
| 148     | 63.0  | 32.1  | 96.5  |

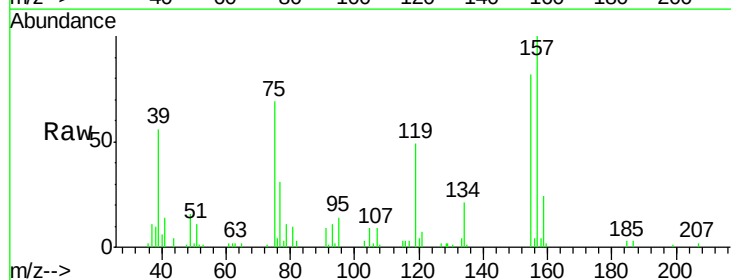


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

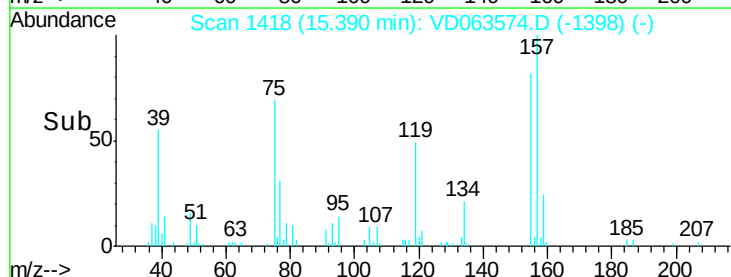
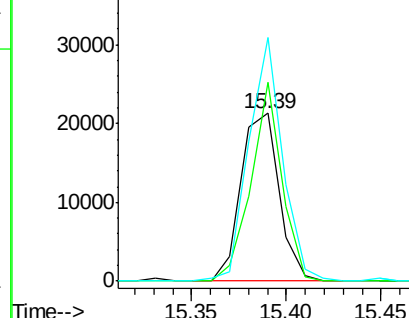


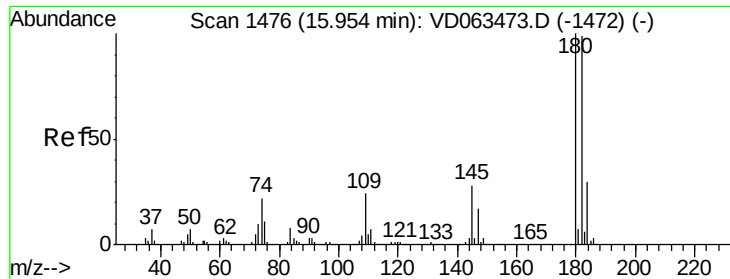
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 21.505 ug/l  
 RT: 15.39 min Scan# 1418  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 118.2 | 50.1  | 150.3 |
| 157     | 145.0 | 65.0  | 195.1 |



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

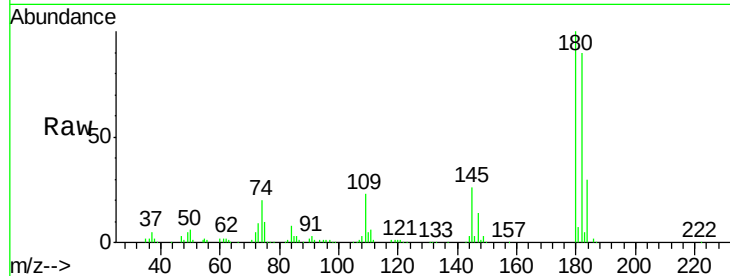




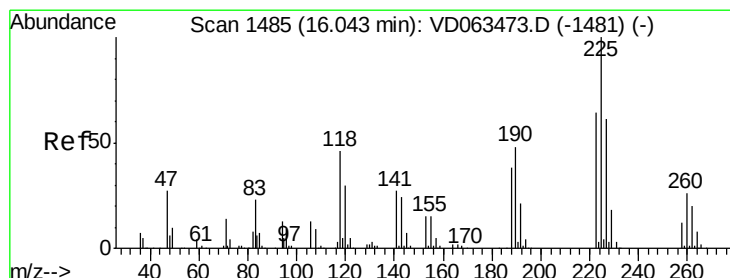
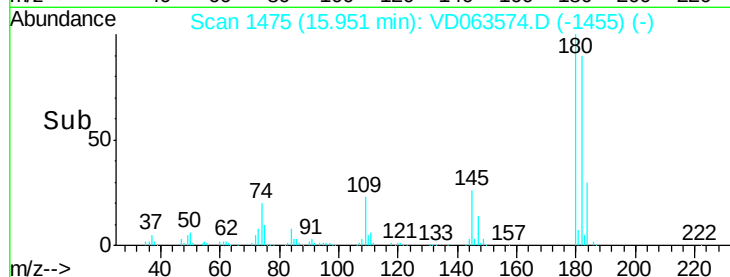
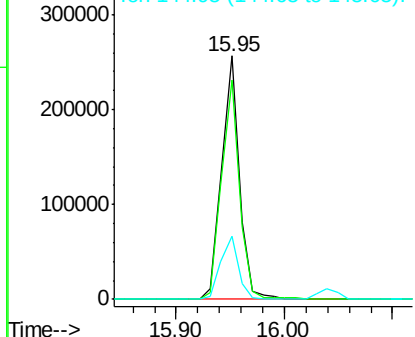
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.523 ug/l  
 RT: 15.95 min Scan# 1475  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:180 Resp: 292986  
 Ion Ratio Lower Upper  
 180 100  
 182 90.0 49.7 149.1  
 145 25.9 14.1 42.2

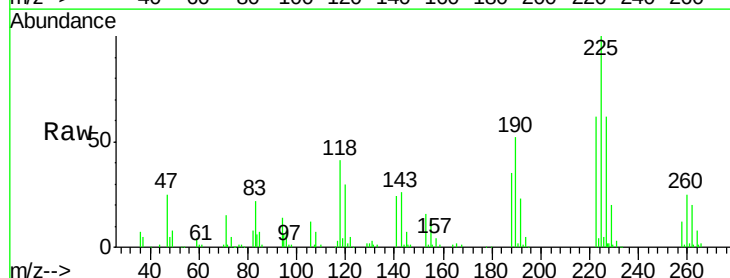


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

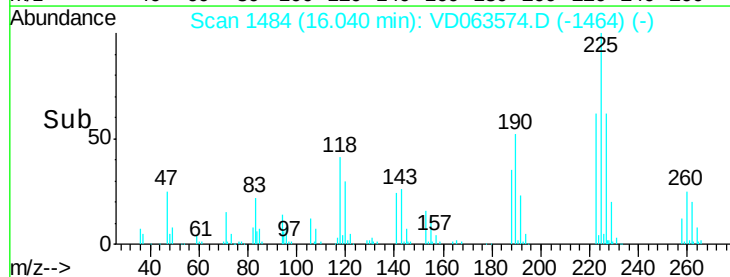
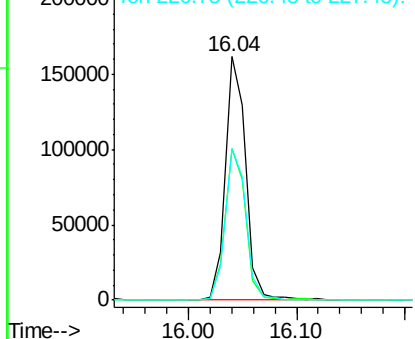


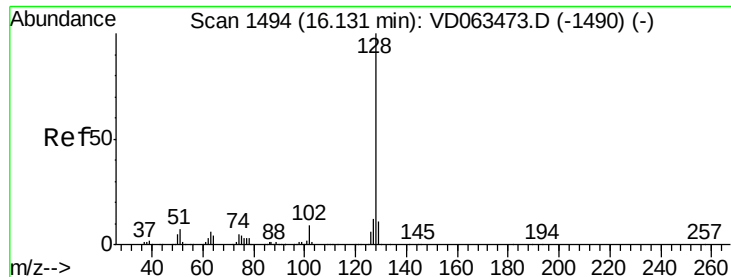
#94  
 Hexachlorobutadiene  
 Concen: 20.249 ug/l  
 RT: 16.04 min Scan# 1484  
 Delta R.T. -0.00 min  
 Lab File: VD063574.D  
 Acq: 14 Aug 2019 15:22

Tgt Ion:225 Resp: 210079  
 Ion Ratio Lower Upper  
 225 100  
 223 62.2 31.9 95.5  
 227 62.2 30.7 92.1



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

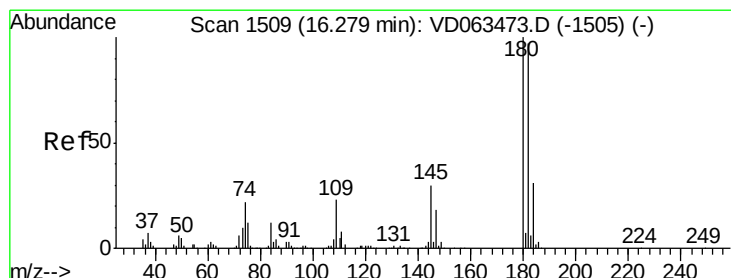
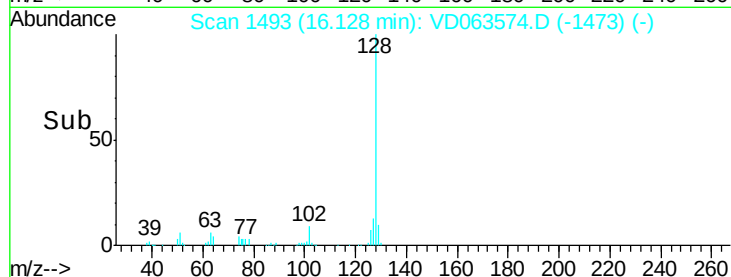
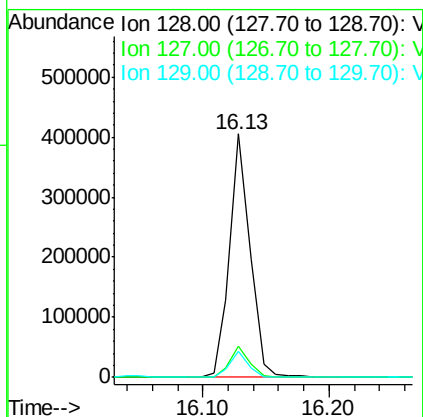
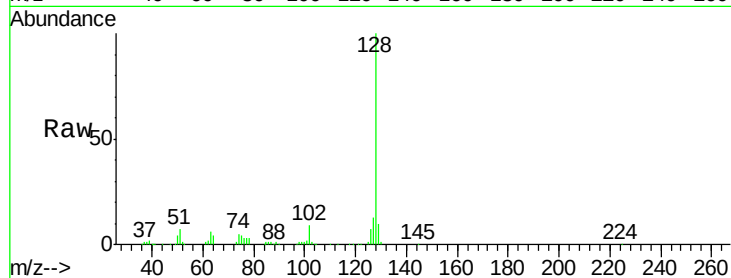




#95  
Naphthalene  
Concen: 22.172 ug/l  
RT: 16.13 min Scan# 1493  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:128 Resp: 457404  
Ion Ratio Lower Upper  
128 100  
127 12.8 9.4 14.0  
129 10.5 8.5 12.7



#96  
1,2,3-Trichlorobenzene  
Concen: 21.526 ug/l  
RT: 16.28 min Scan# 1508  
Delta R.T. -0.00 min  
Lab File: VD063574.D  
Acq: 14 Aug 2019 15:22

Tgt Ion:180 Resp: 236672  
Ion Ratio Lower Upper  
180 100  
182 103.1 48.4 145.2  
145 28.9 14.9 44.9

