

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\  
 Data File : VD064323.D  
 Acq On : 21 Nov 2019 14:33  
 Operator : VA/SY  
 Sample : VD1121SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 22 00:41:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 12 02:43:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 637144   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 895104   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 772514   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 375212   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.34   | 65  | 257715   | 49.18 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 98.36%  |      |
| 35) Dibromofluoromethane  | 7.92   | 113 | 257706   | 50.16 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.32% |      |
| 50) Toluene-d8            | 10.34  | 98  | 970603   | 50.08 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.16% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 322520   | 48.05 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.10%  |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 101340  | 19.178  | ug/l | 99     |
| 3) Chloromethane              | 2.21 | 50  | 131279  | 23.161  | ug/l | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 152227  | 25.115  | ug/l | 95     |
| 5) Bromomethane               | 2.76 | 94  | 97633   | 25.509  | ug/l | 93     |
| 6) Chloroethane               | 2.92 | 64  | 97750   | 25.239  | ug/l | 95     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 252731  | 25.718  | ug/l | 98     |
| 8) Diethyl Ether              | 3.71 | 74  | 57673   | 21.344  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 123155  | 21.926  | ug/l | 99     |
| 10) Methyl Iodide             | 4.29 | 142 | 116482  | 19.461  | ug/l | 99     |
| 11) Tert butyl alcohol        | 5.24 | 59  | 38189   | 104.341 | ug/l | 96     |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 116218  | 21.708  | ug/l | 94     |
| 13) Acrolein                  | 3.92 | 56  | 21277   | 68.718  | ug/l | 95     |
| 14) Allyl chloride            | 4.70 | 41  | 187106  | 19.766  | ug/l | 95     |
| 15) Acrylonitrile             | 5.43 | 53  | 127096  | 110.334 | ug/l | 98     |
| 16) Acetone                   | 4.17 | 43  | 103865  | 83.668  | ug/l | 92     |
| 17) Carbon Disulfide          | 4.40 | 76  | 320327  | 19.213  | ug/l | 100    |
| 18) Methyl Acetate            | 4.72 | 43  | 75484   | 21.771  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 269805  | 21.110  | ug/l | 94     |
| 20) Methylene Chloride        | 4.97 | 84  | 131344  | 20.946  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 124676  | 20.554  | ug/l | 98     |
| 22) Diisopropyl ether         | 6.37 | 45  | 360426  | 20.521  | ug/l | 95     |
| 23) Vinyl Acetate             | 6.31 | 43  | 1025868 | 104.785 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 213451  | 20.931  | ug/l | 99     |
| 25) 2-Butanone                | 7.22 | 43  | 156844  | 97.795  | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 199426  | 19.941  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 139825  | 21.496  | ug/l | 96     |
| 28) Bromochloromethane        | 7.54 | 49  | 56543   | 15.926  | ug/l | 96     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 106067  | 110.073 | ug/l | 99     |
| 30) Chloroform                | 7.71 | 83  | 231969  | 22.238  | ug/l | 100    |
| 31) Cyclohexane               | 7.98 | 56  | 204153  | 19.850  | ug/l | 91     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 212276  | 21.253  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 175962  | 21.300  | ug/l | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 74893   | 21.505  | ug/l | 97     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 187190  | 21.177  | ug/l | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\  
 Data File : VD064323.D  
 Acq On : 21 Nov 2019 14:33  
 Operator : VA/SY  
 Sample : VD1121SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Nov 22 00:41:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 12 02:43:24 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.36  | 83   | 216624   | 20.723  | ug/l   | 96       |
| 40) Benzene                    | 8.35  | 78   | 470395   | 20.835  | ug/l   | 97       |
| 41) Methacrylonitrile          | 7.53  | 41   | 43793    | 20.007  | ug/l   | 92       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 142682   | 21.042  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 149061   | 20.773  | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 147602   | 21.782  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 118314   | 21.530  | ug/l   | 100      |
| 46) Dibromomethane             | 9.48  | 93   | 64766    | 22.015  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.67  | 83   | 165818   | 20.925  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 67857    | 19.339  | ug/l   | 89       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 15127    | 428.129 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 364649   | 105.970 | ug/l   | 100      |
| 52) Toluene                    | 10.41 | 92   | 312789   | 21.069  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 161290   | 20.316  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 188475   | 20.344  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 85747    | 21.485  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 10.67 | 69   | 116732   | 20.909  | ug/l # | 93       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 151294   | 21.737  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 229054   | 101.285 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.99 | 43   | 244881   | 100.028 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 117480   | 21.096  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 85985    | 21.510  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 126272   | 21.253  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.67 | 112  | 332363   | 21.157  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.75 | 131  | 123097   | 20.608  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 597456   | 21.026  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 462020   | 42.420  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 212895   | 21.076  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 375113   | 21.274  | ug/l   | 98       |
| 71) Bromoform                  | 12.37 | 173  | 71211    | 20.948  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 594434   | 21.584  | ug/l   | 98       |
| 74) N-amyl acetate             | 12.30 | 43   | 135740   | 20.872  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 93306    | 22.484  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 121001   | 40.037  | ug/l # | 100      |
| 77) Bromobenzene               | 12.77 | 156  | 141909   | 21.210  | ug/l   | 98       |
| 78) n-propylbenzene            | 12.83 | 91   | 682318   | 21.685  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 372187   | 20.951  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 481164   | 21.262  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 31477    | 20.689  | ug/l   | 94       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 383361   | 20.690  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 419949   | 21.045  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 486261   | 21.765  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 571602   | 21.328  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 533006   | 20.919  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 262585   | 21.142  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 260564   | 21.496  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.86 | 91   | 494067   | 21.463  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 97175    | 20.637  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 228726   | 21.758  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 14818    | 19.971  | ug/l   | 93       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112119\  
Data File : VD064323.D  
Acq On : 21 Nov 2019 14:33  
Operator : VA/SY  
Sample : VD1121SBS01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

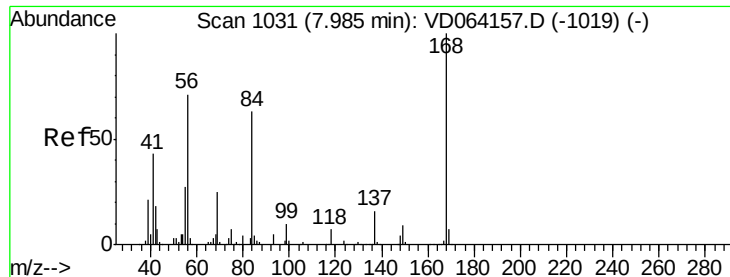
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Nov 22 00:41:18 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110819S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 12 02:43:24 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 173300   | 21.370 | ug/l  | 96       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 110268   | 21.052 | ug/l  | 97       |
| 95) Naphthalene            | 15.41 | 128  | 288941   | 21.736 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 147129   | 21.344 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

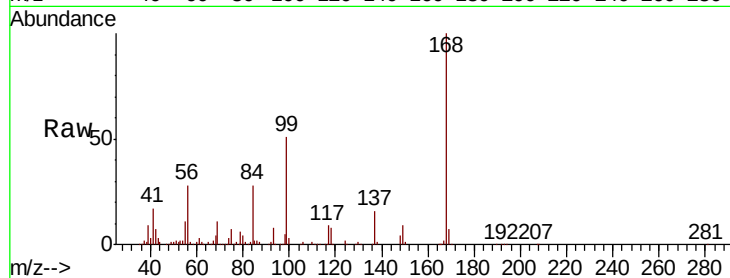
ClientSampleId :

Tot Ion:168 Resp: 637144

Ion Ratio Lower Upper

168 100

99 50.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

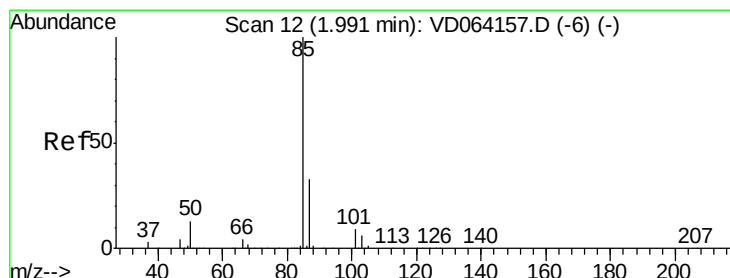
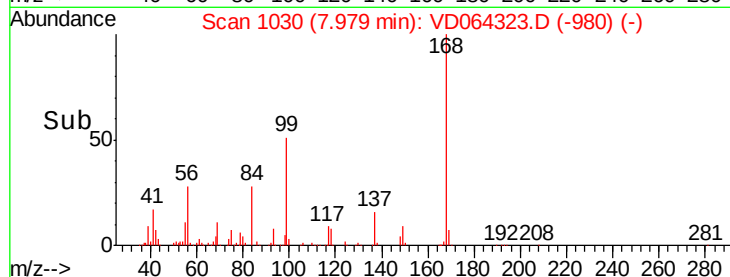
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.178 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064323.D

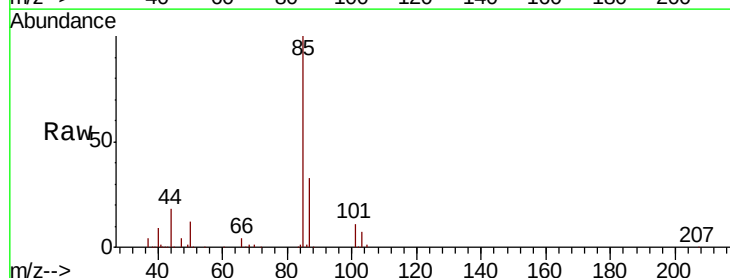
Acq: 21 Nov 2019 14:33

Tgt Ion: 85 Resp: 101340

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

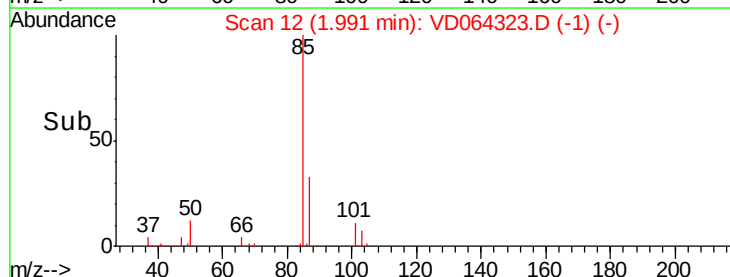
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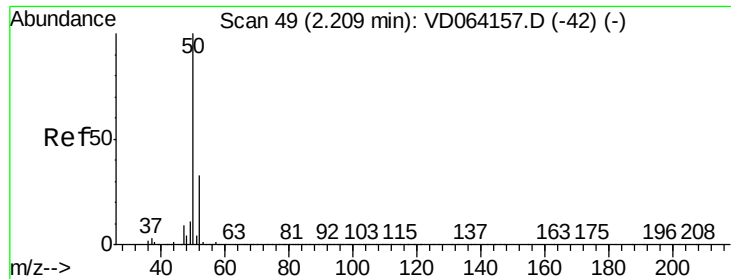
40000

20000

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Time-->





#3

Chloromethane

Concen: 23.161 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

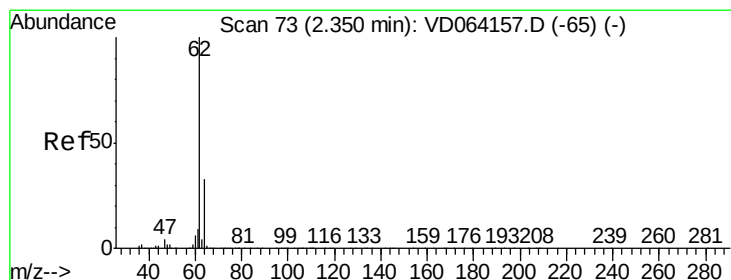
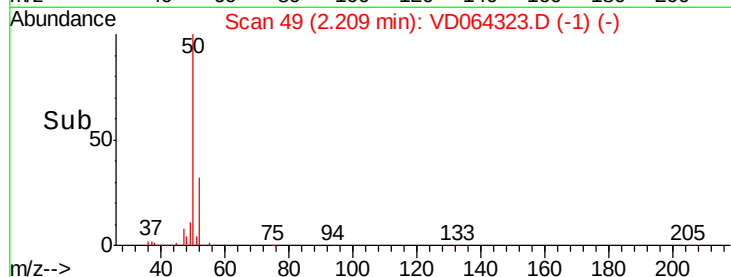
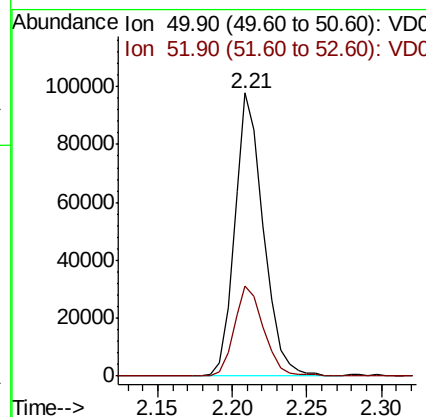
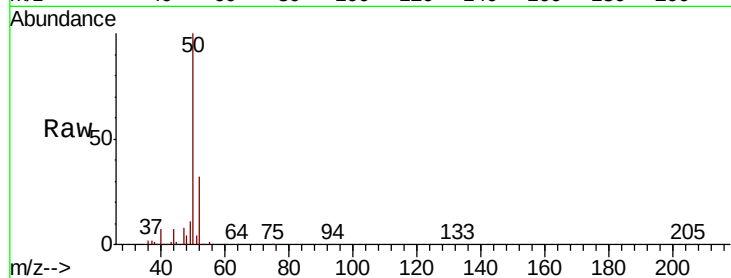
ClientSampled :

Tot Ion: 50 Resp: 131279

Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.4



#4

Vinyl Chloride

Concen: 25.115 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064323.D

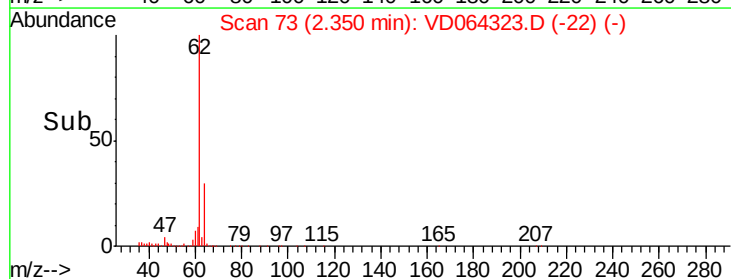
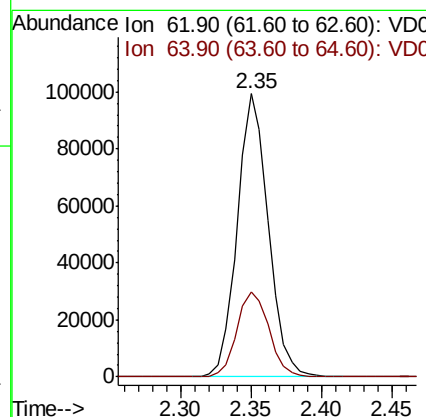
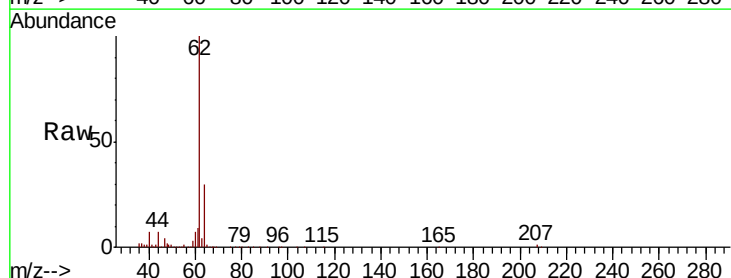
Acq: 21 Nov 2019 14:33

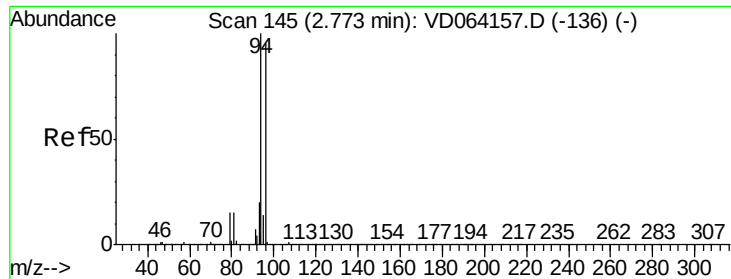
Tgt Ion: 62 Resp: 152227

Ion Ratio Lower Upper

62 100

64 29.9 26.2 39.2





#5

Bromomethane

Concen: 25.509 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

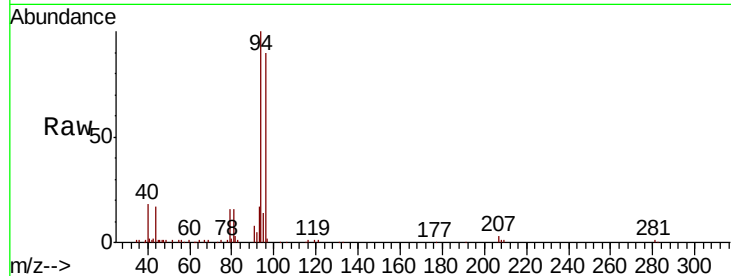
ClientSampleId :

Tot Ion: 94 Resp: 97633

Ion Ratio Lower Upper

94 100

96 89.0 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

30000

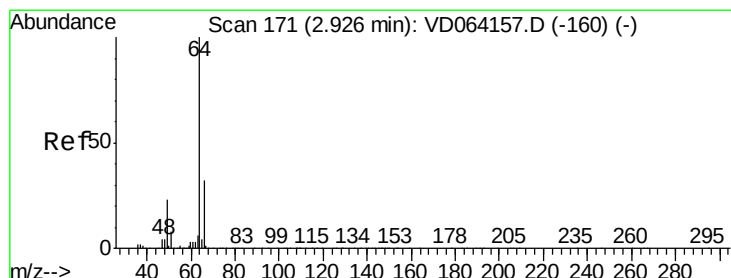
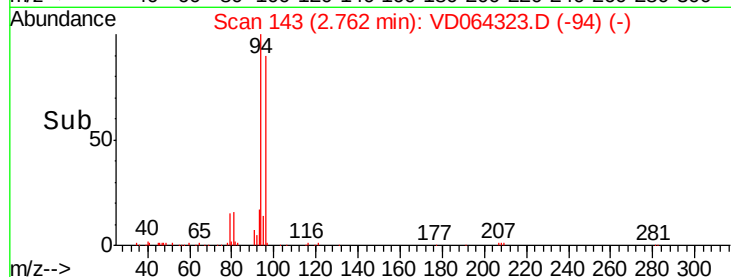
20000

10000

0

Time-->

2.70 2.80



#6

Chloroethane

Concen: 25.239 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064323.D

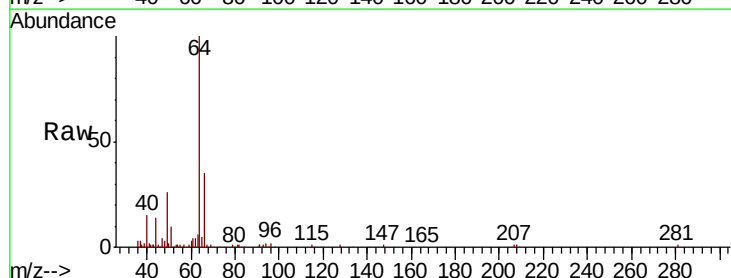
Acq: 21 Nov 2019 14:33

Tgt Ion: 64 Resp: 97750

Ion Ratio Lower Upper

64 100

66 34.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

50000

40000

30000

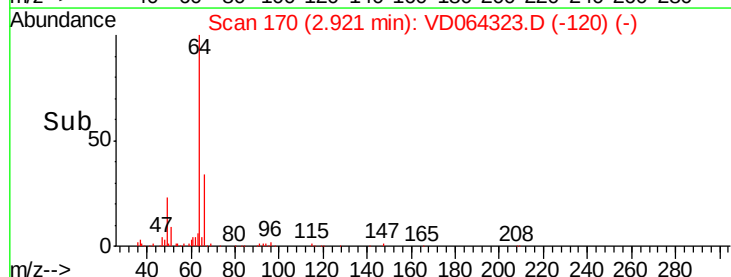
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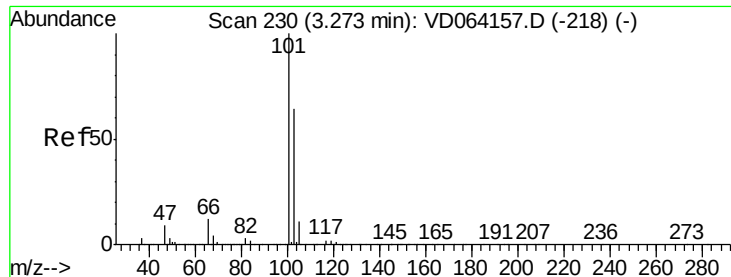
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0

Time-->

2.85 2.90 2.95 3.00



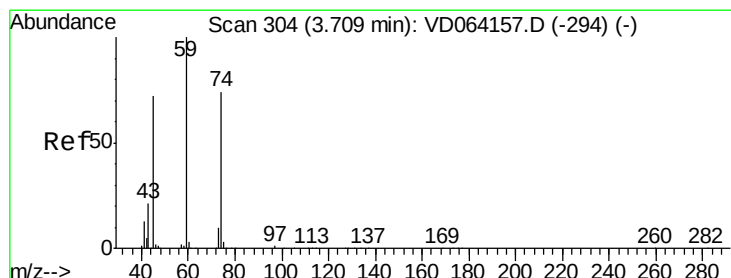
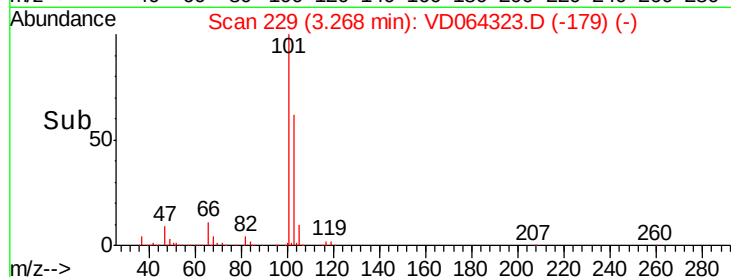
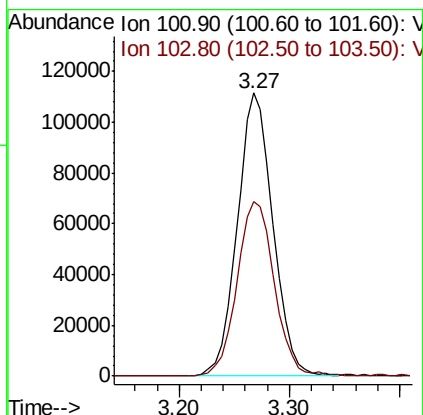
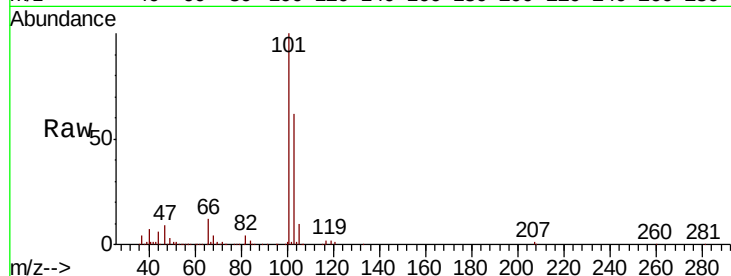


#7

Trichlorofluoromethane  
Concen: 25.718 ug/l  
RT: 3.27 min Scan# 229  
Delta R.T. -0.01 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Instrument :  
MSVOA\_D  
ClientSampleId :

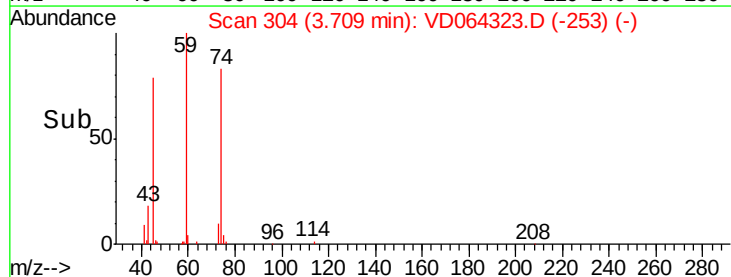
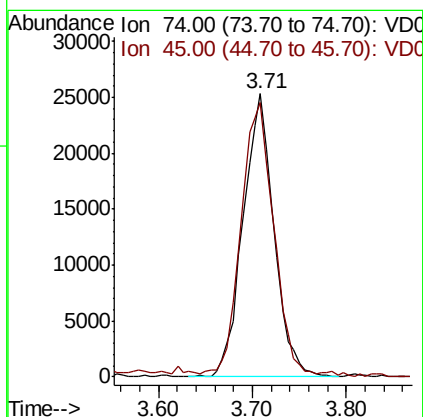
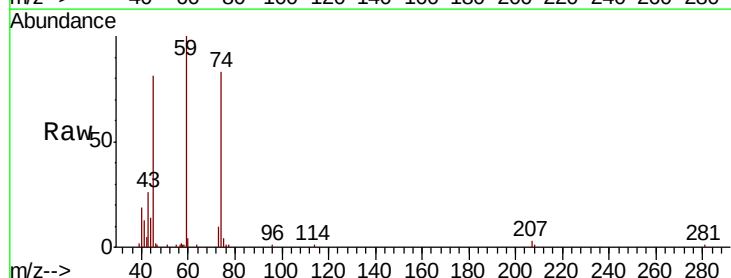
Tot Ion:101 Resp: 252731  
Ion Ratio Lower Upper  
101 100  
103 61.7 50.8 76.2



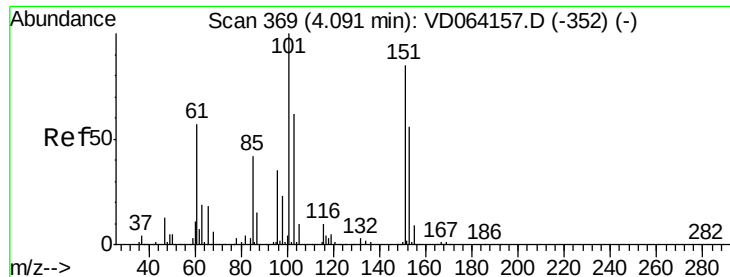
#8

Diethyl Ether  
Concen: 21.344 ug/l  
RT: 3.71 min Scan# 304  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 74 Resp: 57673  
Ion Ratio Lower Upper  
74 100  
45 99.0 47.9 143.7







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.926 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

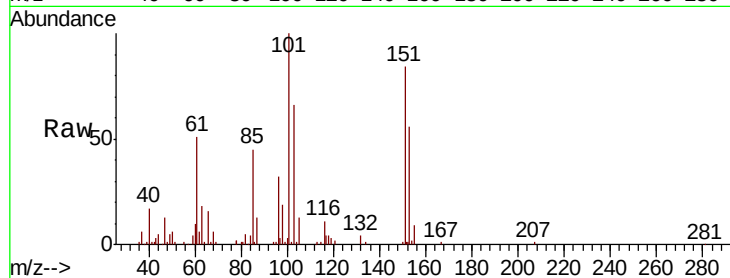
Tot Ion:101 Resp: 123155

Ion Ratio Lower Upper

101 100

85 44.5 34.4 51.6

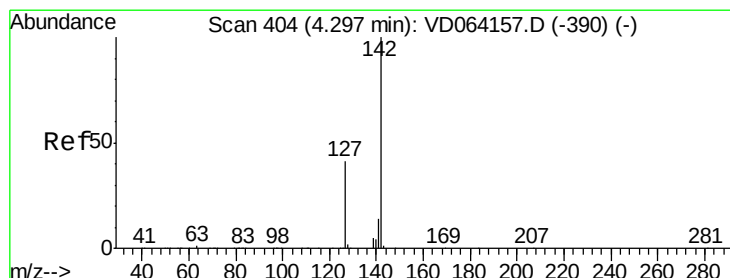
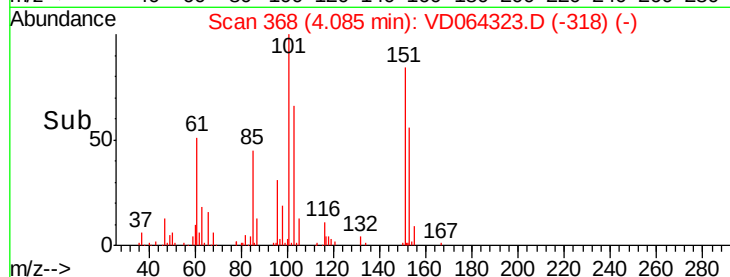
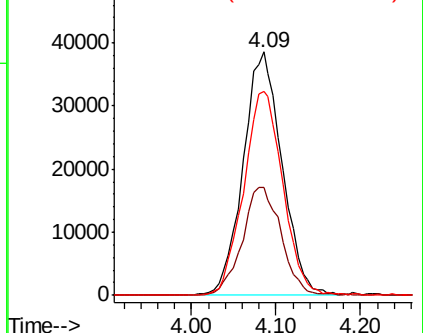
151 84.6 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.461 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

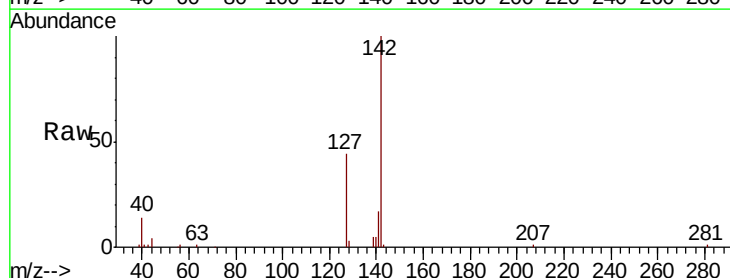
Tgt Ion:142 Resp: 116482

Ion Ratio Lower Upper

142 100

127 42.9 34.4 51.6

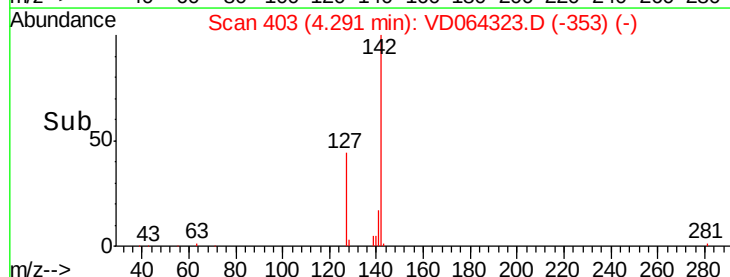
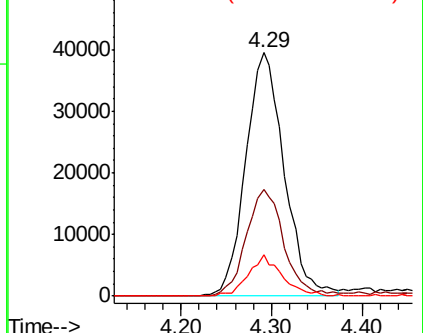
141 14.7 11.2 16.8

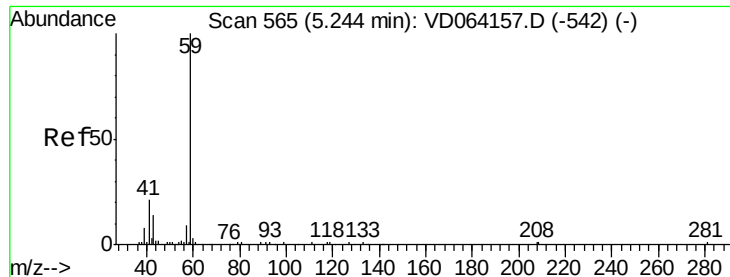


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



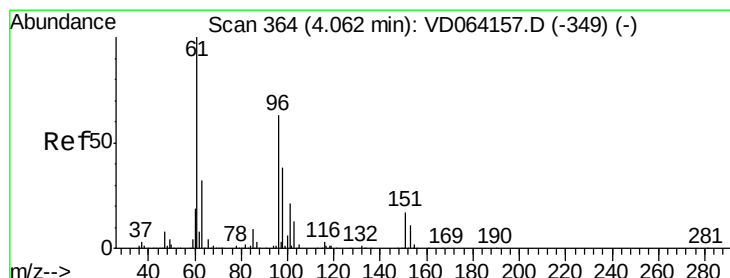
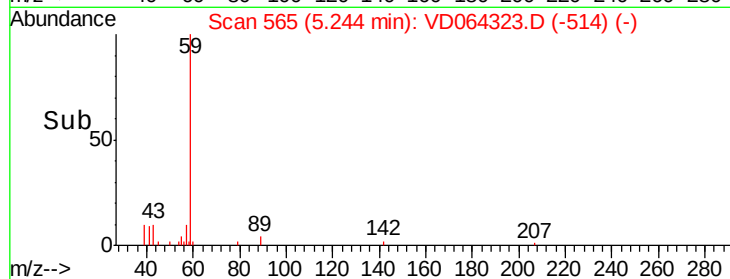
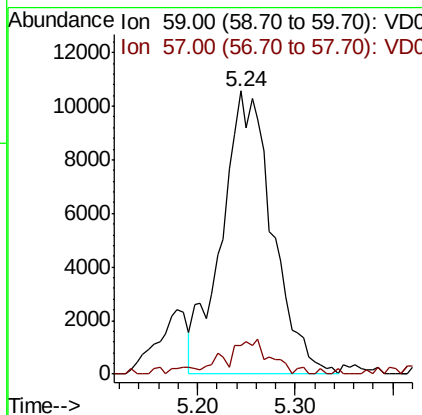
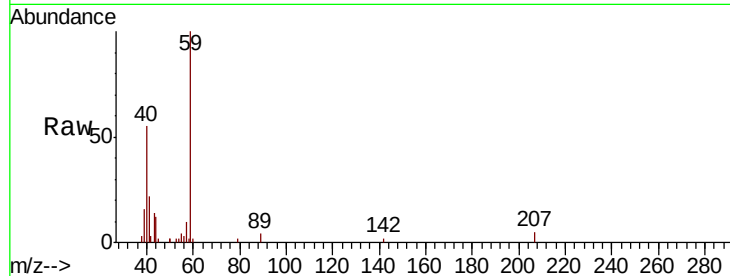


#11

Tert butyl alcohol  
 Concen: 104.341 ug/l  
 RT: 5.24 min Scan# 565  
 Delta R.T. 0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :

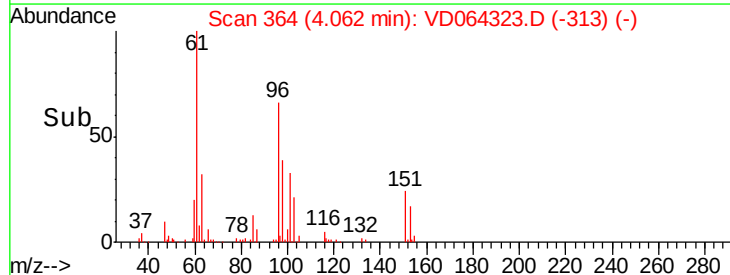
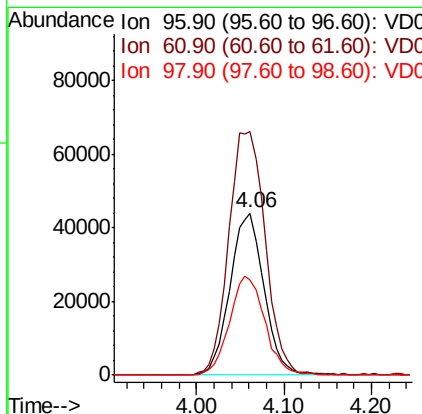
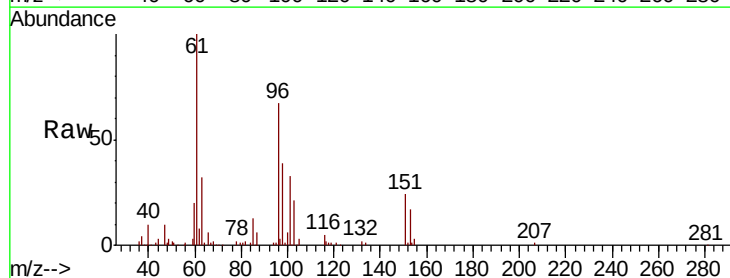
Tot Ion: 59 Resp: 38189  
 Ion Ratio Lower Upper  
 59 100  
 57 10.3 9.4 14.2

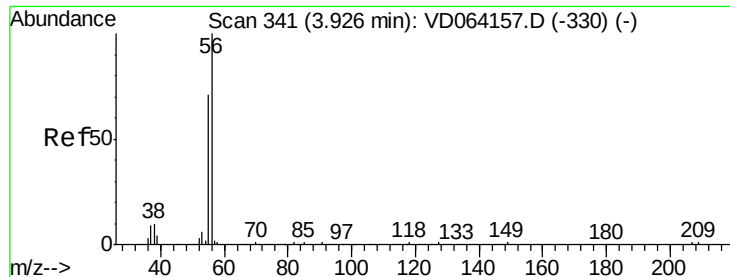


#12

1,1-Dichloroethene  
 Concen: 21.708 ug/l  
 RT: 4.06 min Scan# 364  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

Tgt Ion: 96 Resp: 116218  
 Ion Ratio Lower Upper  
 96 100  
 61 150.0 127.4 191.2  
 98 58.8 48.1 72.1





#13

Acrolein

Concen: 68.718 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

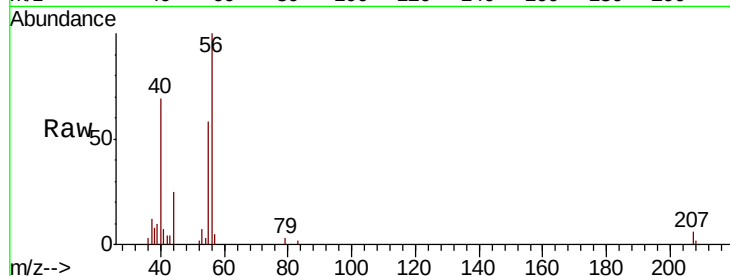
ClientSampleId :

Tot Ion: 56 Resp: 21277

Ion Ratio Lower Upper

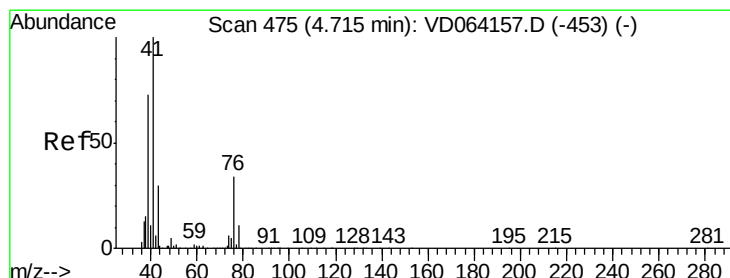
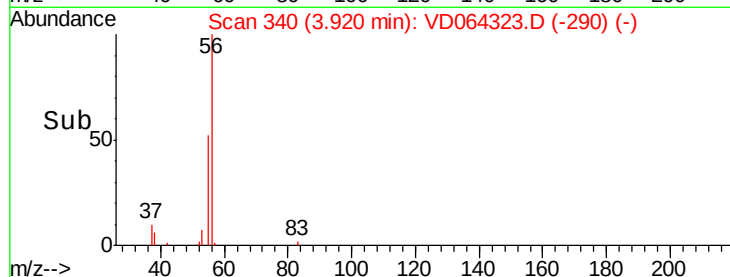
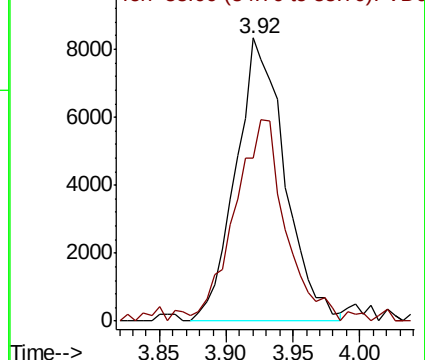
56 100

55 74.2 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.766 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

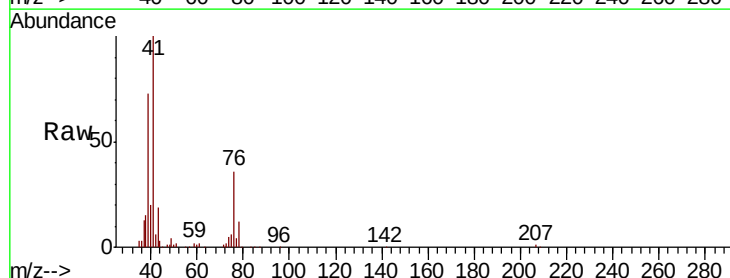
Tgt Ion: 41 Resp: 187106

Ion Ratio Lower Upper

41 100

39 76.3 57.5 86.3

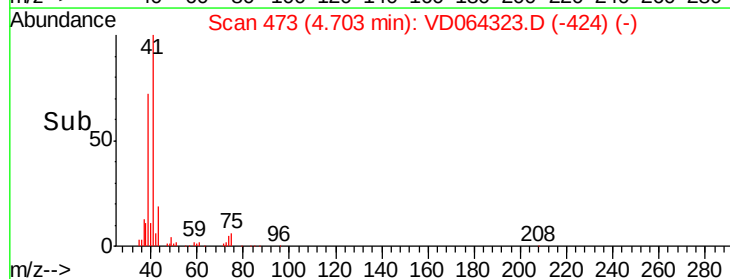
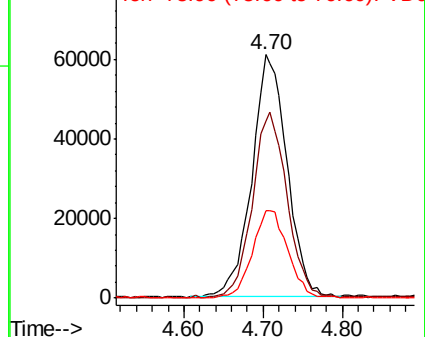
76 36.5 26.8 40.2

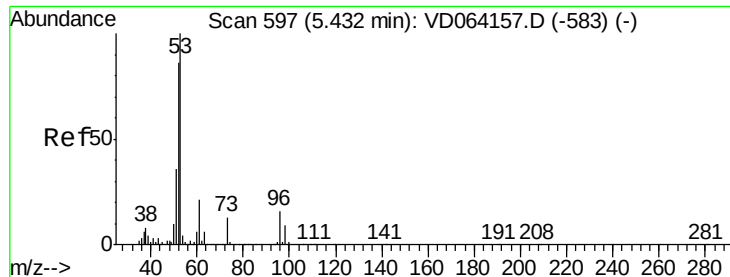


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 110.334 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

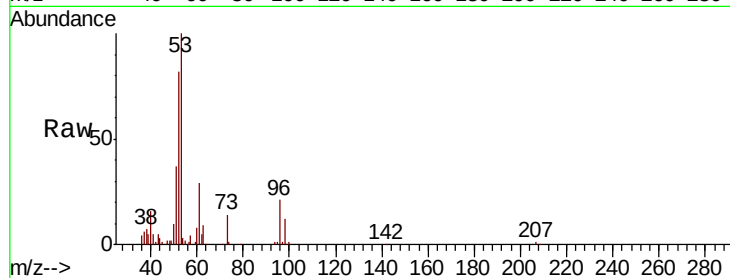
Tot Ion: 53 Resp: 127096

Ion Ratio Lower Upper

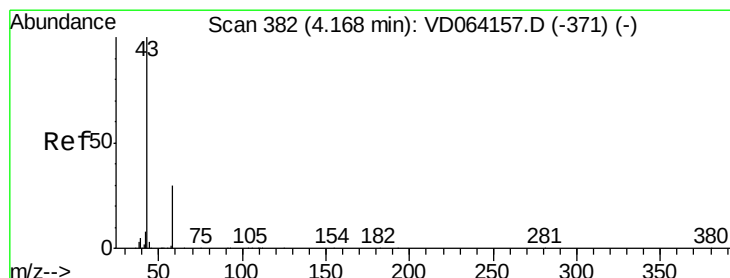
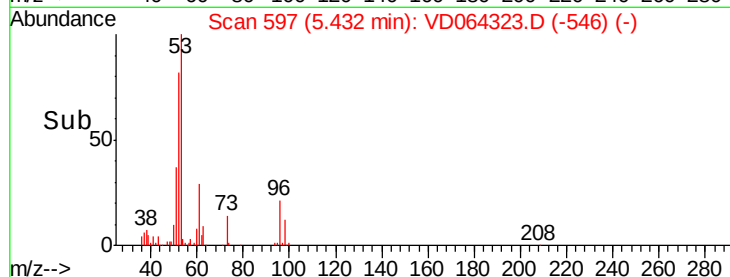
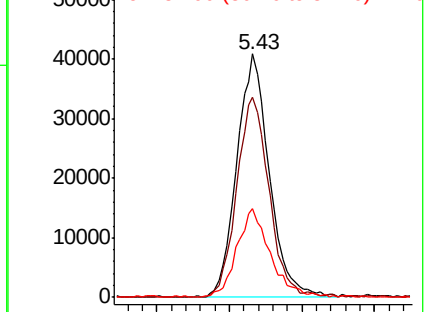
53 100

52 81.8 66.7 100.1

51 37.3 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VDC  
Ion 52.00 (51.70 to 52.70): VDC  
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 83.668 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064323.D

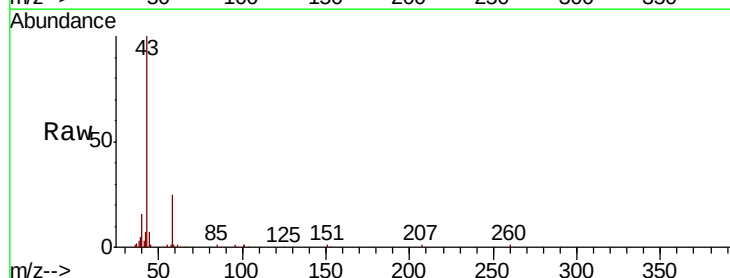
Acq: 21 Nov 2019 14:33

Tgt Ion: 43 Resp: 103865

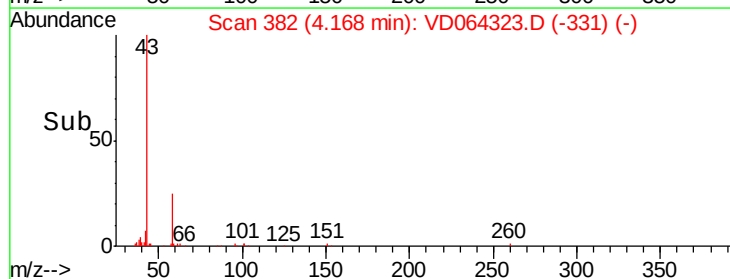
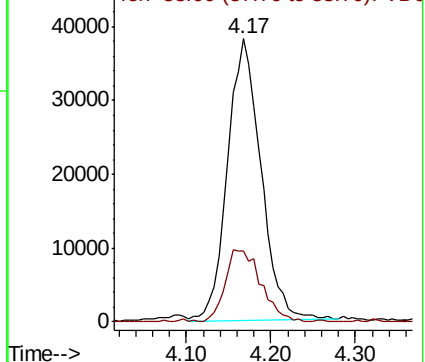
Ion Ratio Lower Upper

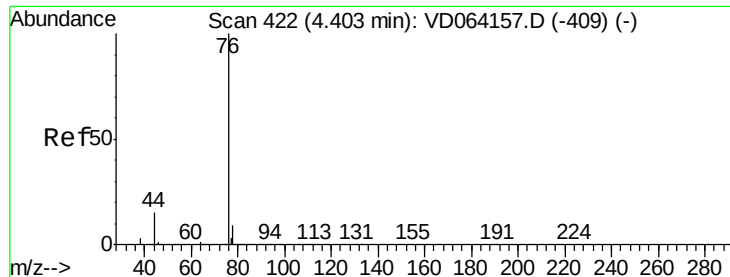
43 100

58 25.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.213 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

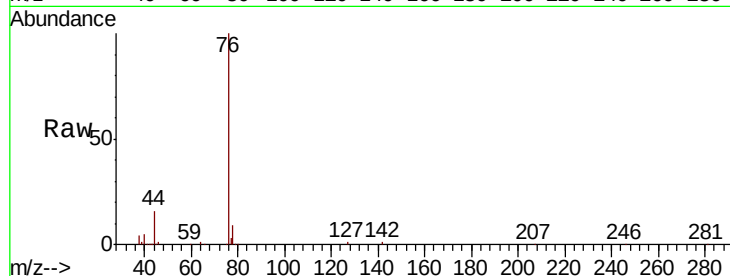
ClientSampleId :

Tot Ion: 76 Resp: 320327

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

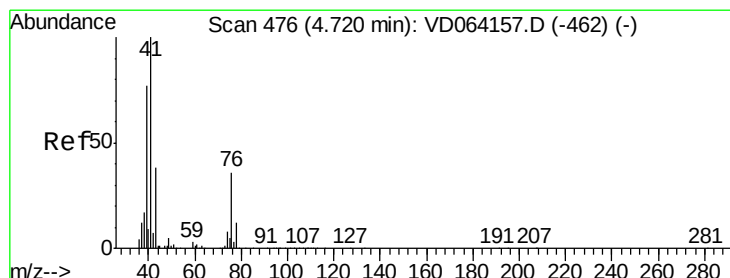
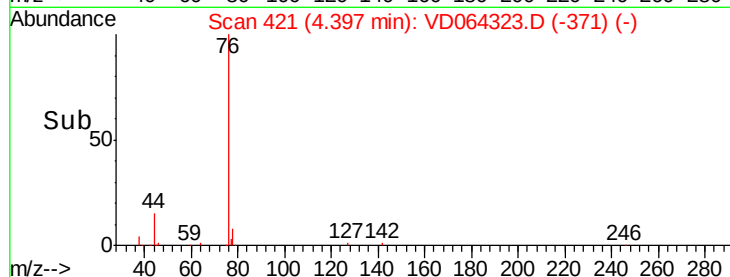
100000

50000

0

Time-->

4.30 4.40 4.50



#18

Methyl Acetate

Concen: 21.771 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064323.D

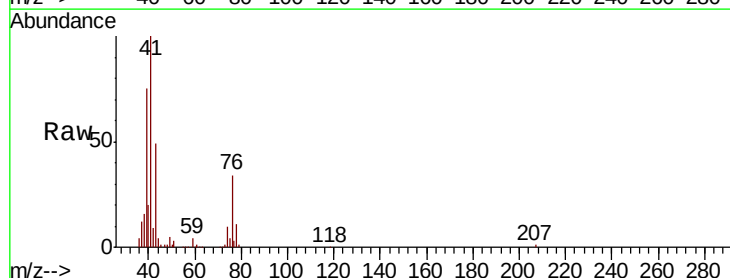
Acq: 21 Nov 2019 14:33

Tgt Ion: 43 Resp: 75484

Ion Ratio Lower Upper

43 100

74 22.0 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

30000

25000

20000

15000

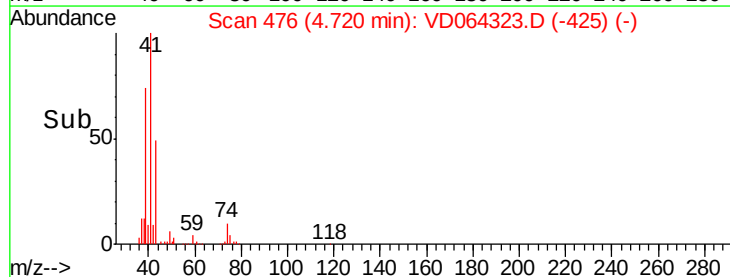
10000

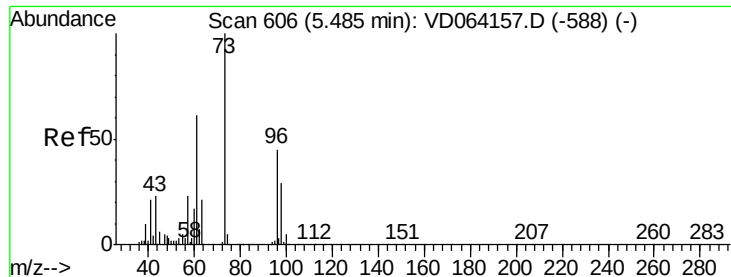
5000

0

Time-->

4.60 4.70 4.80

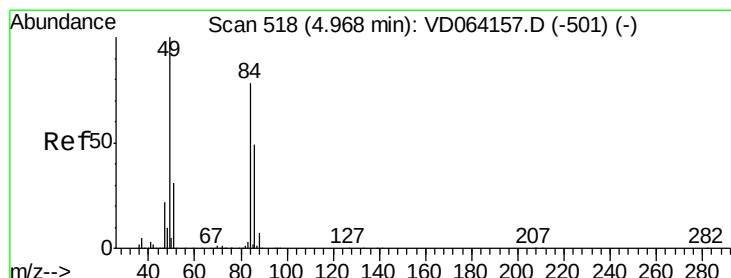
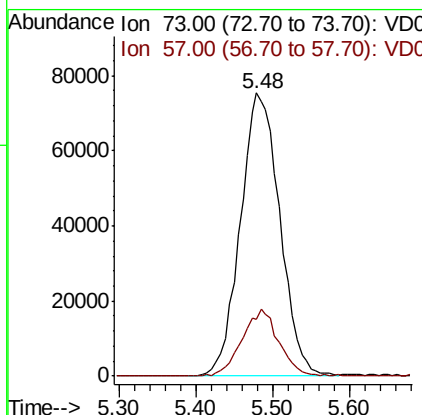
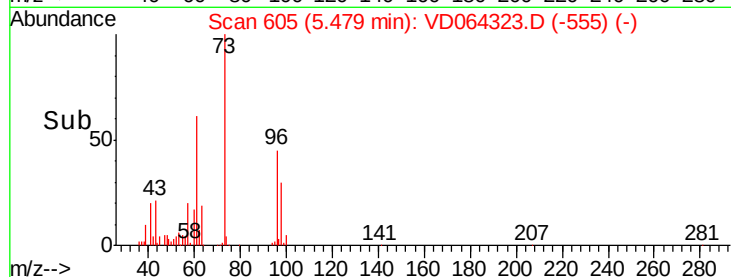
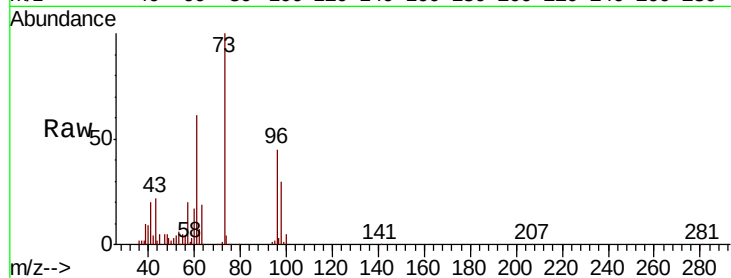




#19  
Methyl tert-butyl Ether  
Concen: 21.110 ug/l  
RT: 5.48 min Scan# 605  
Delta R.T. -0.01 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

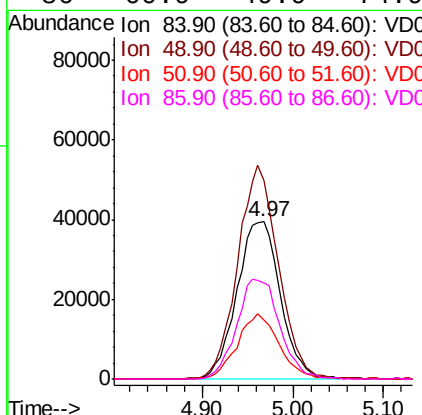
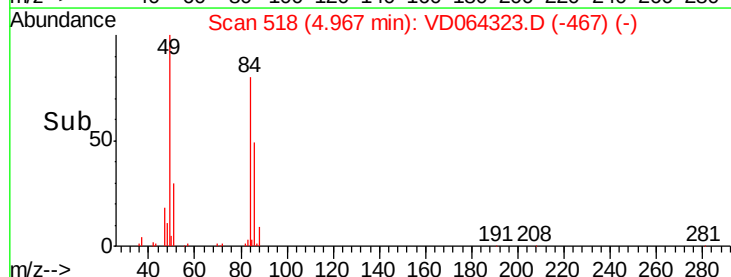
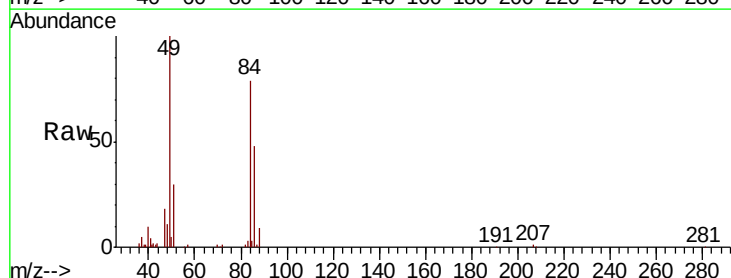
Instrument :  
MSVOA\_D  
ClientSampleId :

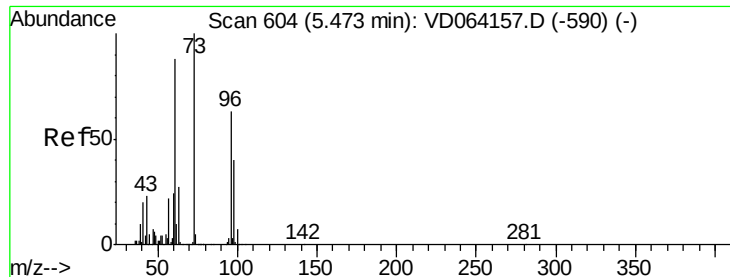
Tot Ion: 73 Resp: 269805  
Ion Ratio Lower Upper  
73 100  
57 20.2 18.4 27.6



#20  
Methylene Chloride  
Concen: 20.946 ug/l  
RT: 4.97 min Scan# 518  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 84 Resp: 131344  
Ion Ratio Lower Upper  
84 100  
49 125.3 102.1 153.1  
51 37.8 32.2 48.2  
86 60.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.554 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

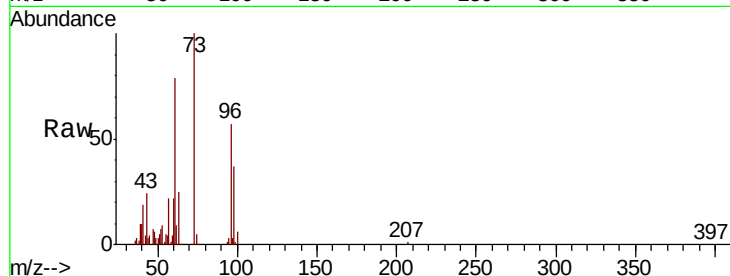
Tot Ion: 96 Resp: 124676

Ion Ratio Lower Upper

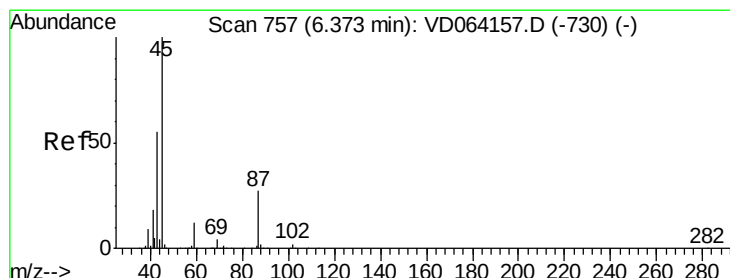
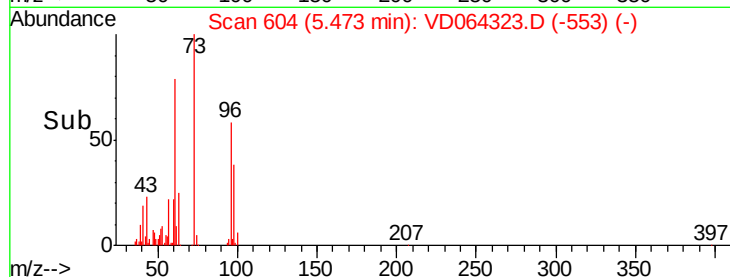
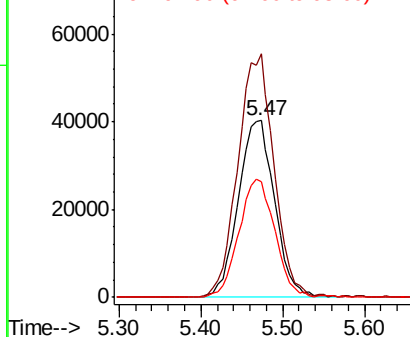
96 100

61 137.7 111.8 167.6

98 65.3 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.521 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion: 45 Resp: 360426

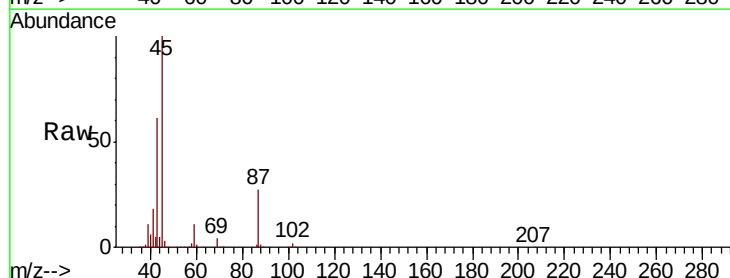
Ion Ratio Lower Upper

45 100

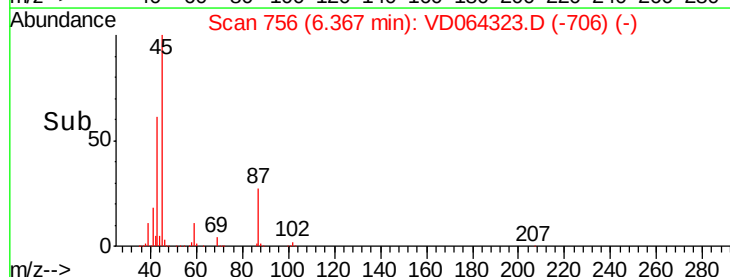
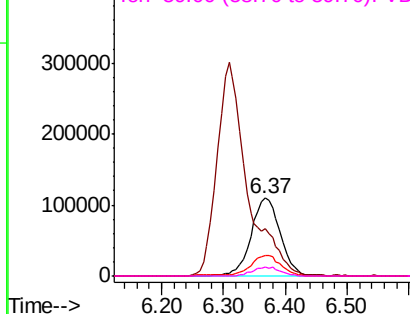
43 60.4 44.4 66.6

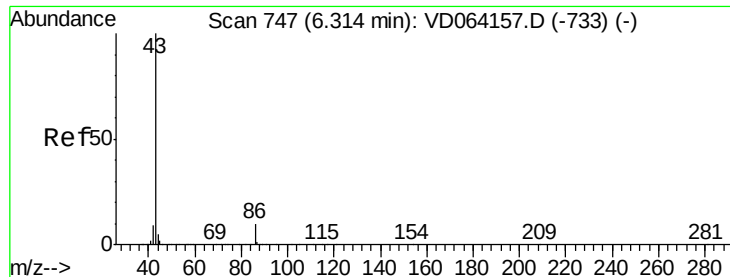
87 26.7 21.9 32.9

59 10.7 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC  
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 104.785 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

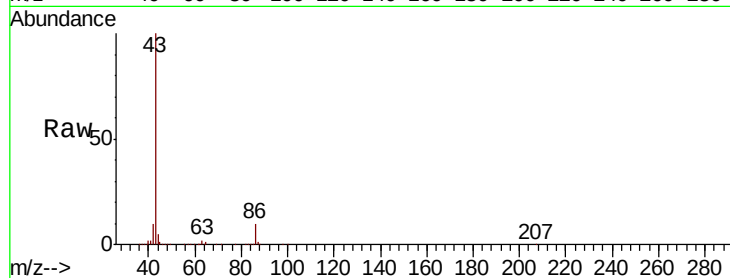
ClientSampleId :

Tot Ion: 43 Resp: 1025868

Ion Ratio Lower Upper

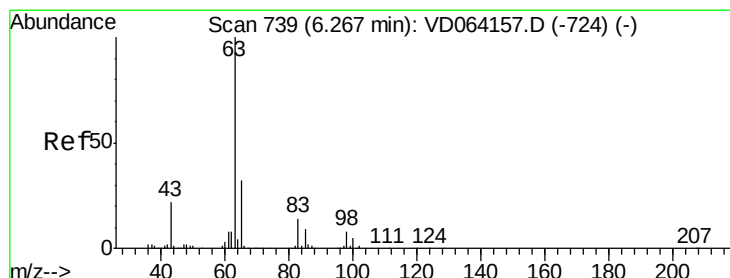
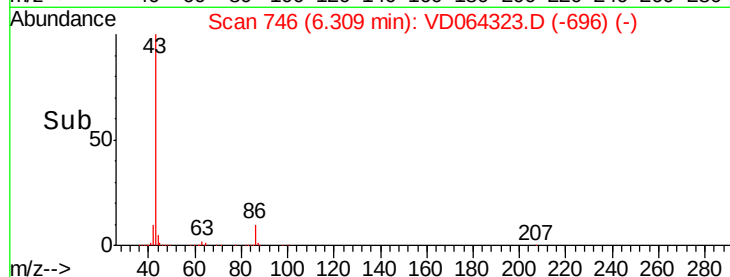
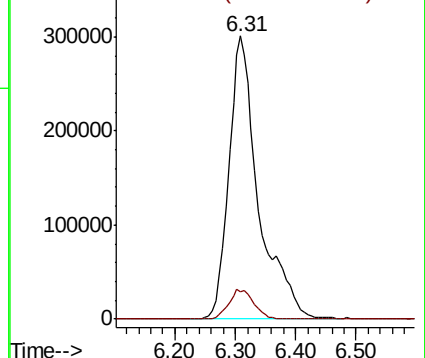
43 100

86 9.8 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.931 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

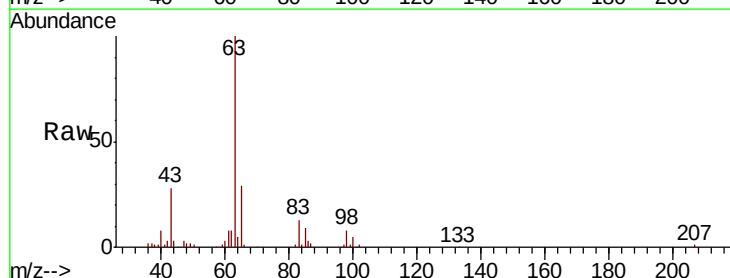
Tgt Ion: 63 Resp: 213451

Ion Ratio Lower Upper

63 100

98 8.0 3.8 11.4

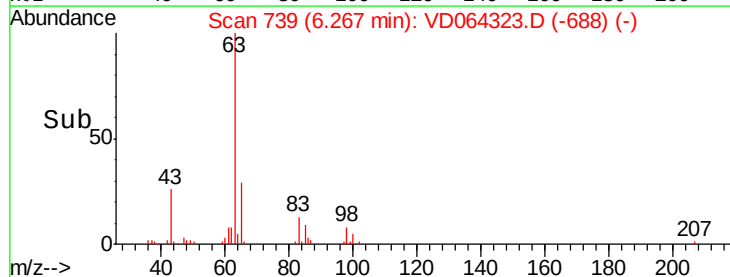
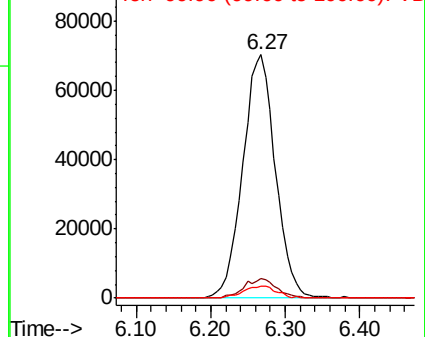
100 4.7 2.4 7.2



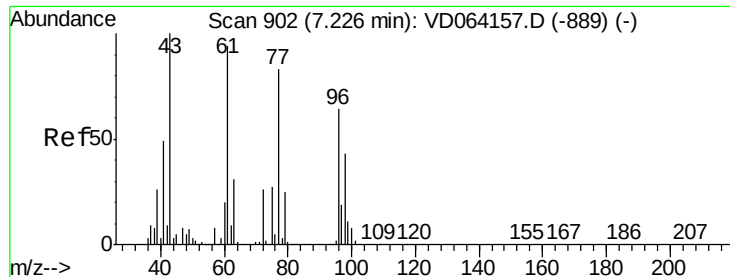
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC







#25

2-Butanone

Concen: 97.795 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

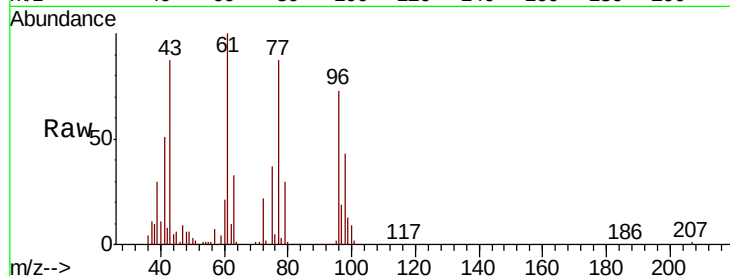
ClientSampled :

Tot Ion: 43 Resp: 156844

Ion Ratio Lower Upper

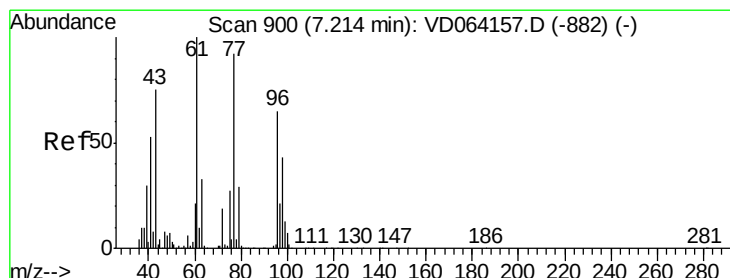
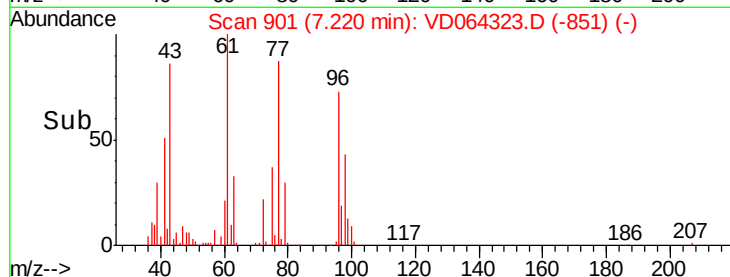
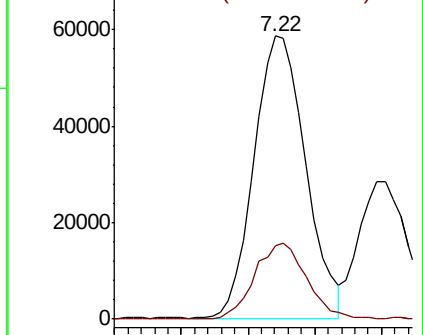
43 100

72 26.1 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.941 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064323.D

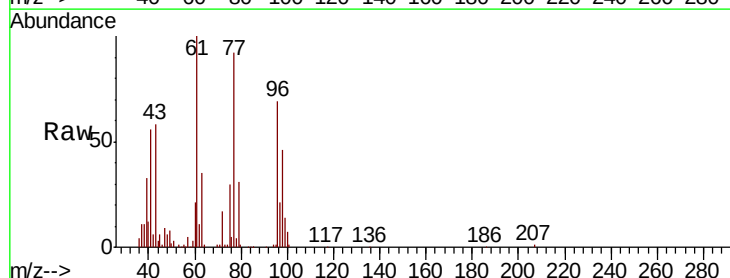
Acq: 21 Nov 2019 14:33

Tgt Ion: 77 Resp: 199426

Ion Ratio Lower Upper

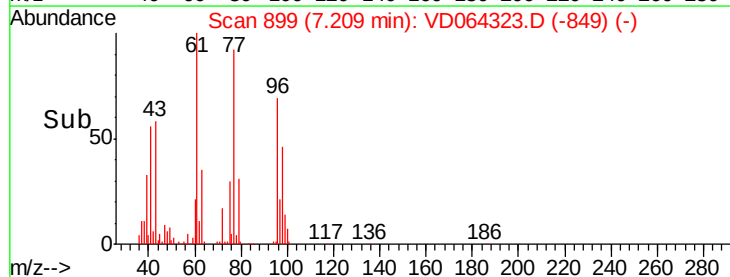
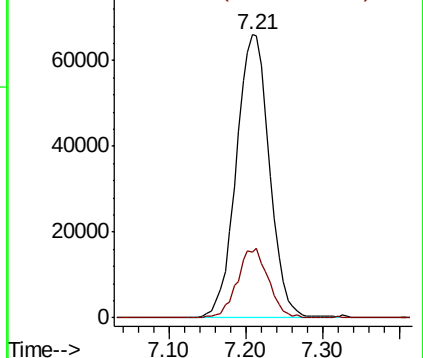
77 100

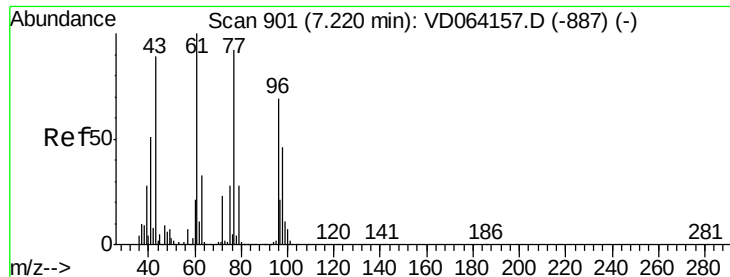
97 23.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



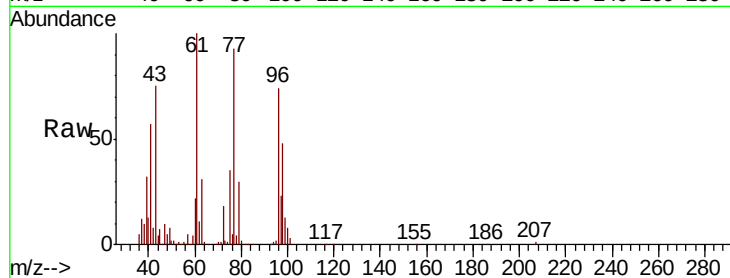


#27

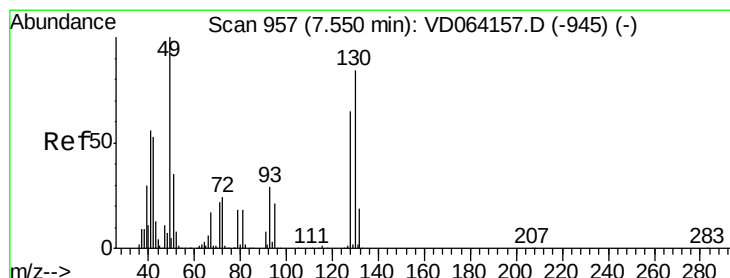
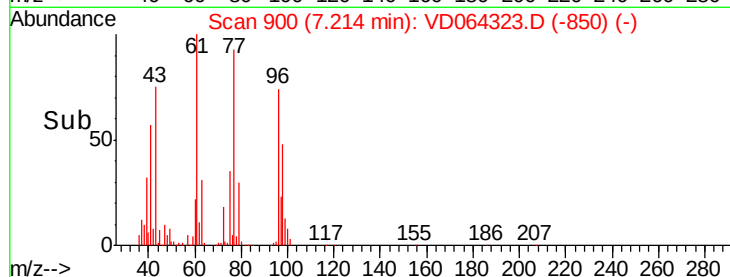
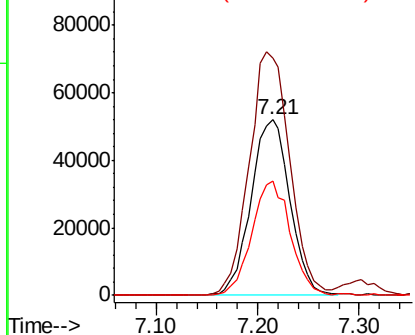
cis-1,2-Dichloroethene  
 Concen: 21.496 ug/l  
 RT: 7.21 min Scan# 900  
 Delta R.T. -0.01 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

Instrument :  
 MSVOA\_D  
 ClientSampleID :

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 96      | 100   |       |       |       |
| 61      | 144.4 | 0.0   | 301.4 |       |
| 98      | 64.1  | 0.0   | 133.2 |       |



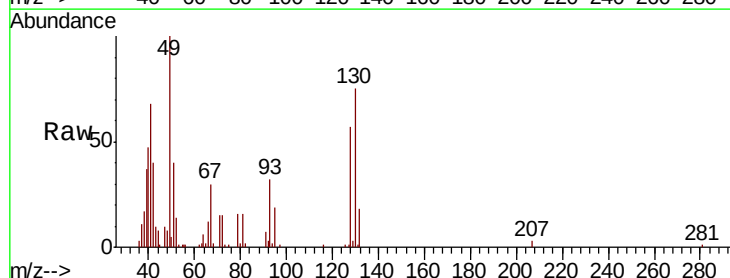
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.90 (60.60 to 61.60): VDC  
 Ion 97.90 (97.60 to 98.60): VDC



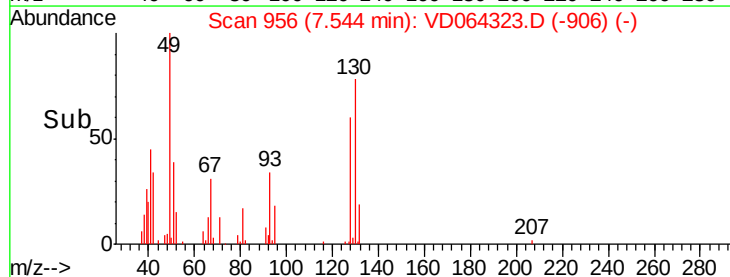
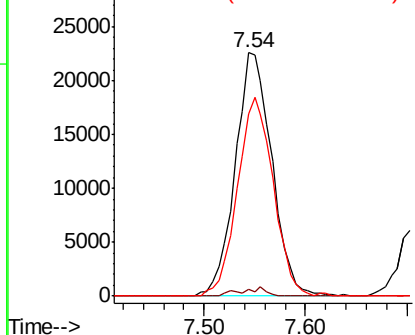
#28

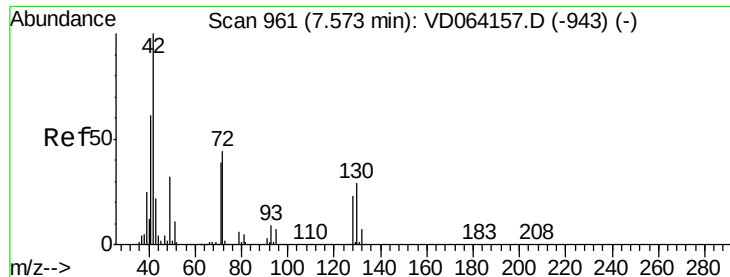
Bromochloromethane  
 Concen: 15.926 ug/l  
 RT: 7.54 min Scan# 956  
 Delta R.T. -0.01 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 49      | 100  |       |       |       |
| 129     | 1.6  | 0.0   | 4.4   |       |
| 130     | 79.8 | 66.8  | 100.2 |       |



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

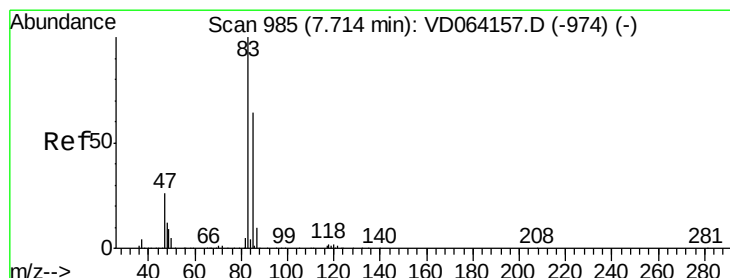
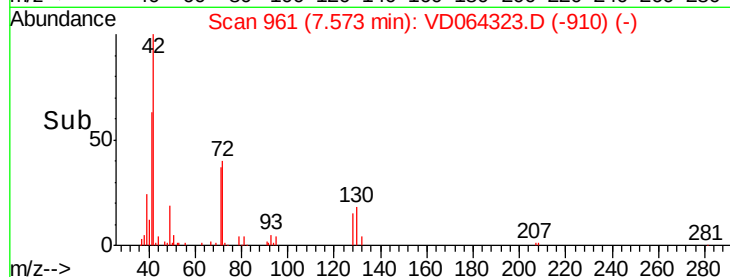
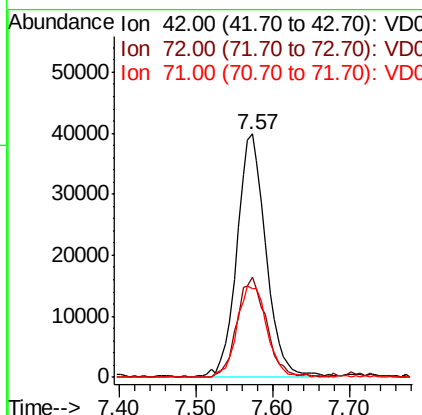
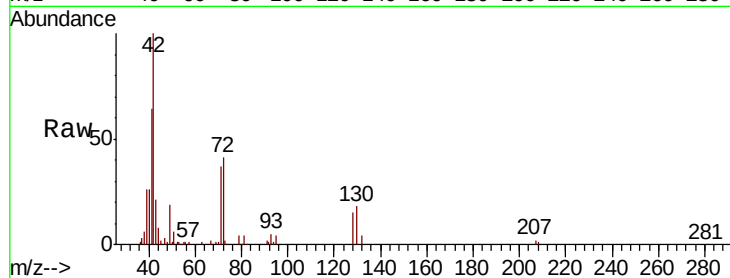




#29  
Tetrahydrofuran  
Concen: 110.073 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

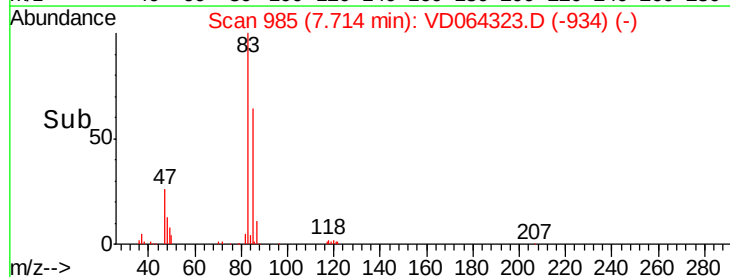
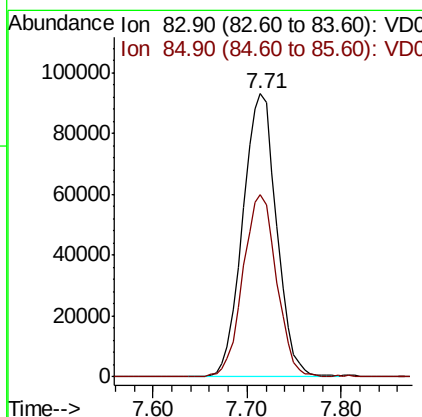
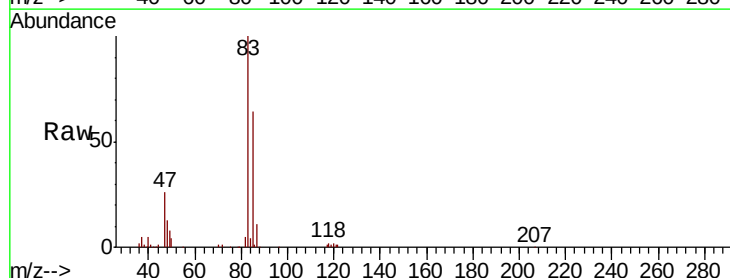
Instrument :  
MSVOA\_D  
ClientSampleId :

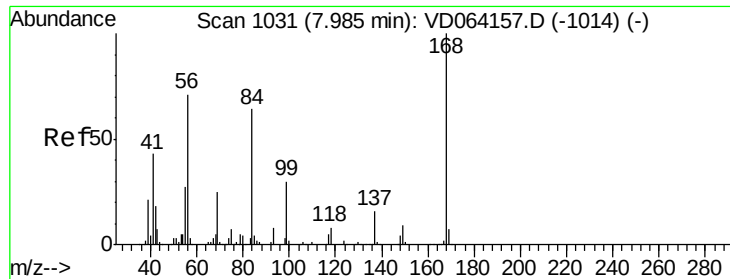
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 41.4  | 33.4  | 50.2  |
| 71      | 38.9  | 31.0  | 46.4  |



#30  
Chloroform  
Concen: 22.238 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 51.4  | 77.0  |

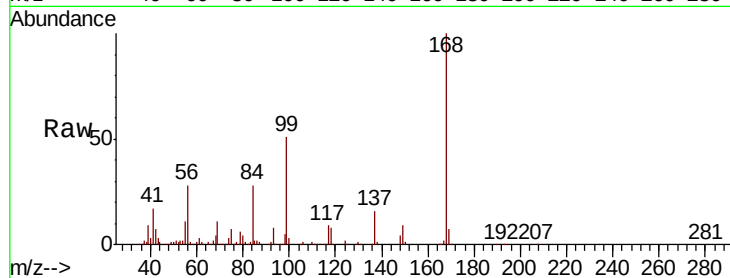




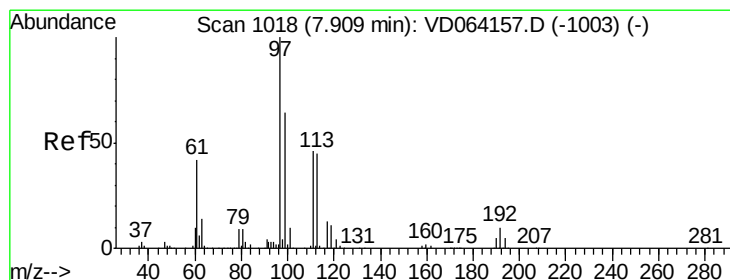
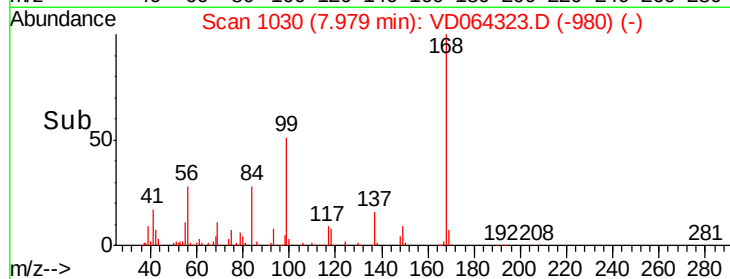
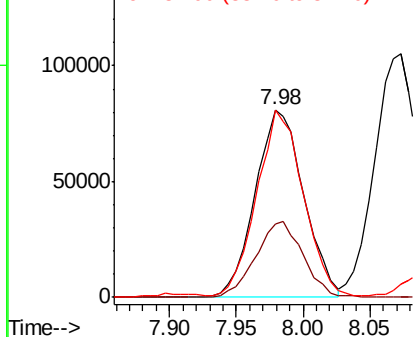
#31  
Cyclohexane  
Concen: 19.850 ug/l  
RT: 7.98 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 56 Resp: 204153  
Ion Ratio Lower Upper  
56 100  
69 39.3 28.2 42.4  
84 98.3 71.8 107.6

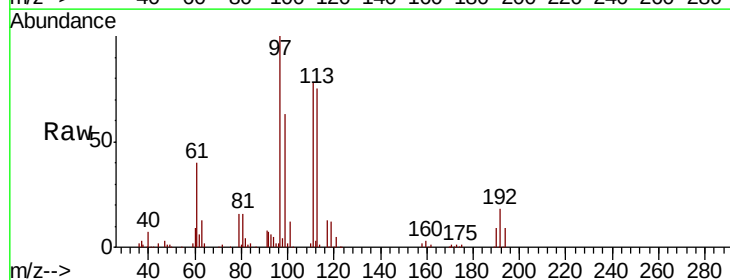


Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.00 (83.70 to 84.70): VDC

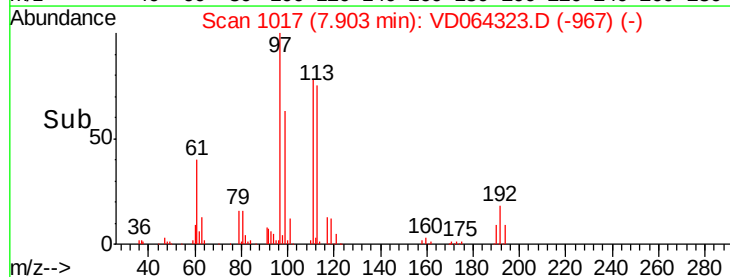
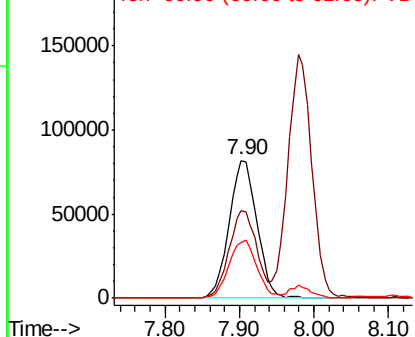


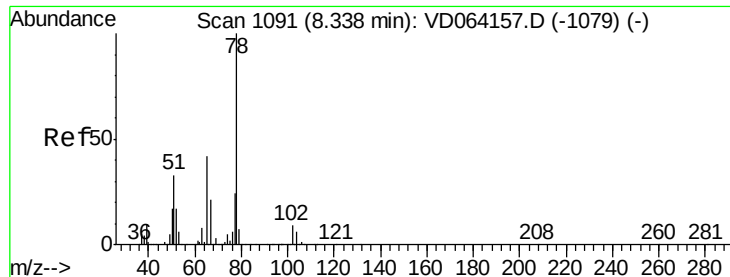
#32  
1,1,1-Trichloroethane  
Concen: 21.253 ug/l  
RT: 7.90 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 97 Resp: 212276  
Ion Ratio Lower Upper  
97 100  
99 62.8 51.6 77.4  
61 42.4 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC  
Ion 98.90 (98.60 to 99.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC

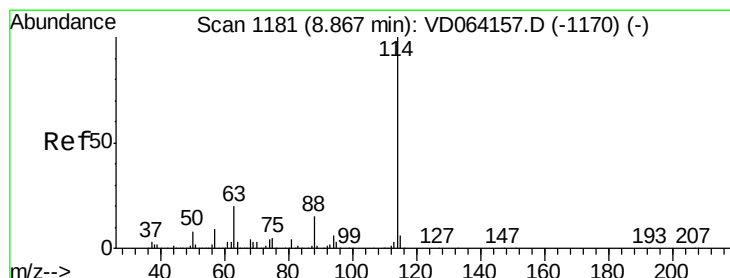
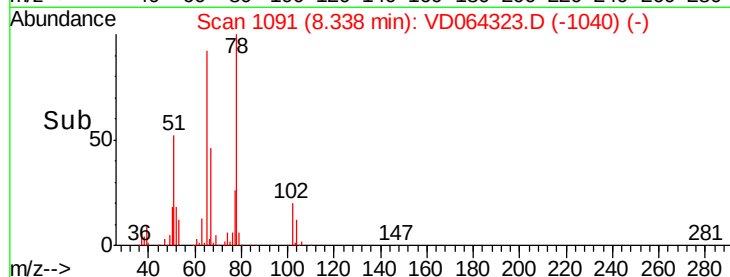
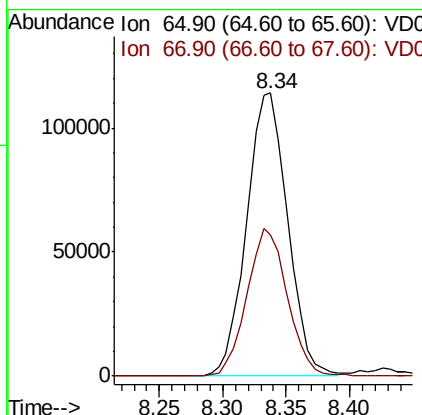
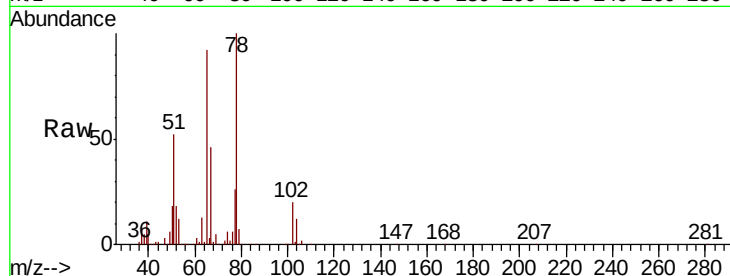




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.181 ug/l  
 RT: 8.34 min Scan# 1091  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

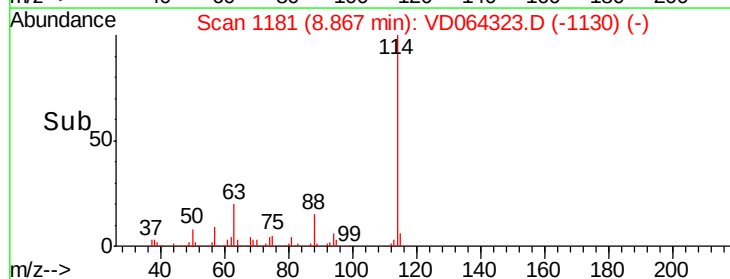
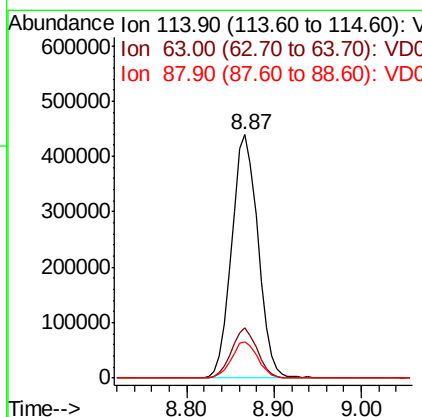
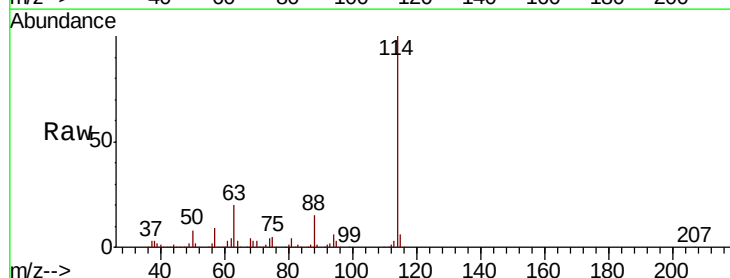
Instrument :  
 MSVOA\_D  
 ClientSampled :

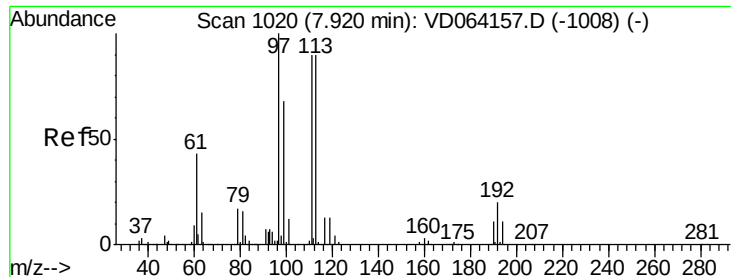
Tot Ion: 65 Resp: 257715  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

Tgt Ion: 114 Resp: 895104  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 40.0  
 88 14.9 0.0 30.2

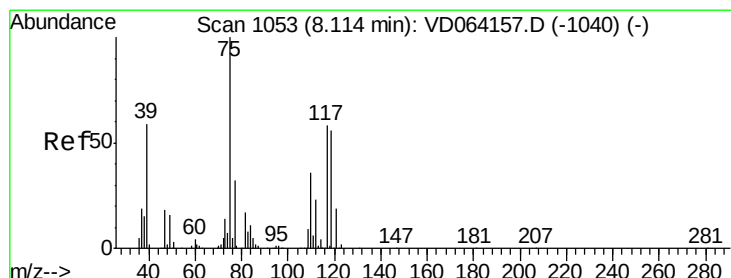
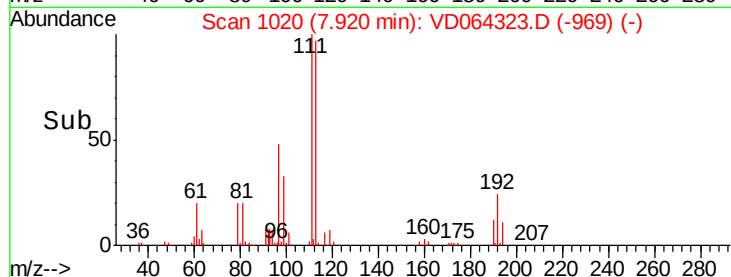
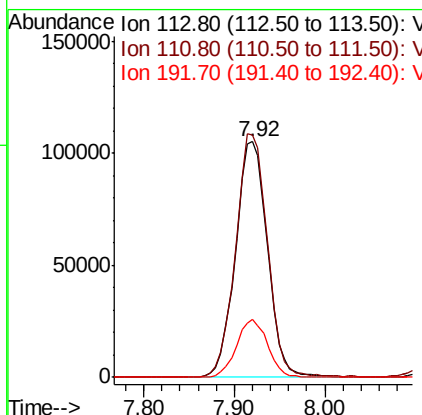
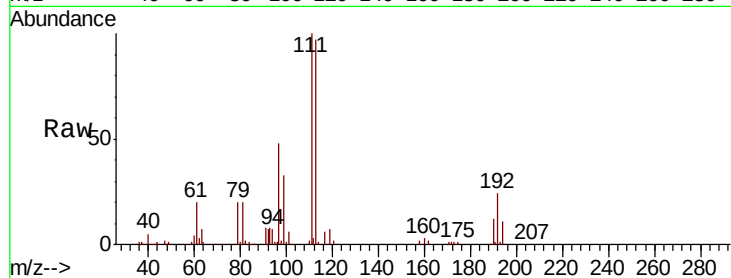




#35  
 Dibromofluoromethane  
 Concen: 50.156 ug/l  
 RT: 7.92 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

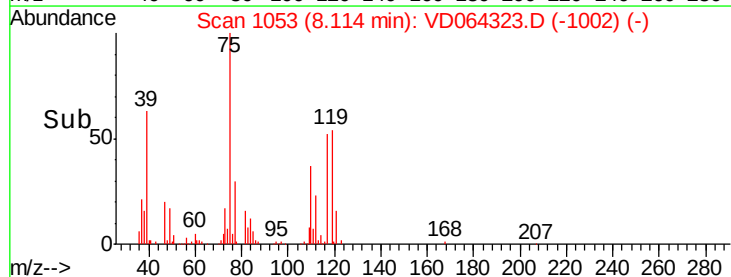
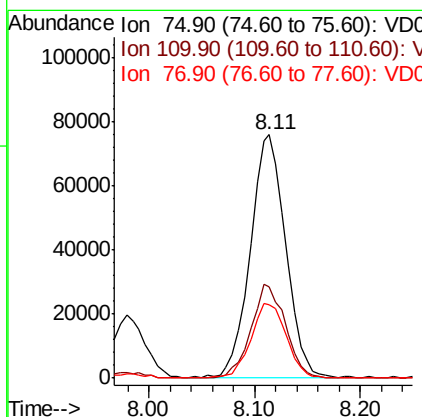
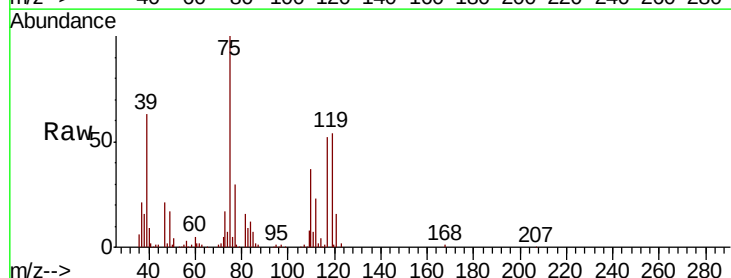
Instrument :  
 MSVOA\_D  
 ClientSampled :

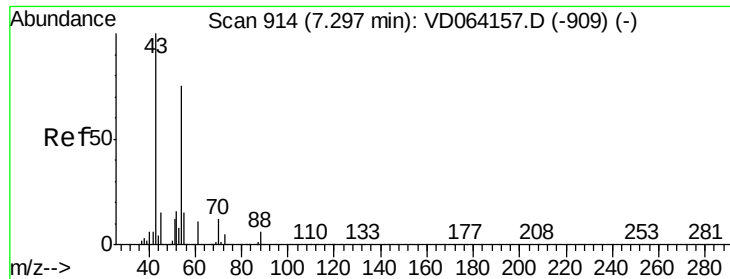
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 81.5  | 122.3 |
| 192     | 24.0  | 18.8  | 28.2  |



#36  
 1,1-Dichloropropene  
 Concen: 21.300 ug/l  
 RT: 8.11 min Scan# 1053  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 37.6  | 18.3  | 54.9  |
| 77      | 31.3  | 25.0  | 37.6  |

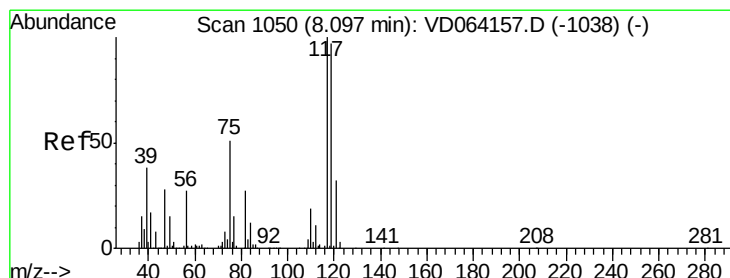
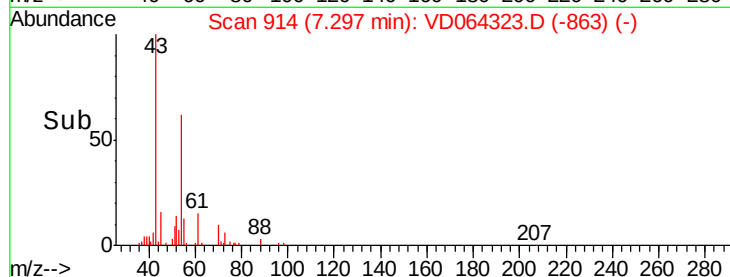
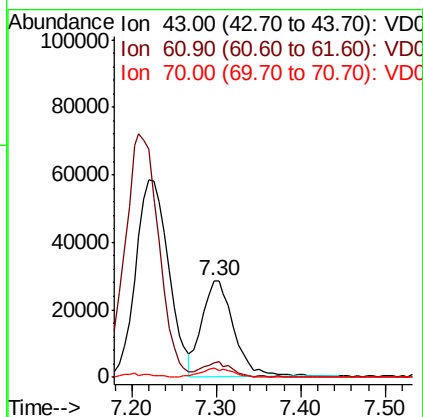
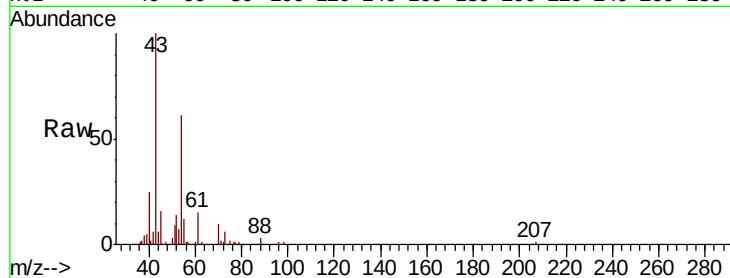




#37  
Ethyl Acetate  
Concen: 21.505 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

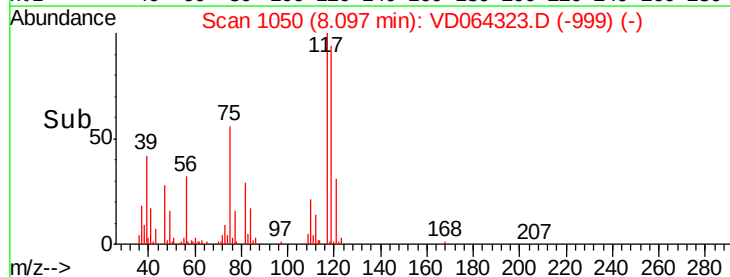
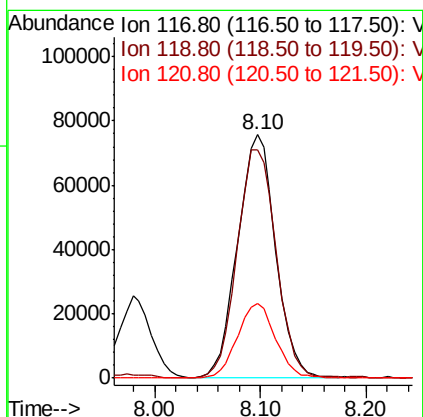
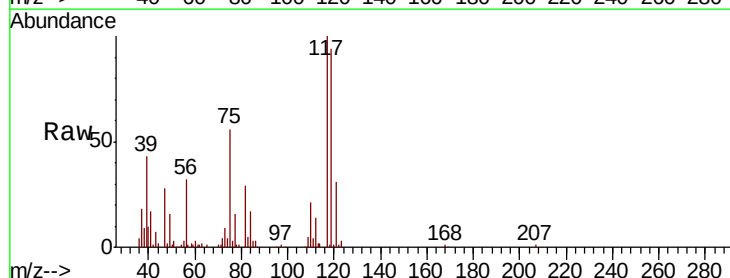
Instrument :  
MSVOA\_D  
ClientSampleID :

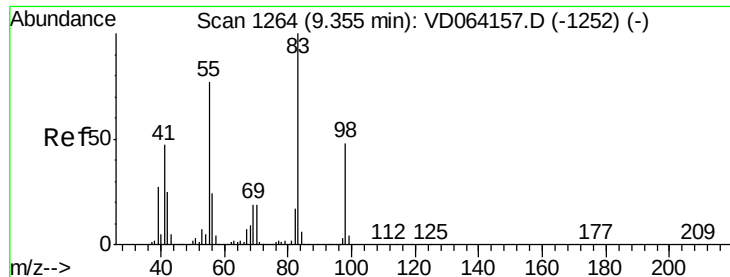
Tot Ion: 43 Resp: 74893  
Ion Ratio Lower Upper  
43 100  
61 14.6 10.2 15.2  
70 9.9 8.5 12.7



#38  
Carbon Tetrachloride  
Concen: 21.177 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 117 Resp: 187190  
Ion Ratio Lower Upper  
117 100  
119 94.1 77.2 115.8  
121 30.7 25.5 38.3

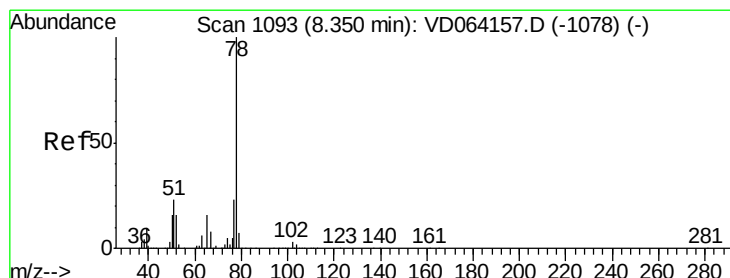
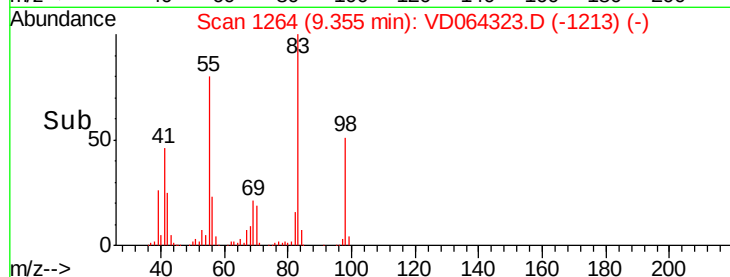
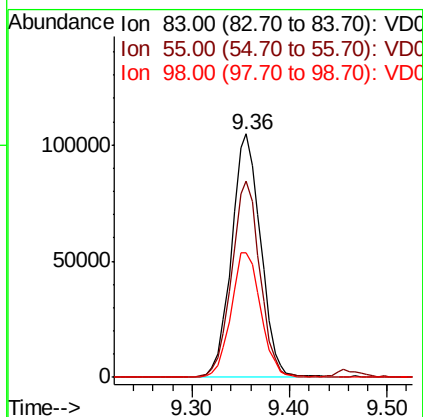
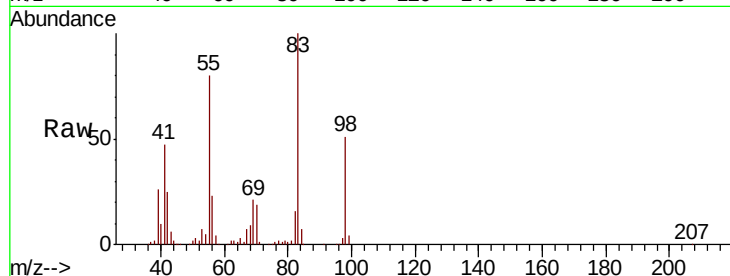




#39  
Methylvlcyclohexane  
Concen: 20.723 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

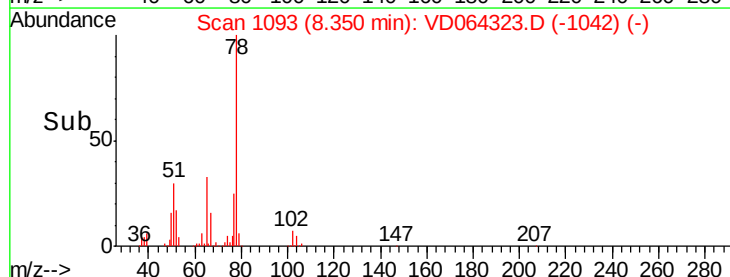
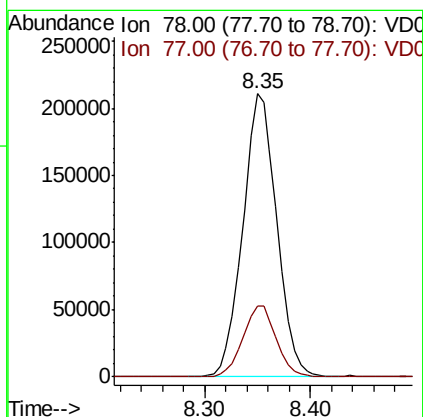
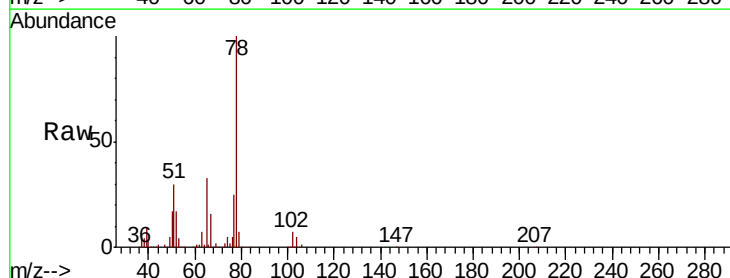
Instrument :  
MSVOA\_D  
ClientSampled :

| Tot Ion | 83.00 | Resp  | 216624 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 55      | 80.2  | 61.7  | 92.5   |
| 98      | 51.4  | 38.6  | 58.0   |

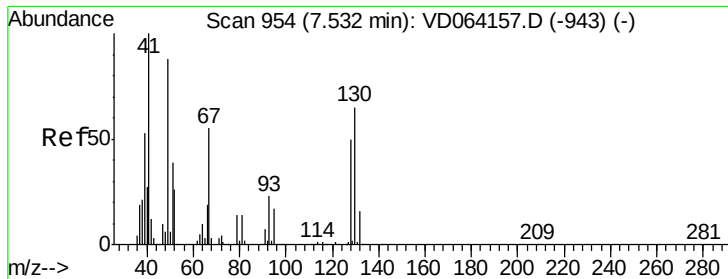


#40  
Benzene  
Concen: 20.835 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

| Tgt Ion | 78.00 | Resp  | 470395 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 78      | 100   |       |        |
| 77      | 24.9  | 18.6  | 28.0   |



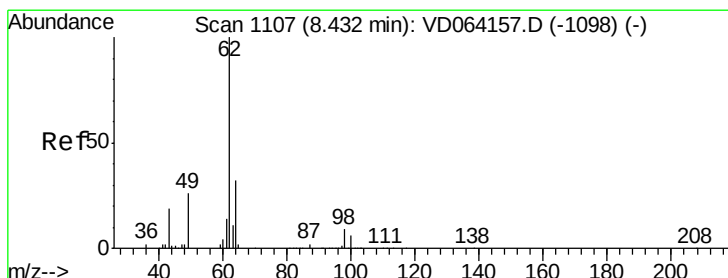
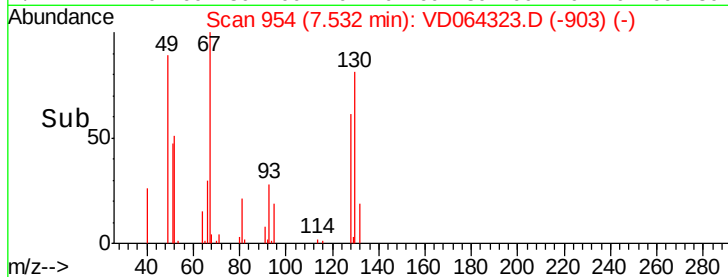
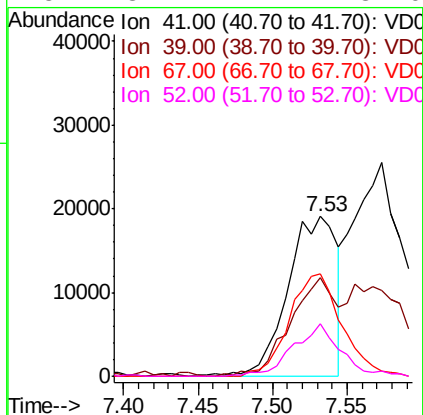
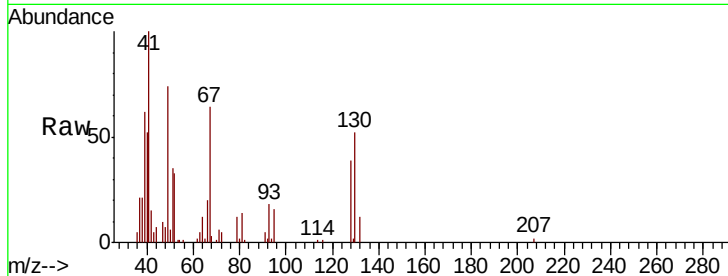




#41  
Methacrylonitrile  
Concen: 20.007 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

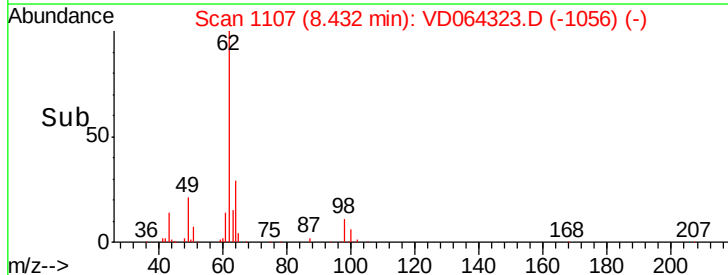
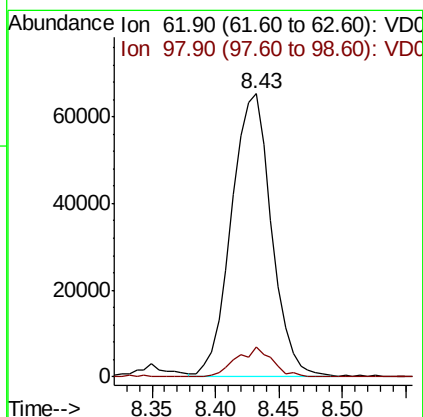
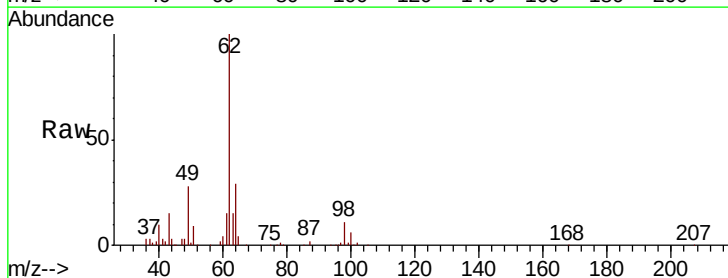
Instrument :  
MSVOA\_D  
ClientSampleId :

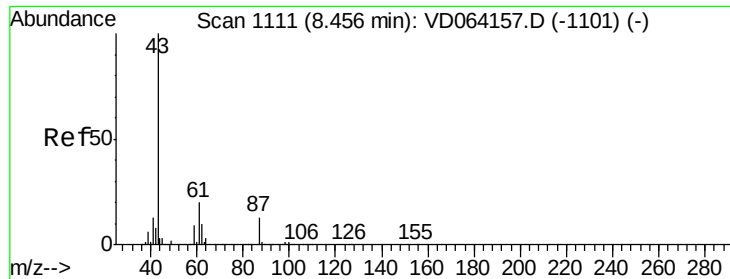
| Tot Ion: | 41    | Resp: | 43793 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.8  | 49.4  | 74.2  |
| 67       | 68.8  | 49.6  | 74.4  |
| 52       | 31.7  | 21.4  | 32.0  |



#42  
1,2-Dichloroethane  
Concen: 21.042 ug/l  
RT: 8.43 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

| Tgt Ion: | 62    | Resp: | 142682 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.7   | 0.0   | 19.0   |





#43

Isopropyl Acetate

Concen: 20.773 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

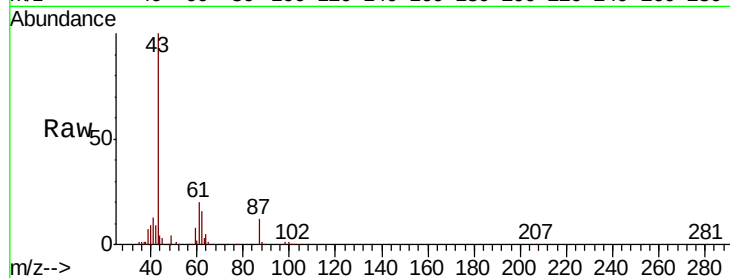
Tot Ion: 43 Resp: 149061

Ion Ratio Lower Upper

43 100

61 29.2 22.9 34.3

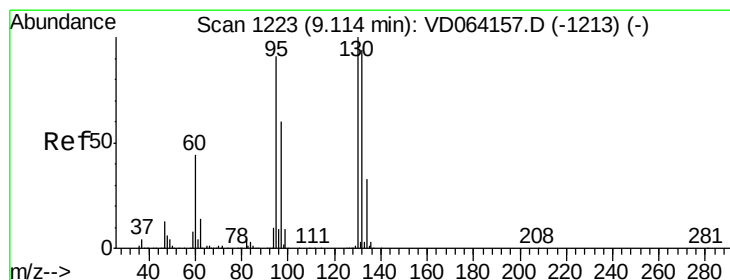
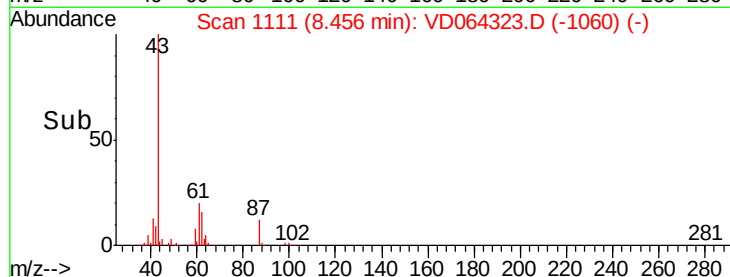
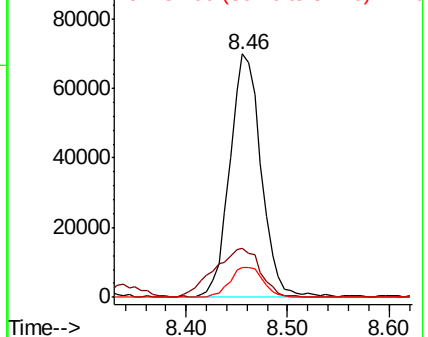
87 13.2 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.782 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064323.D

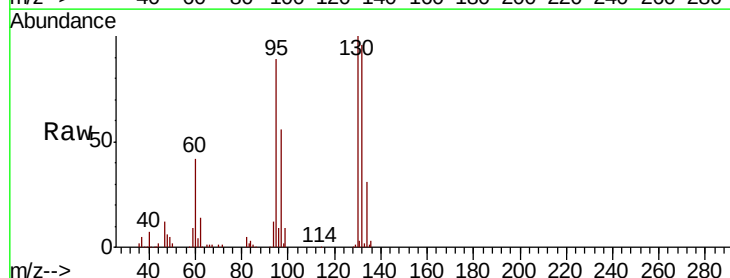
Acq: 21 Nov 2019 14:33

Tgt Ion:130 Resp: 147602

Ion Ratio Lower Upper

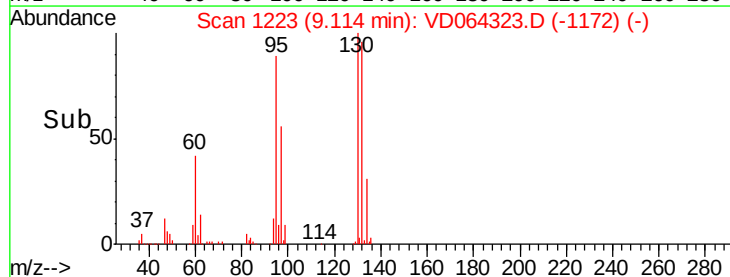
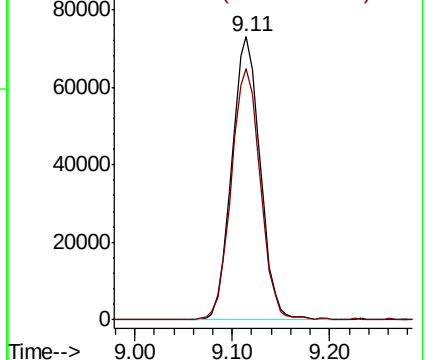
130 100

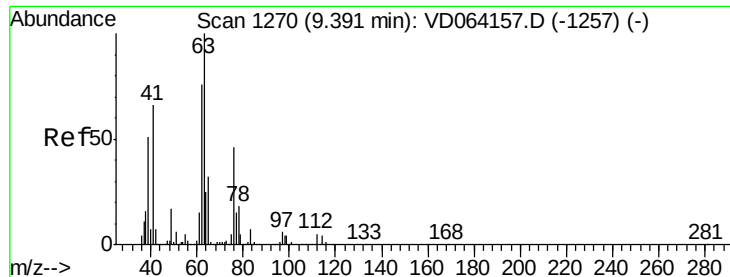
95 88.6 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

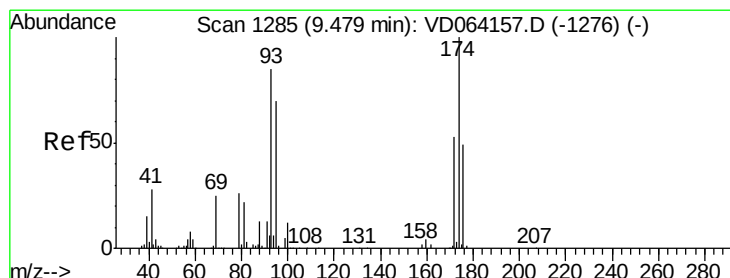
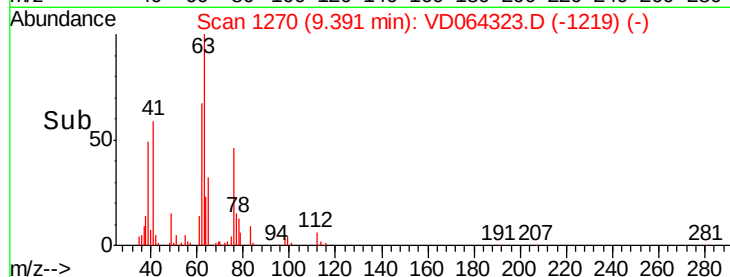
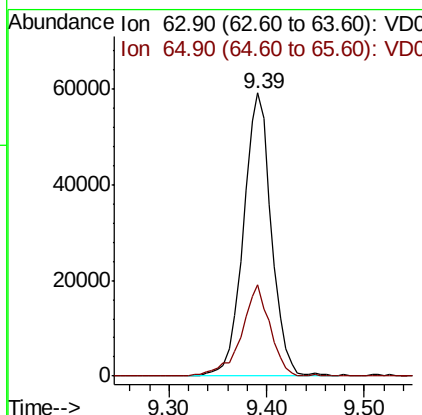
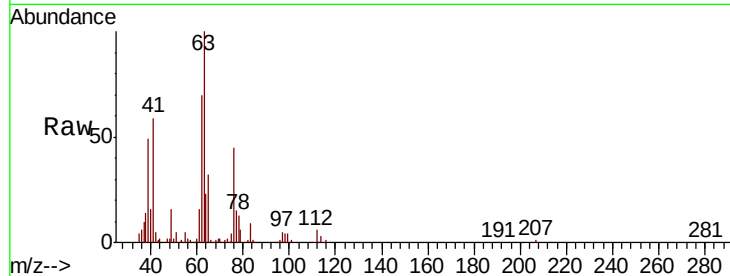




#45  
 1,2-Dichloropropane  
 Concen: 21.530 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

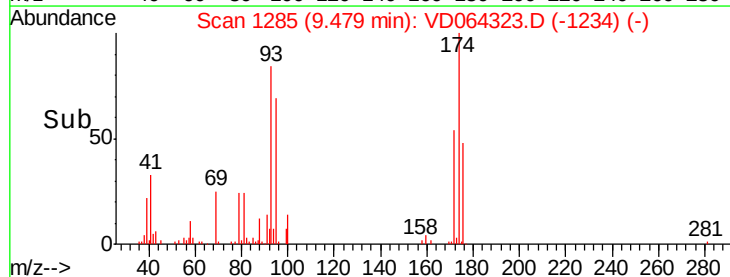
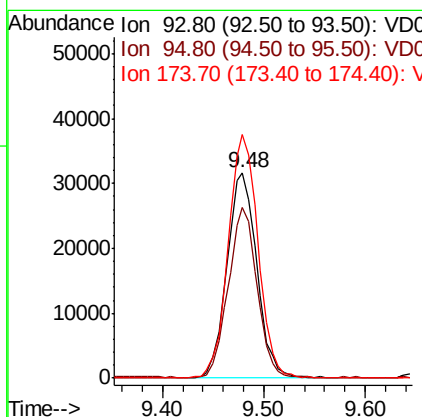
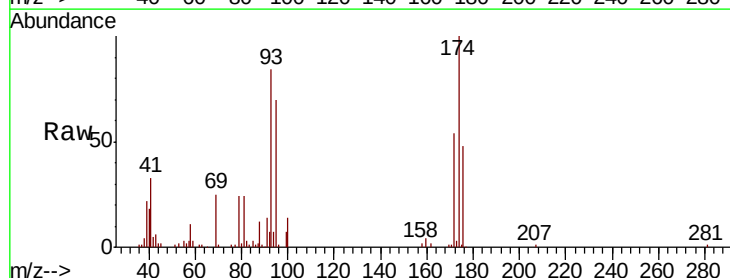
Instrument :  
 MSVOA\_D  
 ClientSampleId :

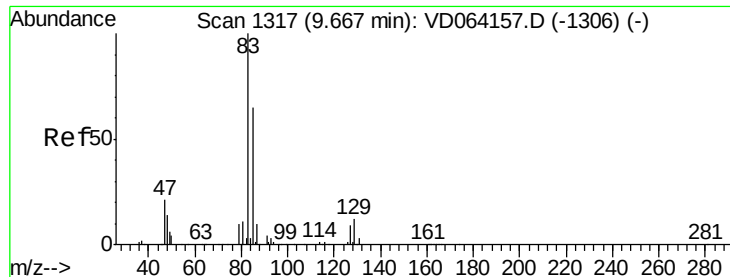
Tot Ion: 63 Resp: 118314  
 Ion Ratio Lower Upper  
 63 100  
 65 32.2 25.7 38.5



#46  
 Dibromomethane  
 Concen: 22.015 ug/l  
 RT: 9.48 min Scan# 1285  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

Tgt Ion: 93 Resp: 64766  
 Ion Ratio Lower Upper  
 93 100  
 95 80.2 65.5 98.3  
 174 117.4 93.9 140.9





#47

Bromodichloromethane

Concen: 20.925 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampled :

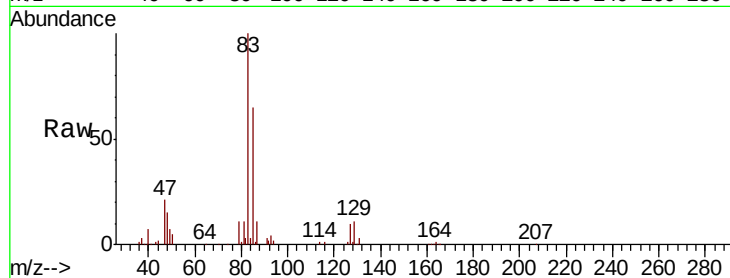
Tot Ion: 83 Resp: 165818

Ion Ratio Lower Upper

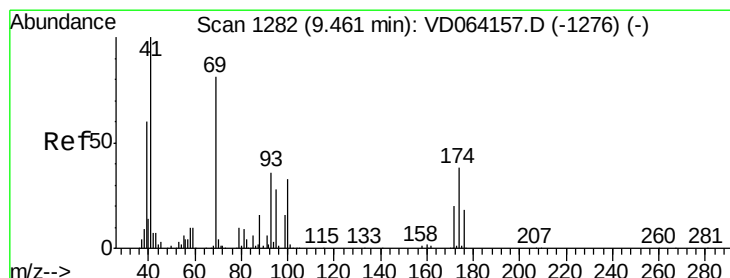
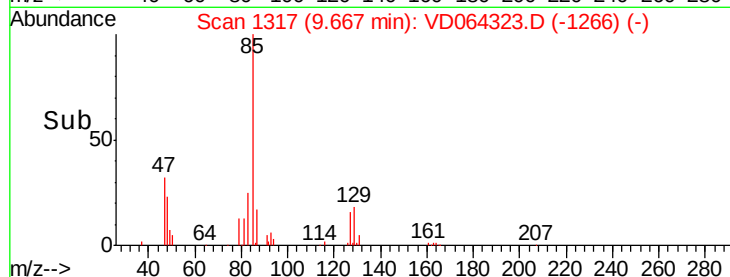
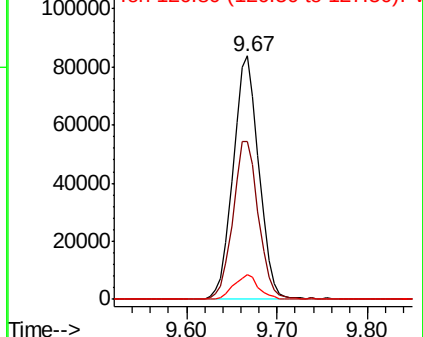
83 100

85 64.8 52.2 78.4

127 10.4 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VDC  
Ion 84.90 (84.60 to 85.60): VDC  
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.339 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

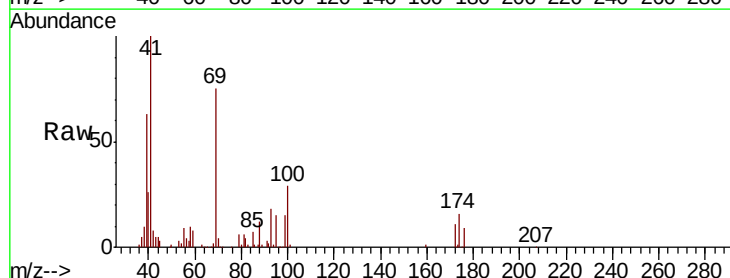
Tgt Ion: 41 Resp: 67857

Ion Ratio Lower Upper

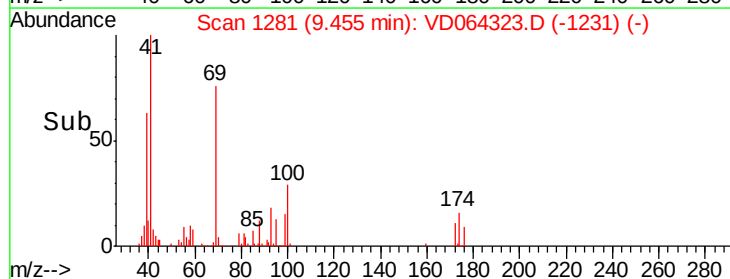
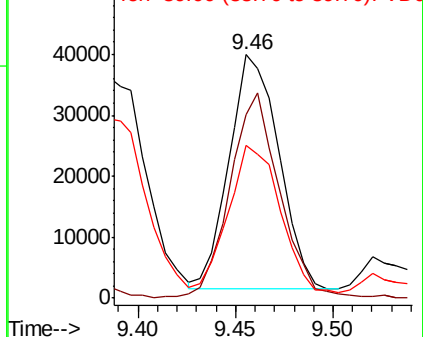
41 100

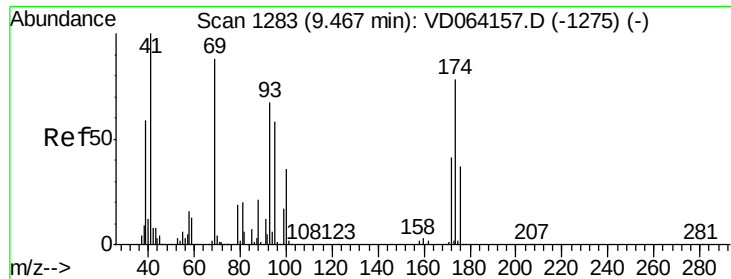
69 88.2 64.6 97.0

39 70.4 48.2 72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 39.00 (38.70 to 39.70): VDC

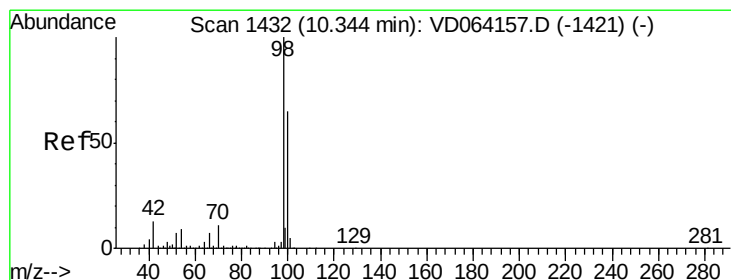
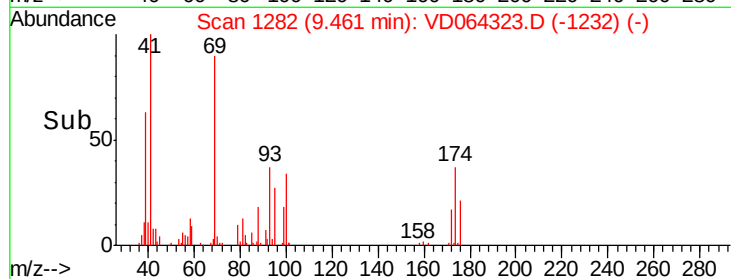
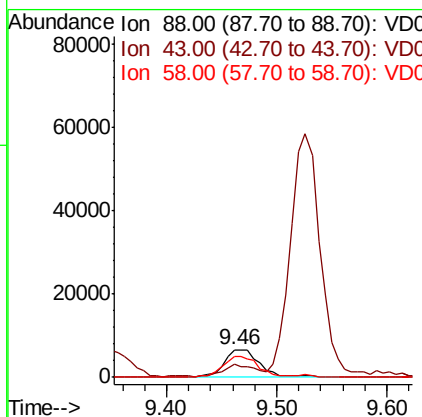
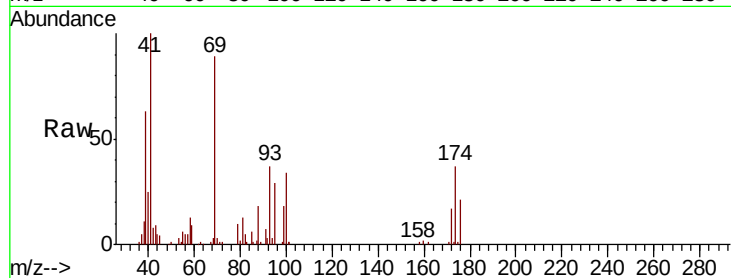




#49  
1,4-Dioxane  
Concen: 428.129 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

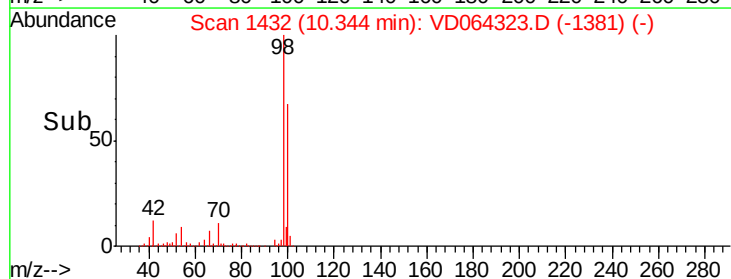
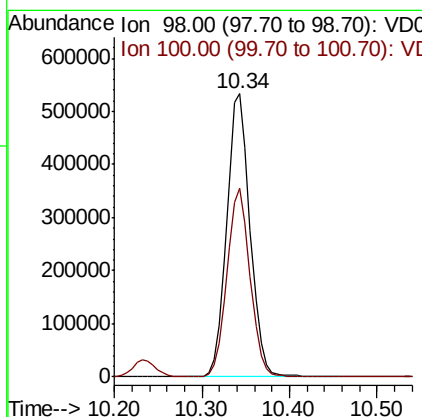
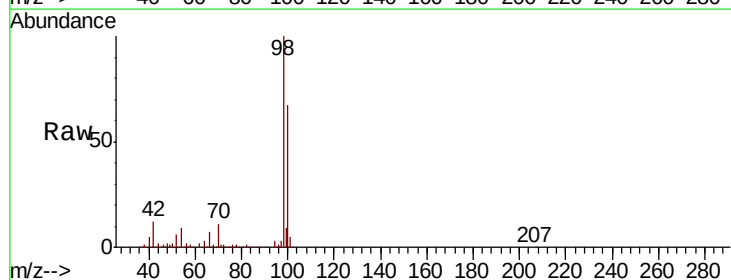
Instrument :  
MSVOA\_D  
ClientSampleId :

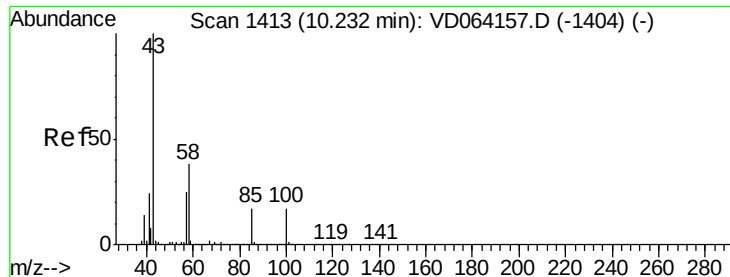
Tot Ion: 88 Resp: 15127  
Ion Ratio Lower Upper  
88 100  
43 40.4 29.8 44.8  
58 76.0 58.1 87.1



#50  
Toluene-d8  
Concen: 50.075 ug/l  
RT: 10.34 min Scan# 1432  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 98 Resp: 970603  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 105.970 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

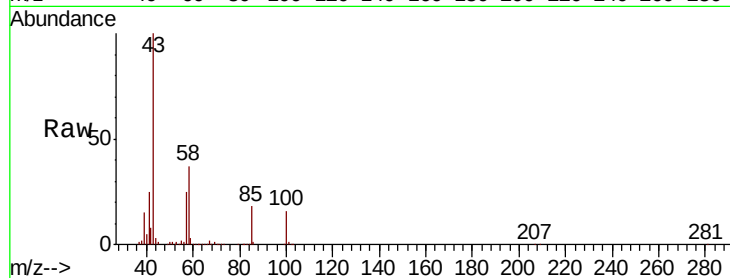
ClientSampleId :

Tot Ion: 43 Resp: 364649

Ion Ratio Lower Upper

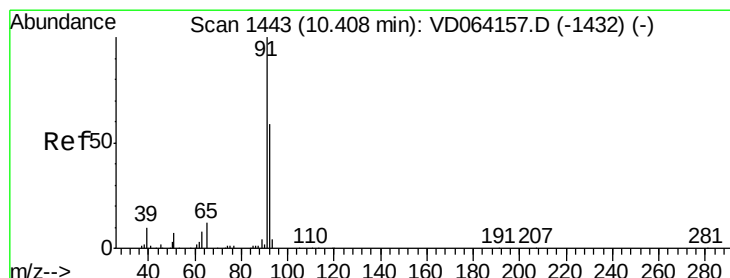
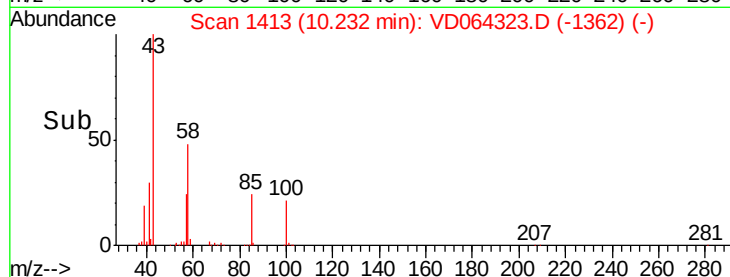
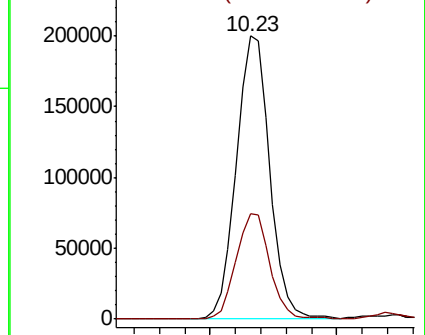
43 100

58 37.6 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.069 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064323.D

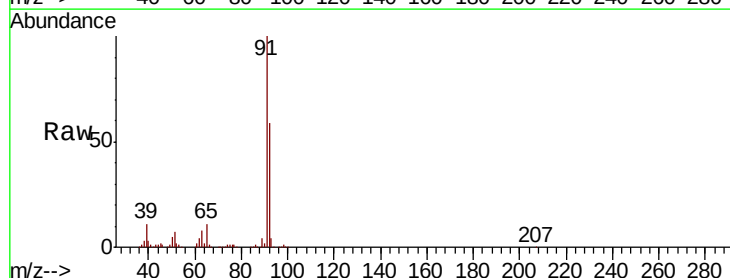
Acq: 21 Nov 2019 14:33

Tgt Ion: 92 Resp: 312789

Ion Ratio Lower Upper

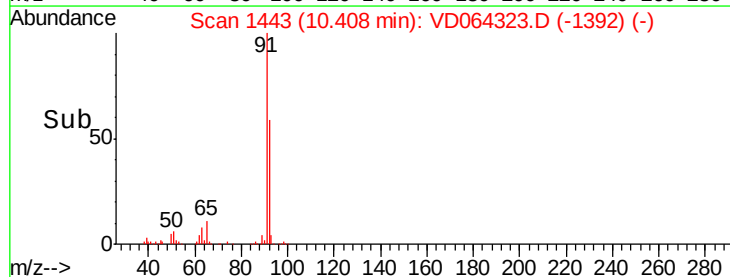
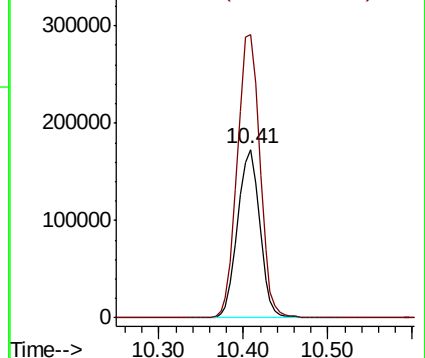
92 100

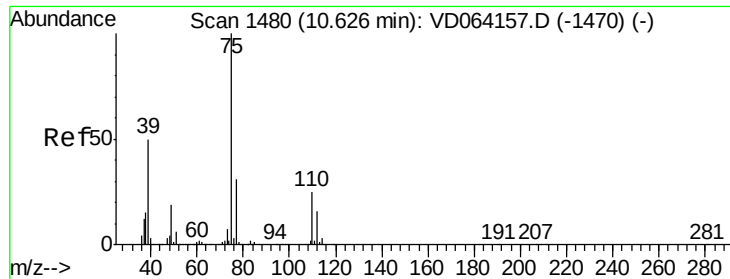
91 172.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.316 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

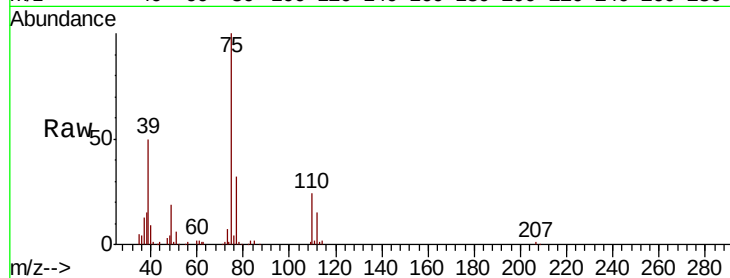
ClientSampleId :

Tot Ion: 75 Resp: 161290

Ion Ratio Lower Upper

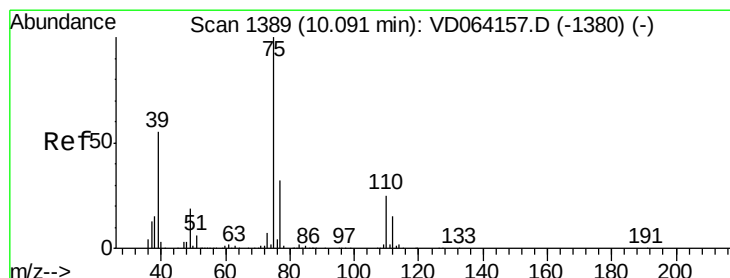
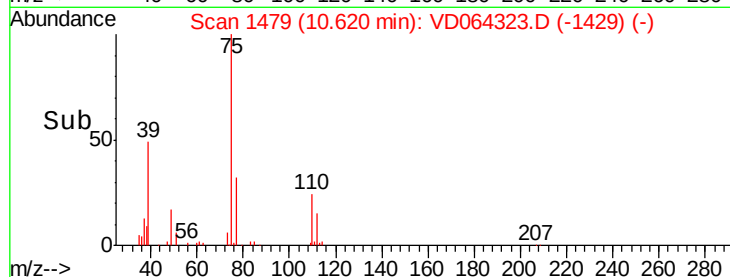
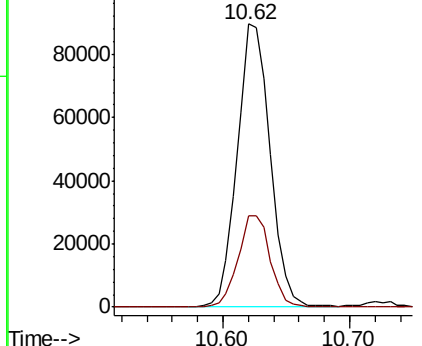
75 100

77 32.1 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.344 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

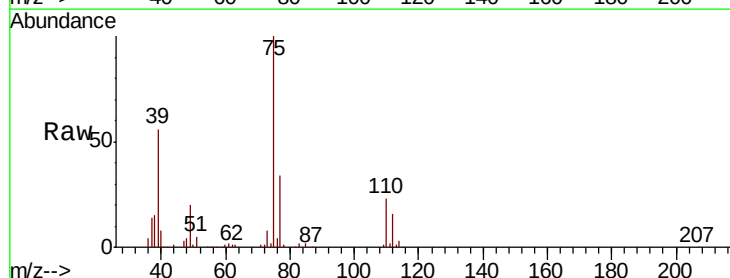
Tgt Ion: 75 Resp: 188475

Ion Ratio Lower Upper

75 100

77 34.3 25.2 37.8

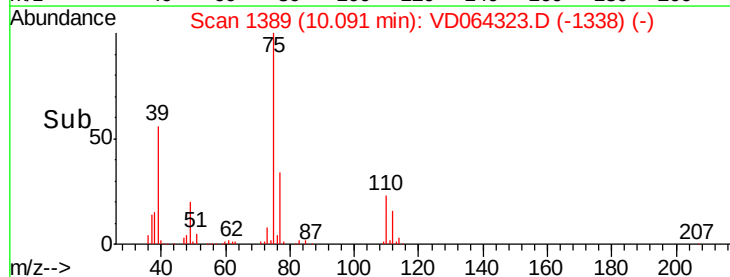
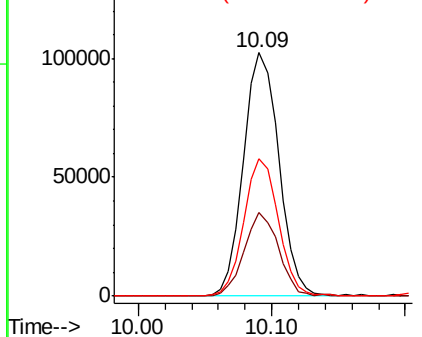
39 56.3 44.2 66.2

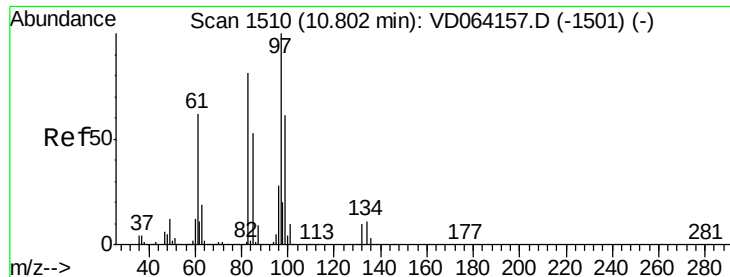


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

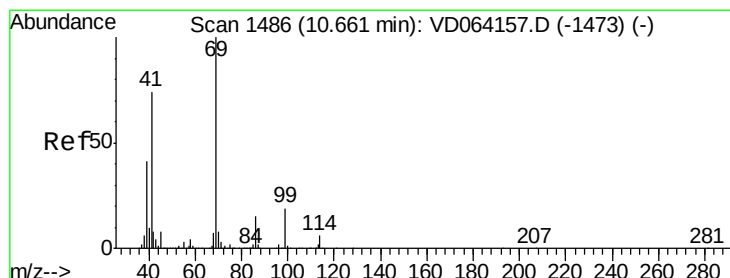
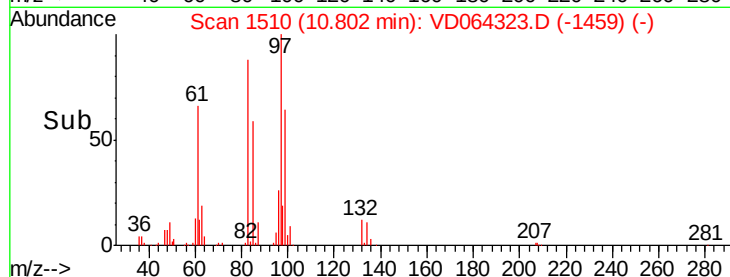
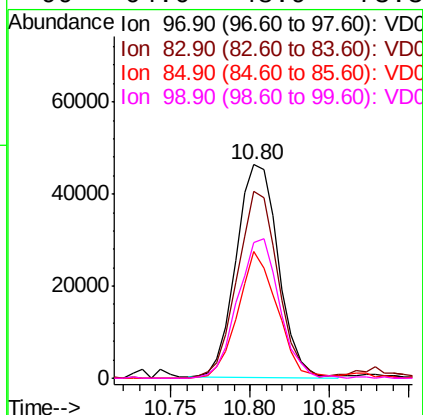
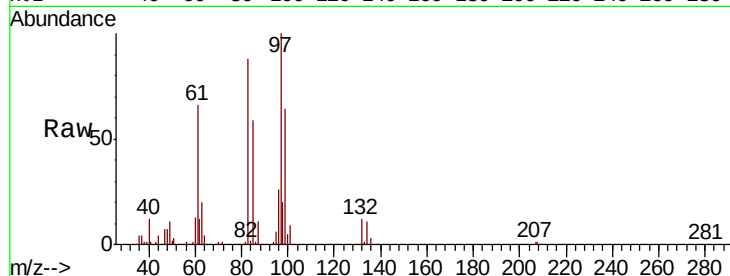




#55  
 1,1,2-Trichloroethane  
 Concen: 21.485 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

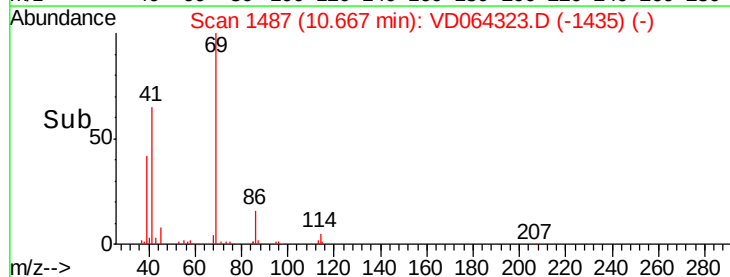
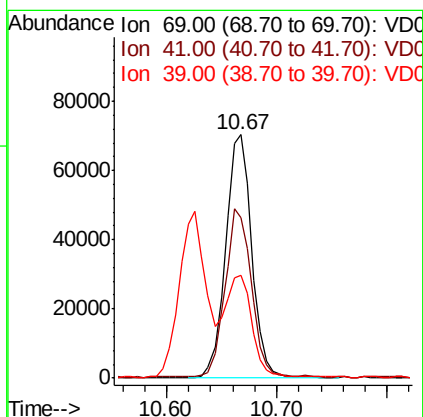
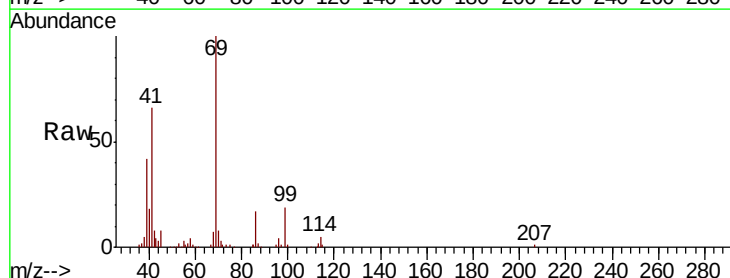
Instrument :  
 MSVOA\_D  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 85747 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.2  | 65.1  | 97.7  |
| 85       | 59.4  | 42.0  | 63.0  |
| 99       | 64.0  | 48.9  | 73.3  |

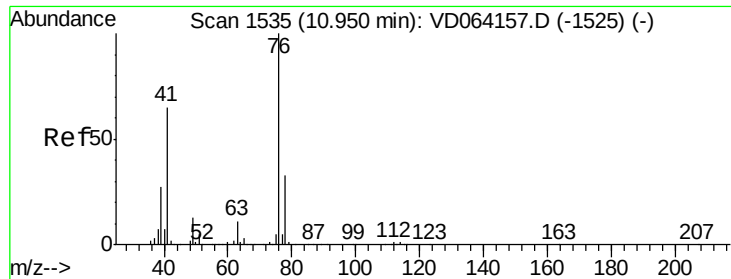


#56  
 Ethyl methacrylate  
 Concen: 20.909 ug/l  
 RT: 10.67 min Scan# 1487  
 Delta R.T. 0.01 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 116732 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.1  | 57.9  | 86.9   |
| 39       | 43.8  | 29.0  | 43.4#  |



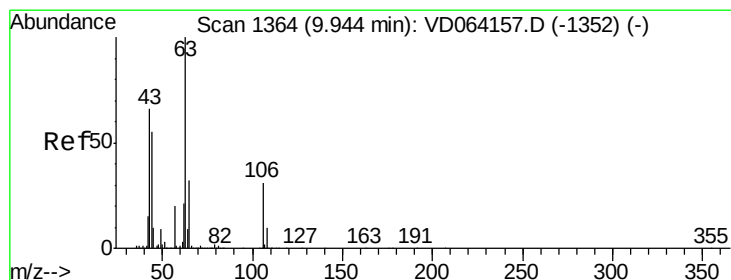
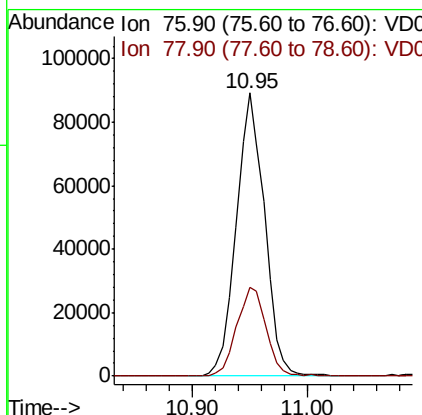
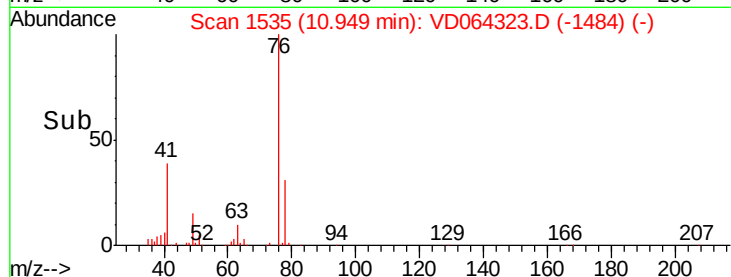
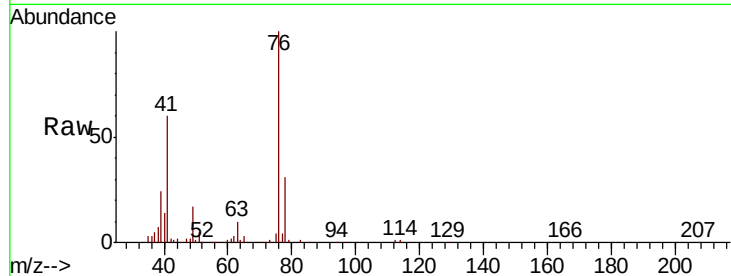




#57  
 1,3-Dichloropropane  
 Concen: 21.737 ug/l  
 RT: 10.95 min Scan# 1535  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

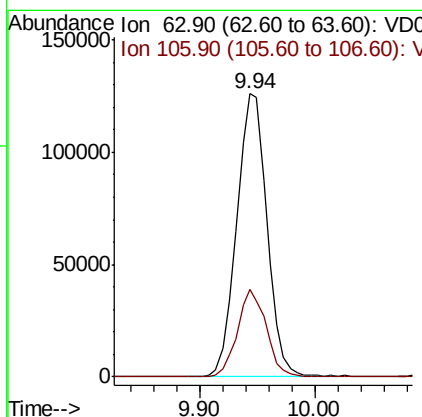
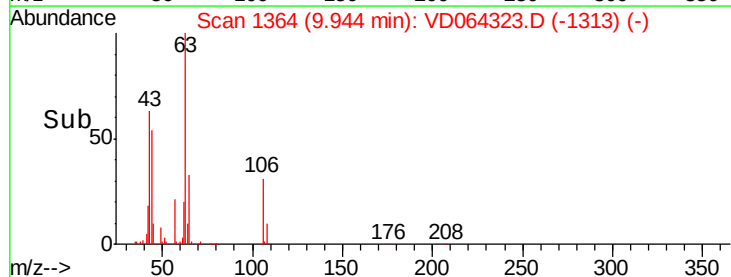
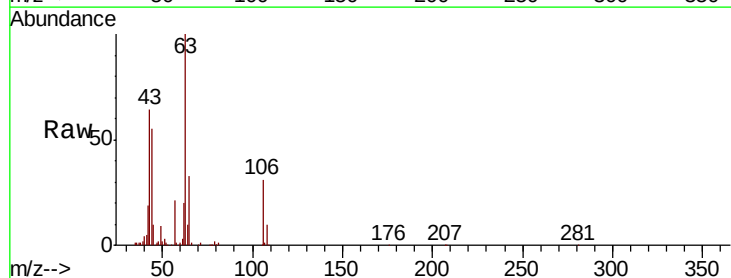
Instrument :  
 MSVOA\_D  
 ClientSampleId :

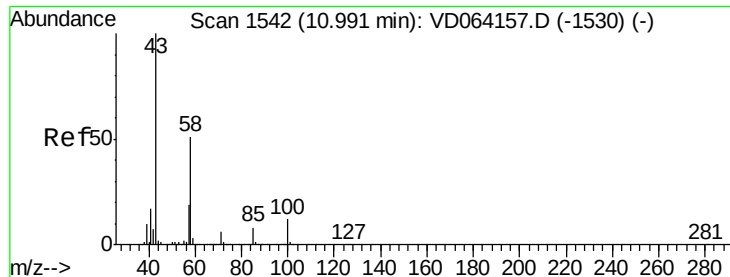
Tot Ion: 76 Resp: 151294  
 Ion Ratio Lower Upper  
 76 100  
 78 32.5 26.2 39.4



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 101.285 ug/l  
 RT: 9.94 min Scan# 1364  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

Tgt Ion: 63 Resp: 229054  
 Ion Ratio Lower Upper  
 63 100  
 106 29.3 24.1 36.1

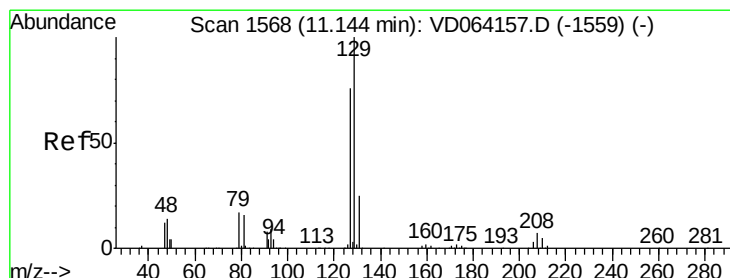
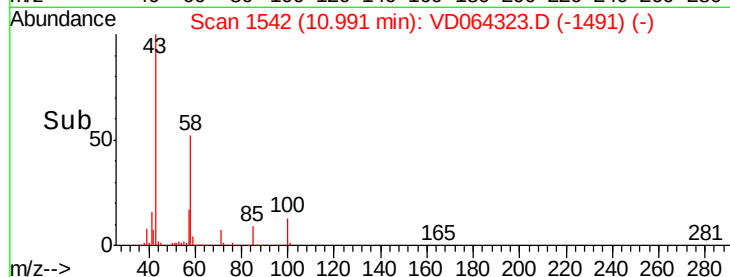
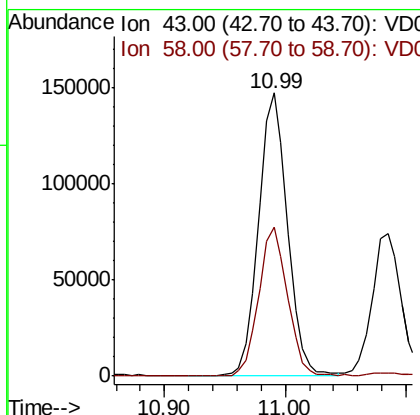
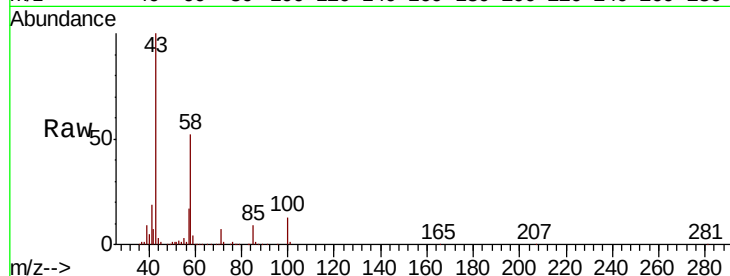




#59  
2-Hexanone  
Concen: 100.028 ug/l  
RT: 10.99 min Scan# 1542  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

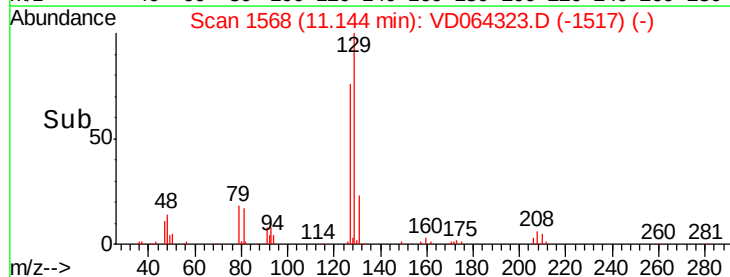
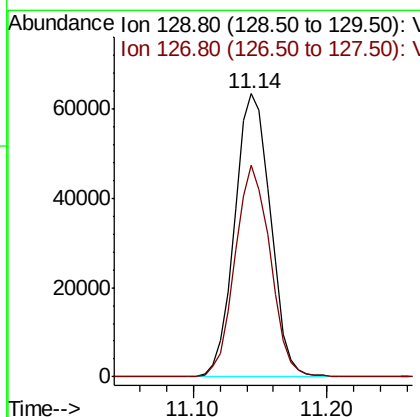
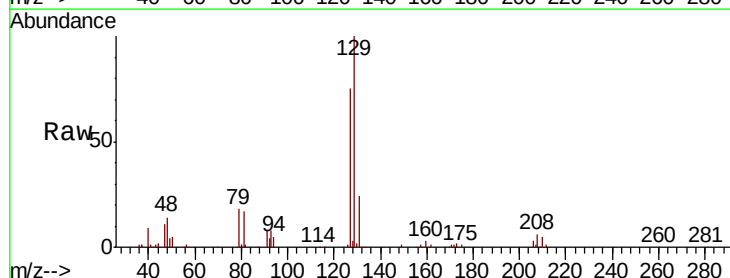
Instrument :  
MSVOA\_D  
ClientSampleId :

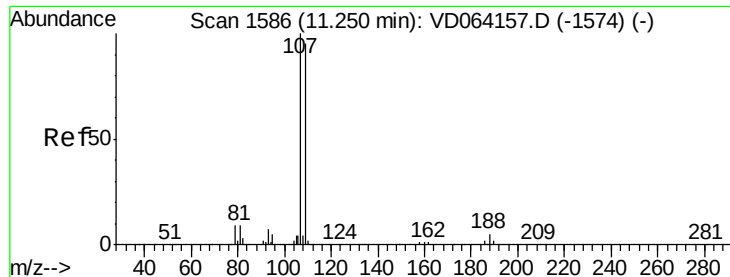
Tot Ion: 43 Resp: 244881  
Ion Ratio Lower Upper  
43 100  
58 52.6 25.9 77.7



#60  
Dibromochloromethane  
Concen: 21.096 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 129 Resp: 117480  
Ion Ratio Lower Upper  
129 100  
127 74.0 38.6 115.8

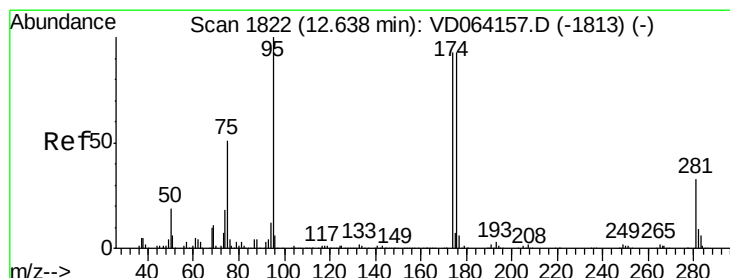
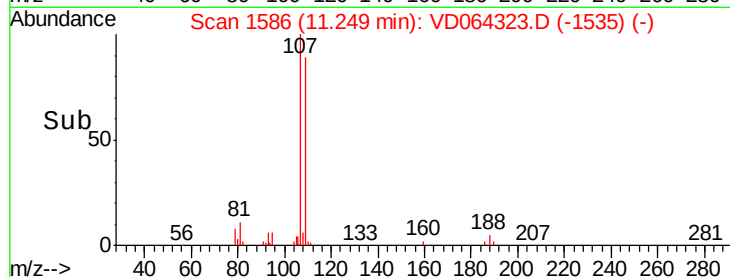
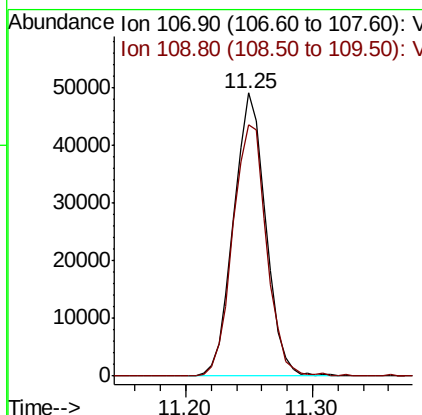
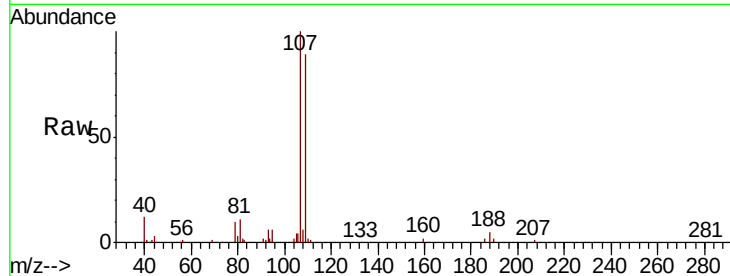




#61  
 1,2-Dibromoethane  
 Concen: 21.510 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

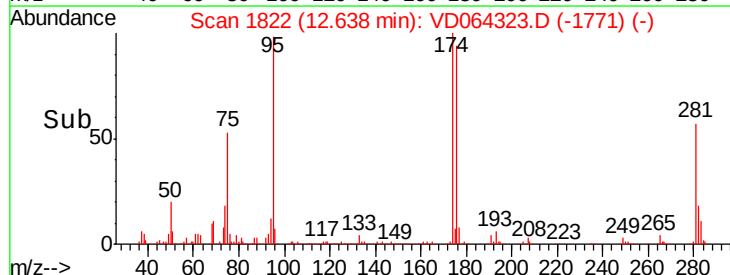
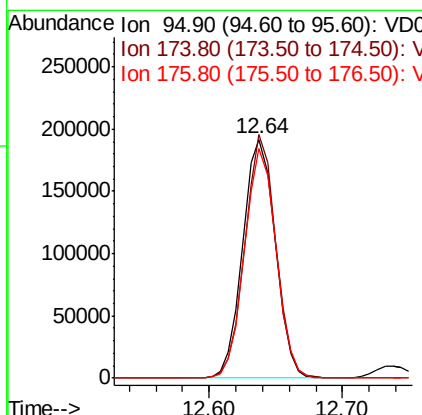
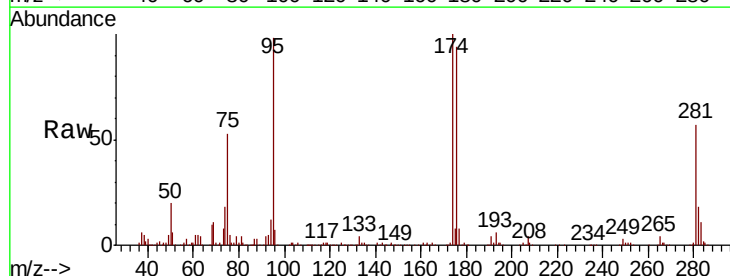
Instrument :  
 MSVOA\_D  
 ClientSampled :

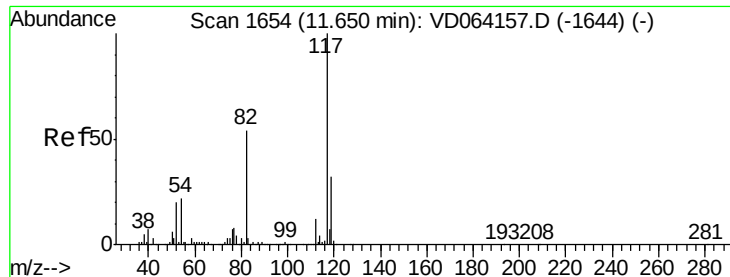
Tot Ion: 107 Resp: 85985  
 Ion Ratio Lower Upper  
 107 100  
 109 93.3 75.1 112.7



#62  
 4-Bromofluorobenzene  
 Concen: 48.048 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

Tgt Ion: 95 Resp: 322520  
 Ion Ratio Lower Upper  
 95 100  
 174 96.7 0.0 183.6  
 176 93.1 0.0 180.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

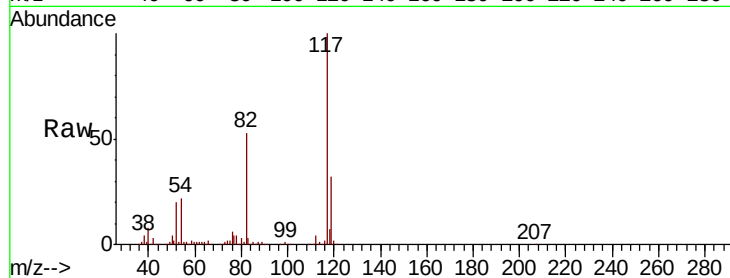
Tot Ion:117 Resp: 772514

Ion Ratio Lower Upper

117 100

82 53.0 42.8 64.2

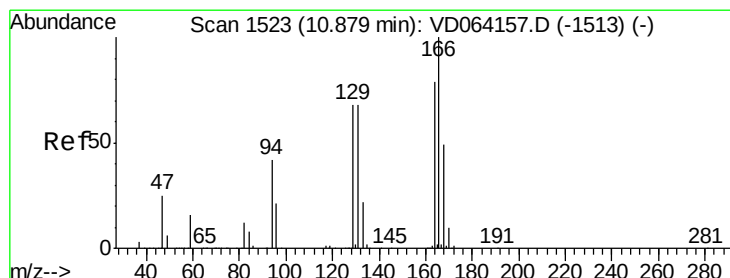
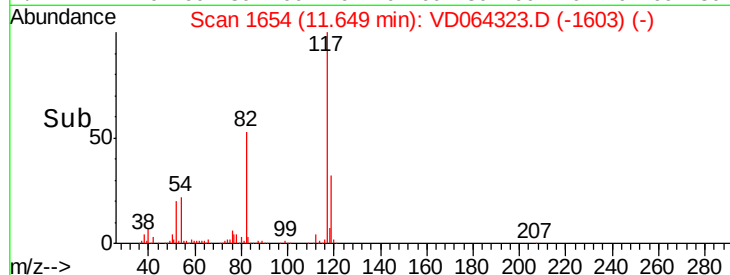
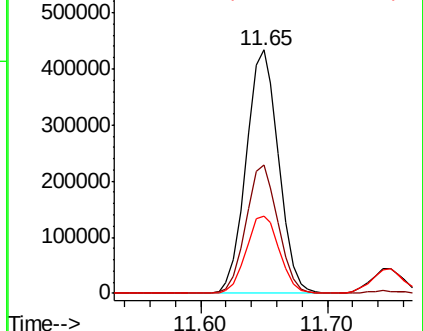
119 31.6 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.253 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:164 Resp: 126272

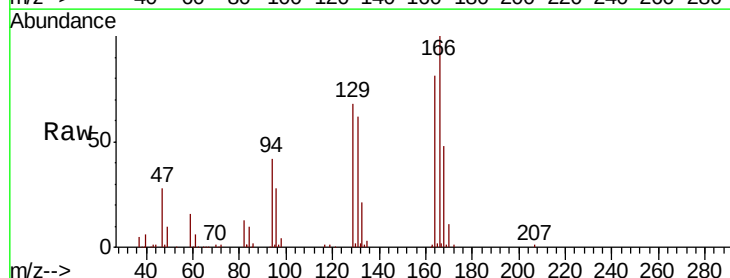
Ion Ratio Lower Upper

164 100

166 123.4 100.8 151.2

129 83.7 68.7 103.1

131 76.0 68.1 102.1

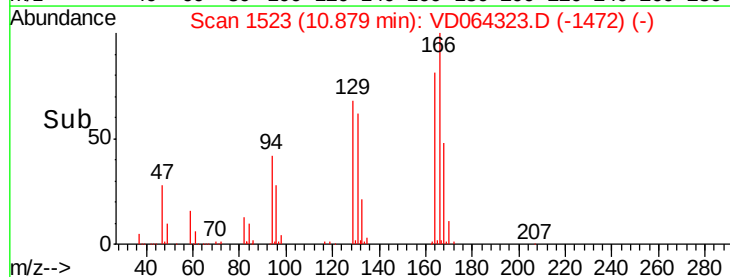
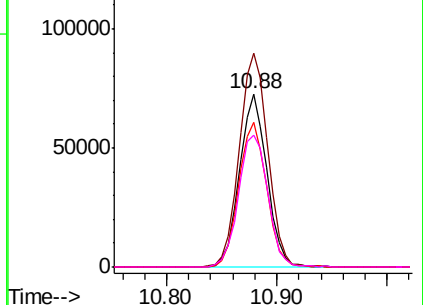


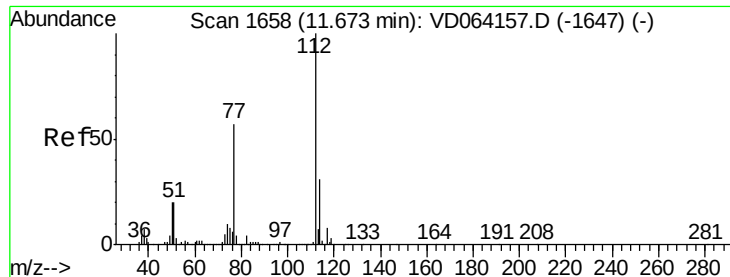
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

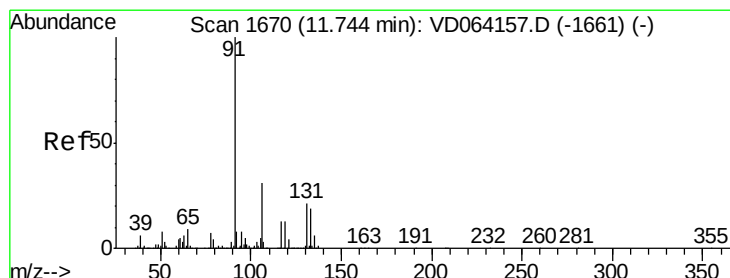
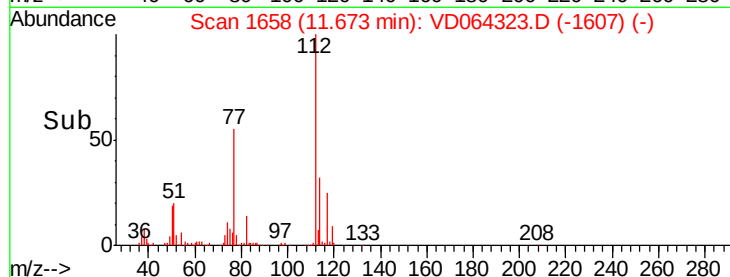
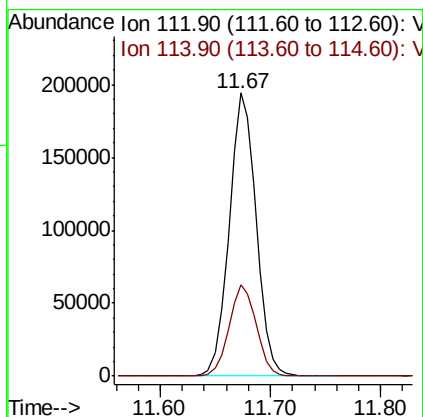
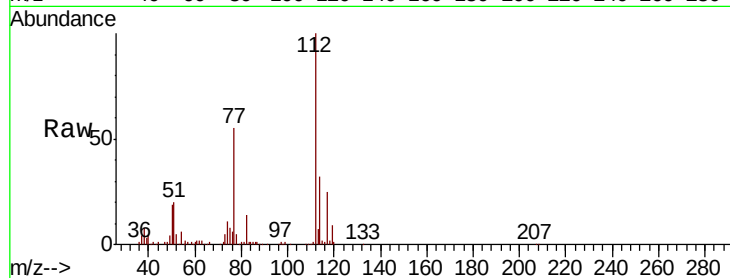




#65  
Chlorobenzene  
Concen: 21.157 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

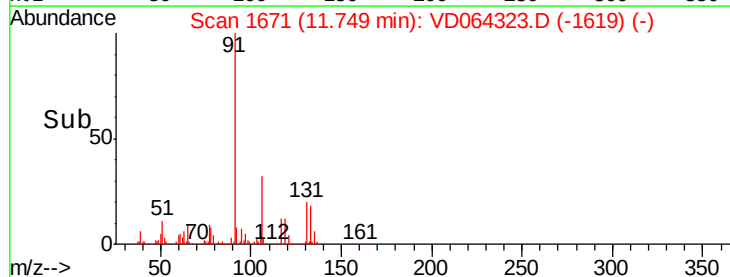
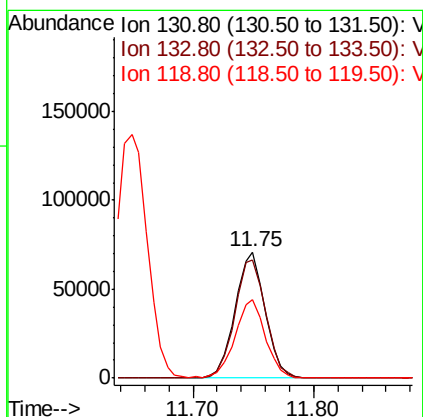
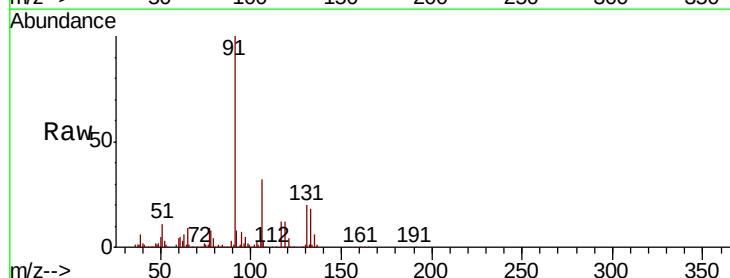
Instrument :  
MSVOA\_D  
ClientSampleId :

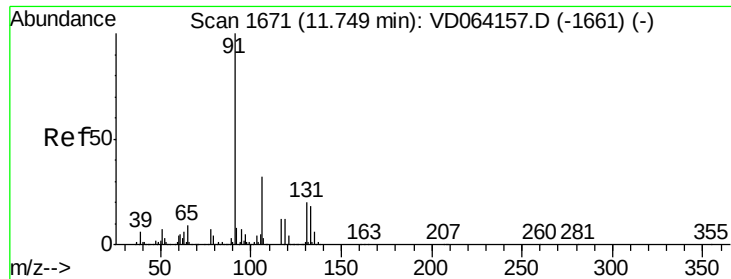
Tot Ion:112 Resp: 332363  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.2 37.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.608 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.01 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion:131 Resp: 123097  
Ion Ratio Lower Upper  
131 100  
133 97.5 47.3 141.9  
119 63.2 31.1 93.3

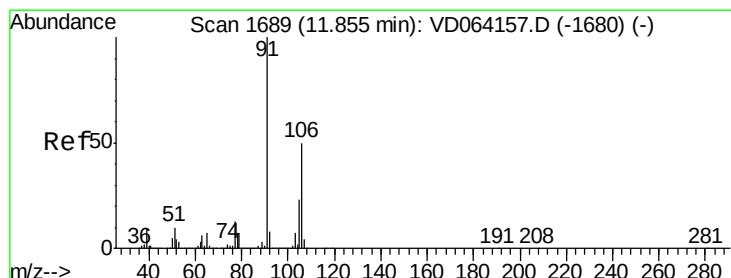
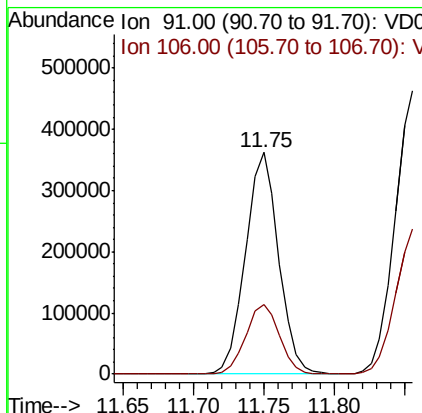
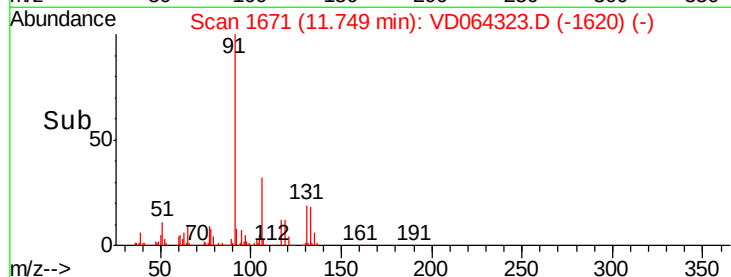
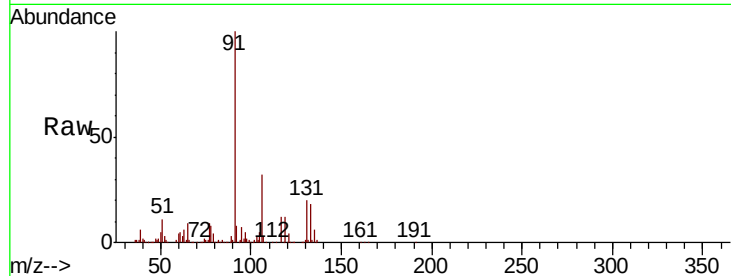




#67  
Ethyl Benzene  
Concen: 21.026 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

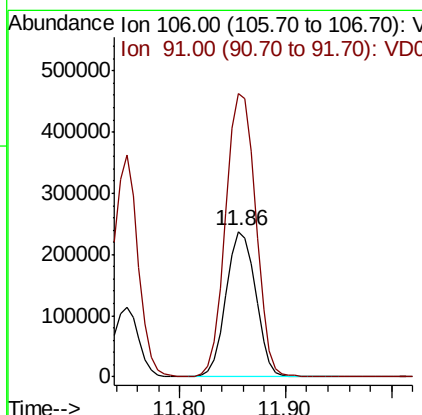
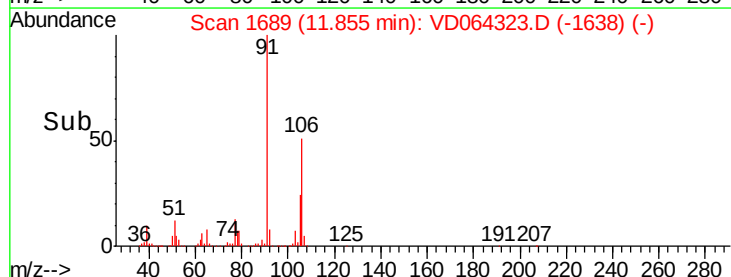
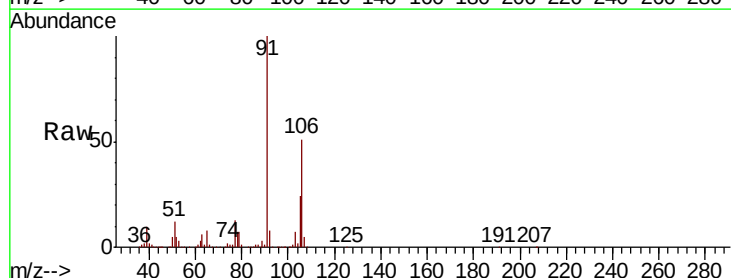
Instrument :  
MSVOA\_D  
ClientSampled :

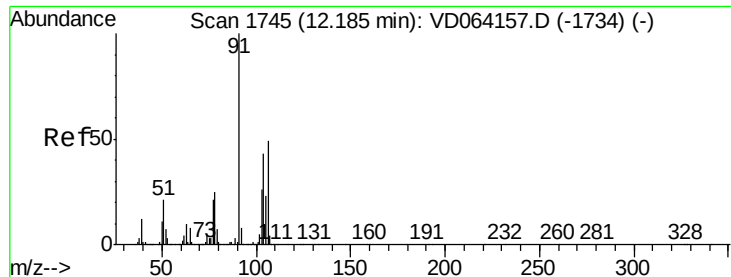
Tot Ion: 91 Resp: 597456  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.5 38.3



#68  
m/p-Xylenes  
Concen: 42.420 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 106 Resp: 462020  
Ion Ratio Lower Upper  
106 100  
91 198.2 160.3 240.5

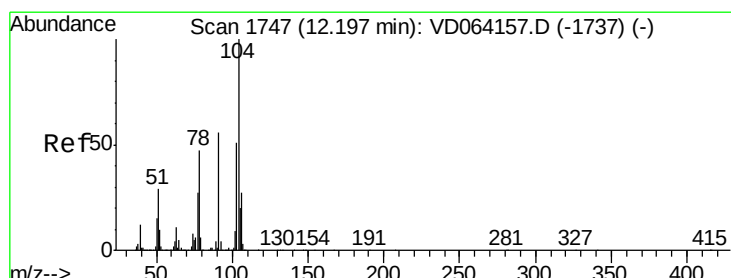
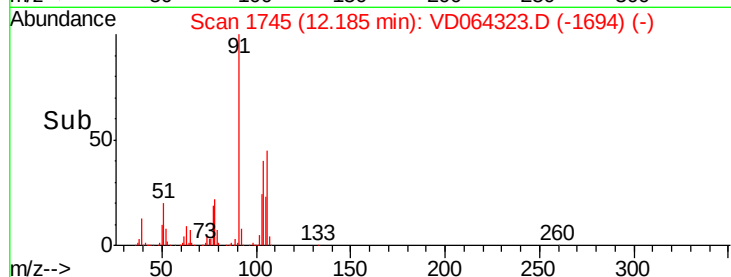
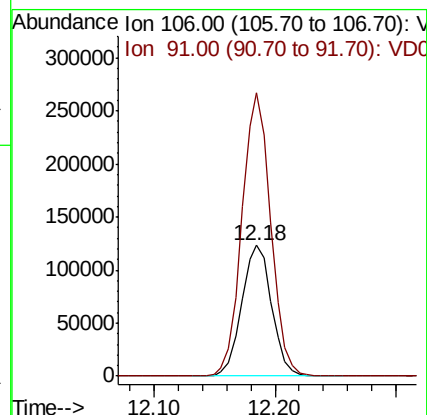
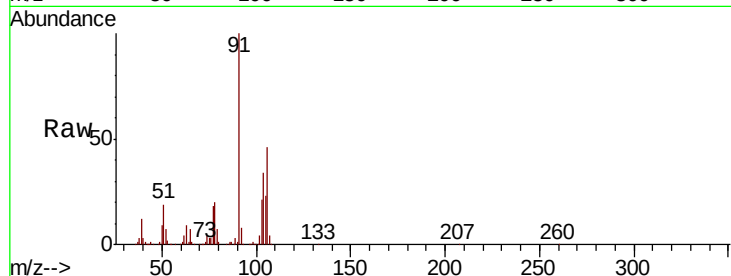




#69  
o-Xylene  
Concen: 21.076 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

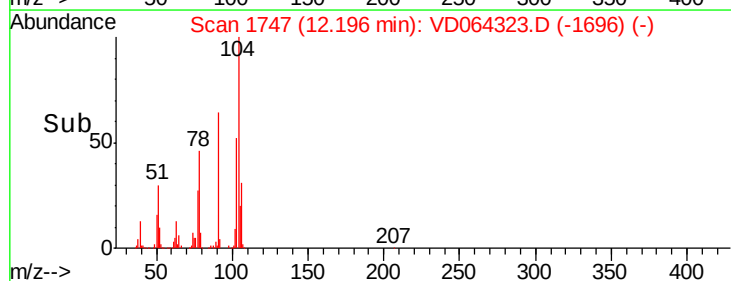
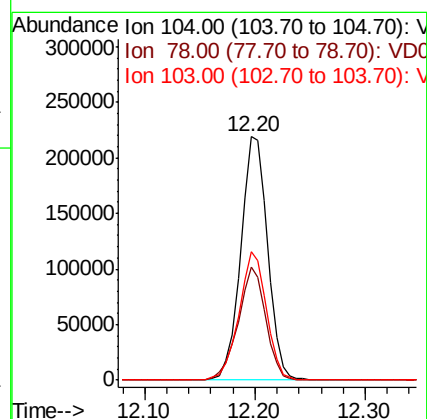
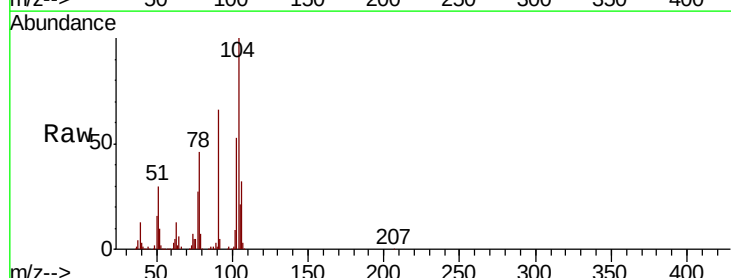
Instrument :  
MSVOA\_D  
ClientSampleId :

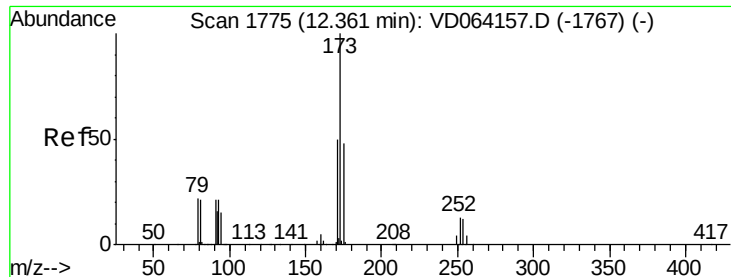
Tot Ion:106 Resp: 212895  
Ion Ratio Lower Upper  
106 100  
91 208.4 105.1 315.3



#70  
Styrene  
Concen: 21.274 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion:104 Resp: 375113  
Ion Ratio Lower Upper  
104 100  
78 47.7 39.9 59.9  
103 53.9 43.4 65.0





#71

Bromoform

Concen: 20.948 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampled :

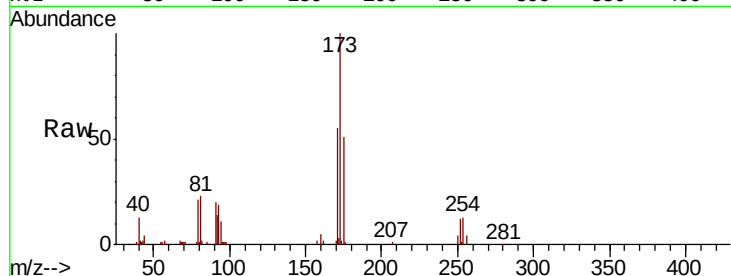
Tot Ion:173 Resp: 71211

Ion Ratio Lower Upper

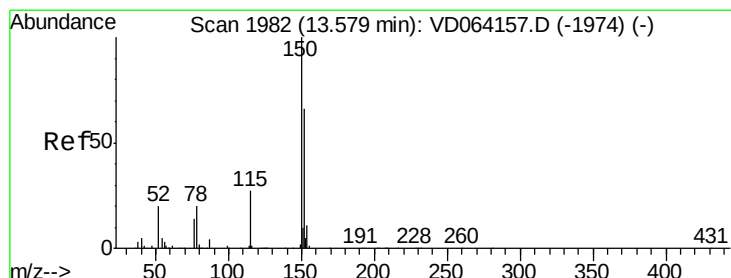
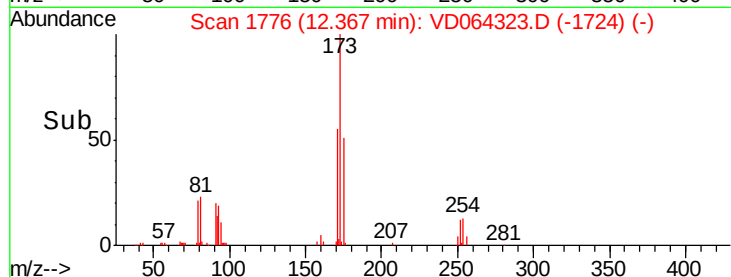
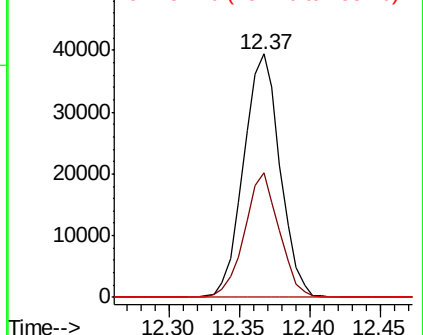
173 100

175 48.6 24.1 72.3

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

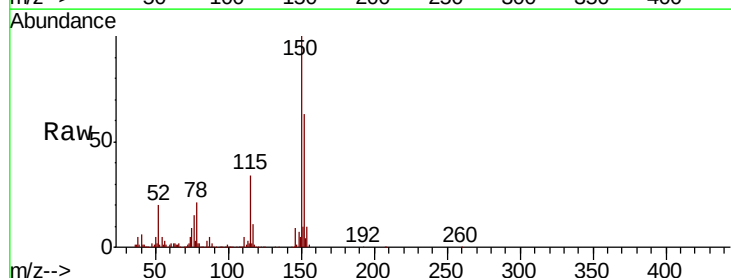
Tgt Ion:152 Resp: 375212

Ion Ratio Lower Upper

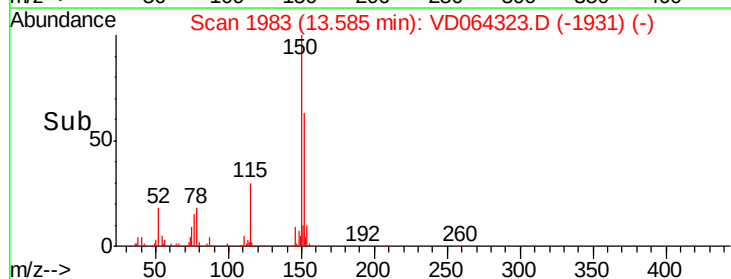
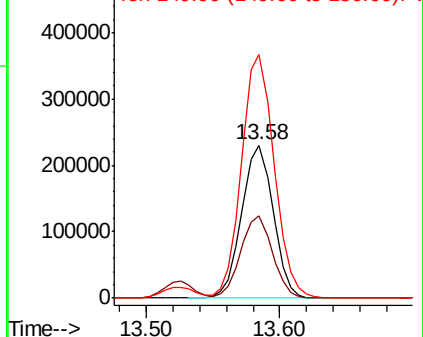
152 100

115 54.6 27.4 82.2

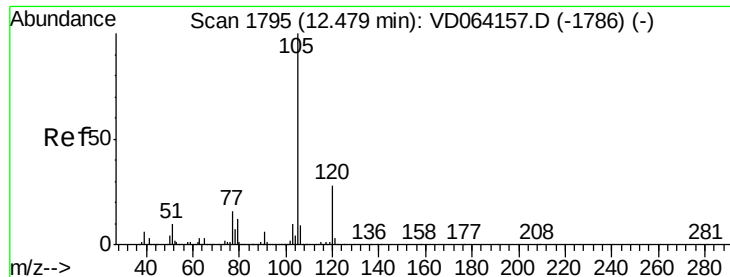
150 166.0 0.0 351.6



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 21.584 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

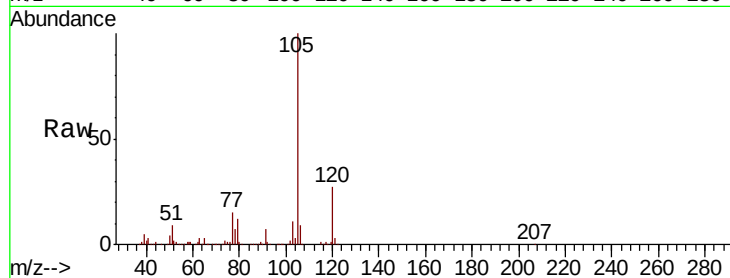
ClientSampleId :

Tot Ion:105 Resp: 594434

Ion Ratio Lower Upper

105 100

120 26.3 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

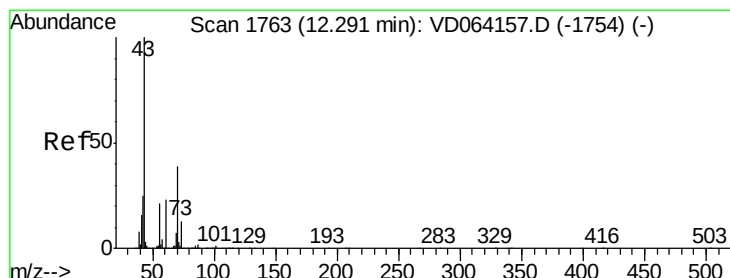
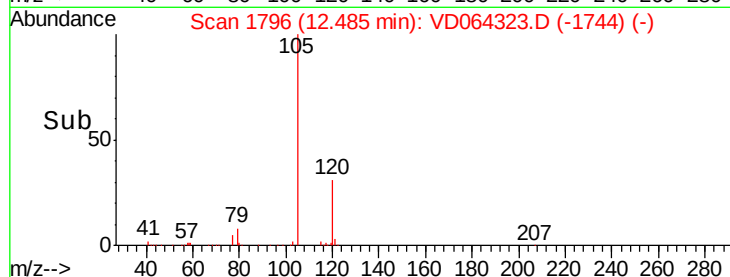
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.872 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion: 43 Resp: 135740

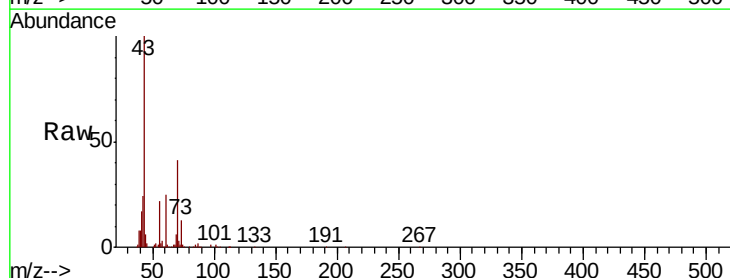
Ion Ratio Lower Upper

43 100

70 40.5 32.4 48.6

55 22.9 17.9 26.9

61 22.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

120000

100000

80000

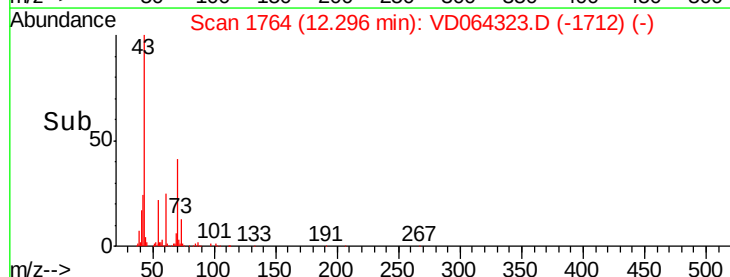
60000

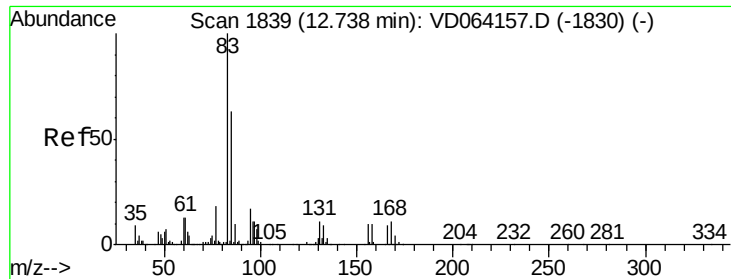
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.484 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

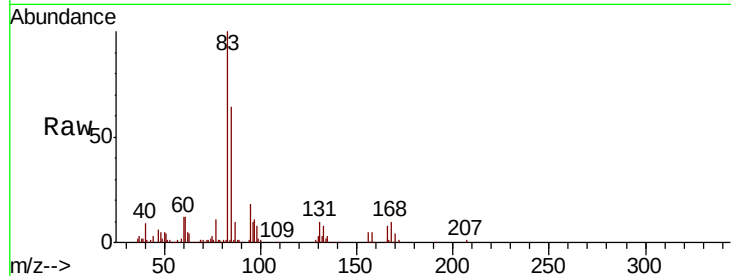
Tot Ion: 83 Resp: 93306

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 10.5  | 5.9   | 17.7  |
| 85  | 64.5  | 32.5  | 97.5  |

83 100

131 10.5 5.9 17.7

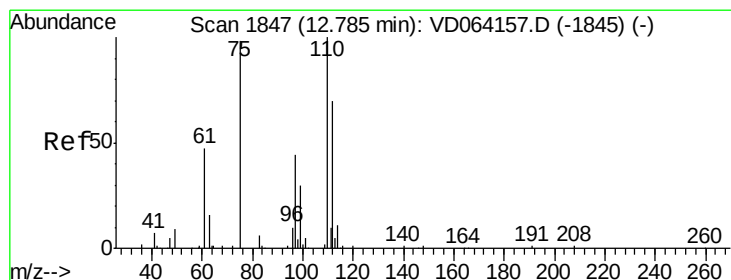
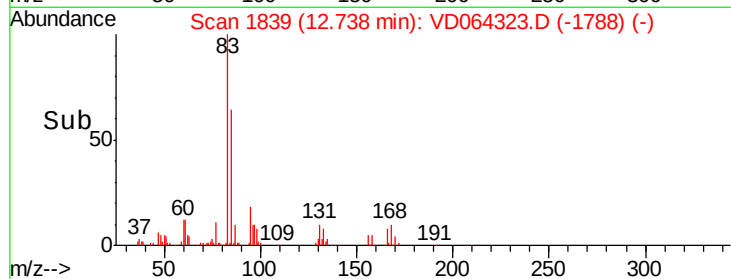
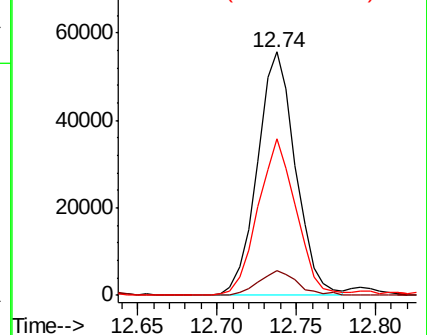
85 64.5 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 40.037 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064323.D

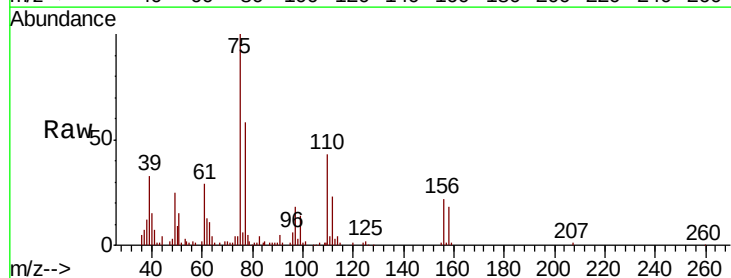
Acq: 21 Nov 2019 14:33

Tgt Ion: 75 Resp: 121001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 0.0   | 0.0   | 0.0   |

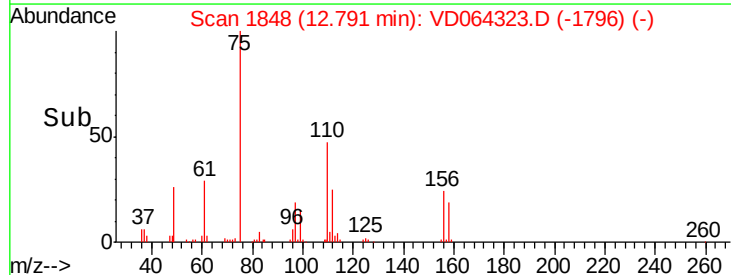
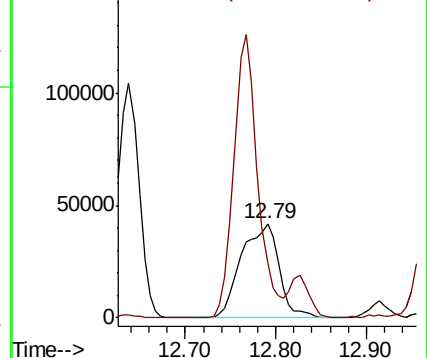
75 100

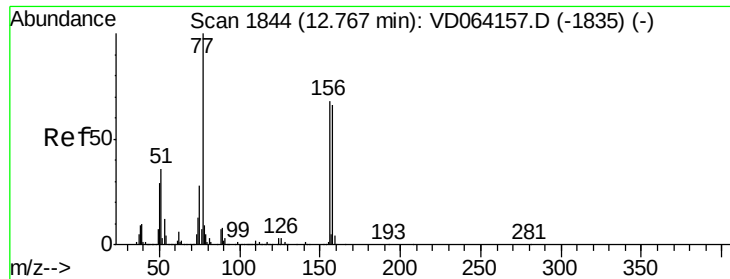
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.210 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

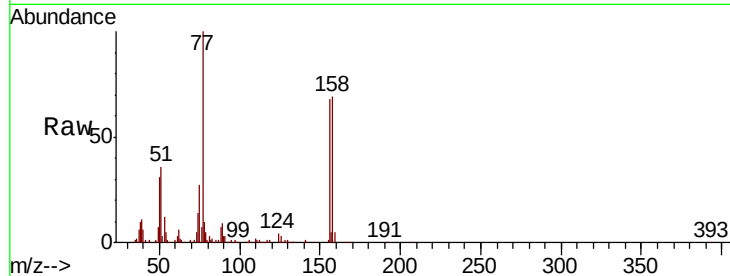
Tot Ion:156 Resp: 141909

Ion Ratio Lower Upper

156 100

77 164.6 81.2 243.4

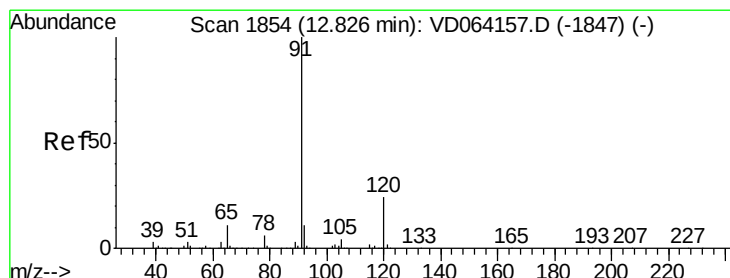
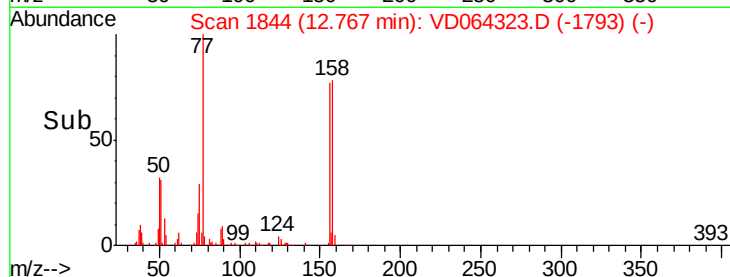
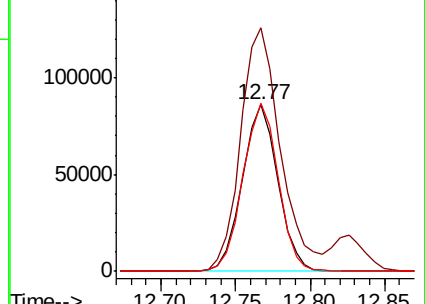
158 99.8 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.685 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064323.D

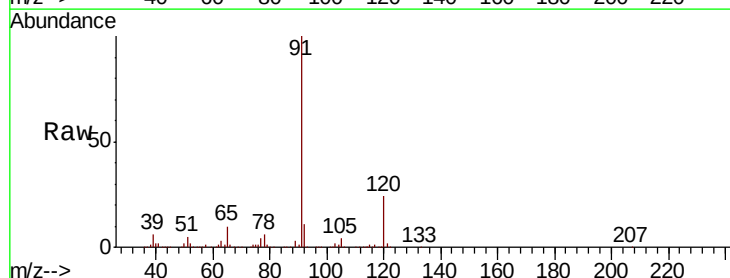
Acq: 21 Nov 2019 14:33

Tgt Ion: 91 Resp: 682318

Ion Ratio Lower Upper

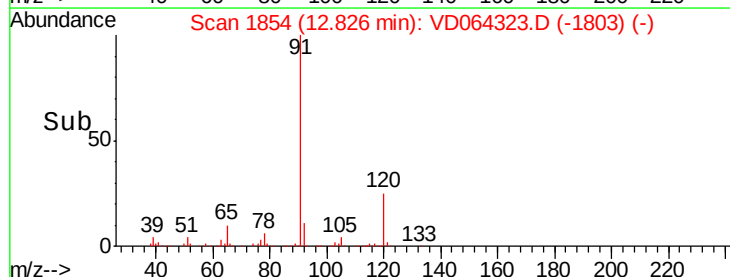
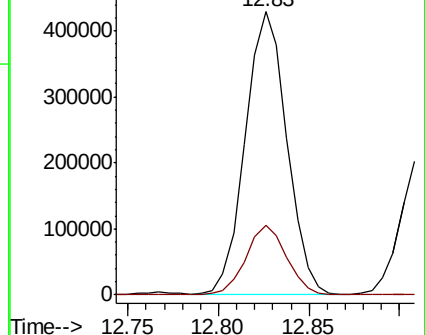
91 100

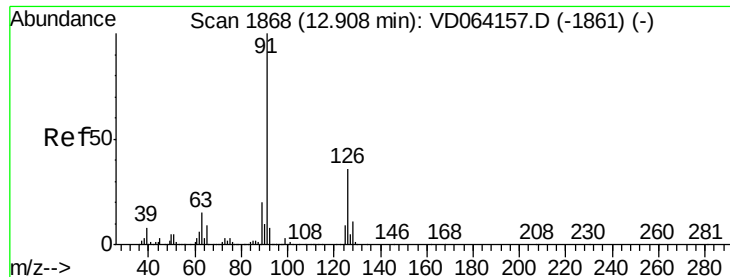
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.951 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

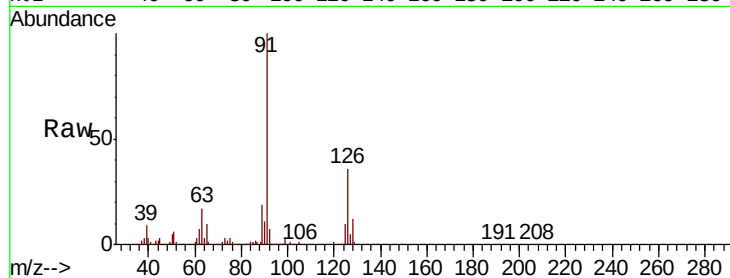
ClientSampled :

Tot Ion: 91 Resp: 372187

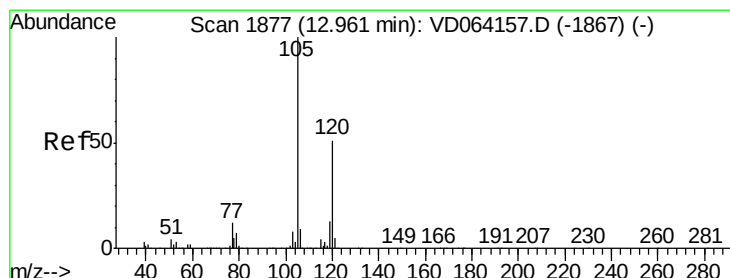
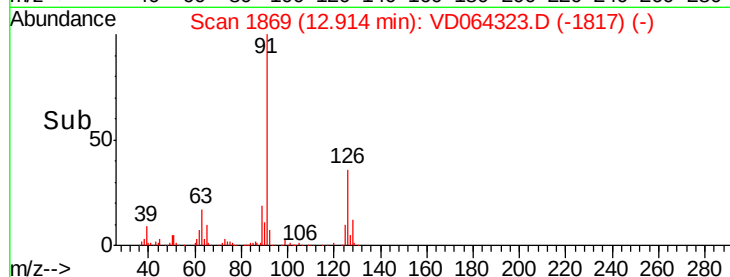
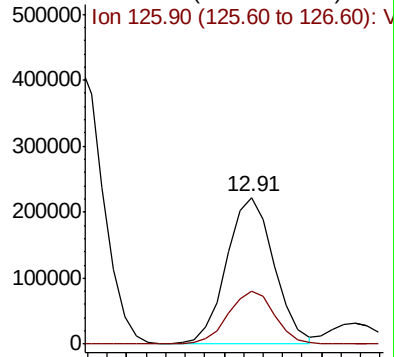
Ion Ratio Lower Upper

91 100

126 35.7 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.262 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064323.D

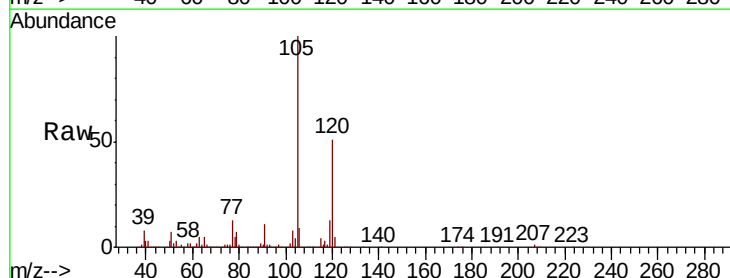
Acq: 21 Nov 2019 14:33

Tgt Ion: 105 Resp: 481164

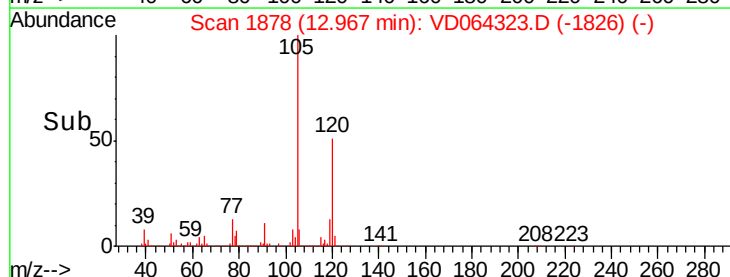
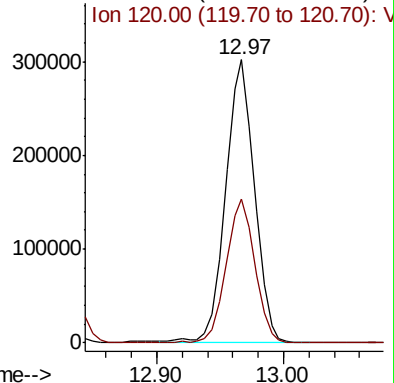
Ion Ratio Lower Upper

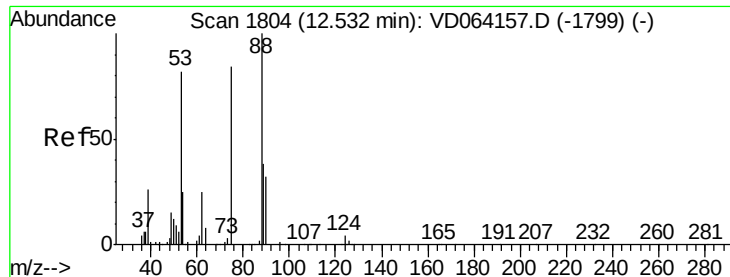
105 100

120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

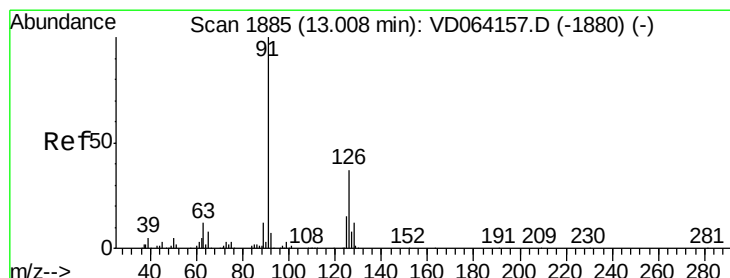
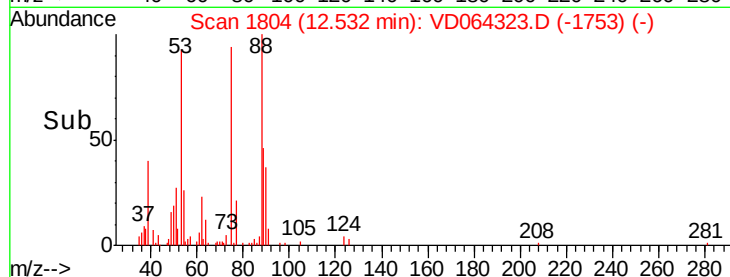
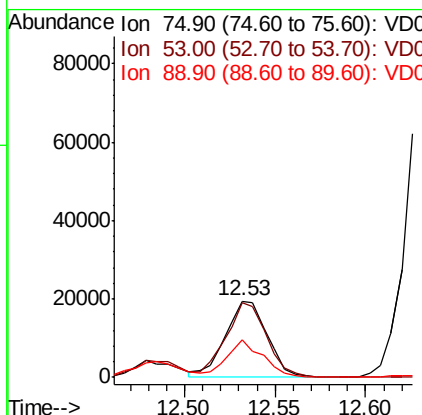
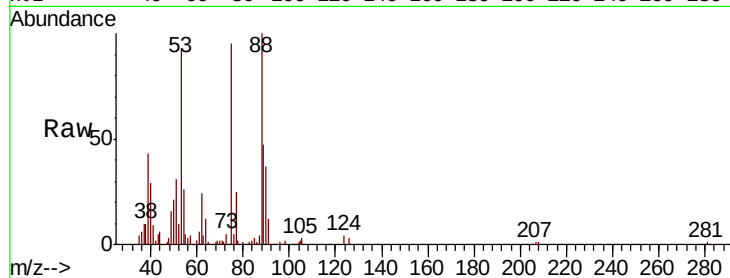




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.689 ug/l  
RT: 12.53 min Scan# 1804  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

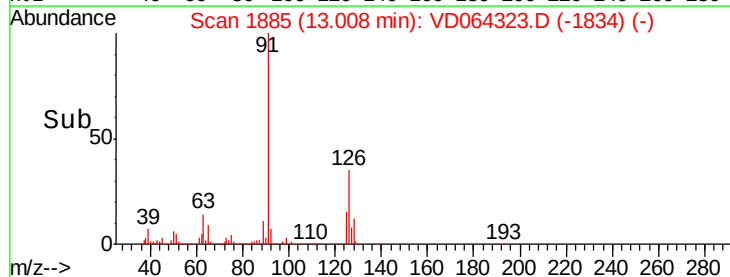
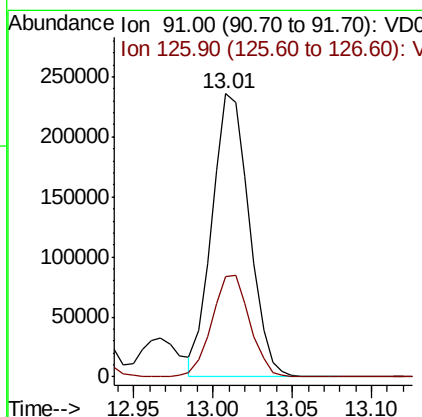
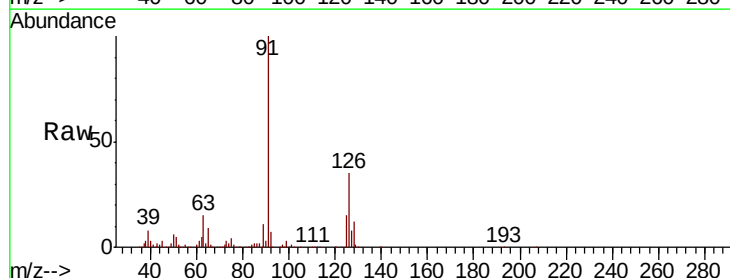
Instrument :  
MSVOA\_D  
ClientSampleId :

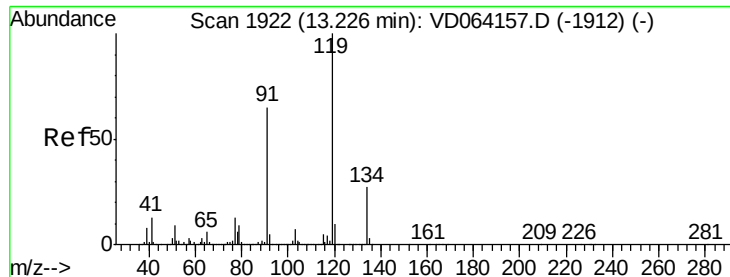
Tot Ion: 75 Resp: 31477  
Ion Ratio Lower Upper  
75 100  
53 93.6 79.4 119.0  
89 42.0 36.6 55.0



#82  
4-Chlorotoluene  
Concen: 20.690 ug/l  
RT: 13.01 min Scan# 1885  
Delta R.T. -0.00 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 91 Resp: 383361  
Ion Ratio Lower Upper  
91 100  
126 36.6 17.8 53.4





#83

tert-Butylbenzene

Concen: 21.045 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

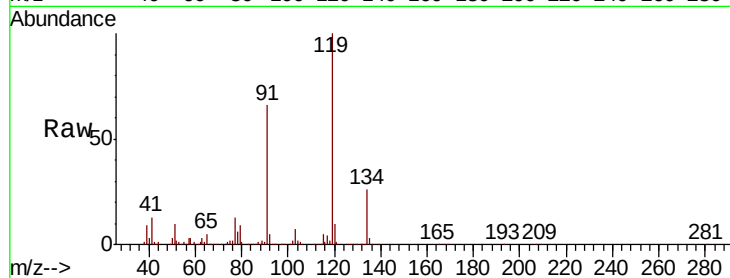
Tot Ion:119 Resp: 419949

Ion Ratio Lower Upper

119 100

91 63.9 31.8 95.4

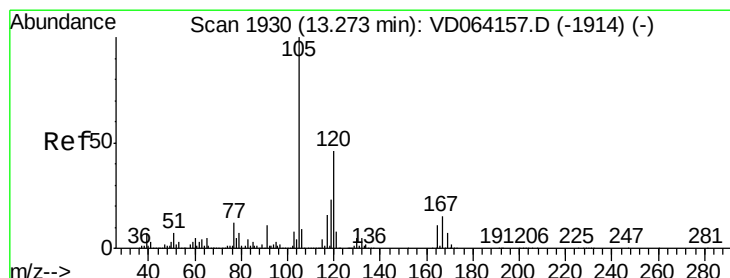
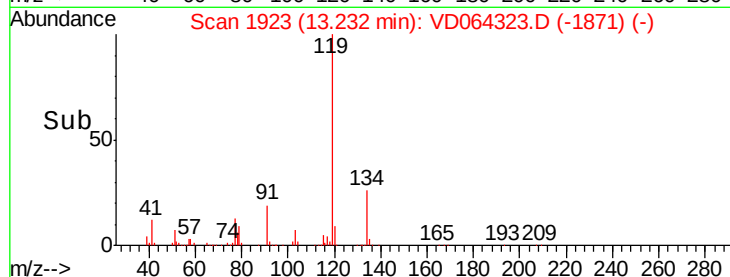
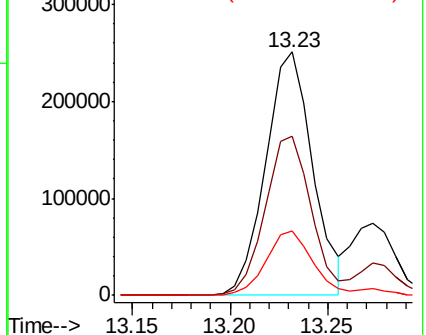
134 26.2 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.765 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD064323.D

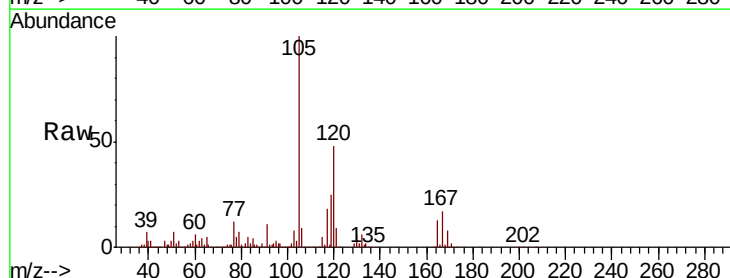
Acq: 21 Nov 2019 14:33

Tgt Ion:105 Resp: 486261

Ion Ratio Lower Upper

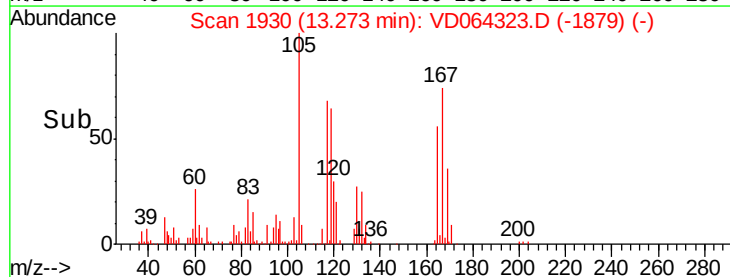
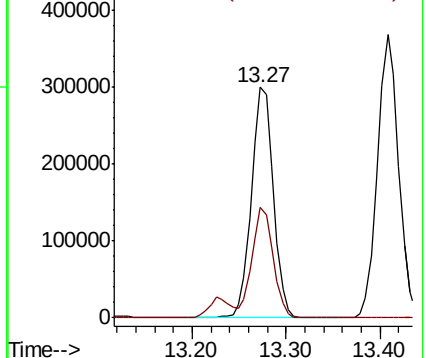
105 100

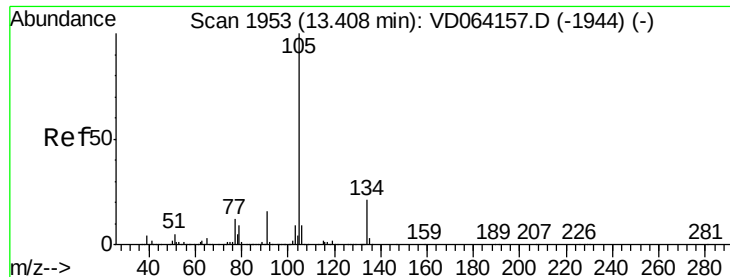
120 45.9 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.328 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

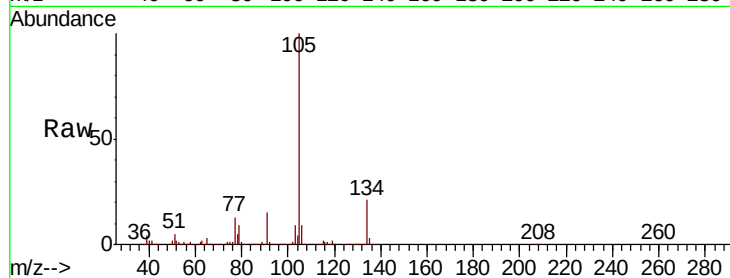
ClientSampleId :

Tot Ion:105 Resp: 571602

Ion Ratio Lower Upper

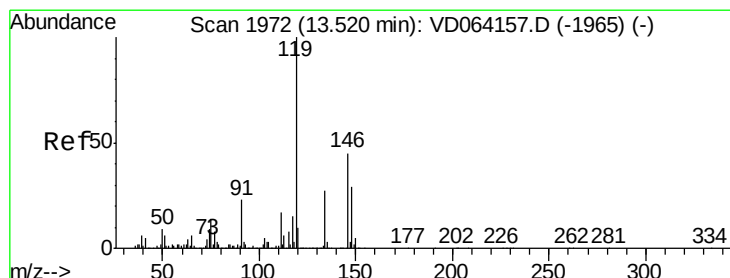
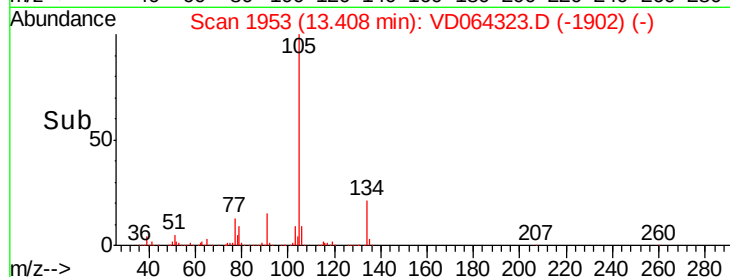
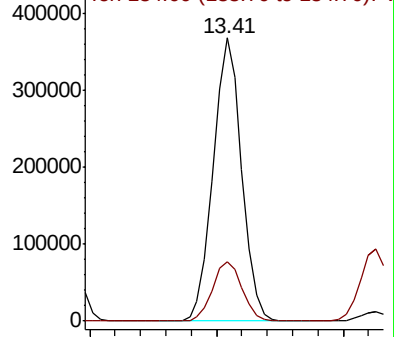
105 100

134 21.8 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.919 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

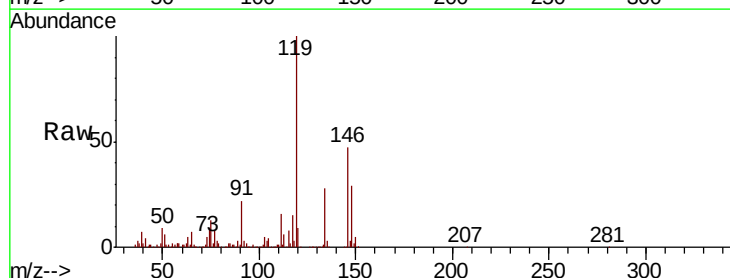
Tgt Ion:119 Resp: 533006

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

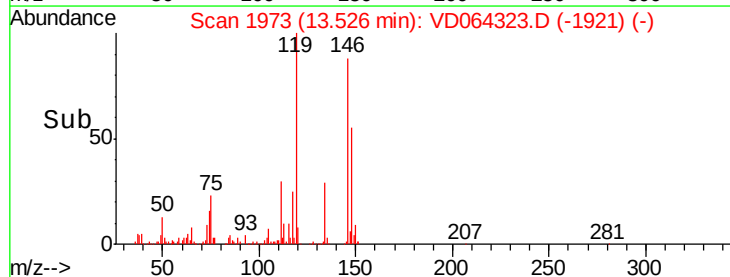
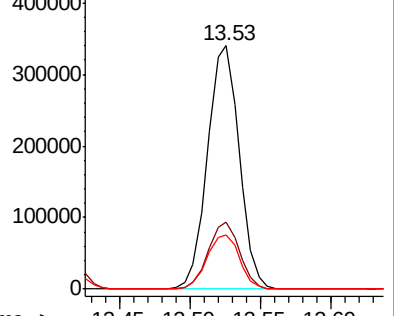
91 23.0 11.5 34.4

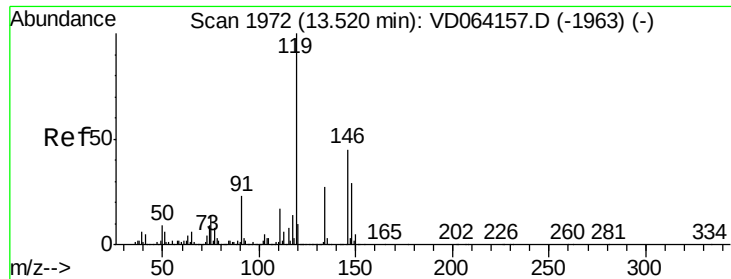


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

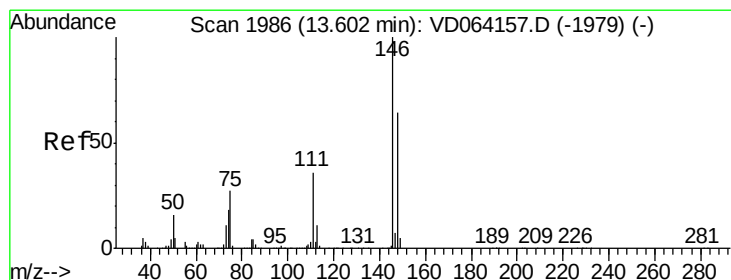
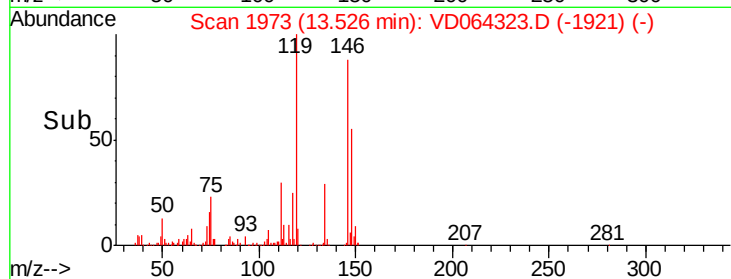
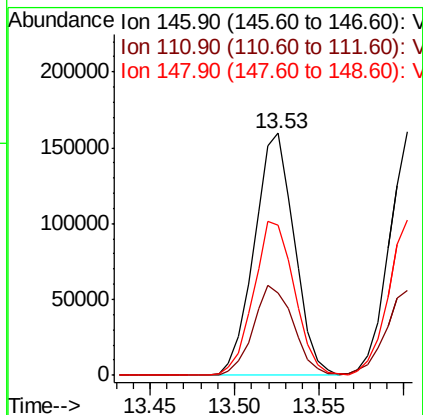
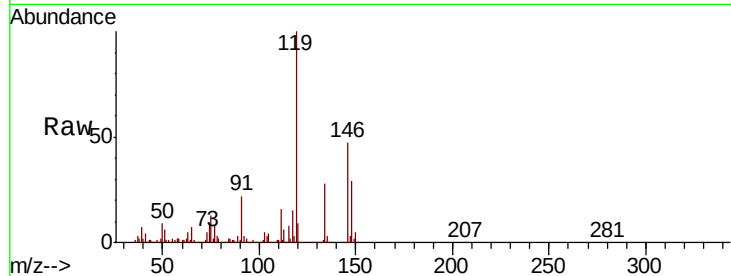




#87  
 1,3-Dichlorobenzene  
 Concen: 21.142 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.01 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

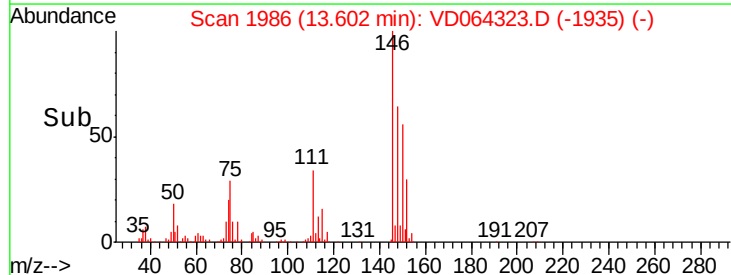
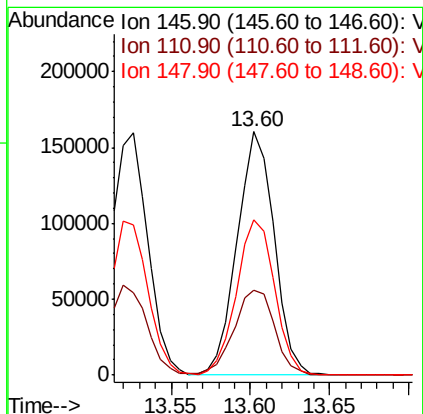
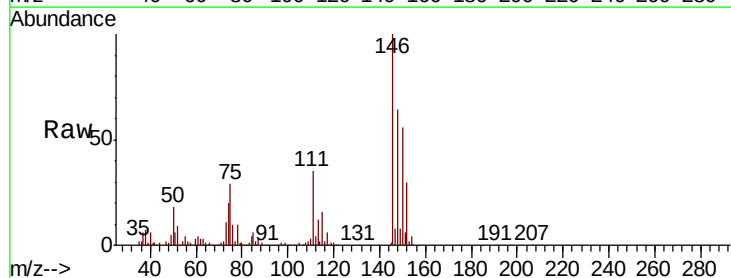
Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.4  | 18.9  | 56.9  |
| 148     | 64.9  | 32.1  | 96.5  |

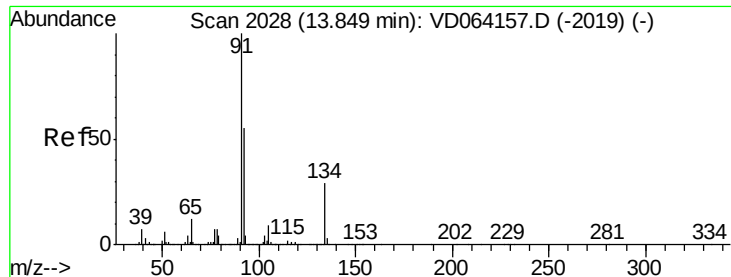


#88  
 1,4-Dichlorobenzene  
 Concen: 21.496 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.4  | 18.1  | 54.4  |
| 148     | 65.7  | 31.9  | 95.7  |



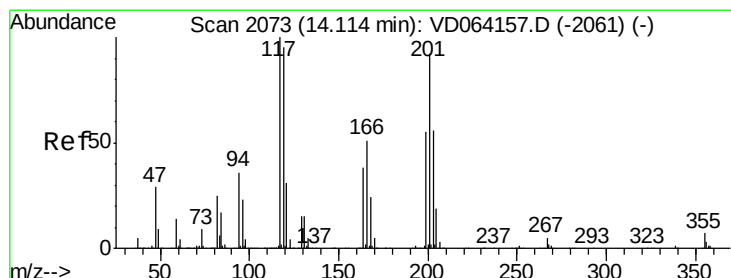
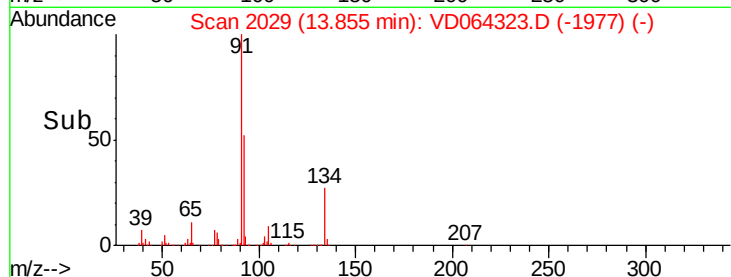
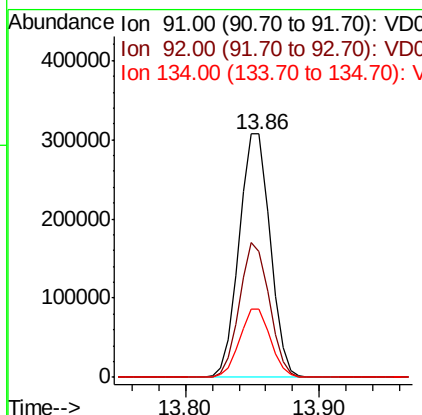
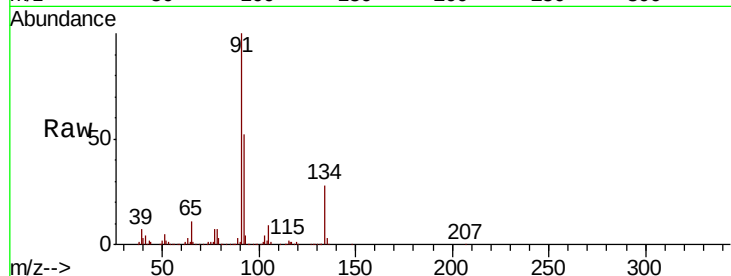




#89  
n-Butylbenzene  
Concen: 21.463 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.01 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

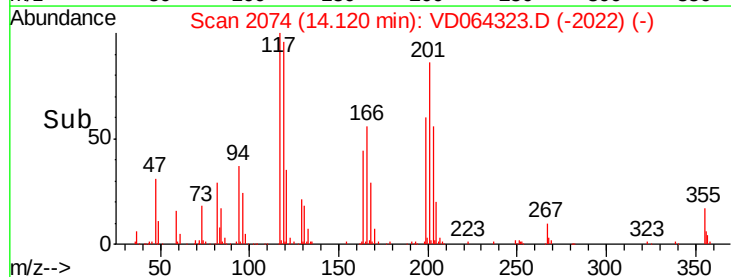
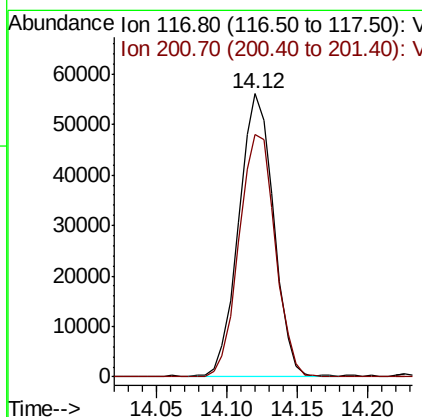
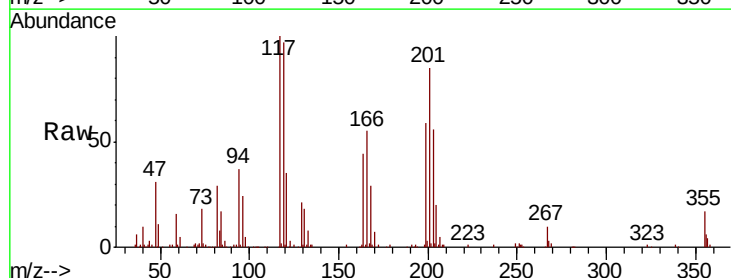
Instrument :  
MSVOA\_D  
ClientSampleId :

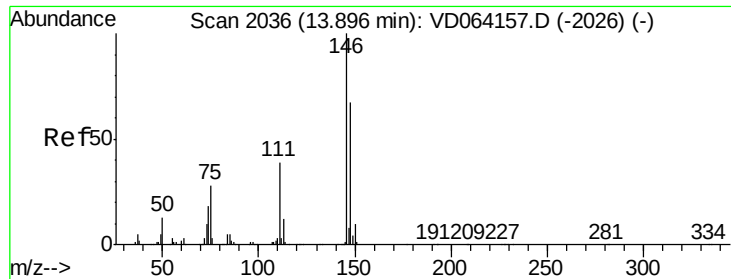
Tot Ion: 91 Resp: 494067  
Ion Ratio Lower Upper  
91 100  
92 53.3 27.3 81.8  
134 27.8 14.1 42.4



#90  
Hexachloroethane  
Concen: 20.637 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.01 min  
Lab File: VD064323.D  
Acq: 21 Nov 2019 14:33

Tgt Ion: 117 Resp: 97175  
Ion Ratio Lower Upper  
117 100  
201 88.5 45.8 137.4

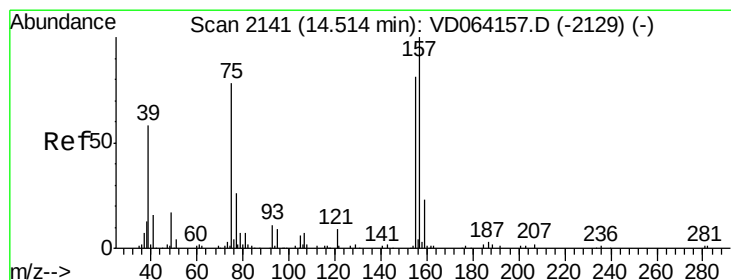
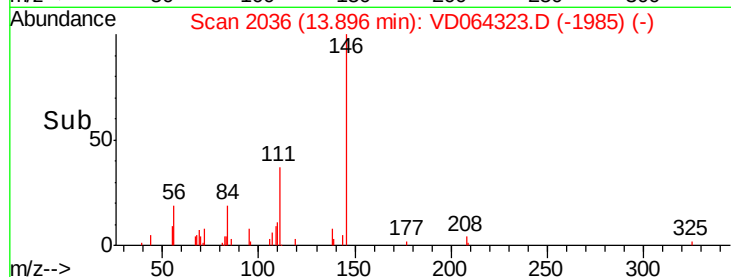
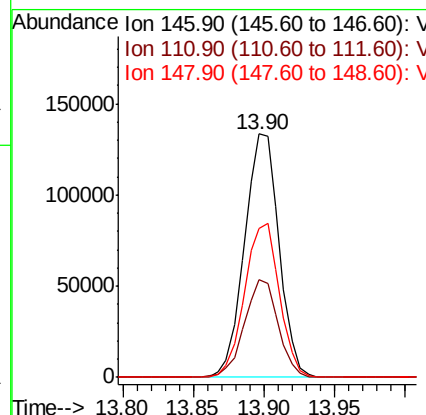
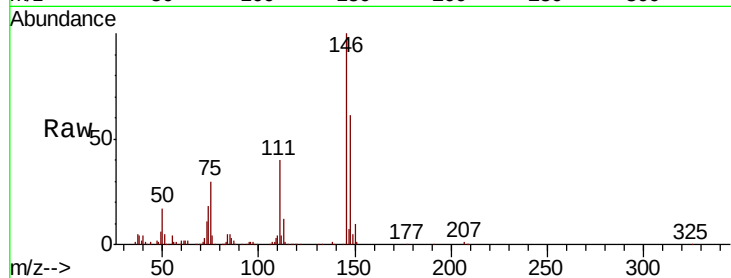




#91  
 1,2-Dichlorobenzene  
 Concen: 21.758 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

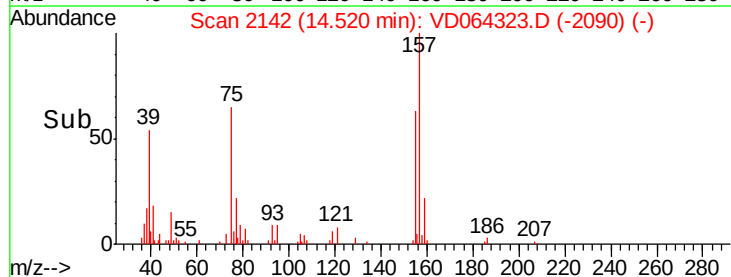
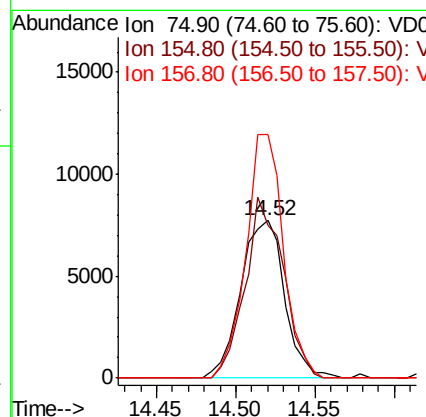
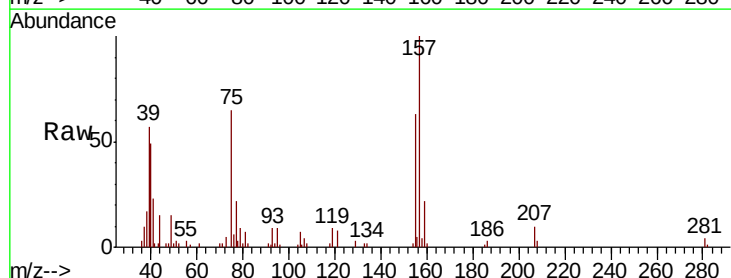
Instrument :  
 MSVOA\_D  
 ClientSampleId :

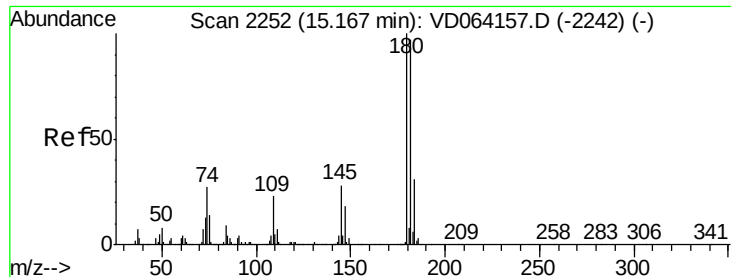
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.5  | 19.7  | 59.0  |
| 148     | 63.9  | 32.3  | 96.8  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.971 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.01 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 100.3 | 48.0  | 144.0 |
| 157     | 132.4 | 61.5  | 184.4 |

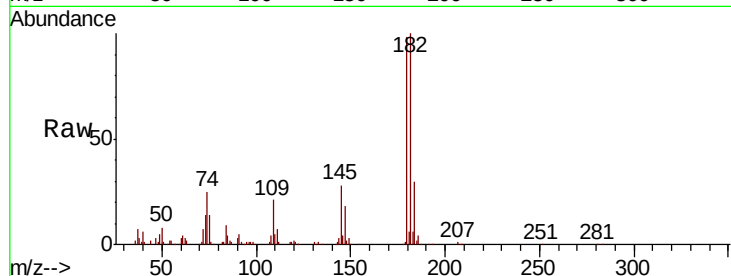




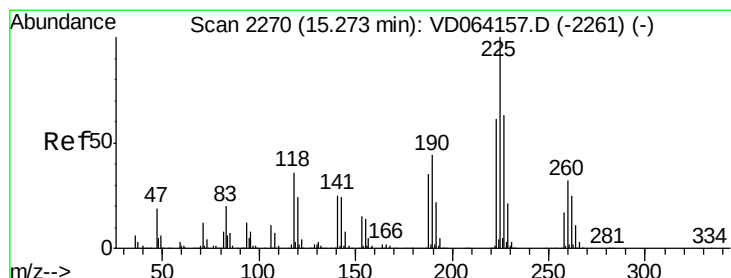
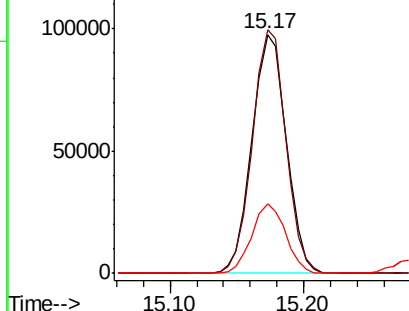
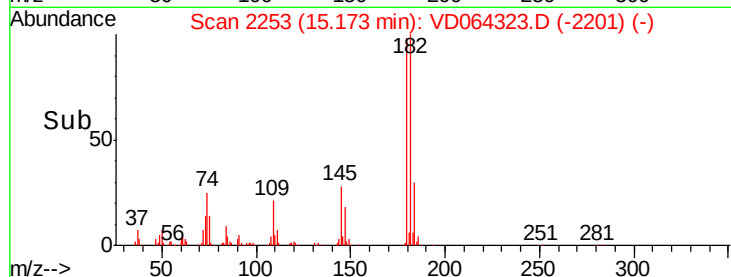
#93  
 1,2,4-Trichlorobenzene  
 Concen: 21.370 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. 0.01 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.2  | 47.5  | 142.5 |
| 145     | 28.8  | 14.2  | 42.6  |

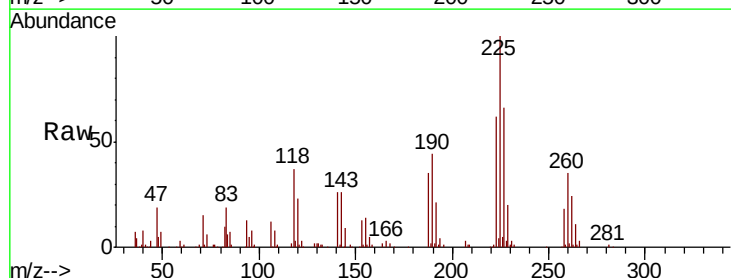


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

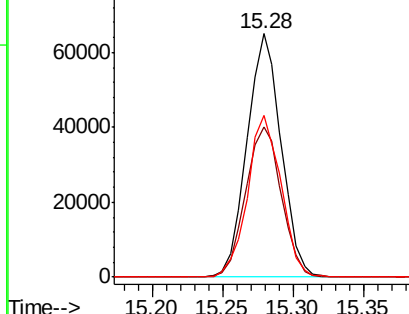
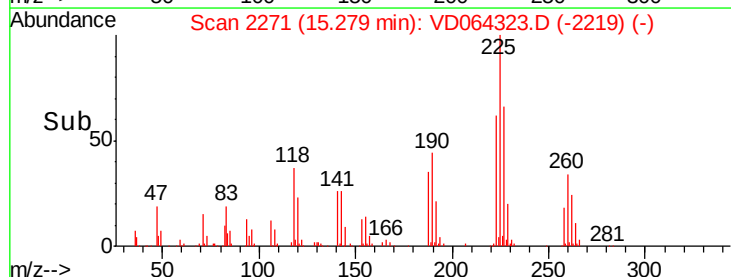


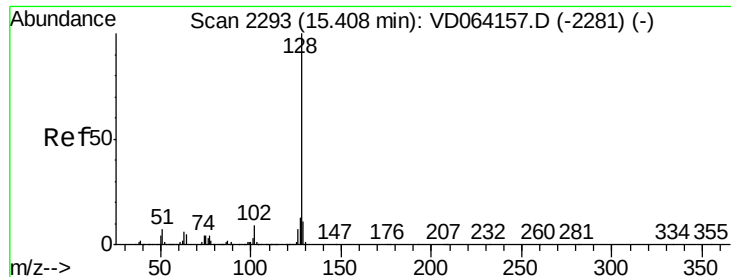
#94  
 Hexachlorobutadiene  
 Concen: 21.052 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.01 min  
 Lab File: VD064323.D  
 Acq: 21 Nov 2019 14:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.4  | 31.1  | 93.3  |
| 227     | 65.2  | 31.5  | 94.5  |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.736 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA\_D

ClientSampleId :

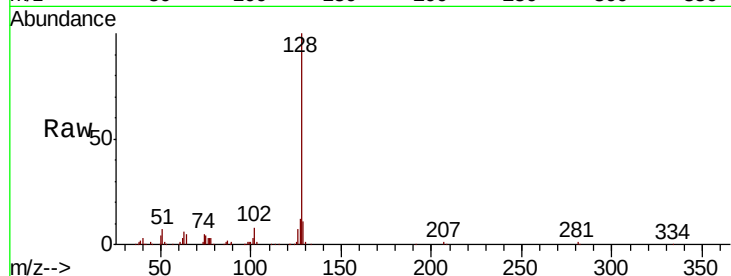
Tot Ion:128 Resp: 288941

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

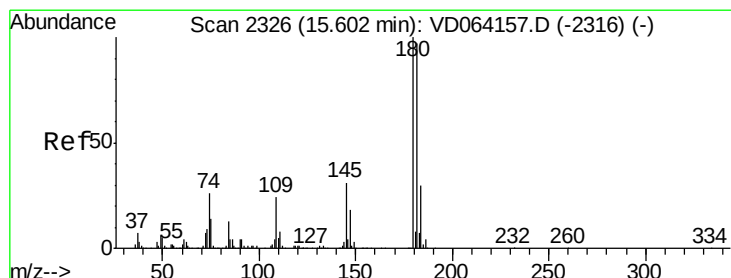
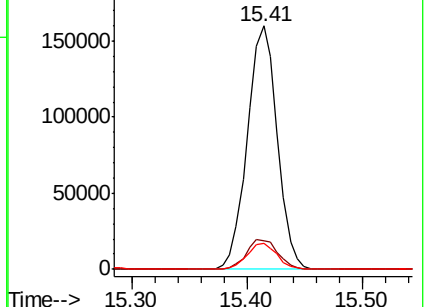
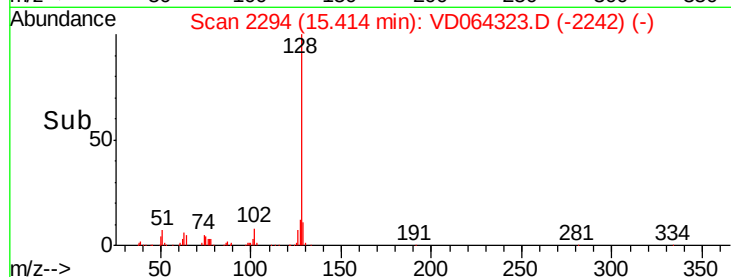
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.344 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

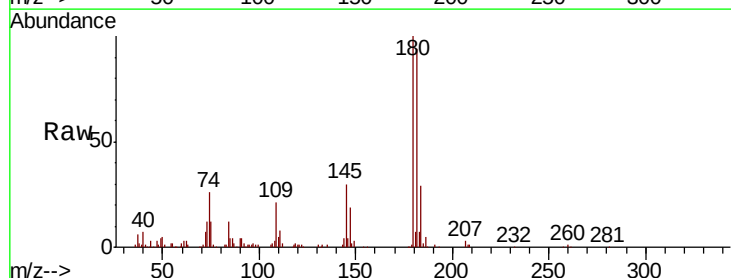
Tgt Ion:180 Resp: 147129

Ion Ratio Lower Upper

180 100

182 98.2 48.3 144.9

145 29.9 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

