

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\  
 Data File : VD064451.D  
 Acq On : 06 Dec 2019 11:38  
 Operator : VA/SY  
 Sample : VD1206SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 06 22:35:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 508288   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 733761   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 642805   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 313083   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 213222   | 46.35 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 92.70% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 225432   | 48.76 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 97.52% |      |
| 50) Toluene-d8            | 10.34  | 98  | 862373   | 49.52 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.04% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 268747   | 48.02 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.04% |      |

## Target Compounds

|                               |      |     |        |        |        | Qvalue |
|-------------------------------|------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 98413  | 21.368 | ug/l   | 99     |
| 3) Chloromethane              | 2.21 | 50  | 124324 | 21.402 | ug/l   | 99     |
| 4) Vinyl Chloride             | 2.35 | 62  | 144318 | 21.517 | ug/l   | 99     |
| 5) Bromomethane               | 2.76 | 94  | 95082  | 19.170 | ug/l   | 93     |
| 6) Chloroethane               | 2.93 | 64  | 94093  | 20.989 | ug/l   | 99     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 243585 | 21.846 | ug/l   | 97     |
| 8) Diethyl Ether              | 3.70 | 74  | 47331  | 20.428 | ug/l   | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 102568 | 21.454 | ug/l   | 98     |
| 10) Methyl Iodide             | 4.30 | 142 | 105183 | 20.834 | ug/l   | 94     |
| 11) Tert butyl alcohol        | 5.24 | 59  | 27518  | 93.963 | ug/l # | 100    |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 101818 | 22.224 | ug/l   | 96     |
| 13) Acrolein                  | 3.92 | 56  | 34869  | 87.291 | ug/l   | 98     |
| 14) Allyl chloride            | 4.71 | 41  | 156076 | 21.829 | ug/l   | 98     |
| 15) Acrylonitrile             | 5.43 | 53  | 97366  | 96.099 | ug/l   | 99     |
| 16) Acetone                   | 4.16 | 43  | 92551  | 99.547 | ug/l   | 97     |
| 17) Carbon Disulfide          | 4.40 | 76  | 312286 | 21.522 | ug/l   | 97     |
| 18) Methyl Acetate            | 4.72 | 43  | 52898  | 19.506 | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 215027 | 20.461 | ug/l   | 100    |
| 20) Methylene Chloride        | 4.96 | 84  | 112445 | 21.246 | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 110123 | 21.250 | ug/l   | 96     |
| 22) Diisopropyl ether         | 6.37 | 45  | 291373 | 20.643 | ug/l   | 96     |
| 23) Vinyl Acetate             | 6.31 | 43  | 827668 | 99.465 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 179538 | 21.151 | ug/l   | 97     |
| 25) 2-Butanone                | 7.22 | 43  | 122162 | 92.912 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.20 | 77  | 165627 | 22.436 | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 116968 | 20.703 | ug/l   | 98     |
| 28) Bromochloromethane        | 7.55 | 49  | 40945  | 14.114 | ug/l   | 96     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 75316  | 90.035 | ug/l   | 97     |
| 30) Chloroform                | 7.71 | 83  | 185420 | 21.092 | ug/l   | 99     |
| 31) Cyclohexane               | 7.98 | 56  | 178914 | 21.529 | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 173909 | 21.338 | ug/l   | 100    |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 153531 | 22.121 | ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 59173  | 20.093 | ug/l   | 100    |
| 38) Carbon Tetrachloride      | 8.09 | 117 | 160155 | 21.864 | ug/l   | 92     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\  
 Data File : VD064451.D  
 Acq On : 06 Dec 2019 11:38  
 Operator : VA/SY  
 Sample : VD1206SBS01  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 06 22:35:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.35  | 83   | 188236   | 21.864  | ug/l   | 98       |
| 40) Benzene                    | 8.35  | 78   | 406853   | 21.106  | ug/l   | 98       |
| 41) Methacrylonitrile          | 7.53  | 41   | 29168    | 17.271  | ug/l # | 83       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 114860   | 20.432  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.45  | 43   | 112752   | 19.473  | ug/l   | 100      |
| 44) Trichloroethene            | 9.11  | 130  | 123986   | 21.353  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 96071    | 20.839  | ug/l   | 98       |
| 46) Dibromomethane             | 9.48  | 93   | 52621    | 20.224  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.66  | 83   | 140539   | 21.021  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.46  | 41   | 57838    | 21.829  | ug/l   | 87       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 12675    | 394.492 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 278633   | 97.254  | ug/l   | 100      |
| 52) Toluene                    | 10.40 | 92   | 268554   | 21.377  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 129457   | 20.318  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 155738   | 20.575  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 71804    | 20.154  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 90339    | 19.880  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 122689   | 20.230  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 182321   | 100.649 | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.98 | 43   | 187557   | 94.345  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.14 | 129  | 96995    | 20.079  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 69329    | 19.489  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.88 | 164  | 104962   | 21.413  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.67 | 112  | 283050   | 21.112  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 105140   | 21.185  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 507313   | 21.268  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 391625   | 43.058  | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 177184   | 21.093  | ug/l   | 100      |
| 70) Styrene                    | 12.20 | 104  | 303074   | 20.763  | ug/l   | 100      |
| 71) Bromoform                  | 12.36 | 173  | 57463    | 19.352  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 479284   | 21.285  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 98327    | 19.240  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 73346    | 19.697  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 95364    | 37.039  | ug/l # | 100      |
| 77) Bromobenzene               | 12.76 | 156  | 119801   | 21.545  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 565664   | 21.773  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 306465   | 21.438  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 399376   | 21.704  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 24441    | 20.699  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 322625   | 21.315  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 347716   | 21.736  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 385544   | 20.837  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 472903   | 21.539  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 438273   | 21.143  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 217185   | 20.579  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 215643   | 20.696  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 406001   | 21.568  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 82587    | 21.302  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 186921   | 20.724  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 11893    | 18.626  | ug/l   | 93       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120619\  
Data File : VD064451.D  
Acq On : 06 Dec 2019 11:38  
Operator : VA/SY  
Sample : VD1206SBS01  
Misc : 5.00G/5.00ml/MSVOA D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

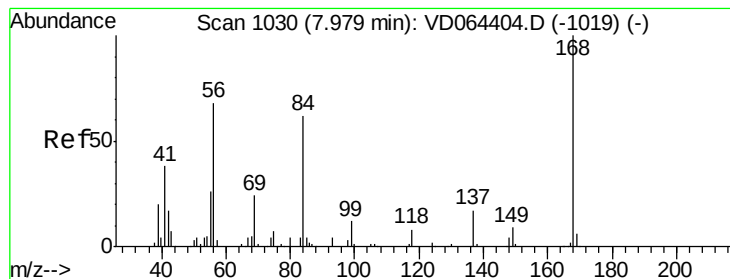
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Dec 06 22:35:08 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D112719S.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 29 07:18:03 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 140004   | 20.268 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 90272    | 21.169 | ug/l  | 98       |
| 95) Naphthalene            | 15.41 | 128  | 226913   | 19.684 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 122422   | 20.762 | ug/l  | 100      |

(#) = 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. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

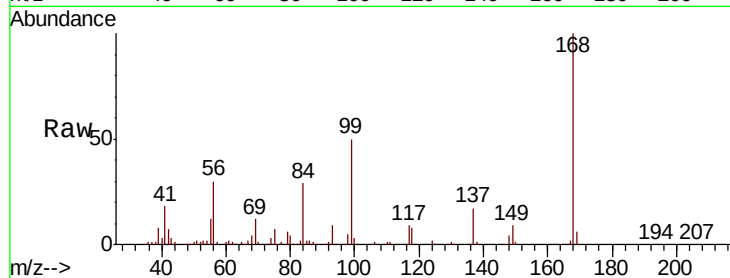
ClientSampleId :

Tot Ion:168 Resp: 508288

Ion Ratio Lower Upper

168 100

99 49.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

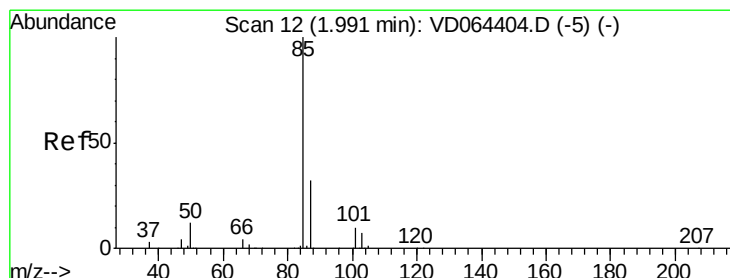
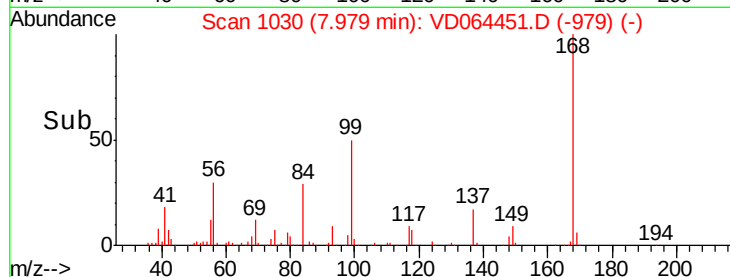
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.368 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064451.D

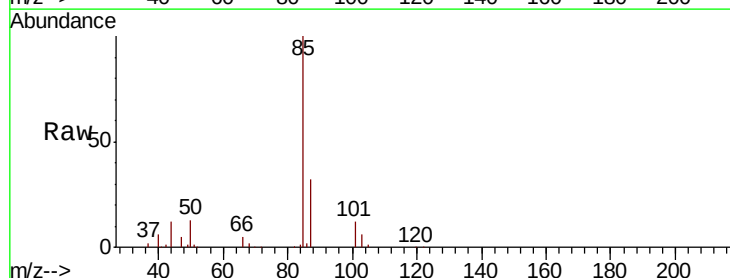
Acq: 06 Dec 2019 11:38

Tgt Ion: 85 Resp: 98413

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

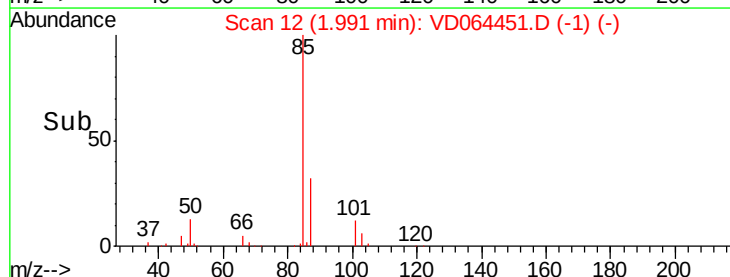
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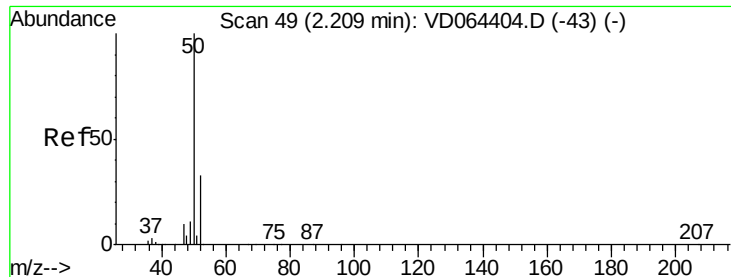
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.402 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

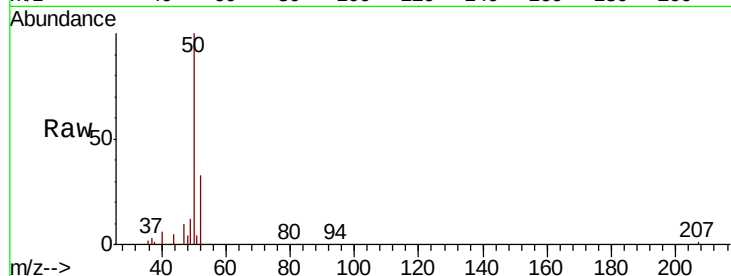
ClientSampleId :

Tot Ion: 50 Resp: 124324

Ion Ratio Lower Upper

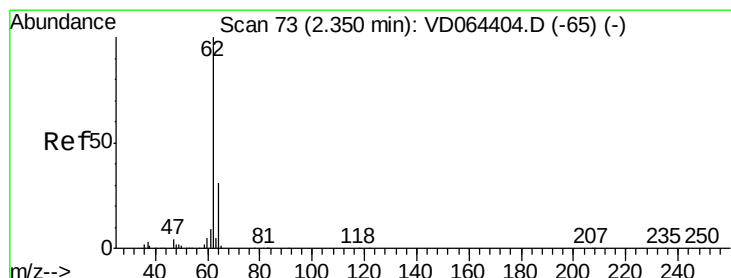
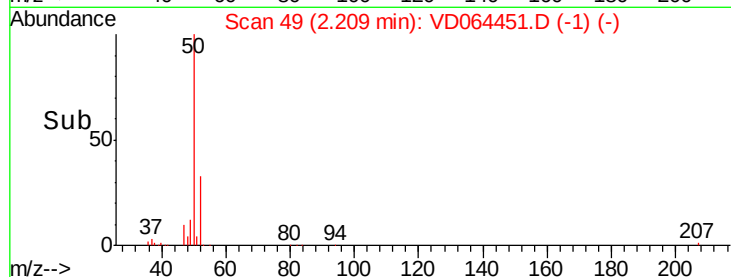
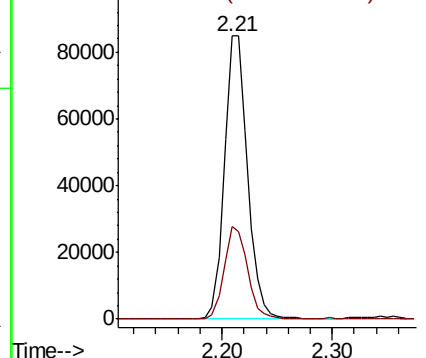
50 100

52 32.9 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.517 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064451.D

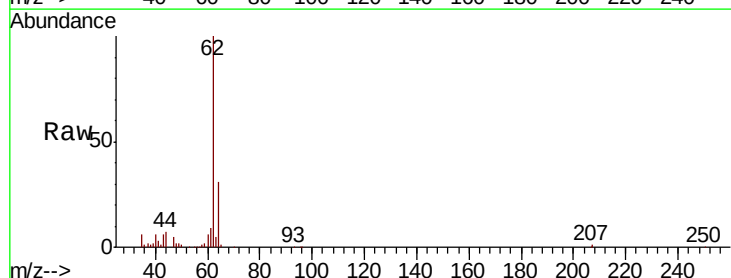
Acq: 06 Dec 2019 11:38

Tgt Ion: 62 Resp: 144318

Ion Ratio Lower Upper

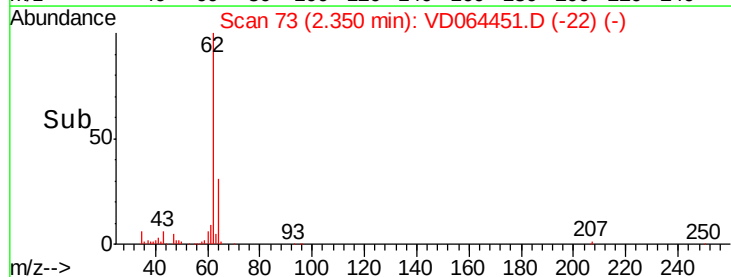
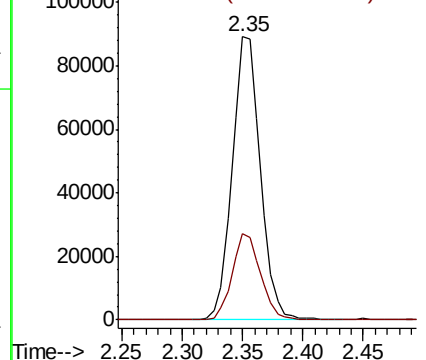
62 100

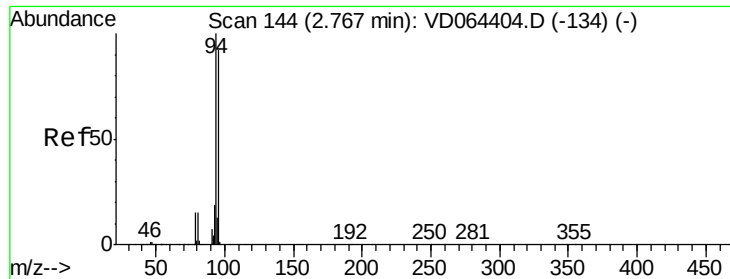
64 30.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.170 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

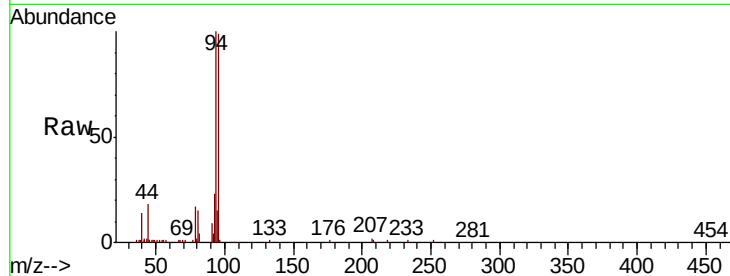
ClientSampleId :

Tot Ion: 94 Resp: 95082

Ion Ratio Lower Upper

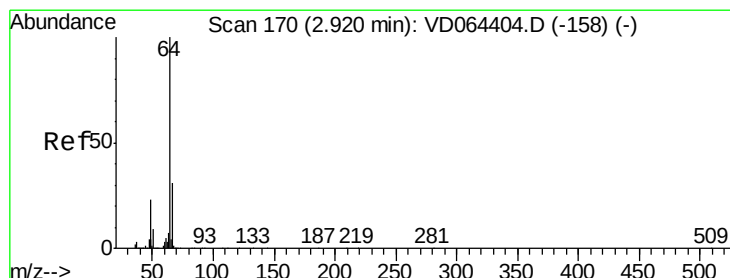
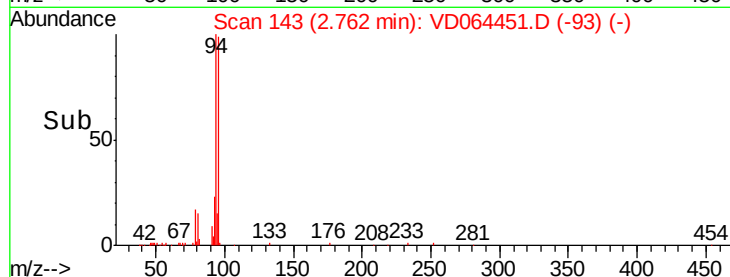
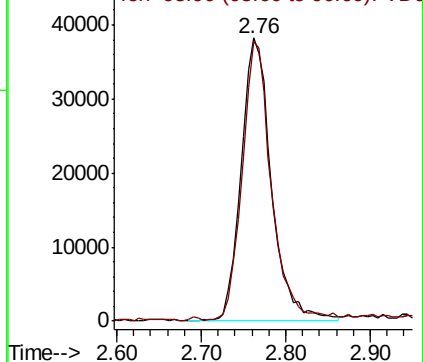
94 100

96 98.3 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.989 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064451.D

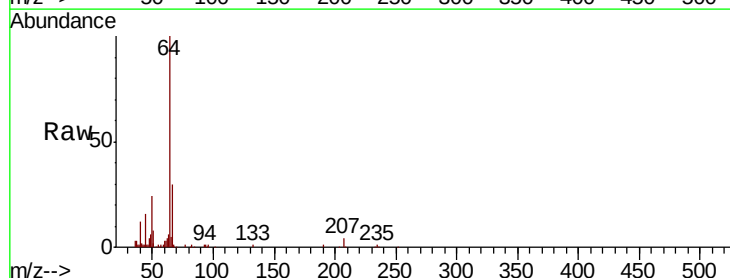
Acq: 06 Dec 2019 11:38

Tgt Ion: 64 Resp: 94093

Ion Ratio Lower Upper

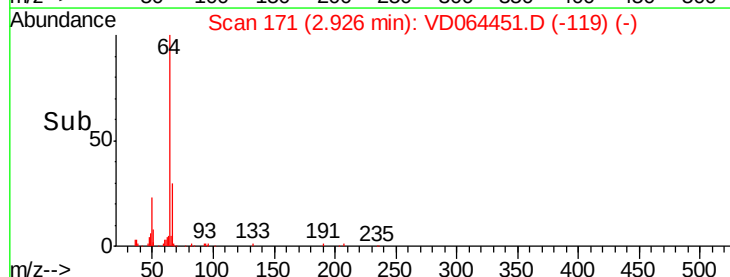
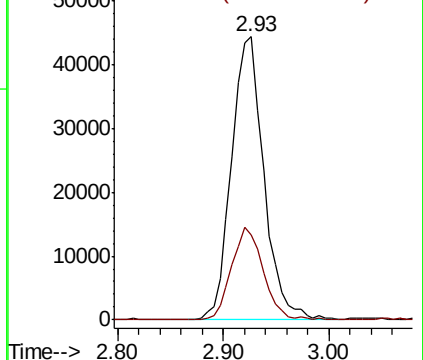
64 100

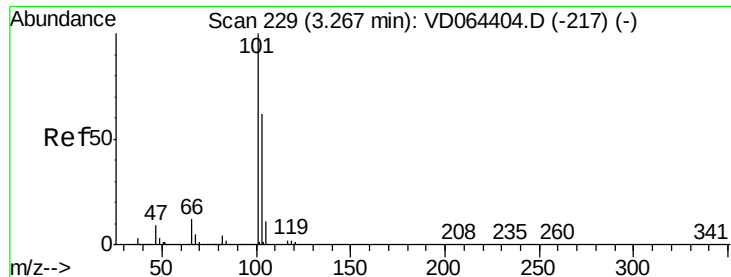
66 30.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



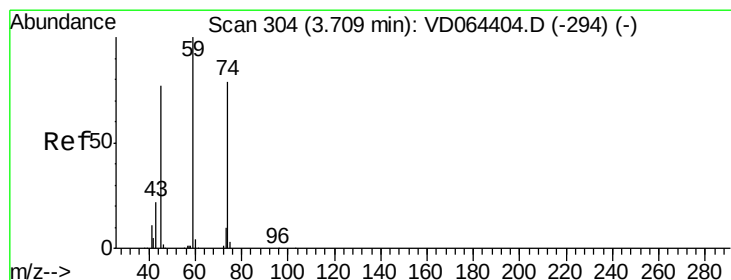
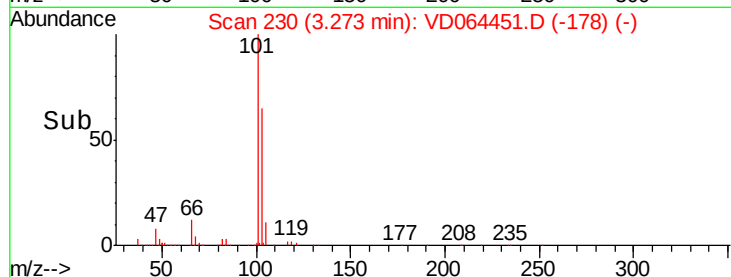
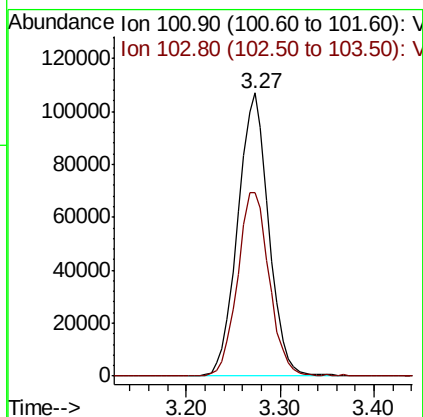
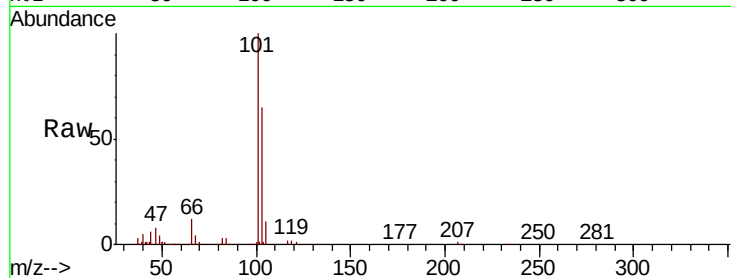


#7

Trichlorofluoromethane  
Concen: 21.846 ug/l  
RT: 3.27 min Scan# 230  
Delta R.T. 0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Instrument :  
MSVOA\_D  
ClientSampleId :

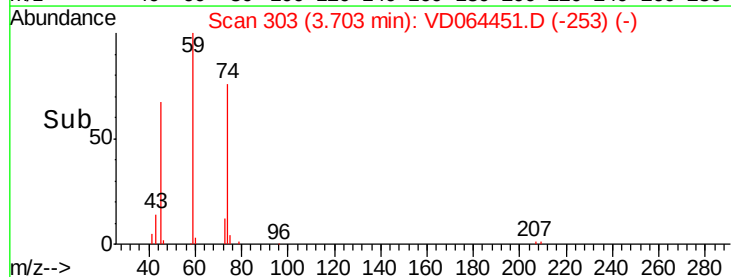
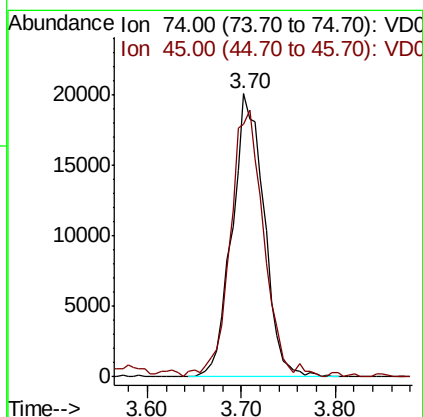
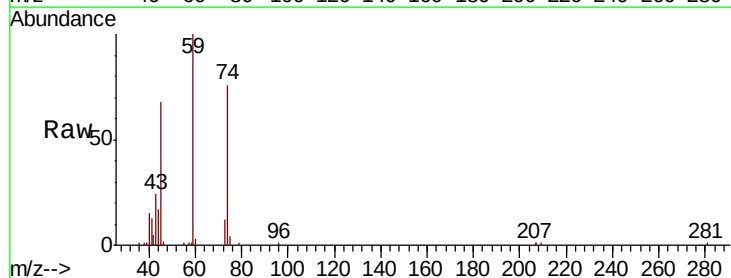
Tot Ion:101 Resp: 243585  
Ion Ratio Lower Upper  
101 100  
103 64.8 49.8 74.6



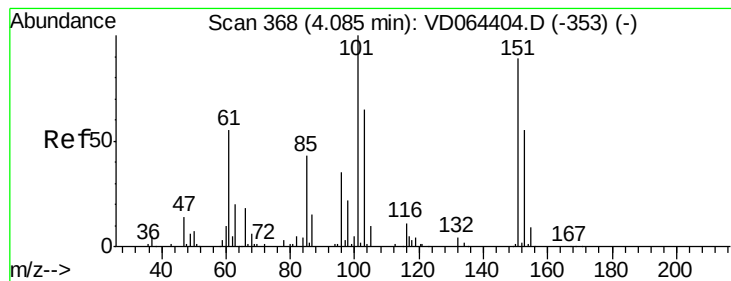
#8

Diethyl Ether  
Concen: 20.428 ug/l  
RT: 3.70 min Scan# 303  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 74 Resp: 47331  
Ion Ratio Lower Upper  
74 100  
45 97.4 48.6 145.9







#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.454 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampleId :

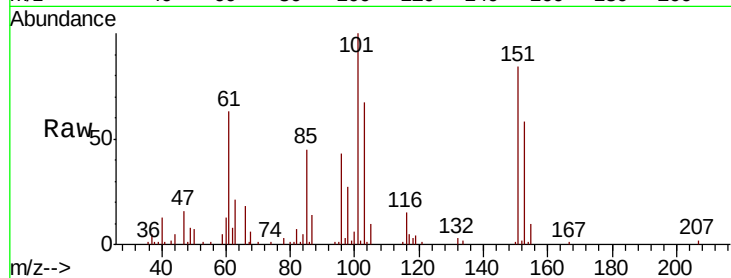
Tot Ion:101 Resp: 102568

Ion Ratio Lower Upper

101 100

85 45.2 34.8 52.2

151 84.3 68.8 103.2

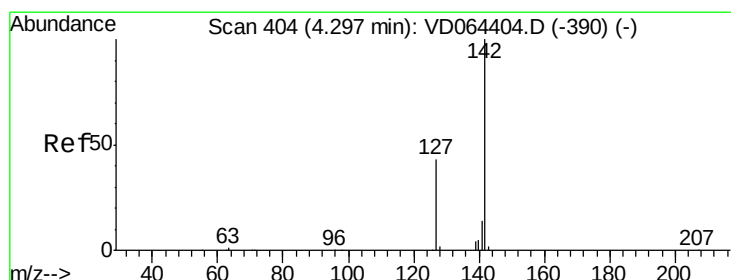
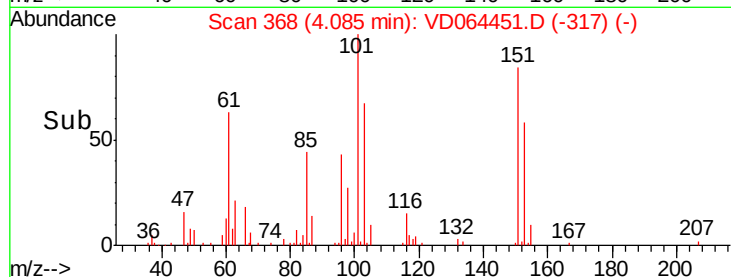
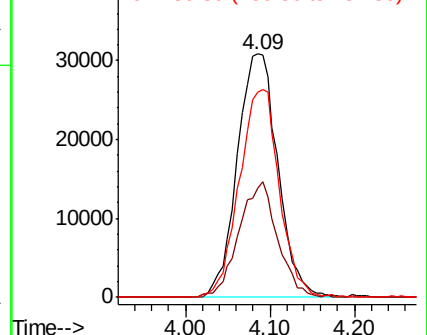


Abundance

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: 20.834 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

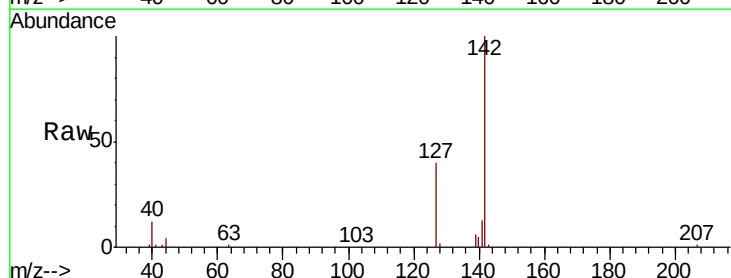
Tgt Ion:142 Resp: 105183

Ion Ratio Lower Upper

142 100

127 40.0 35.3 52.9

141 13.0 11.6 17.4

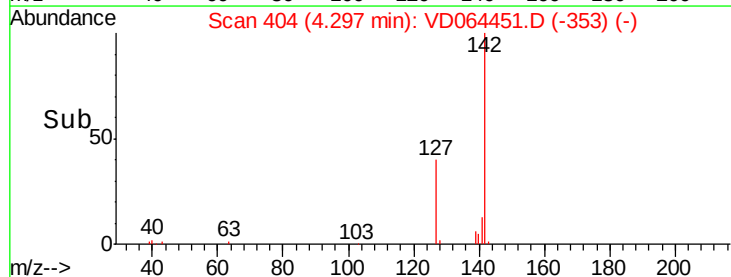
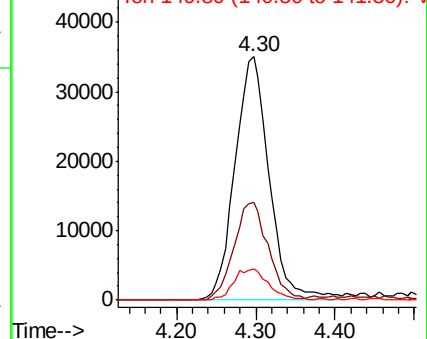


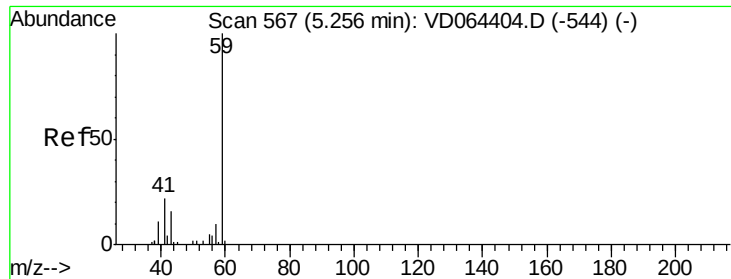
Abundance

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



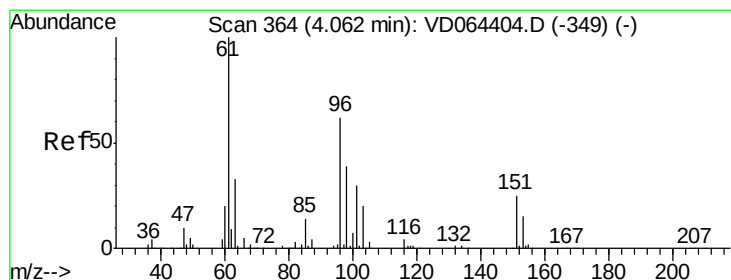
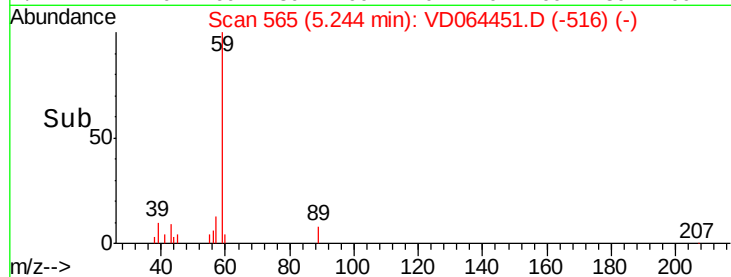
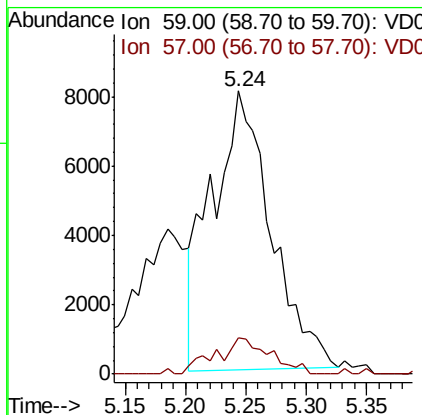
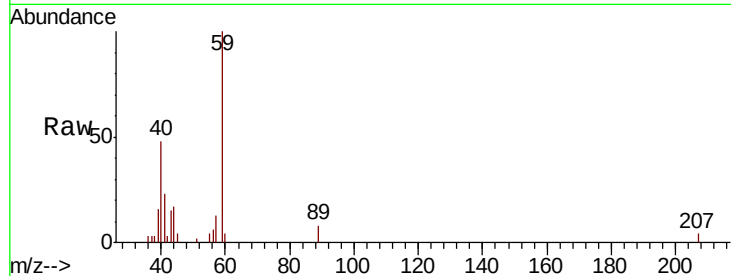


#11

Tert butyl alcohol  
 Concen: 93.963 ug/l  
 RT: 5.24 min Scan# 565  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Instrument :  
 MSVOA\_D  
 ClientSampled :

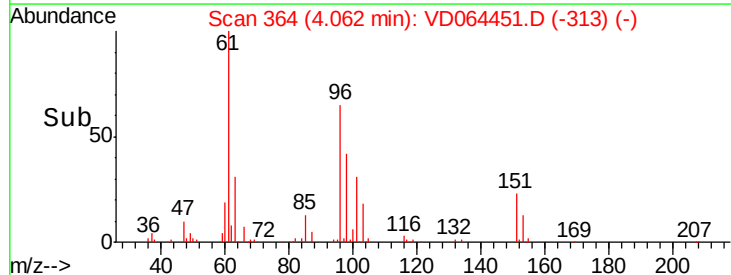
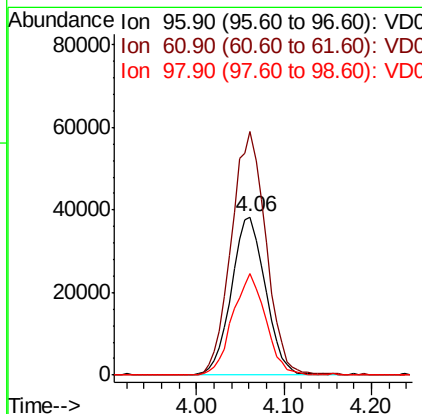
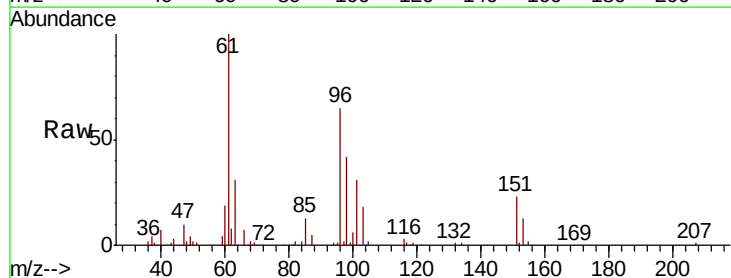
Tot Ion: 59 Resp: 27518  
 Ion Ratio Lower Upper  
 59 100  
 57 12.0 0.0 0.0#

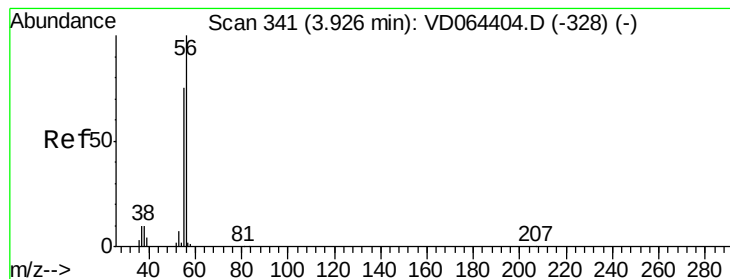


#12

1,1-Dichloroethene  
 Concen: 22.224 ug/l  
 RT: 4.06 min Scan# 364  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Tgt Ion: 96 Resp: 101818  
 Ion Ratio Lower Upper  
 96 100  
 61 154.3 128.2 192.4  
 98 64.7 50.4 75.6





#13

Acrolein

Concen: 87.291 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

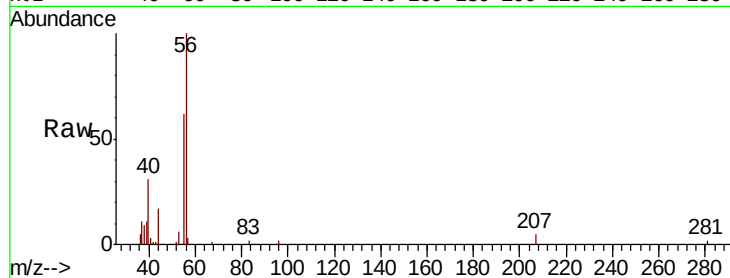
ClientSampleId :

Tot Ion: 56 Resp: 34869

Ion Ratio Lower Upper

56 100

55 69.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

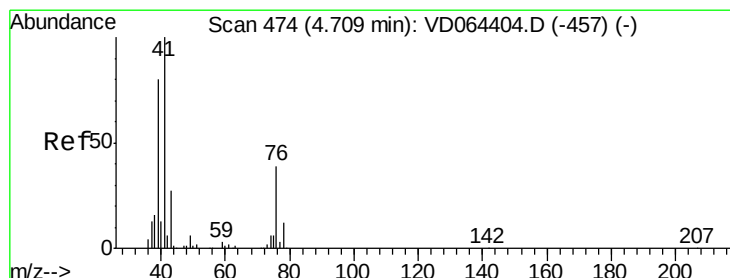
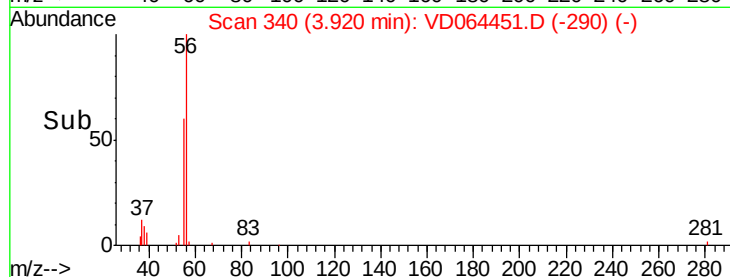
10000

5000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 21.829 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

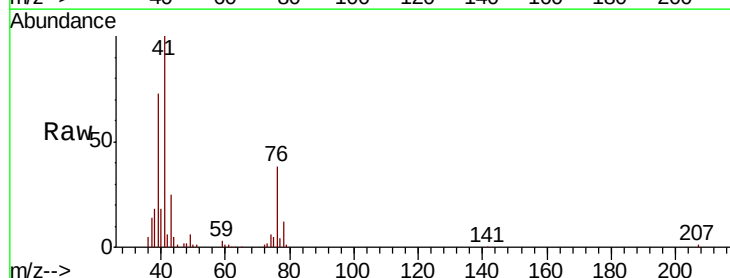
Tgt Ion: 41 Resp: 156076

Ion Ratio Lower Upper

41 100

39 75.4 62.1 93.1

76 37.0 29.8 44.8



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

60000

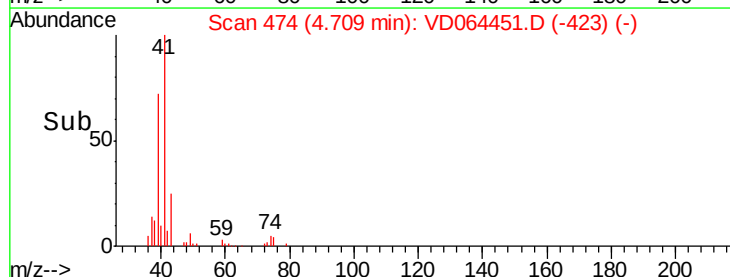
40000

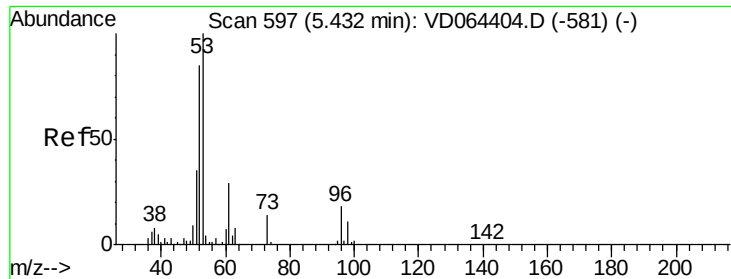
20000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 96.099 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampleId :

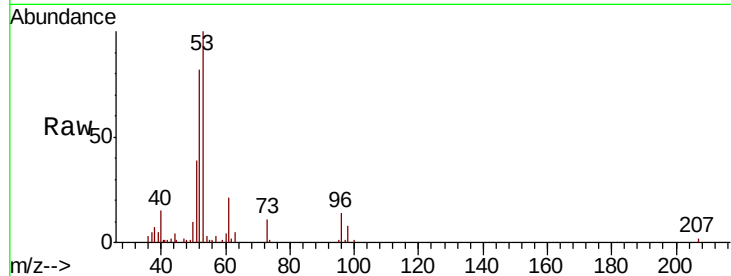
Tot Ion: 53 Resp: 97366

Ion Ratio Lower Upper

53 100

52 83.1 67.9 101.9

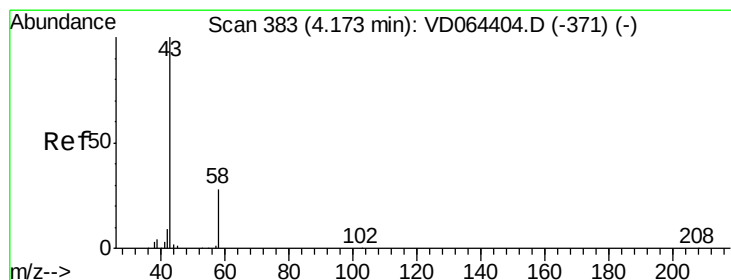
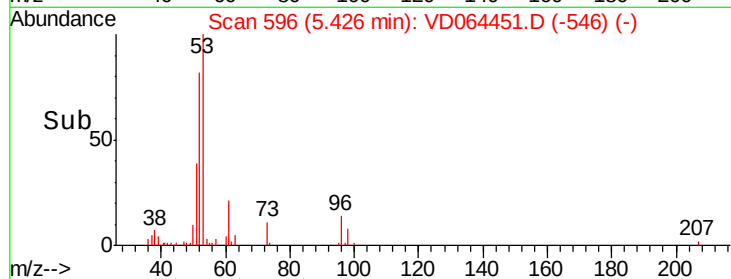
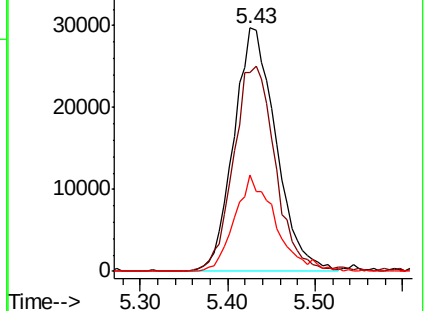
51 38.3 30.6 45.8



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: 99.547 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064451.D

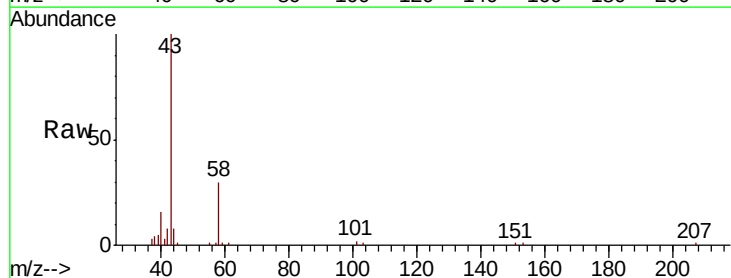
Acq: 06 Dec 2019 11:38

Tgt Ion: 43 Resp: 92551

Ion Ratio Lower Upper

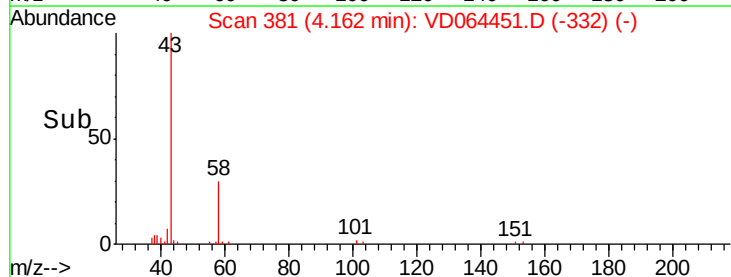
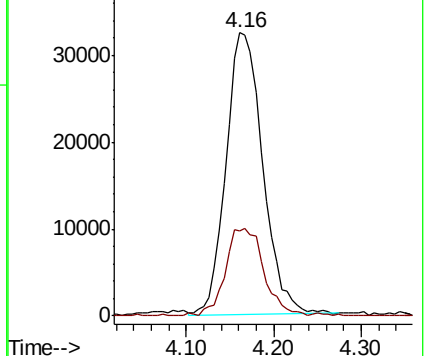
43 100

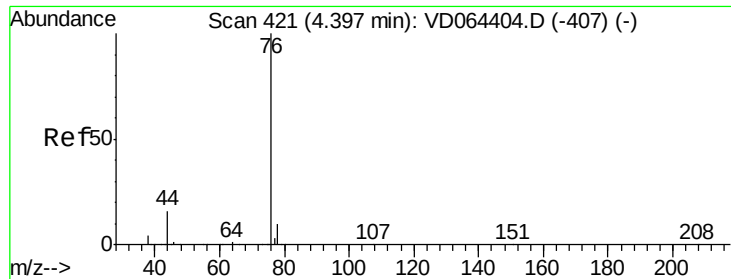
58 29.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 21.522 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

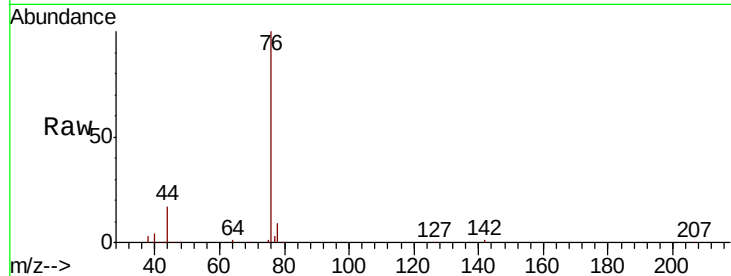
ClientSampleId :

Tot Ion: 76 Resp: 312286

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

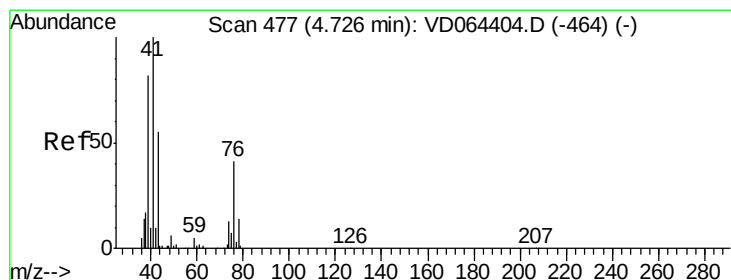
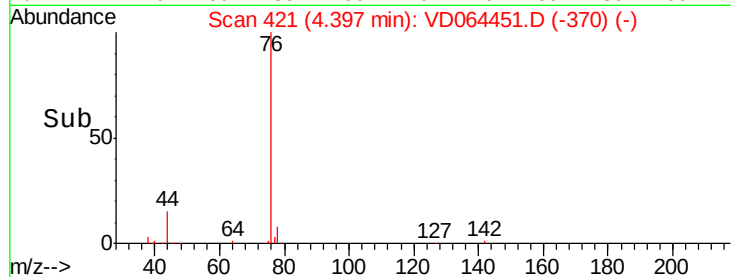
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.506 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064451.D

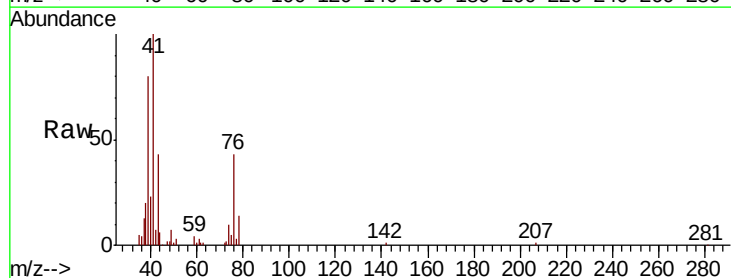
Acq: 06 Dec 2019 11:38

Tgt Ion: 43 Resp: 52898

Ion Ratio Lower Upper

43 100

74 24.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

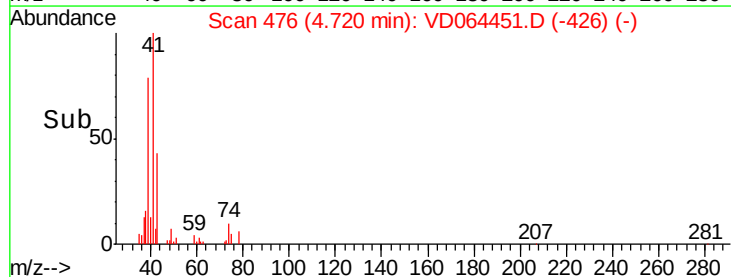
15000

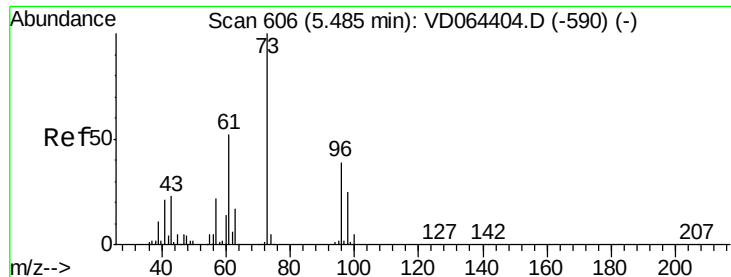
10000

5000

0

Time-->



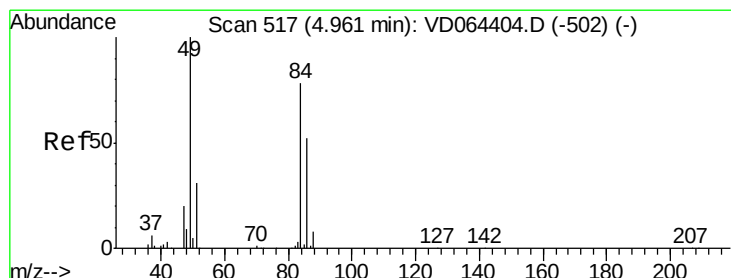
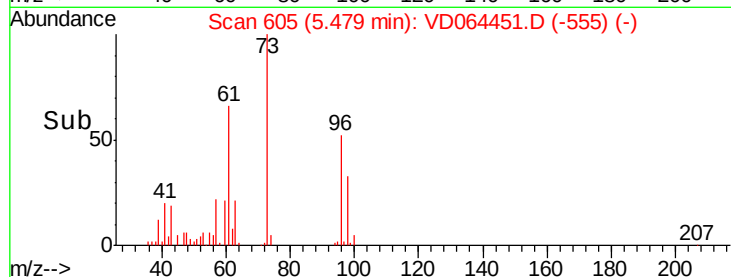
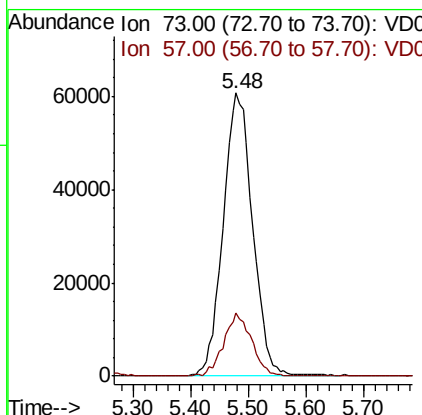
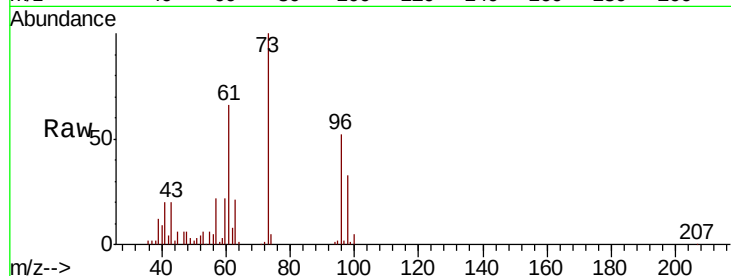


#19

Methyl tert-butyl Ether  
 Concen: 20.461 ug/l  
 RT: 5.48 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Instrument :  
 MSVOA\_D  
 ClientSampleID :

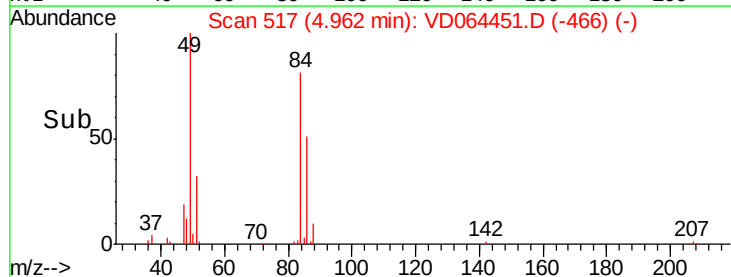
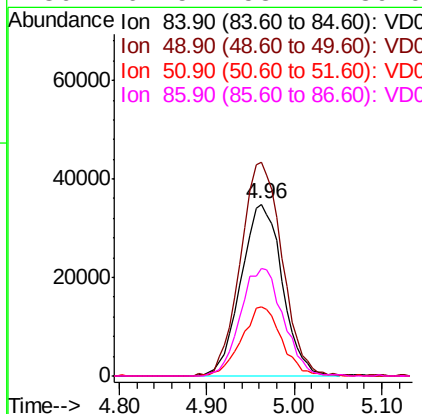
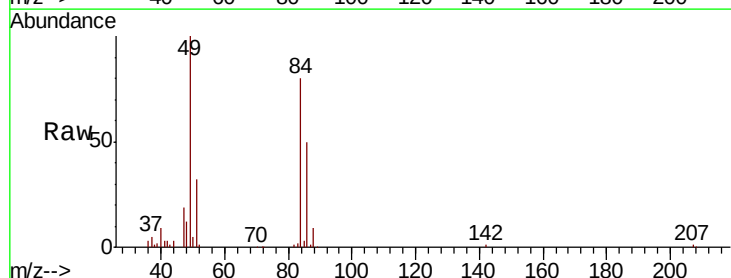
Tot Ion: 73 Resp: 215027  
 Ion Ratio Lower Upper  
 73 100  
 57 22.1 17.6 26.4

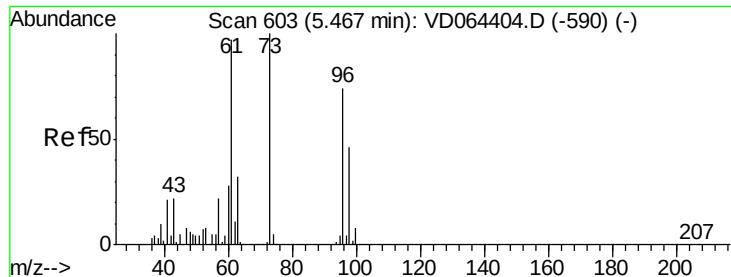


#20

Methylene Chloride  
 Concen: 21.246 ug/l  
 RT: 4.96 min Scan# 517  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Tgt Ion: 84 Resp: 112445  
 Ion Ratio Lower Upper  
 84 100  
 49 124.4 102.6 153.8  
 51 40.1 32.0 48.0  
 86 62.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.250 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampled :

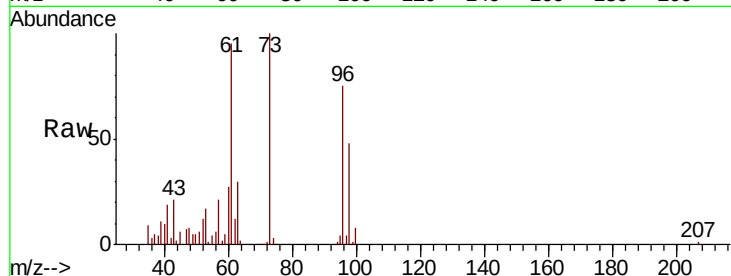
Tot Ion: 96 Resp: 110123

Ion Ratio Lower Upper

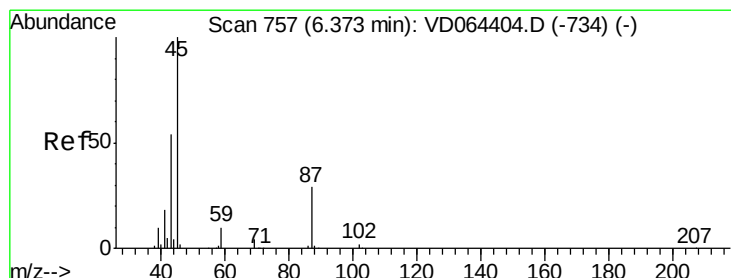
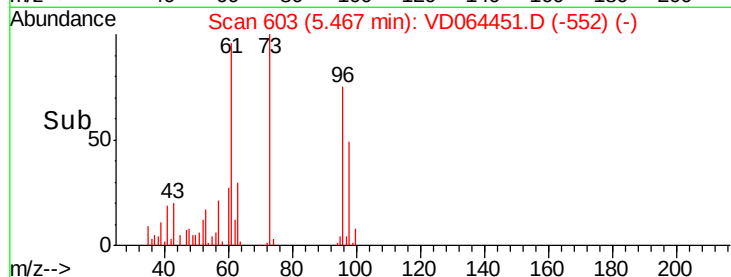
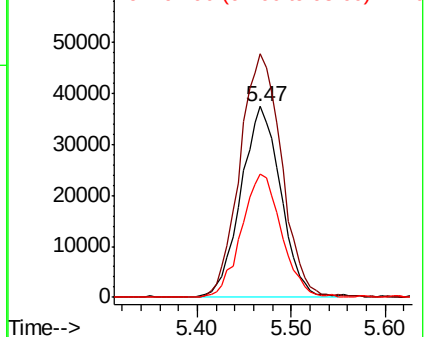
96 100

61 127.6 105.8 158.6

98 64.7 50.1 75.1



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: 20.643 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Tgt Ion: 45 Resp: 291373

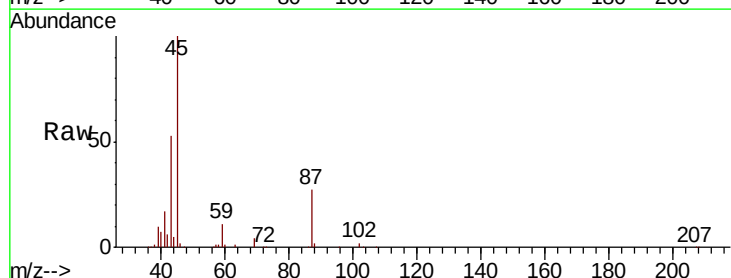
Ion Ratio Lower Upper

45 100

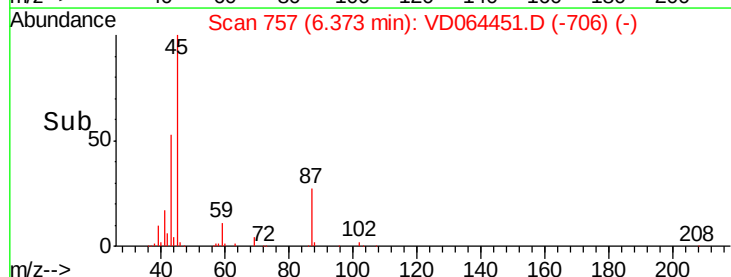
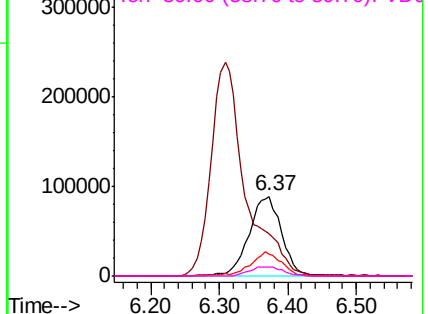
43 51.6 43.1 64.7

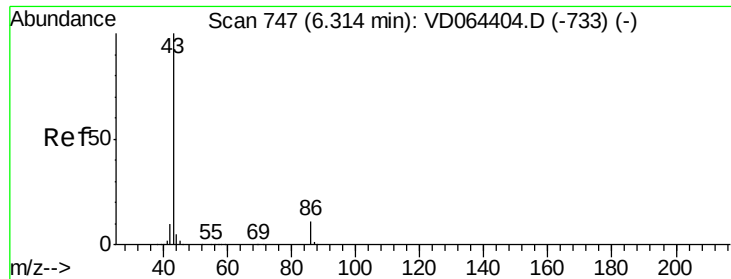
87 26.7 23.5 35.3

59 10.6 8.2 12.2



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: 99.465 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

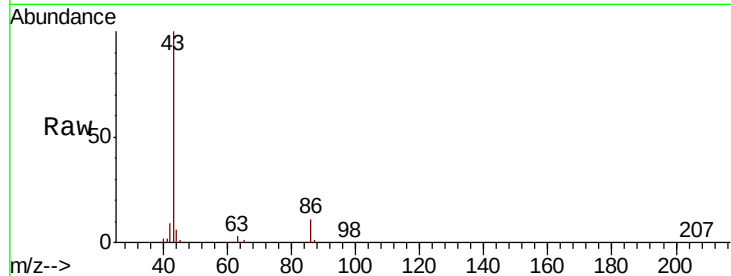
ClientSampled :

Tot Ion: 43 Resp: 827668

Ion Ratio Lower Upper

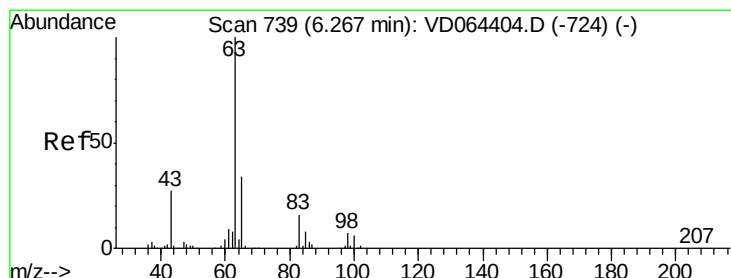
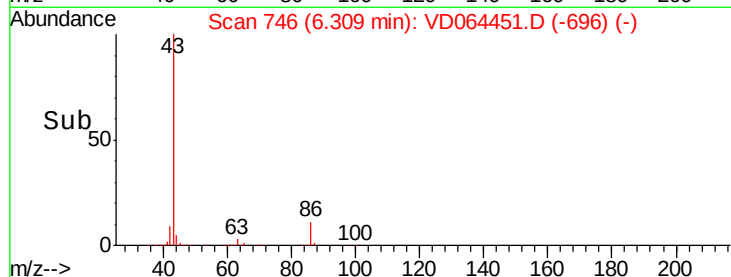
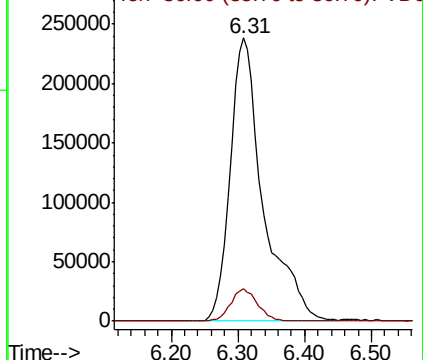
43 100

86 11.3 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.151 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

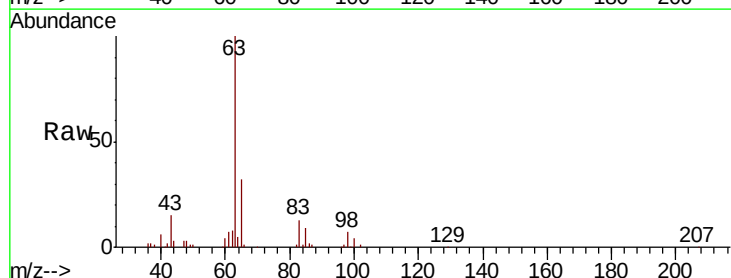
Tgt Ion: 63 Resp: 179538

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

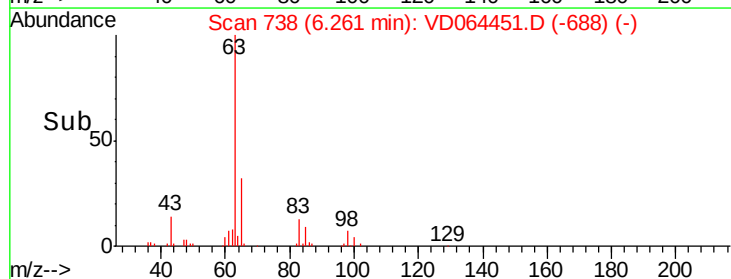
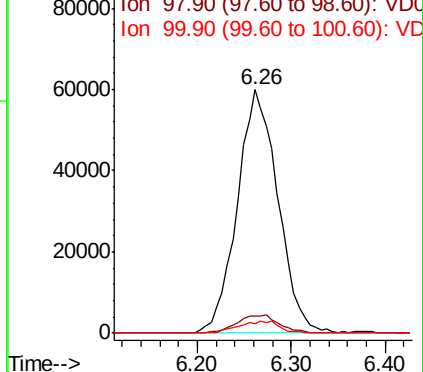
100 3.8 2.9 8.6



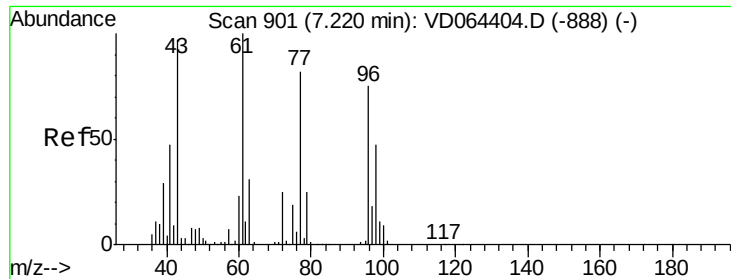
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC







#25

2-Butanone

Concen: 92.912 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

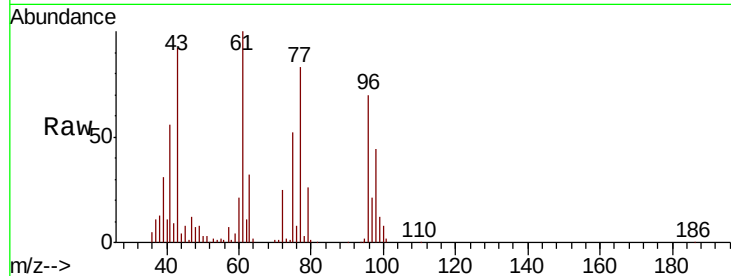
ClientSampleId :

Tot Ion: 43 Resp: 122162

Ion Ratio Lower Upper

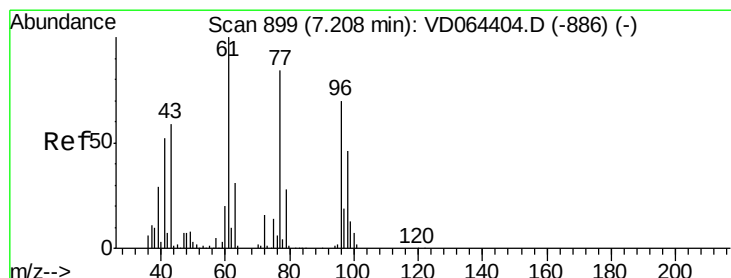
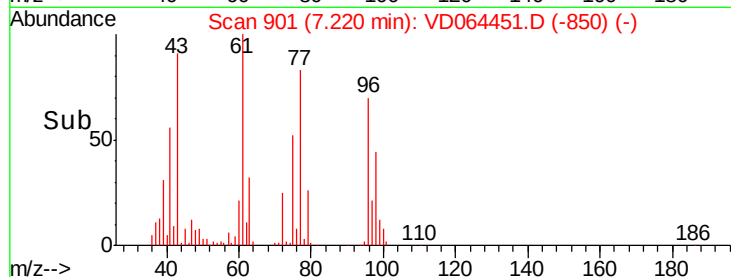
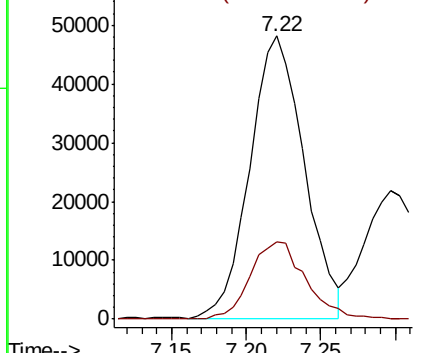
43 100

72 27.3 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.436 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064451.D

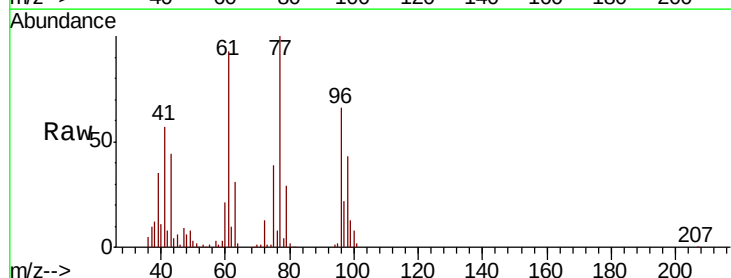
Acq: 06 Dec 2019 11:38

Tgt Ion: 77 Resp: 165627

Ion Ratio Lower Upper

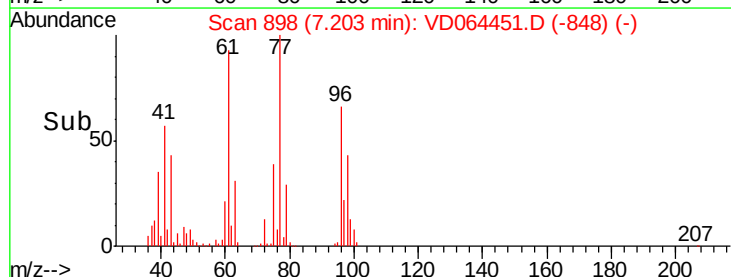
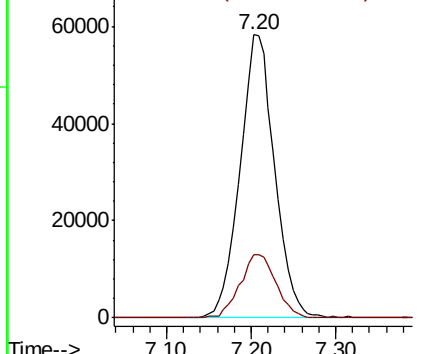
77 100

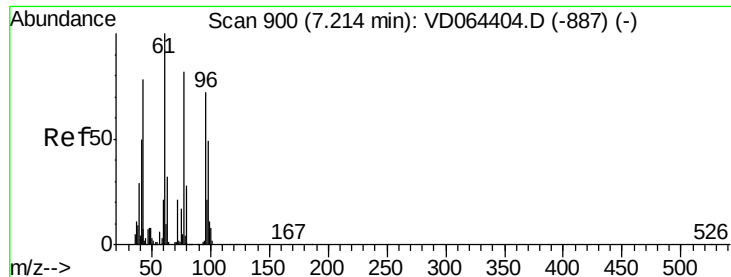
97 23.1 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



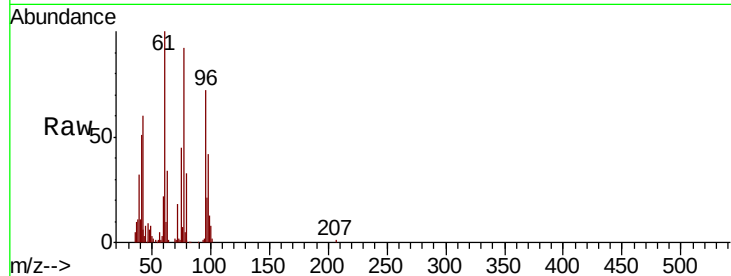


#27

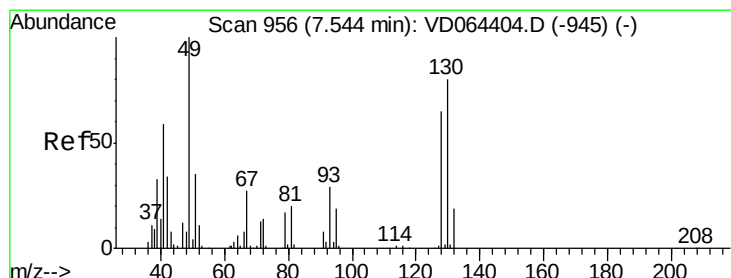
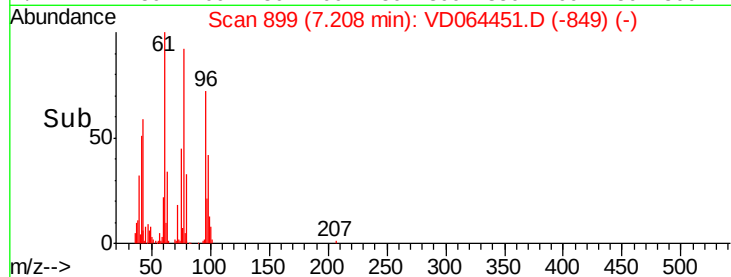
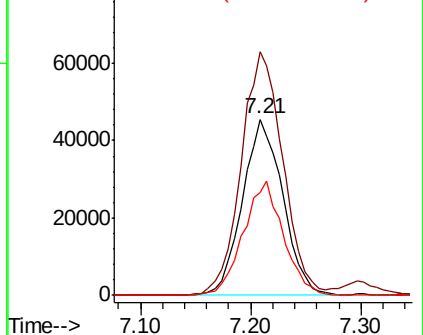
cis-1,2-Dichloroethene  
 Concen: 20.703 ug/l  
 RT: 7.21 min Scan# 899  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion: 96 Resp: 116968  
 Ion Ratio Lower Upper  
 96 100  
 61 142.6 0.0 279.6  
 98 64.4 0.0 129.2



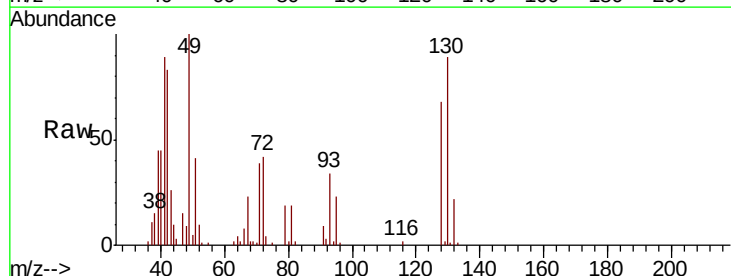
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.90 (60.60 to 61.60): VDC  
 Ion 97.90 (97.60 to 98.60): VDC



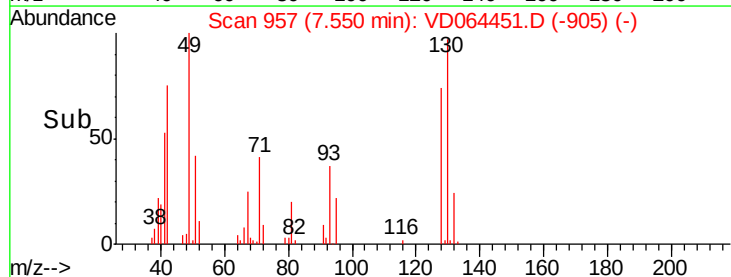
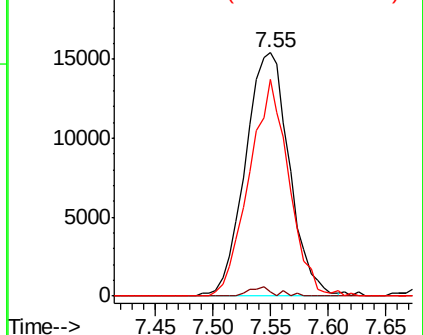
#28

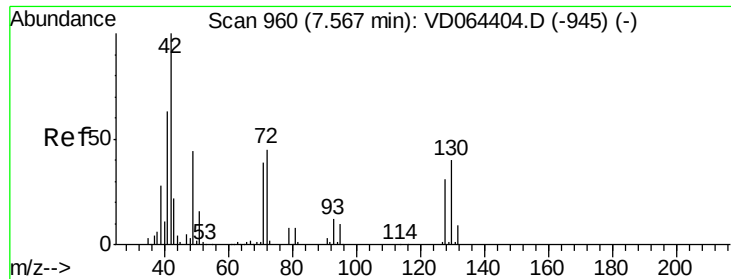
Bromochloromethane  
 Concen: 14.114 ug/l  
 RT: 7.55 min Scan# 957  
 Delta R.T. 0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Tgt Ion: 49 Resp: 40945  
 Ion Ratio Lower Upper  
 49 100  
 129 1.7 0.0 4.4  
 130 80.4 67.4 101.0



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

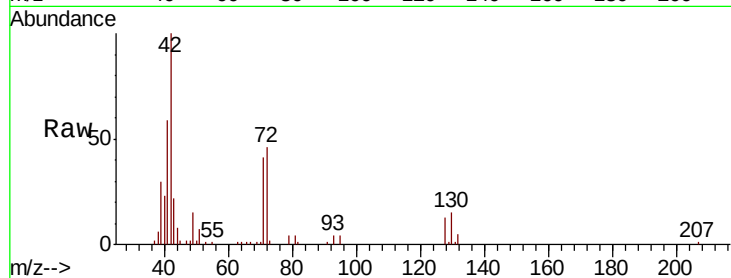




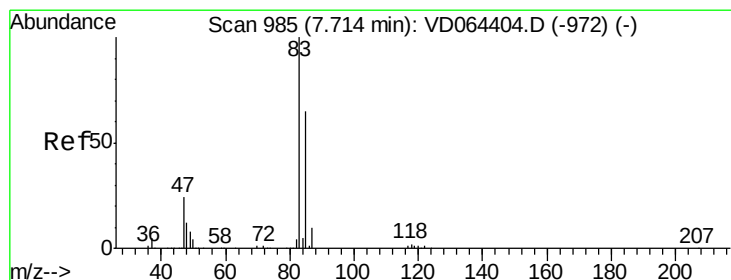
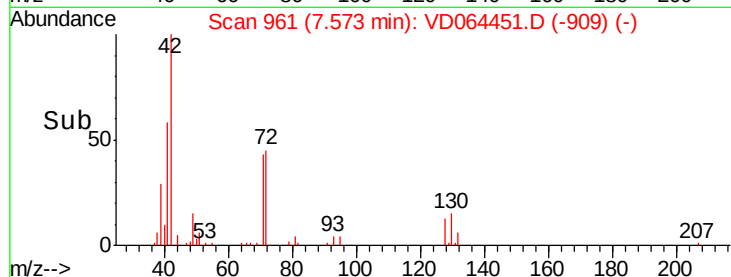
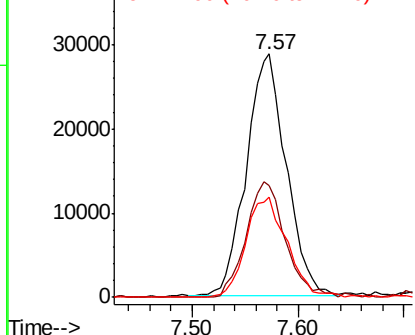
#29  
Tetrahydrofuran  
Concen: 90.035 ug/l  
RT: 7.57 min Scan# 961  
Delta R.T. 0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 42 Resp: 75316  
Ion Ratio Lower Upper  
42 100  
72 46.6 35.8 53.8  
71 42.5 32.7 49.1

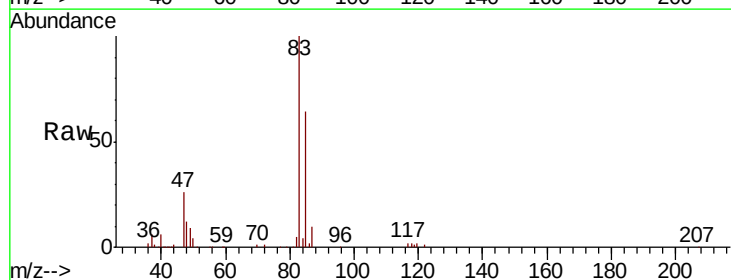


Abundance Ion 42.00 (41.70 to 42.70): VDC  
Ion 72.00 (71.70 to 72.70): VDC  
Ion 71.00 (70.70 to 71.70): VDC

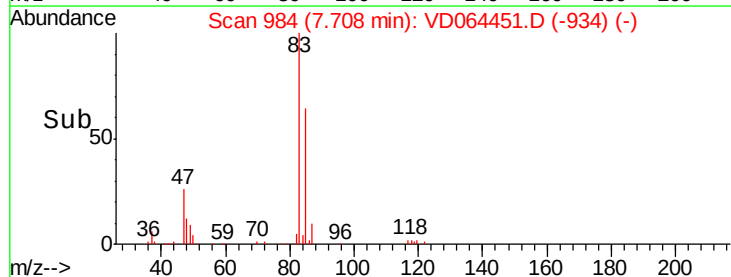
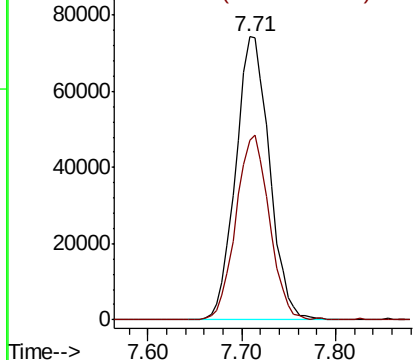


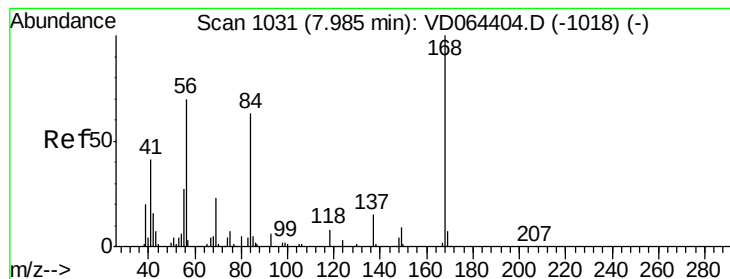
#30  
Chloroform  
Concen: 21.092 ug/l  
RT: 7.71 min Scan# 984  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 83 Resp: 185420  
Ion Ratio Lower Upper  
83 100  
85 63.6 51.8 77.6



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





#31

Cyclohexane

Concen: 21.529 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampled :

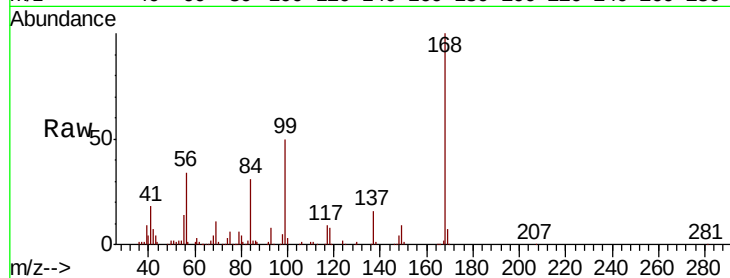
Tot Ion: 56 Resp: 178914

Ion Ratio Lower Upper

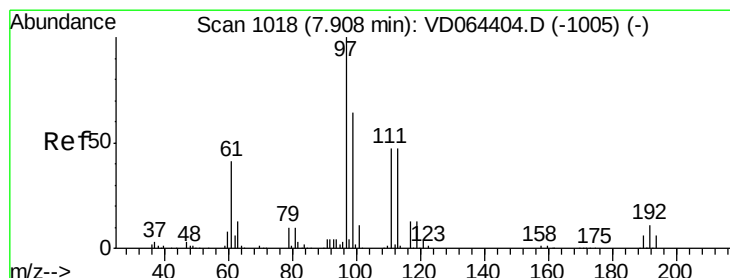
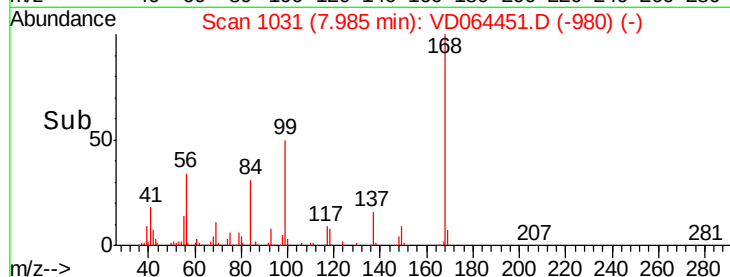
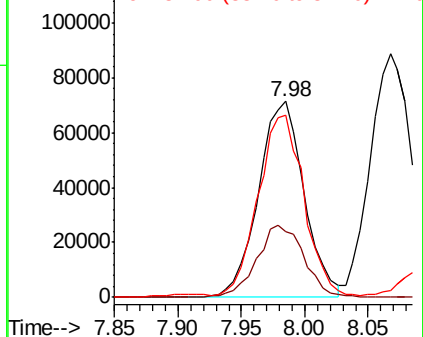
56 100

69 33.4 26.2 39.4

84 91.4 70.3 105.5



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: 21.338 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

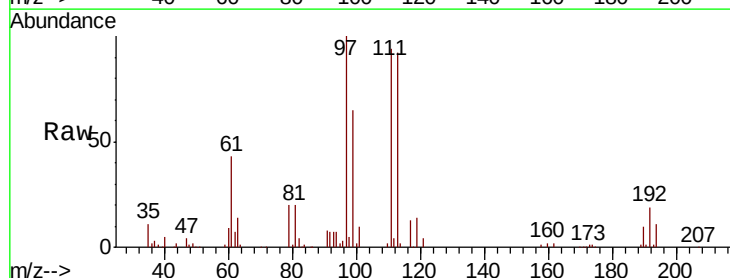
Tgt Ion: 97 Resp: 173909

Ion Ratio Lower Upper

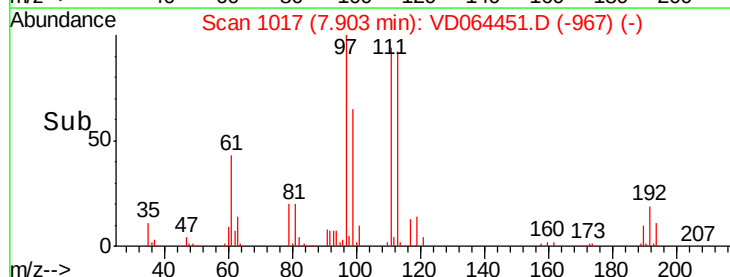
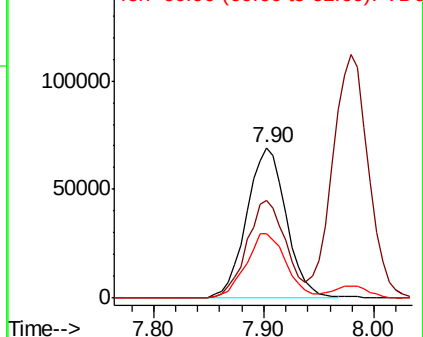
97 100

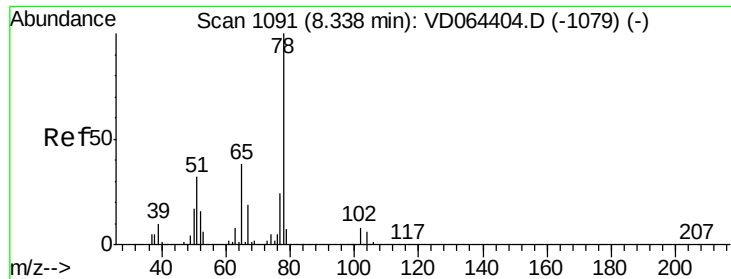
99 63.9 51.4 77.2

61 43.9 35.0 52.4



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

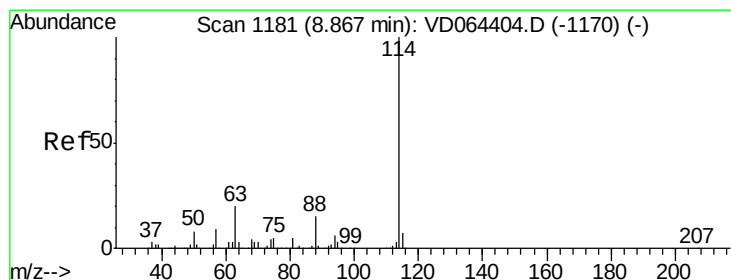
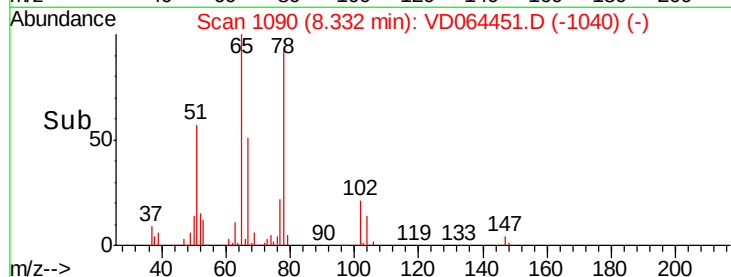
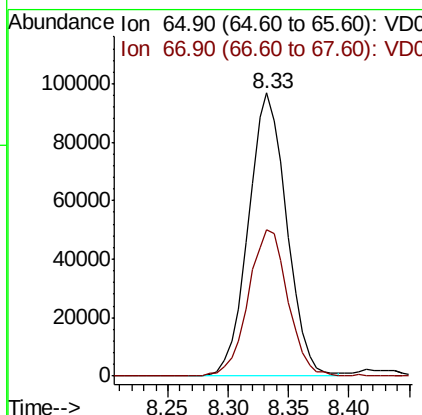
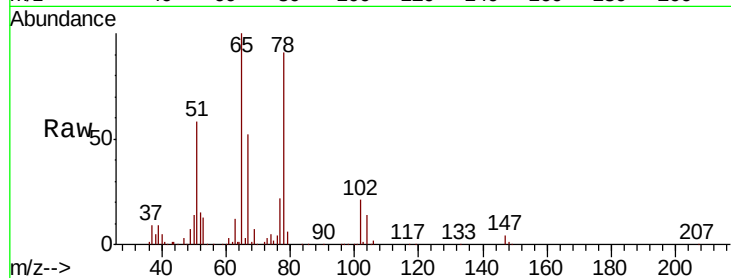




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.345 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

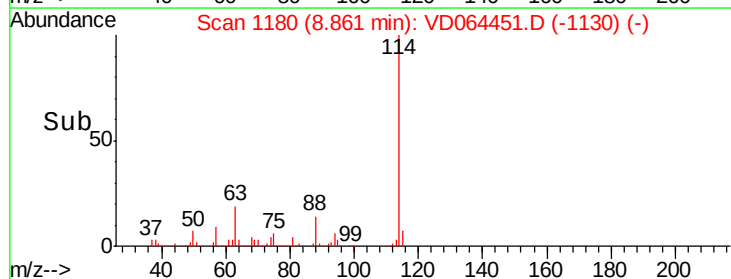
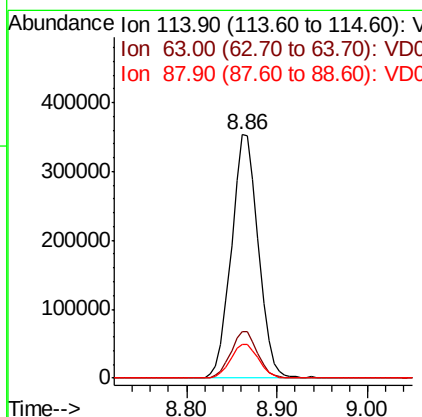
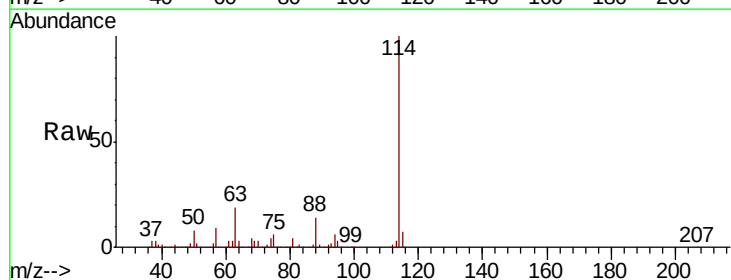
Instrument :  
 MSVOA\_D  
 ClientSampled :

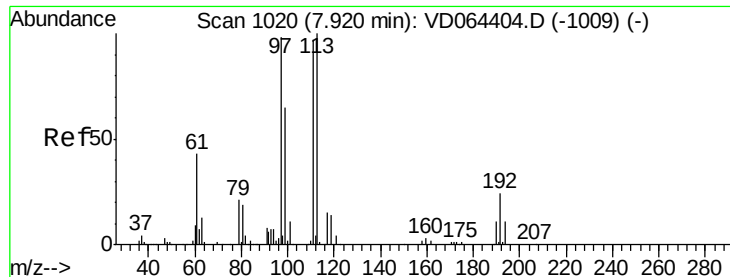
Tot Ion: 65 Resp: 213222  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Tgt Ion: 114 Resp: 733761  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 40.0  
 88 14.1 0.0 29.2

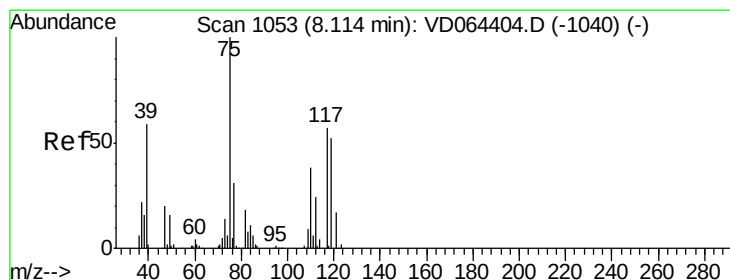
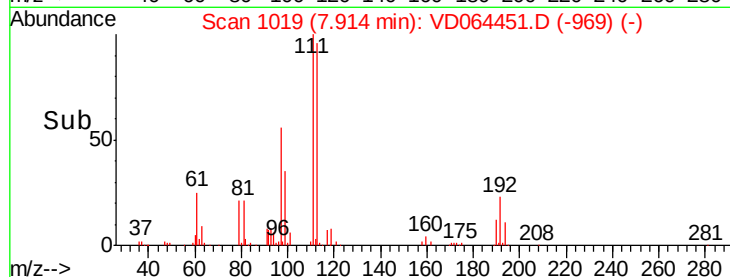
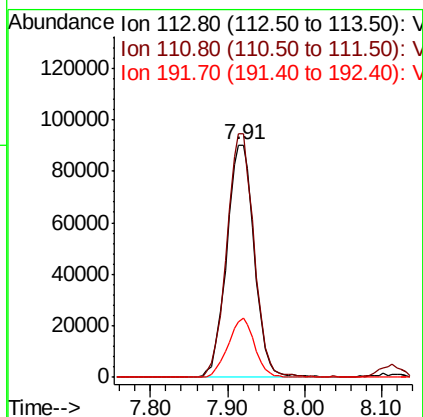
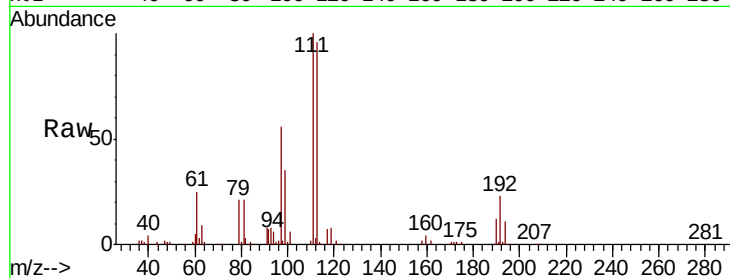




#35  
 Dibromofluoromethane  
 Concen: 48.762 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

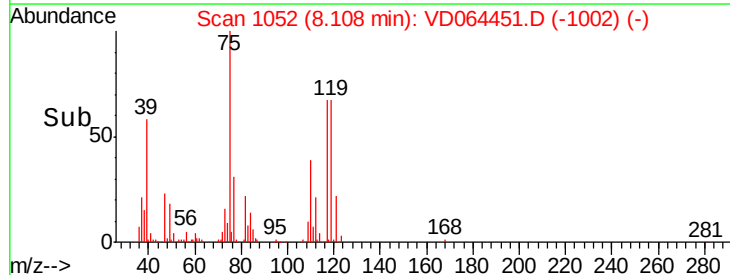
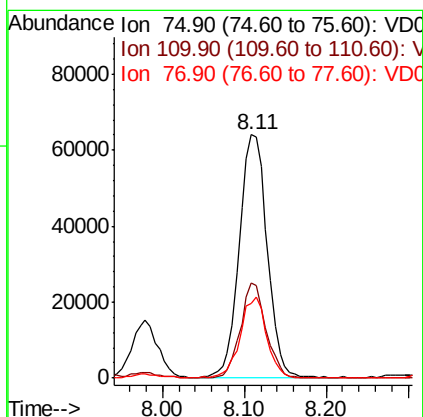
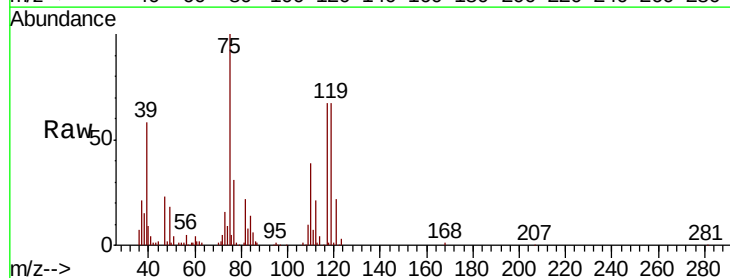
Instrument :  
 MSVOA\_D  
 ClientSampleId :

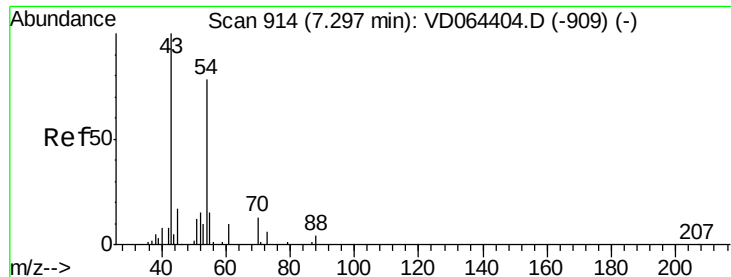
Tot Ion:113 Resp: 225432  
 Ion Ratio Lower Upper  
 113 100  
 111 103.2 79.4 119.2  
 192 24.3 18.6 28.0



#36  
 1,1-Dichloropropene  
 Concen: 22.121 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Tgt Ion: 75 Resp: 153531  
 Ion Ratio Lower Upper  
 75 100  
 110 35.7 18.6 55.8  
 77 31.4 25.0 37.4

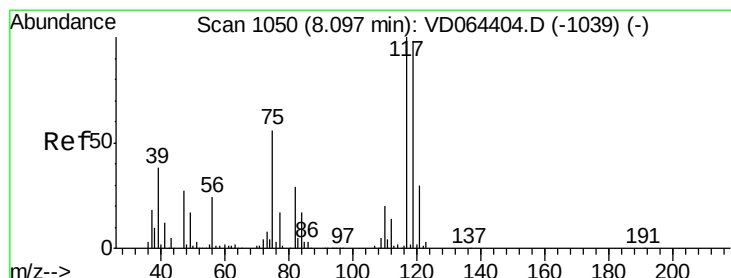
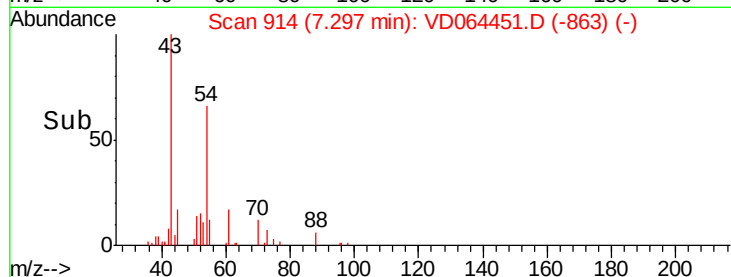
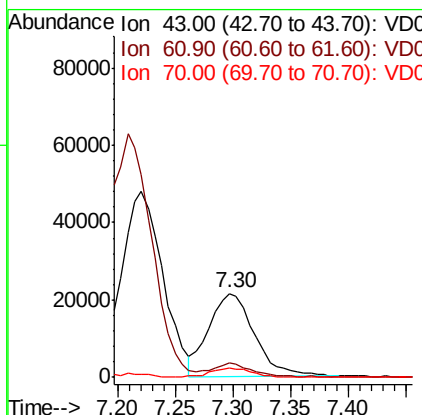
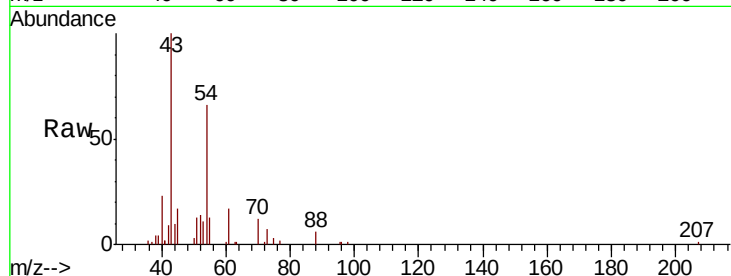




#37  
Ethyl Acetate  
Concen: 20.093 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

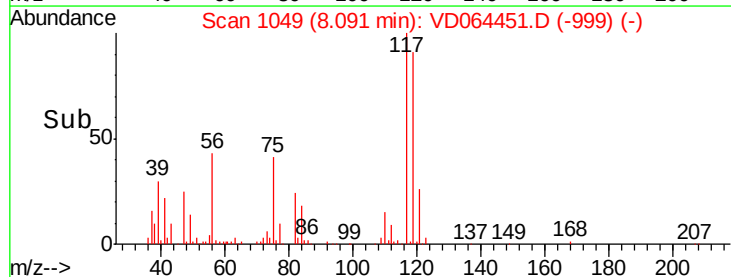
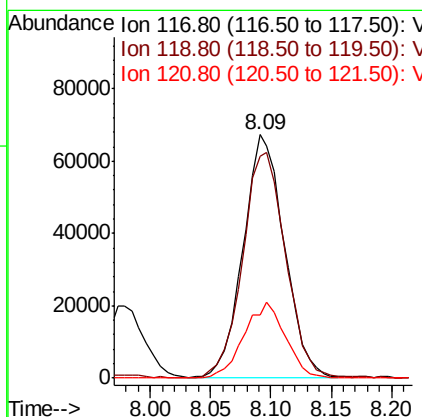
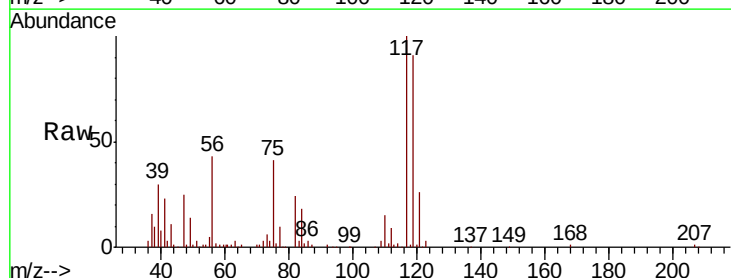
Instrument :  
MSVOA\_D  
ClientSampleId :

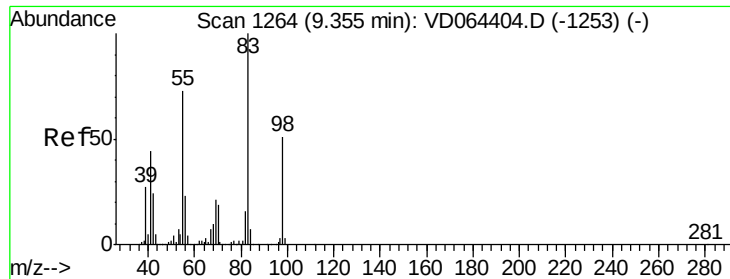
Tot Ion: 43 Resp: 59173  
Ion Ratio Lower Upper  
43 100  
61 13.7 10.9 16.3  
70 10.6 8.3 12.5



#38  
Carbon Tetrachloride  
Concen: 21.864 ug/l  
RT: 8.09 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 117 Resp: 160155  
Ion Ratio Lower Upper  
117 100  
119 91.2 78.8 118.2  
121 25.8 24.2 36.2

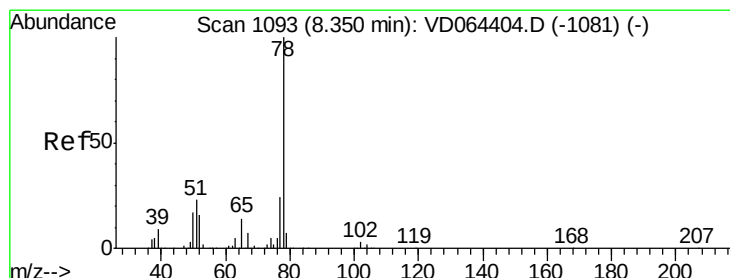
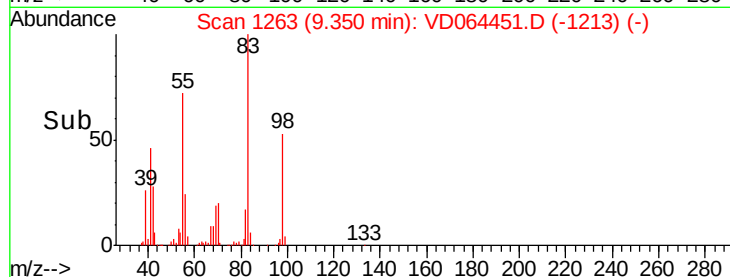
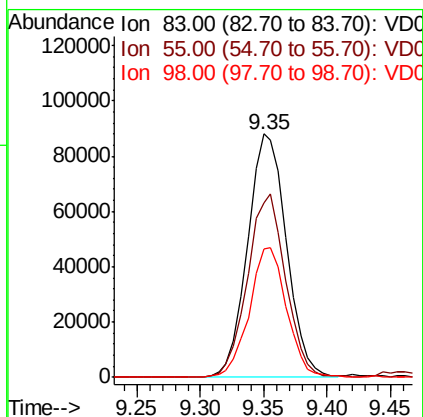
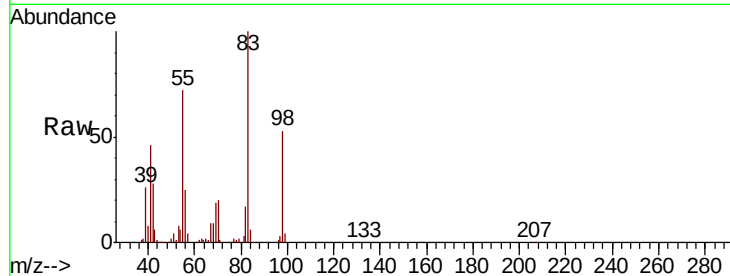




#39  
Methylvlcyclohexane  
Concen: 21.864 ug/l  
RT: 9.35 min Scan# 1263  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

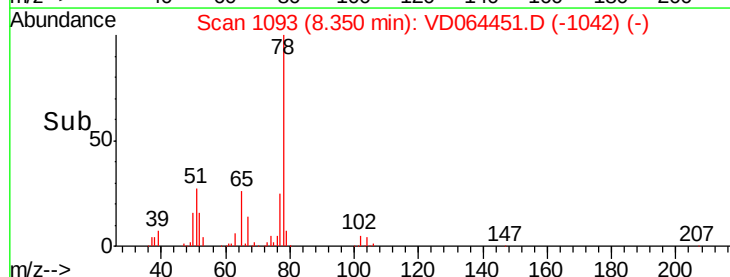
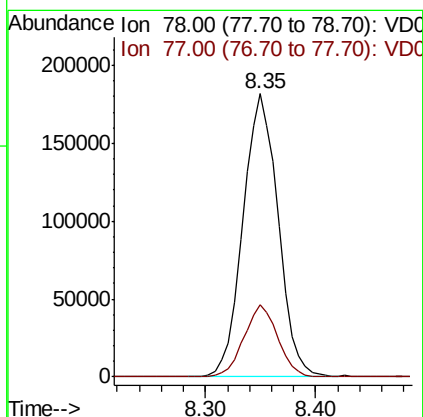
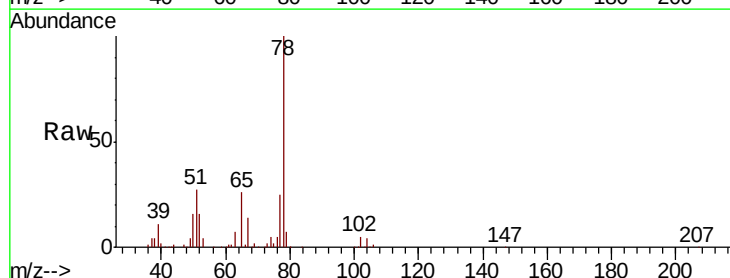
Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion: 83 Resp: 188236  
Ion Ratio Lower Upper  
83 100  
55 71.9 58.6 87.8  
98 52.8 40.9 61.3

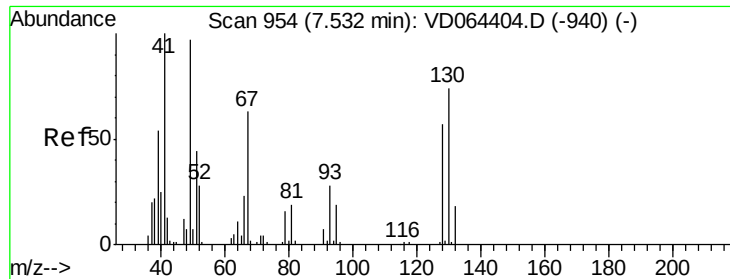


#40  
Benzene  
Concen: 21.106 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 78 Resp: 406853  
Ion Ratio Lower Upper  
78 100  
77 25.4 19.6 29.4



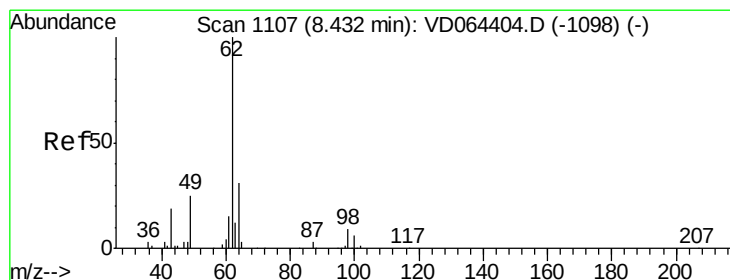
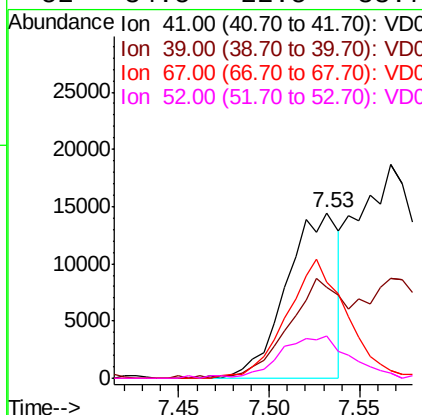
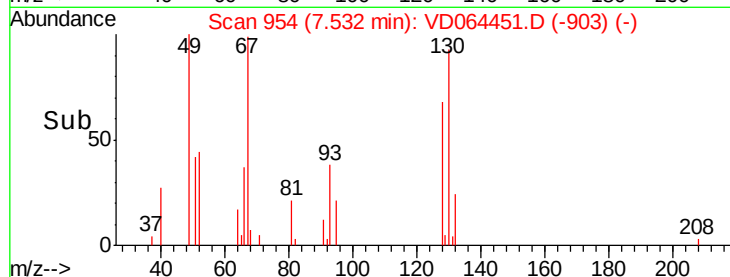
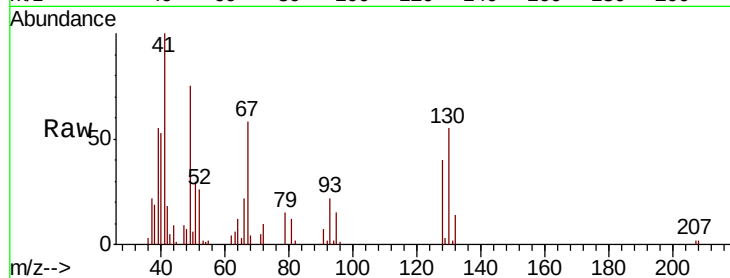




#41  
Methacrylonitrile  
Concen: 17.271 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

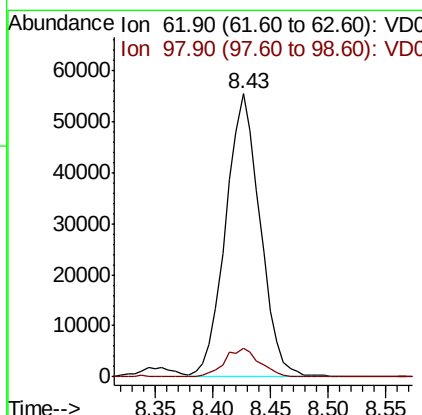
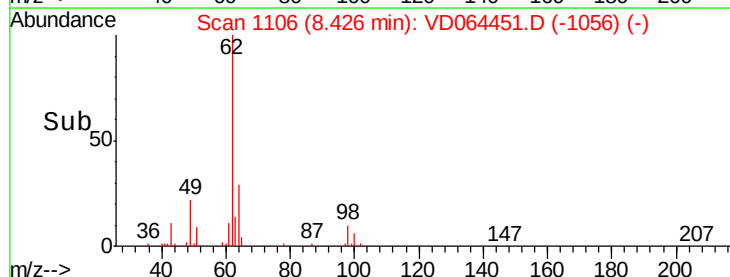
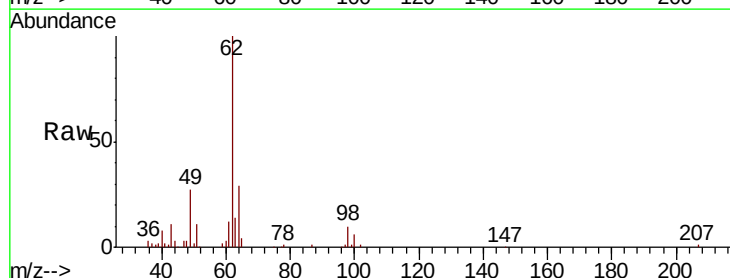
Instrument :  
MSVOA\_D  
ClientSampleId :

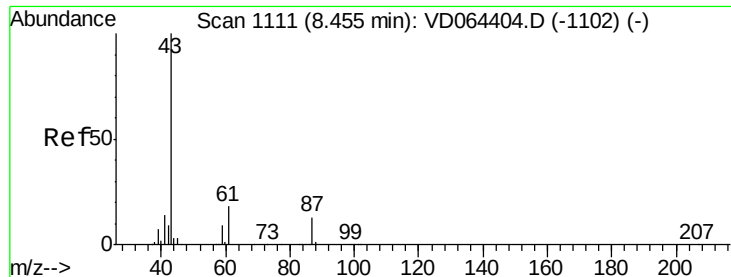
Tot Ion: 41 Resp: 29168  
Ion Ratio Lower Upper  
41 100  
39 63.8 44.6 67.0  
67 83.1 50.9 76.3#  
52 34.5 22.5 33.7#



#42  
1,2-Dichloroethane  
Concen: 20.432 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 62 Resp: 114860  
Ion Ratio Lower Upper  
62 100  
98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 19.473 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampleId :

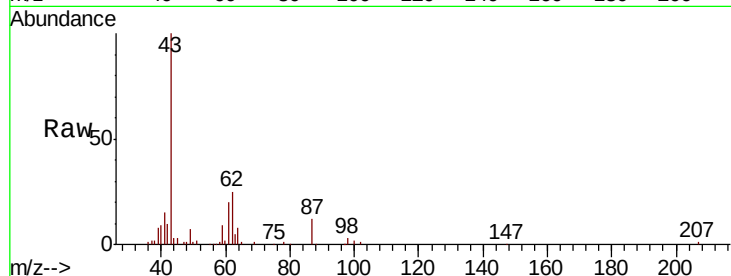
Tot Ion: 43 Resp: 112752

Ion Ratio Lower Upper

43 100

61 30.3 24.0 36.0

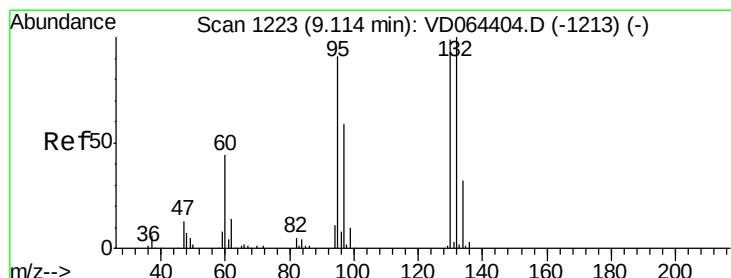
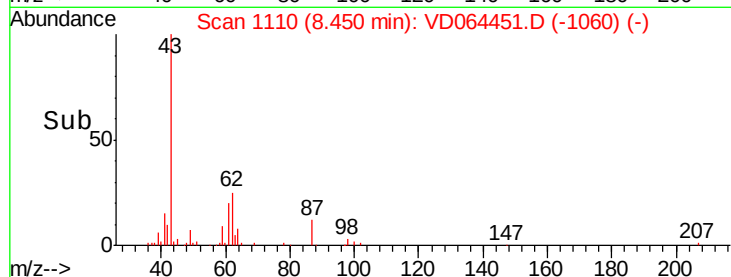
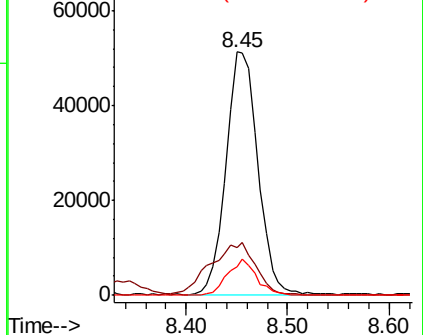
87 13.3 10.6 15.8



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: 21.353 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064451.D

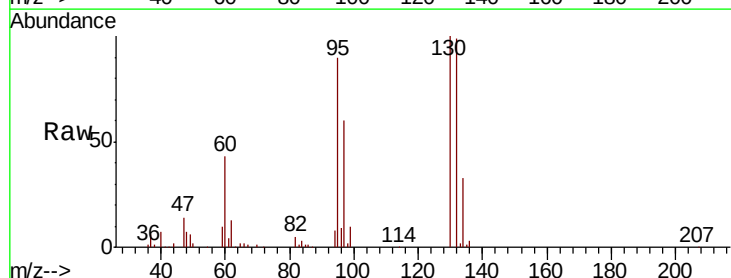
Acq: 06 Dec 2019 11:38

Tgt Ion:130 Resp: 123986

Ion Ratio Lower Upper

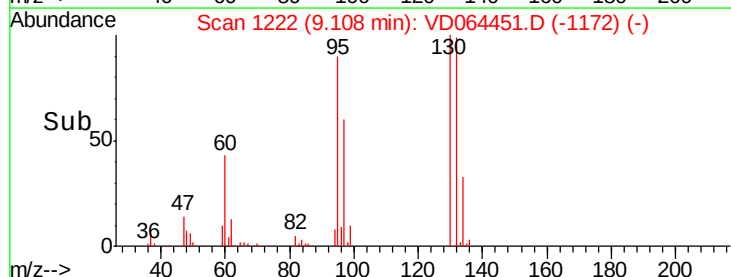
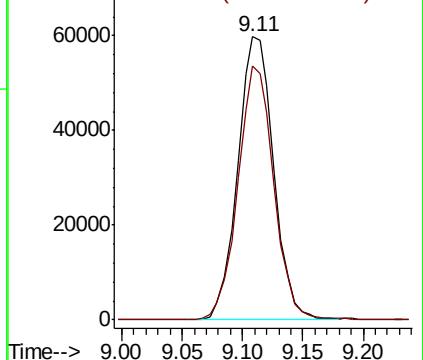
130 100

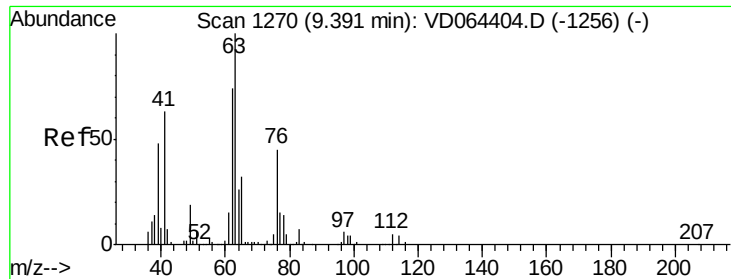
95 89.8 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.839 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

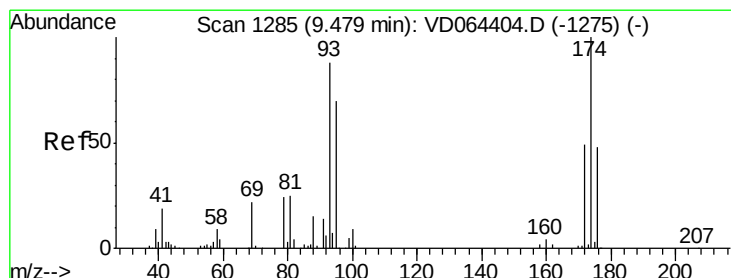
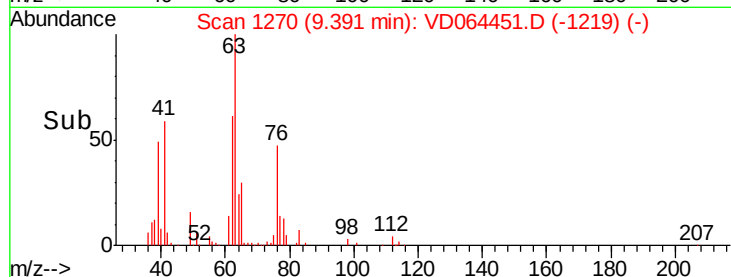
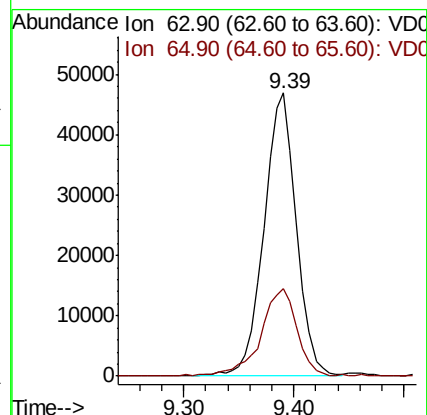
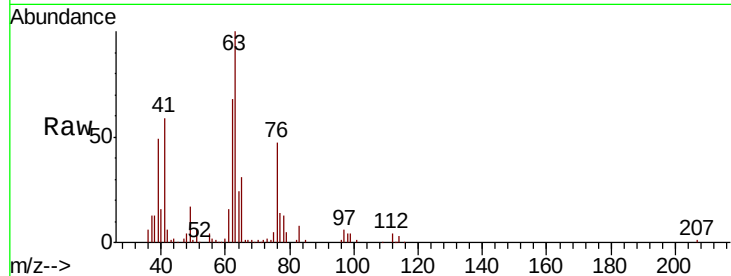
ClientSampled :

Tot Ion: 63 Resp: 96071

Ion Ratio Lower Upper

63 100

65 30.8 25.4 38.0



#46

Dibromomethane

Concen: 20.224 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

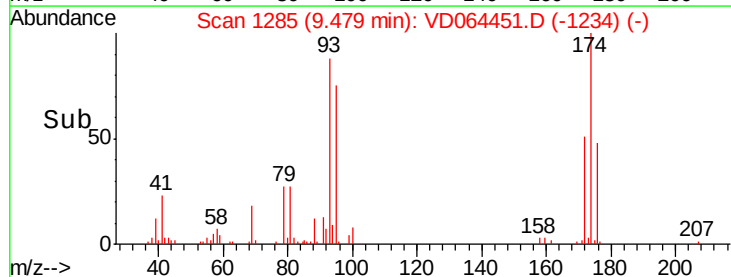
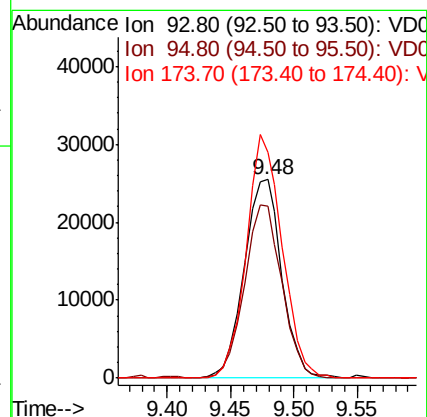
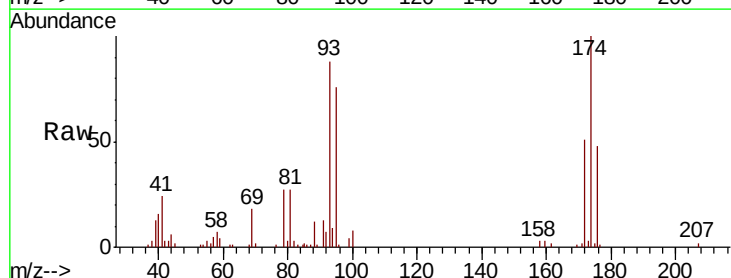
Tgt Ion: 93 Resp: 52621

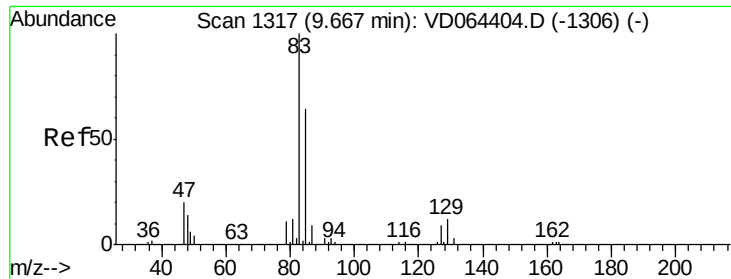
Ion Ratio Lower Upper

93 100

95 86.5 66.7 100.1

174 116.4 92.3 138.5





#47

Bromodichloromethane

Concen: 21.021 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampleId :

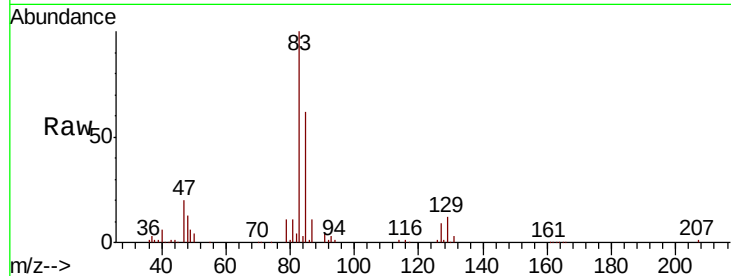
Tot Ion: 83 Resp: 140539

Ion Ratio Lower Upper

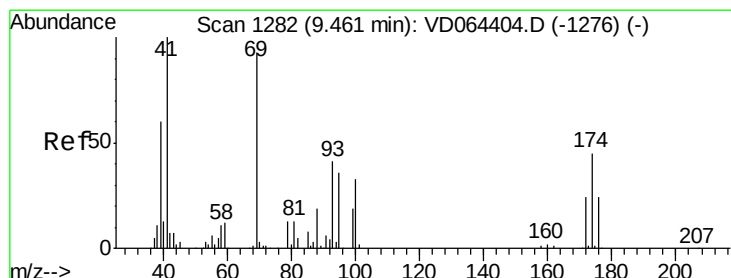
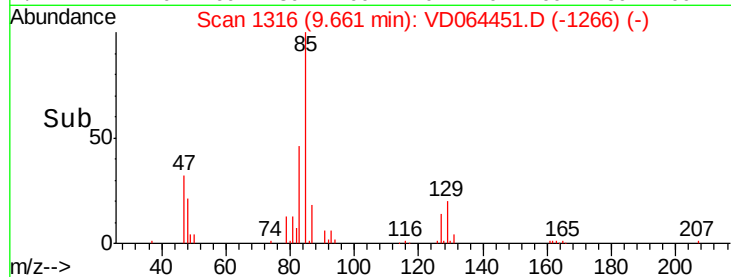
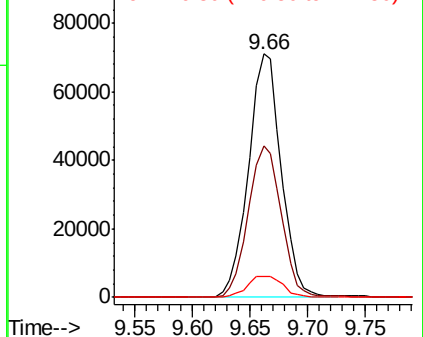
83 100

85 62.2 51.1 76.7

127 8.6 7.4 11.0



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: 21.829 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

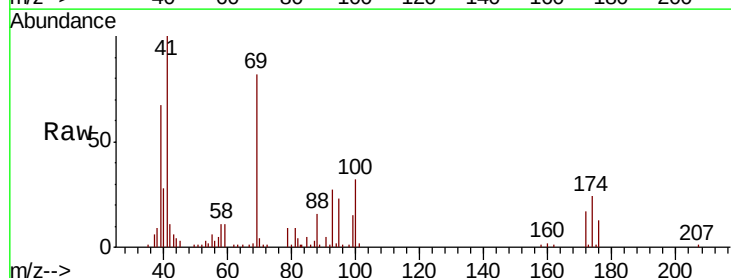
Tgt Ion: 41 Resp: 57838

Ion Ratio Lower Upper

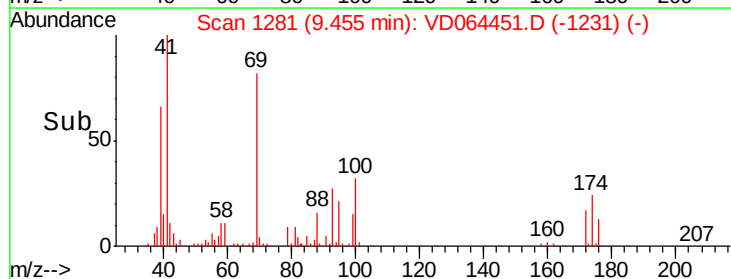
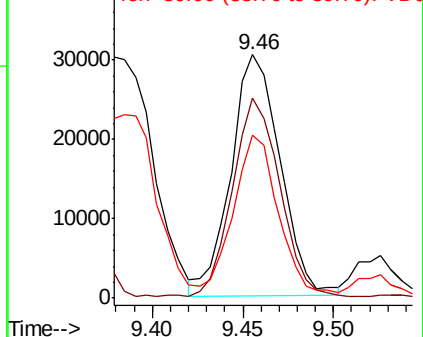
41 100

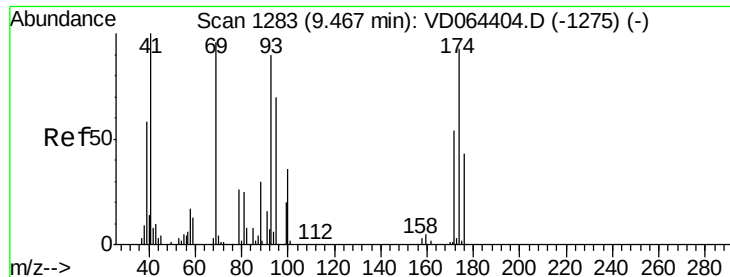
69 79.3 72.0 108.0

39 57.0 55.2 82.8



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

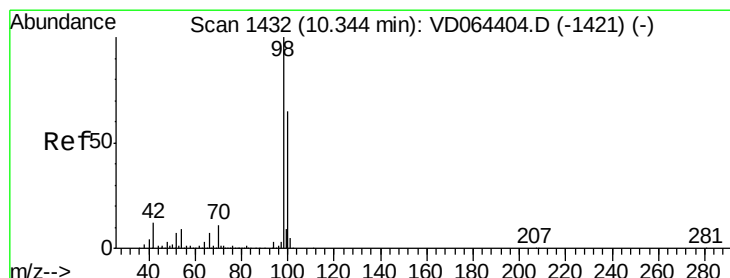
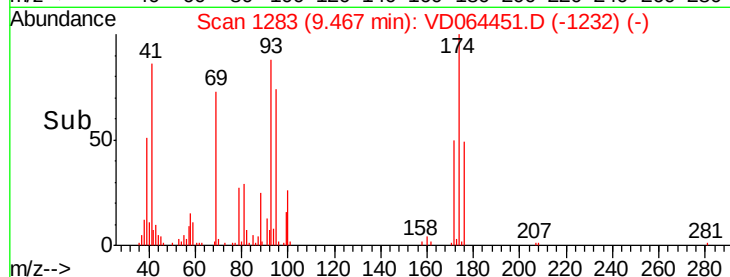
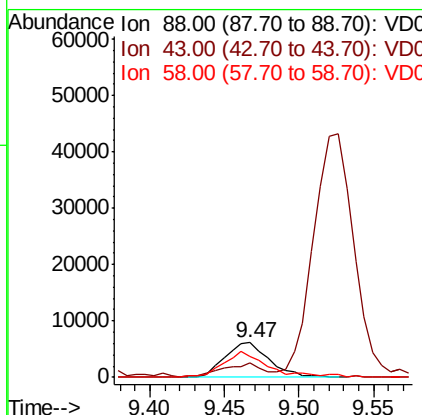
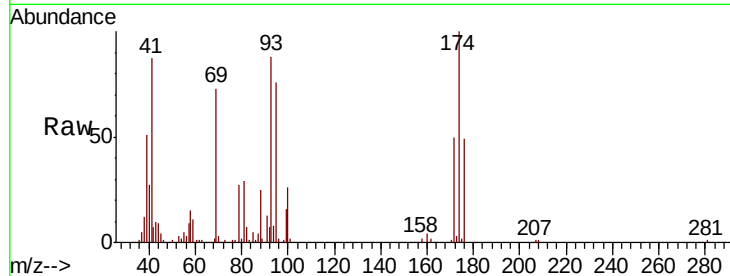




#49  
1,4-Dioxane  
Concen: 394.492 ug/l  
RT: 9.47 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

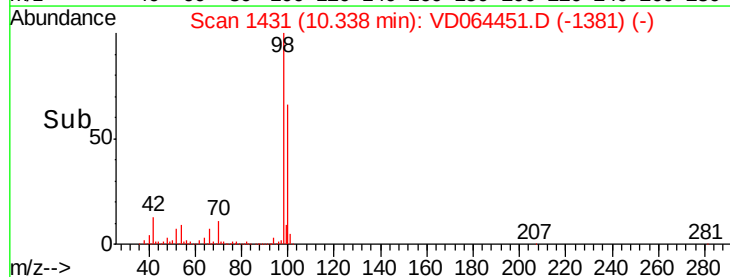
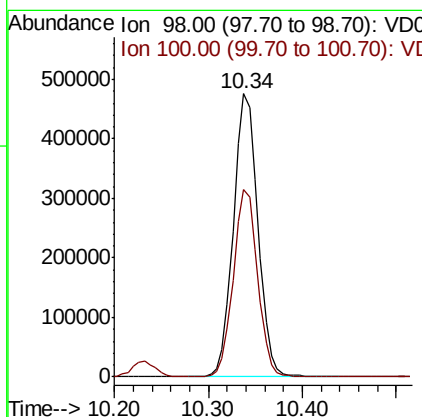
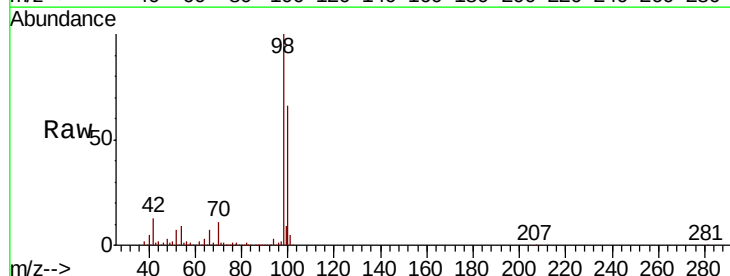
Instrument :  
MSVOA\_D  
ClientSampleId :

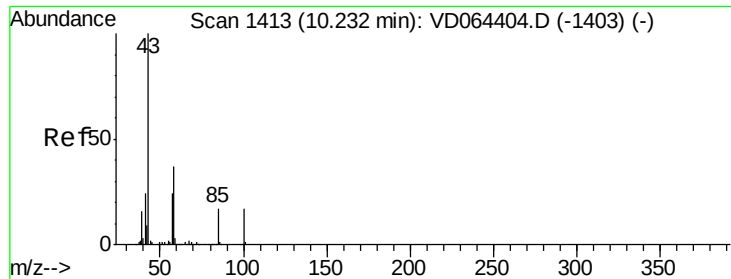
Tot Ion: 88 Resp: 12675  
Ion Ratio Lower Upper  
88 100  
43 33.9 26.7 40.1  
58 72.8 52.3 78.5



#50  
Toluene-d8  
Concen: 49.520 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 98 Resp: 862373  
Ion Ratio Lower Upper  
98 100  
100 65.6 52.6 79.0

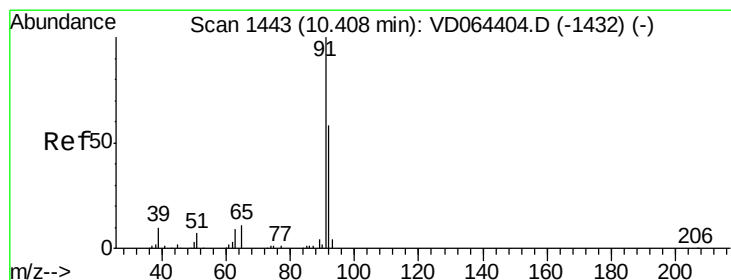
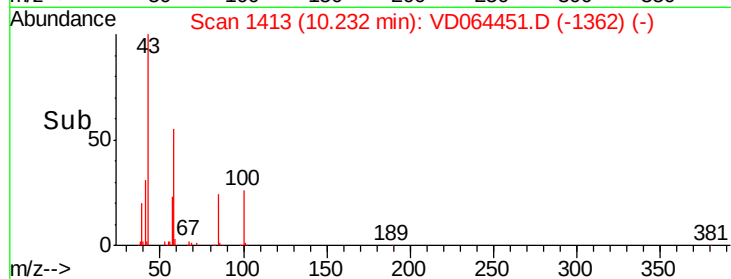
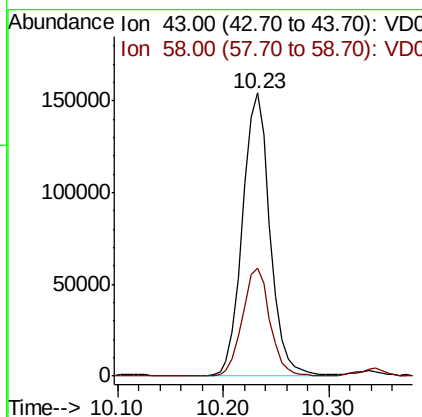
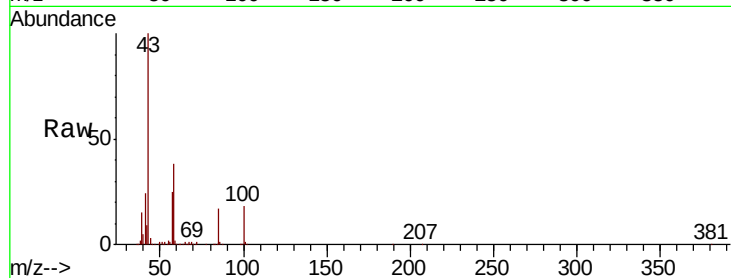




#51  
 4-Methyl-2-Pentanone  
 Concen: 97.254 ug/l  
 RT: 10.23 min Scan# 1413  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

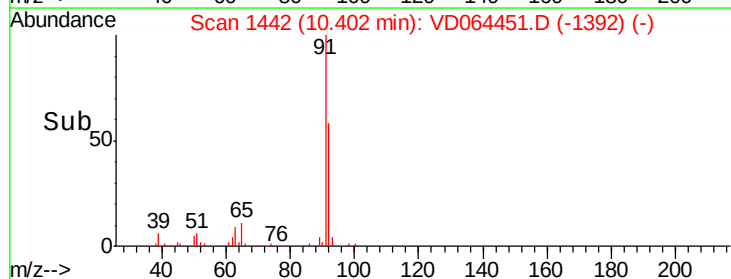
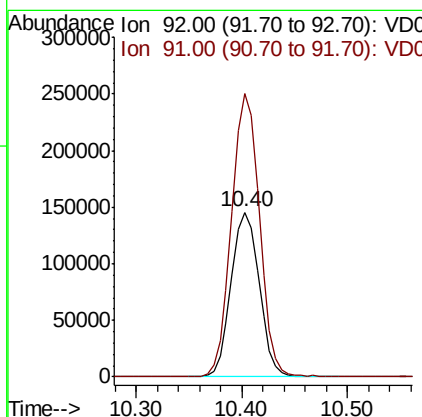
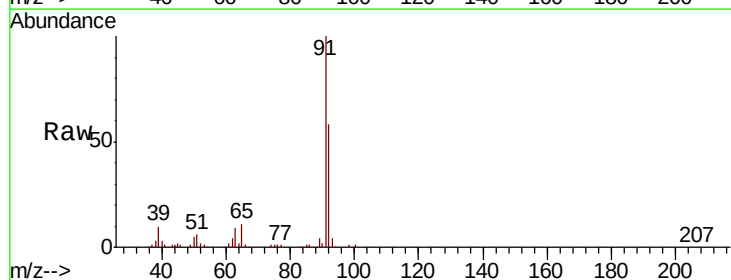
Instrument :  
 MSVOA\_D  
 ClientSampleID :

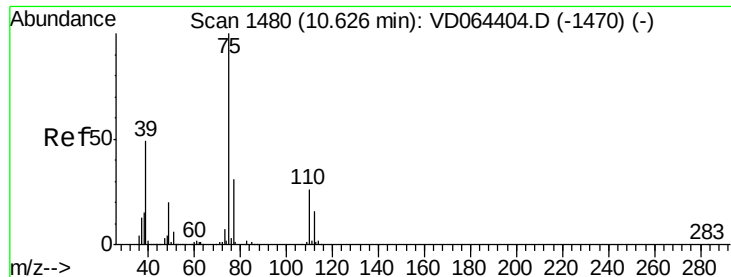
Tot Ion: 43 Resp: 278633  
 Ion Ratio Lower Upper  
 43 100  
 58 38.2 30.6 46.0



#52  
 Toluene  
 Concen: 21.377 ug/l  
 RT: 10.40 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Tgt Ion: 92 Resp: 268554  
 Ion Ratio Lower Upper  
 92 100  
 91 170.5 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 20.318 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

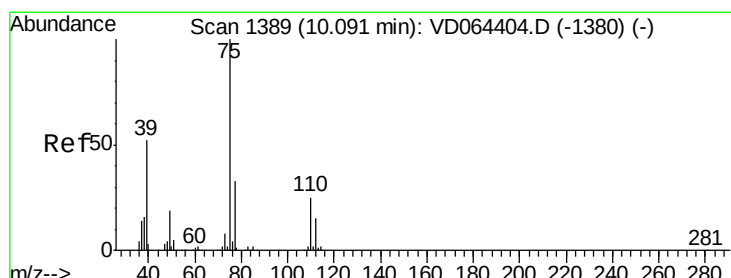
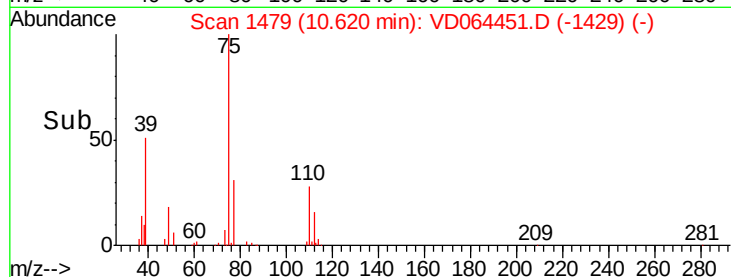
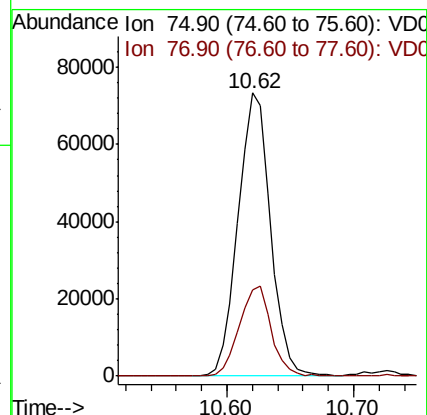
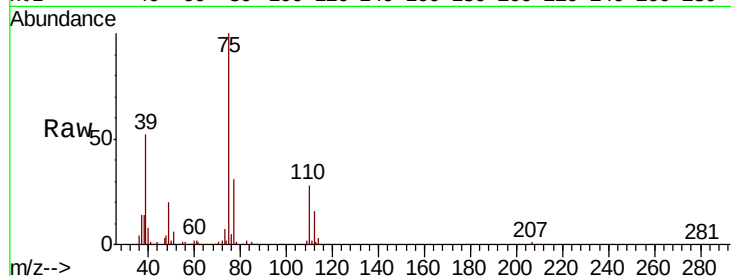
ClientSampleId :

Tot Ion: 75 Resp: 129457

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.575 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

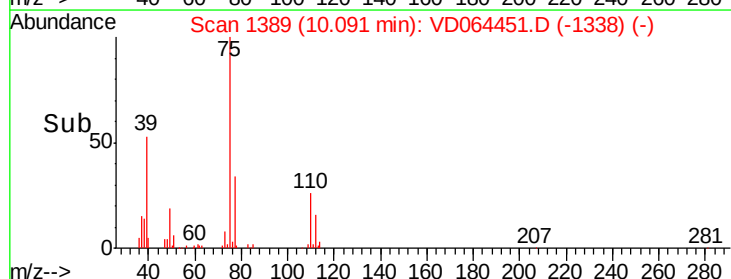
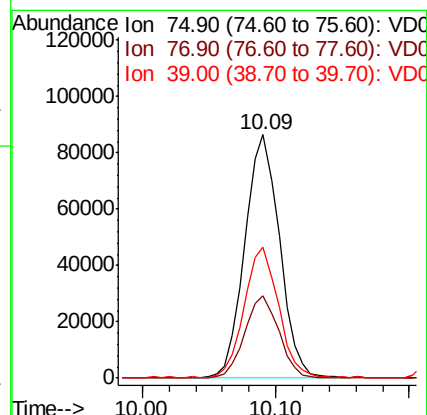
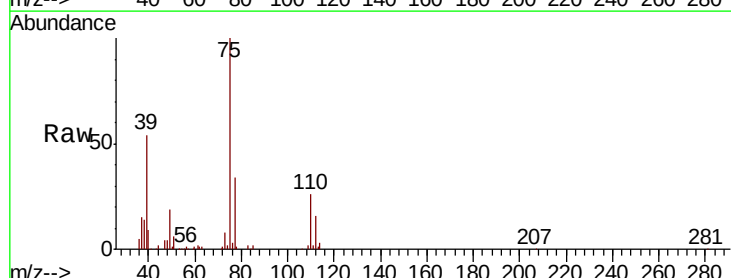
Tgt Ion: 75 Resp: 155738

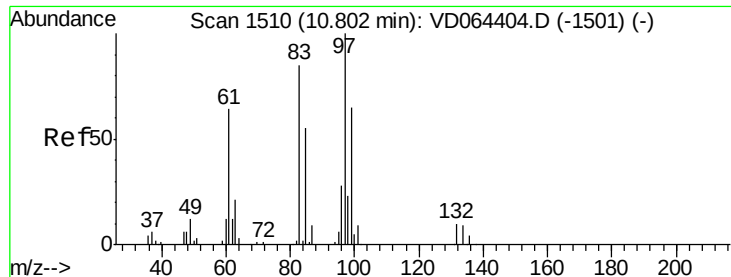
Ion Ratio Lower Upper

75 100

77 33.7 26.1 39.1

39 53.4 41.5 62.3

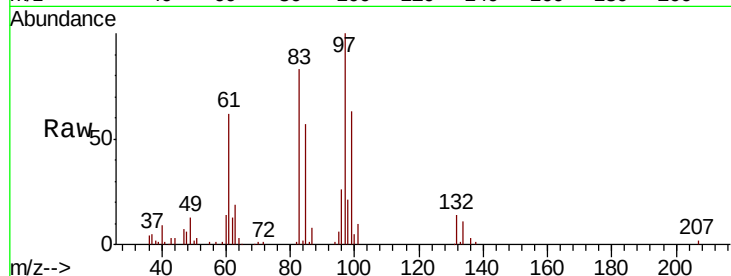




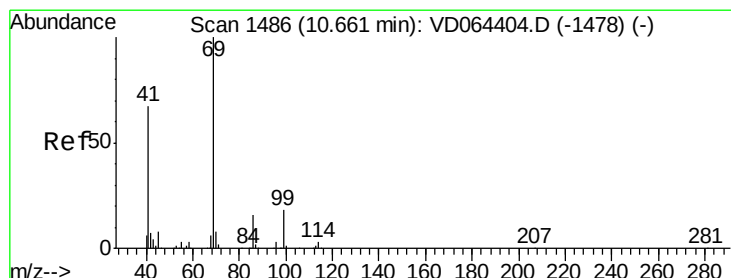
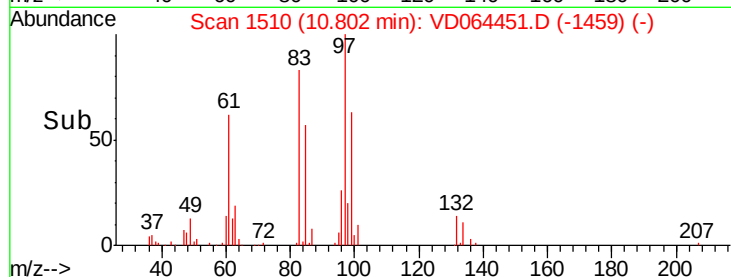
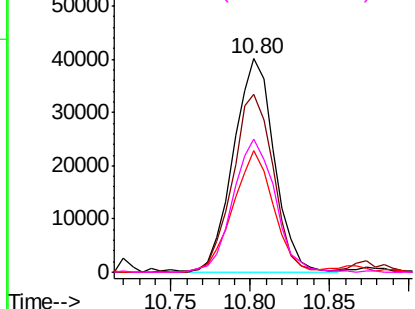
#55  
 1,1,2-Trichloroethane  
 Concen: 20.154 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Instrument :  
 MSVOA\_D  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 71804 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.5  | 67.8  | 101.8 |
| 85       | 56.3  | 43.7  | 65.5  |
| 99       | 62.4  | 51.7  | 77.5  |

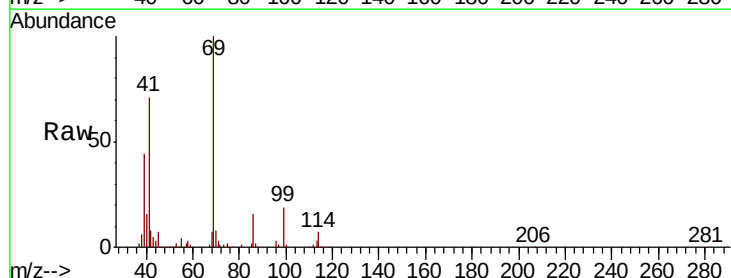


Abundance Ion 96.90 (96.60 to 97.60): VDC  
 Ion 82.90 (82.60 to 83.60): VDC  
 Ion 84.90 (84.60 to 85.60): VDC  
 Ion 98.90 (98.60 to 99.60): VDC

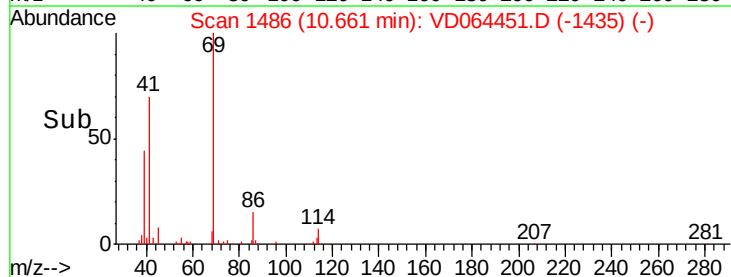
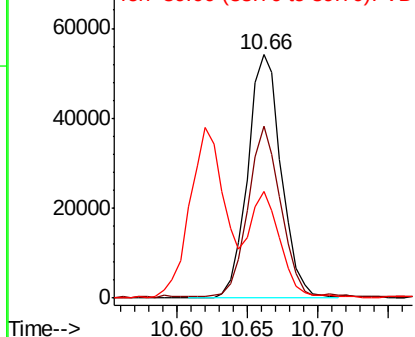


#56  
 Ethyl methacrylate  
 Concen: 19.880 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

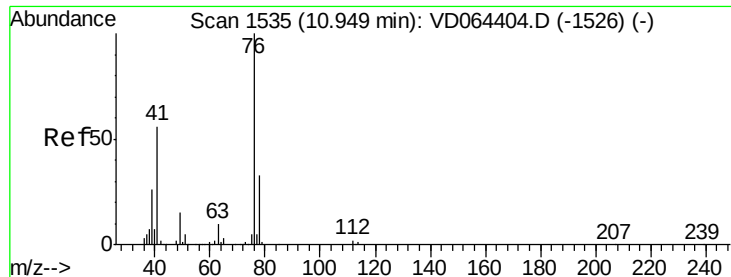
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 90339 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.9  | 55.0  | 82.4  |
| 39       | 40.7  | 33.0  | 49.6  |



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







#57

1,3-Dichloropropane

Concen: 20.230 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

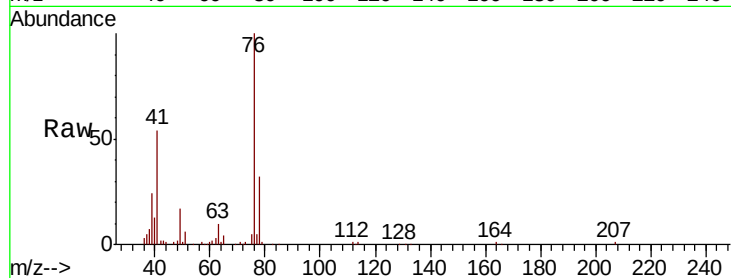
ClientSampleId :

Tot Ion: 76 Resp: 122689

Ion Ratio Lower Upper

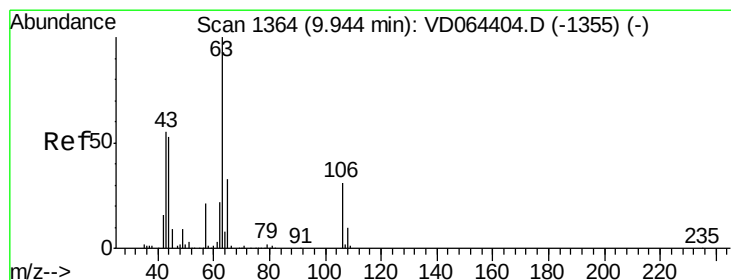
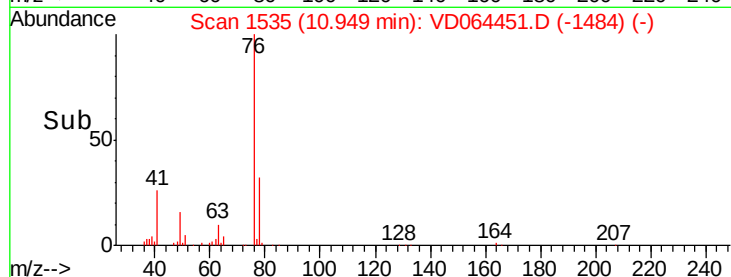
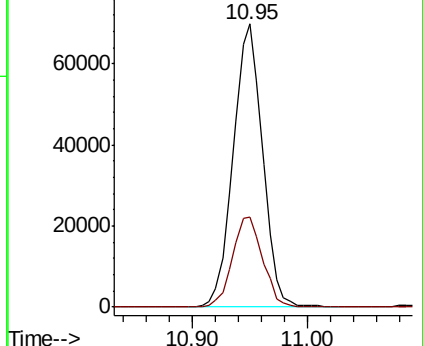
76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 100.649 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064451.D

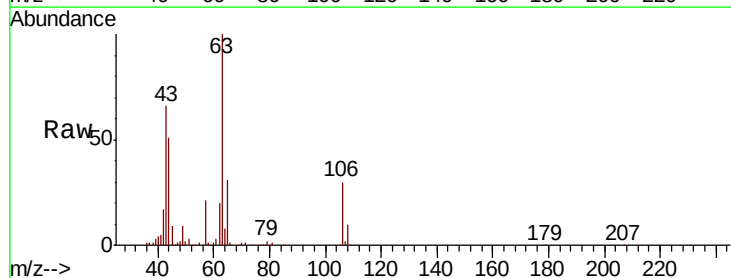
Acq: 06 Dec 2019 11:38

Tgt Ion: 63 Resp: 182321

Ion Ratio Lower Upper

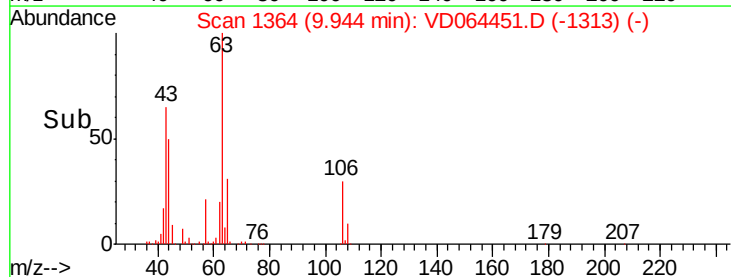
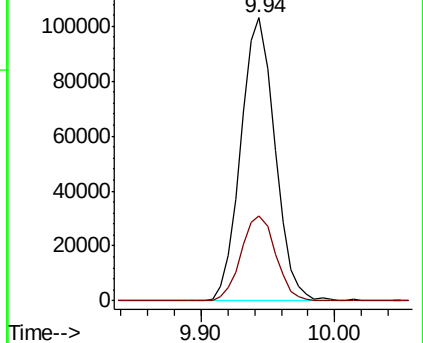
63 100

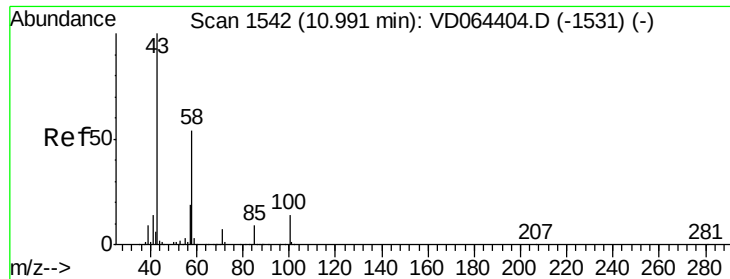
106 30.4 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

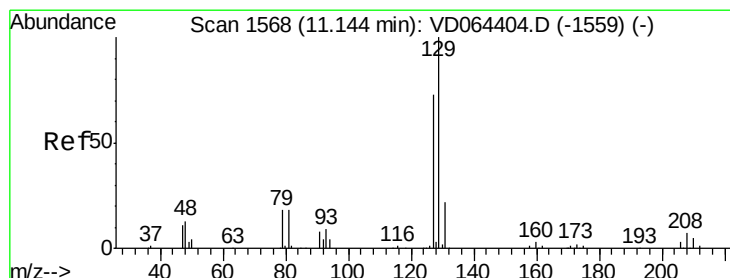
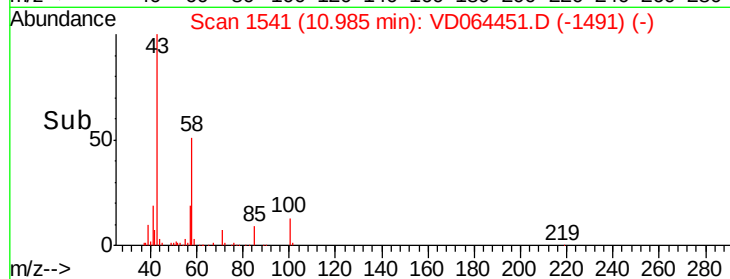
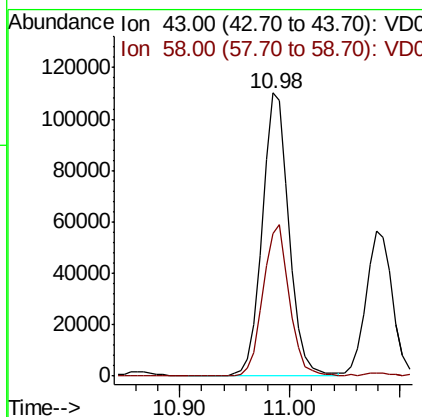
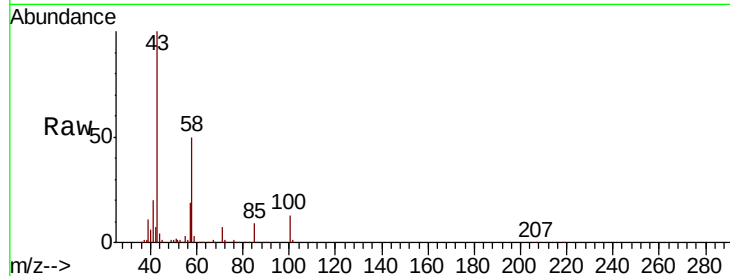




#59  
2-Hexanone  
Concen: 94.345 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

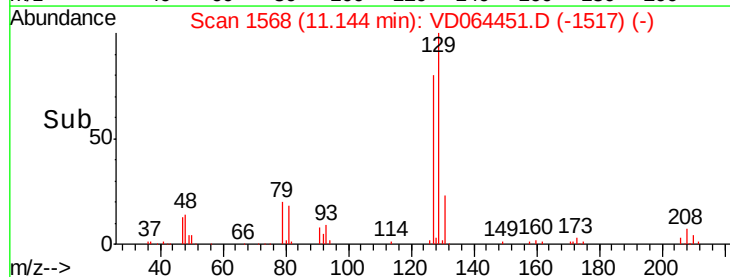
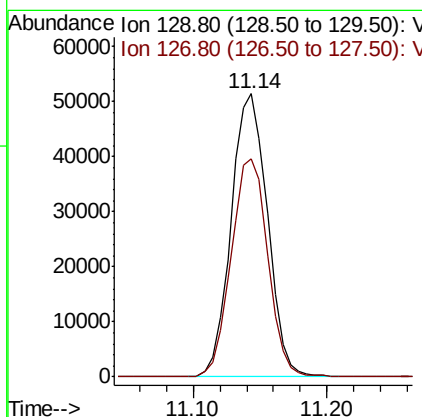
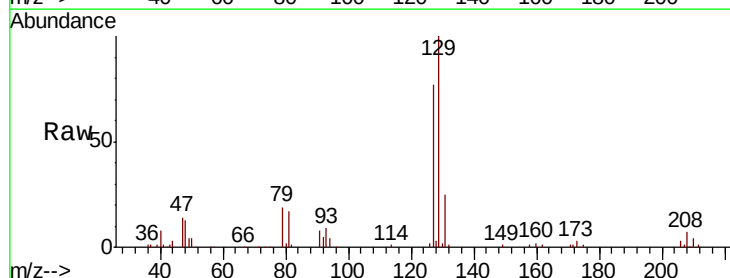
Instrument :  
MSVOA\_D  
ClientSampled :

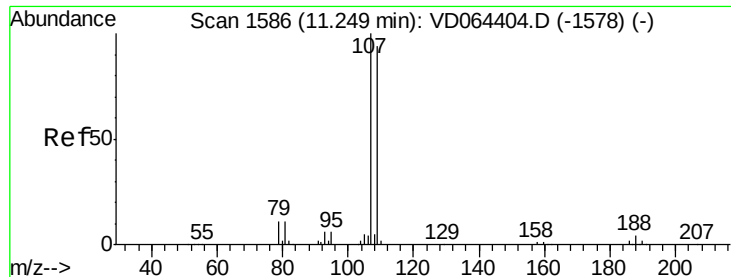
Tot Ion: 43 Resp: 187557  
Ion Ratio Lower Upper  
43 100  
58 52.7 26.3 78.8



#60  
Dibromochloromethane  
Concen: 20.079 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 129 Resp: 96995  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.1 114.3

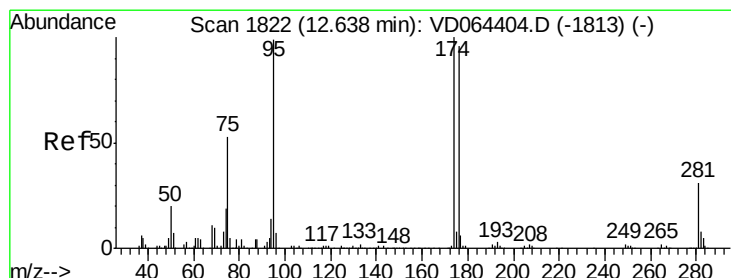
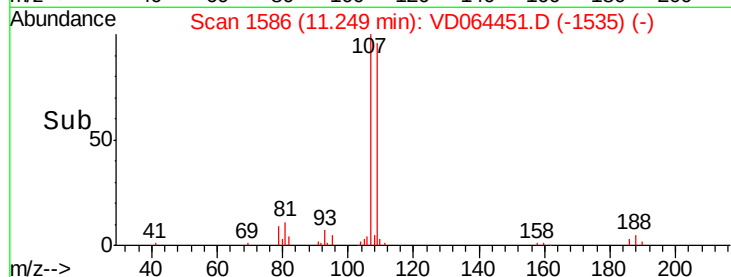
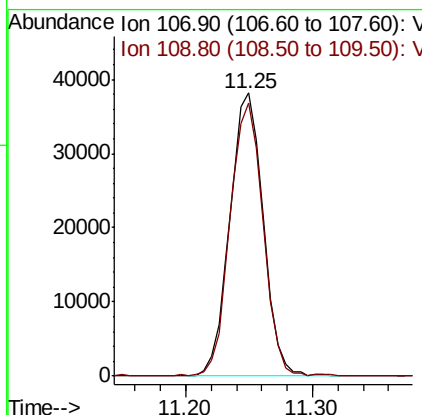
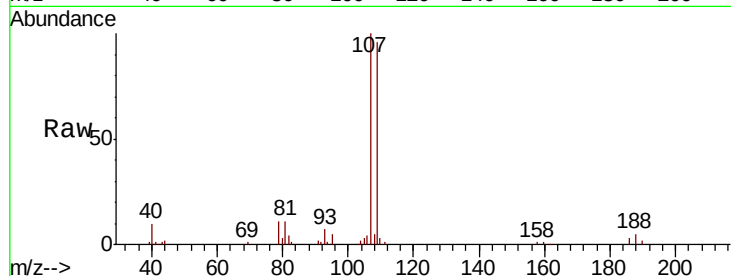




#61  
 1,2-Dibromoethane  
 Concen: 19.489 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

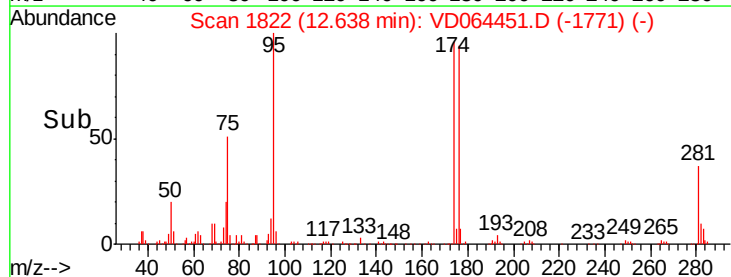
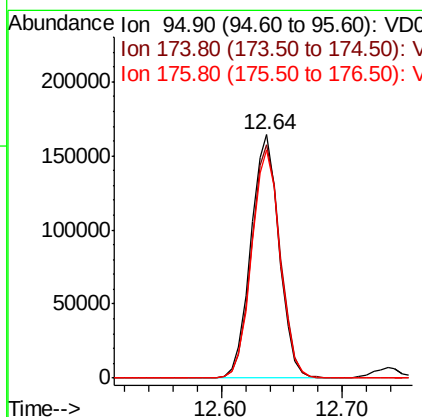
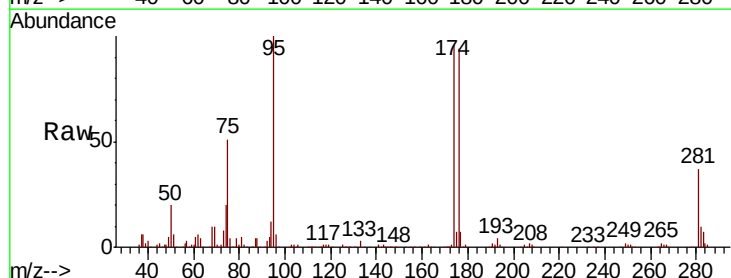
Instrument :  
 MSVOA\_D  
 ClientSampleId :

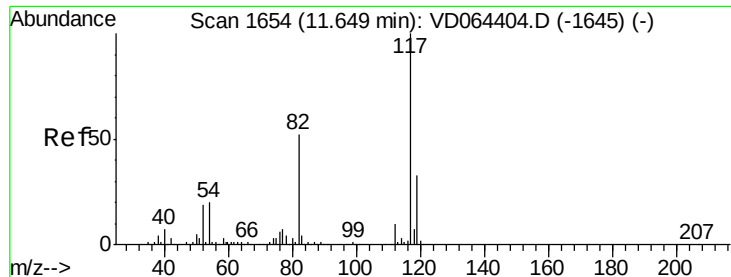
Tot Ion:107 Resp: 69329  
 Ion Ratio Lower Upper  
 107 100  
 109 95.3 76.2 114.2



#62  
 4-Bromofluorobenzene  
 Concen: 48.020 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

Tgt Ion: 95 Resp: 268747  
 Ion Ratio Lower Upper  
 95 100  
 174 97.0 0.0 197.2  
 176 94.1 0.0 189.6

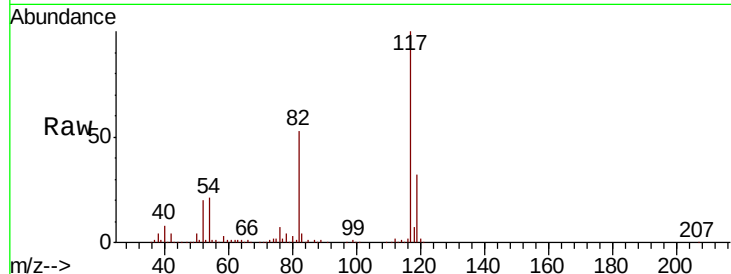




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.64 min Scan# 1653  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Instrument :  
MSVOA\_D  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 41.4  | 62.2  |
| 119     | 32.2  | 26.2  | 39.2  |

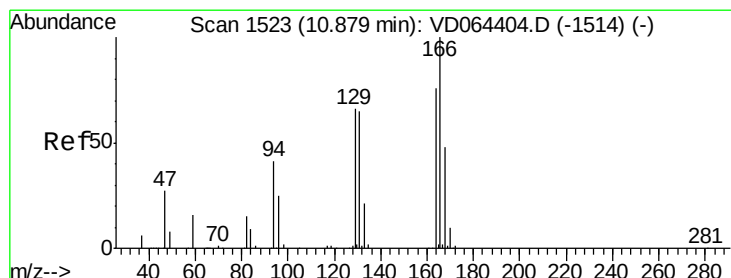
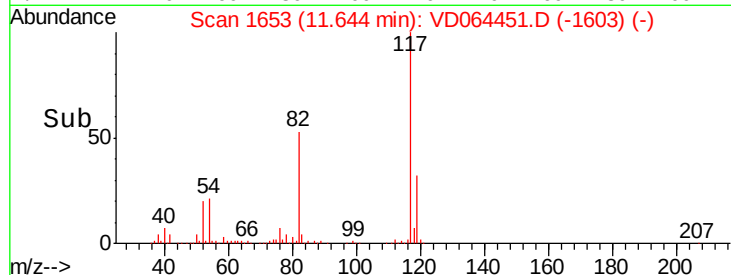
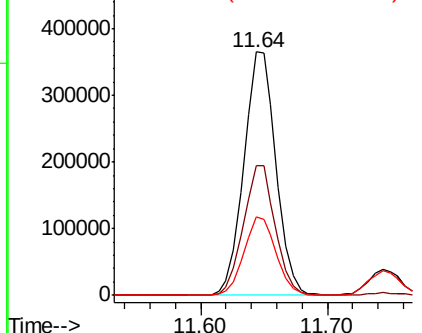


Abundance

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: 21.413 ug/l  
RT: 10.88 min Scan# 1523  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.1 | 104.8 | 157.2 |
| 129     | 83.8  | 68.7  | 103.1 |
| 131     | 84.9  | 67.9  | 101.9 |

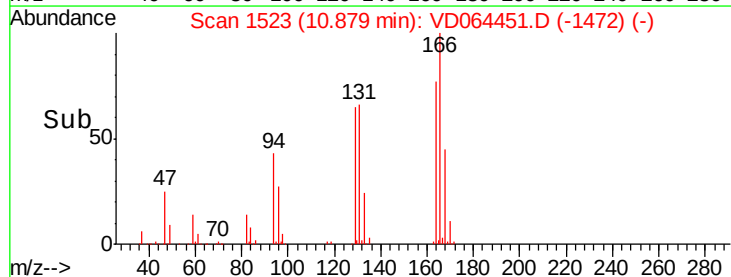
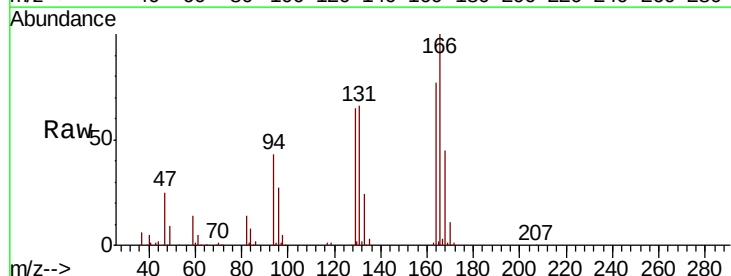
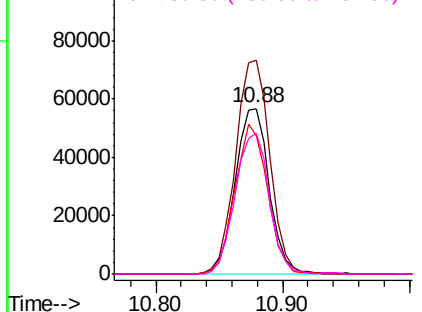
Abundance

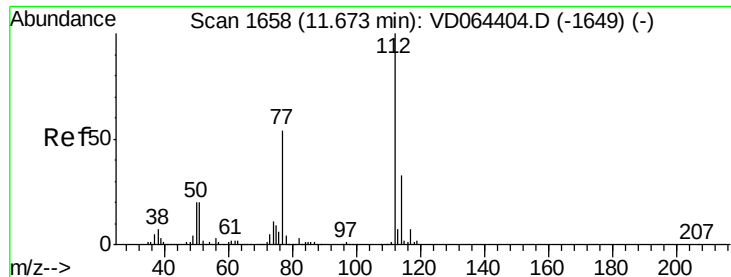
Ion 163.80 (163.50 to 164.50): V

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

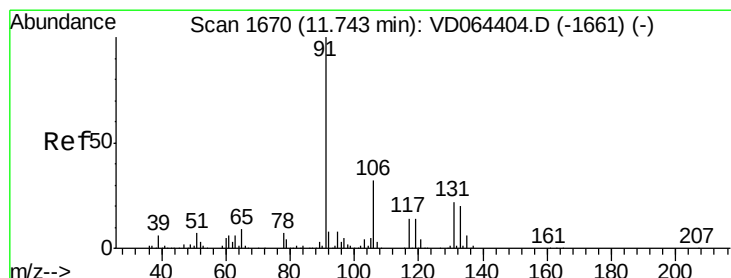
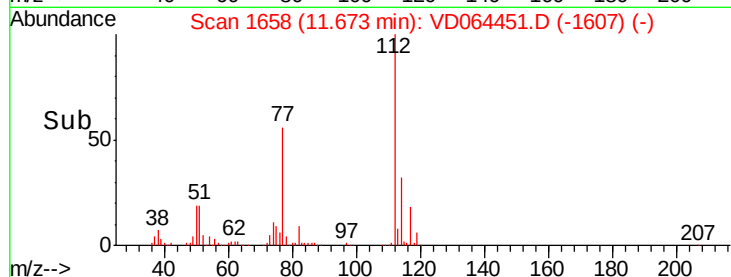
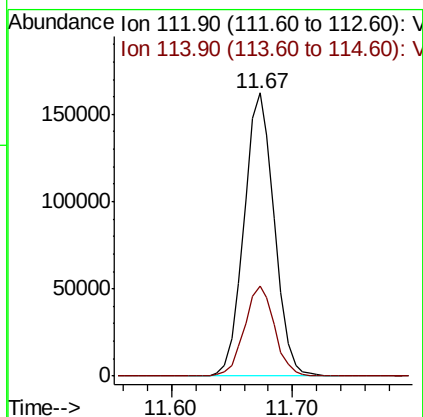
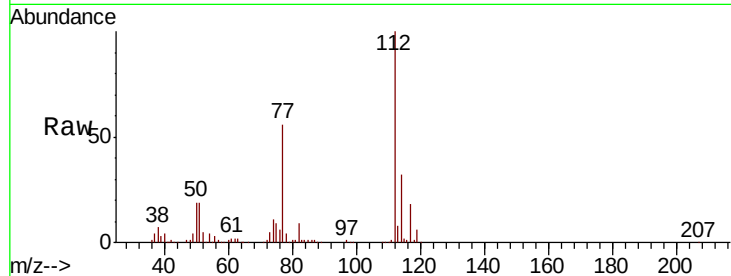




#65  
Chlorobenzene  
Concen: 21.112 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

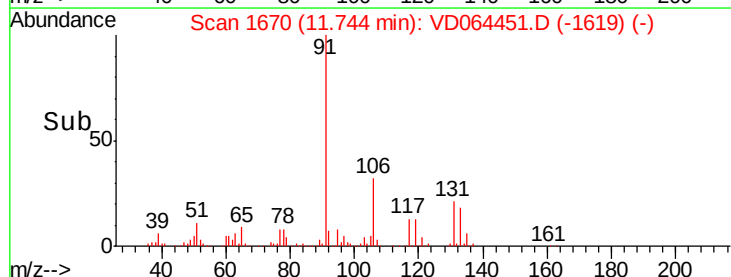
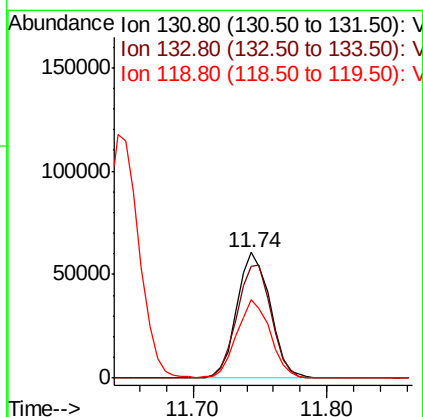
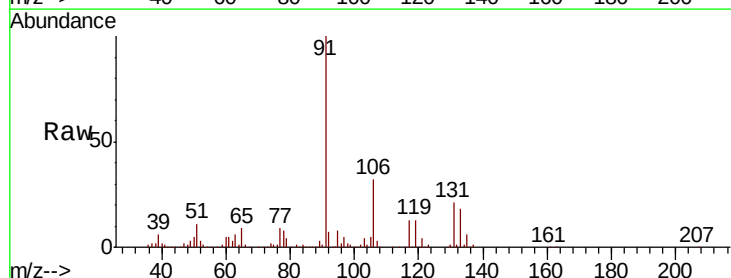
Instrument :  
MSVOA\_D  
ClientSampleId :

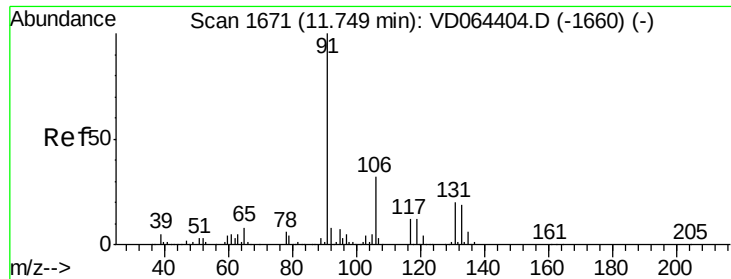
Tot Ion:112 Resp: 283050  
Ion Ratio Lower Upper  
112 100  
114 32.0 26.5 39.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.185 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion:131 Resp: 105140  
Ion Ratio Lower Upper  
131 100  
133 93.7 48.3 144.9  
119 62.8 31.9 95.9

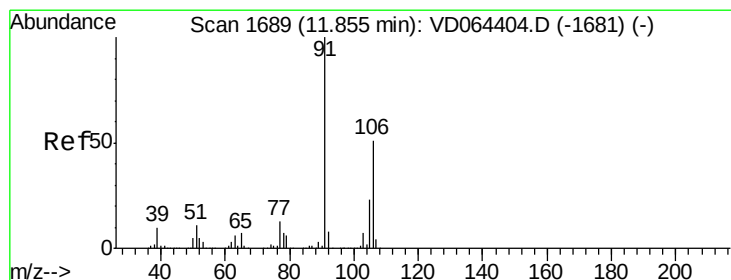
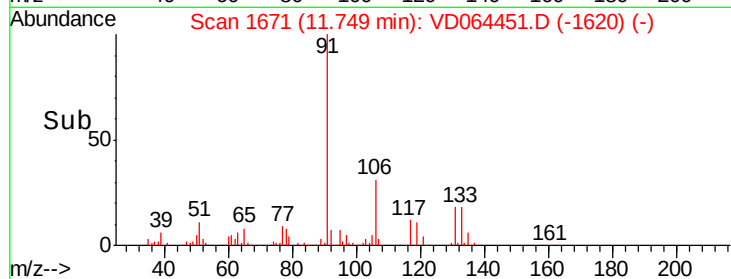
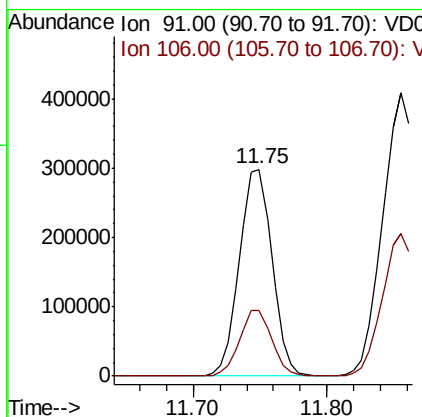
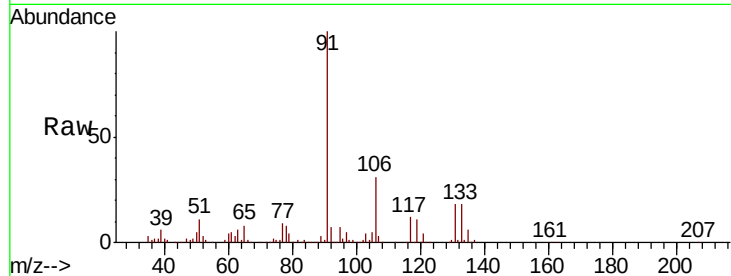




#67  
Ethyl Benzene  
Concen: 21.268 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

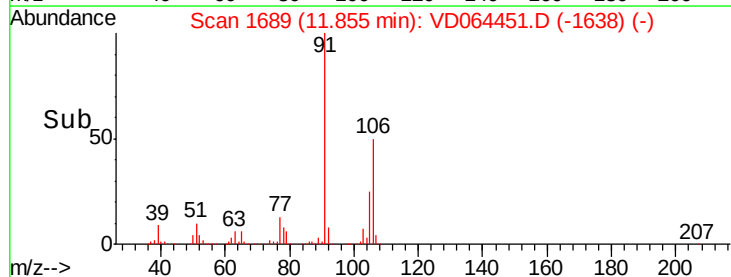
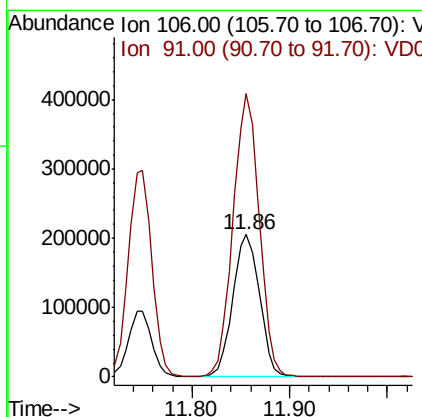
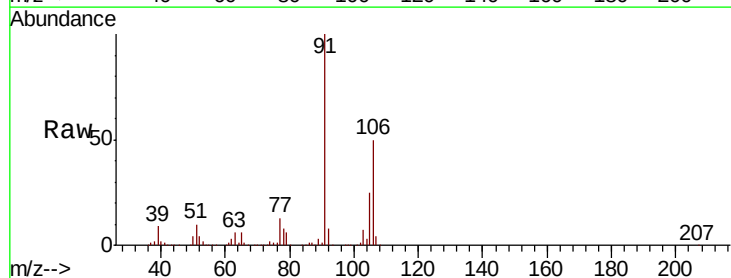
Instrument :  
MSVOA\_D  
ClientSampleID :

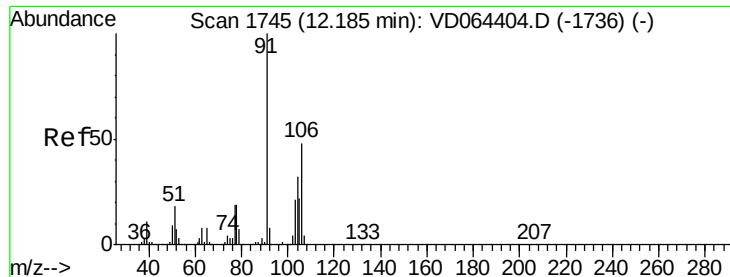
Tot Ion: 91 Resp: 507313  
Ion Ratio Lower Upper  
91 100  
106 31.5 25.8 38.8



#68  
m/p-Xylenes  
Concen: 43.058 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 106 Resp: 391625  
Ion Ratio Lower Upper  
106 100  
91 194.9 157.4 236.2

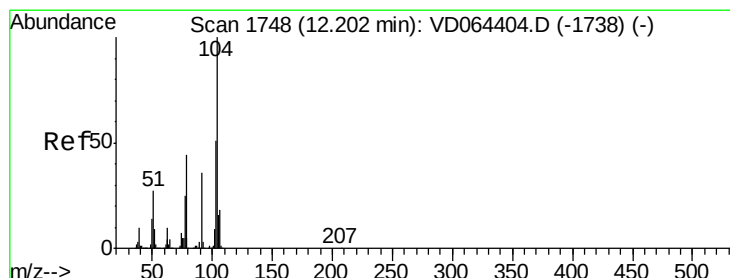
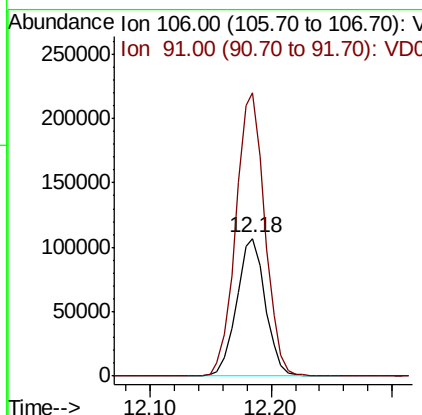
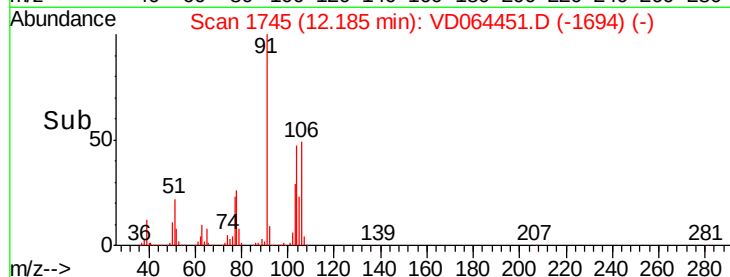
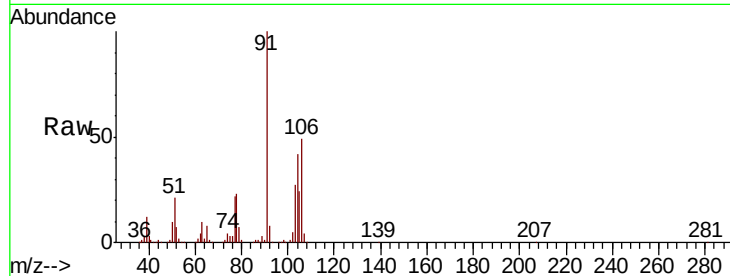




#69  
o-Xylene  
Concen: 21.093 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

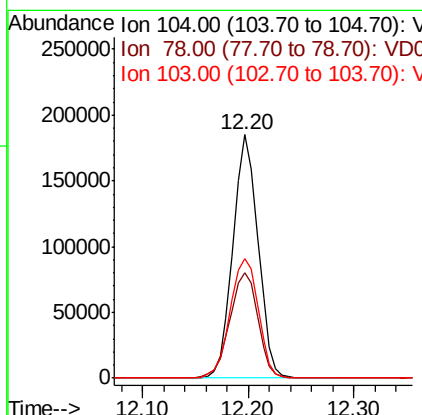
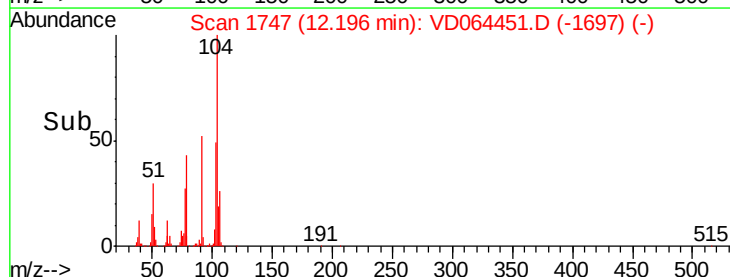
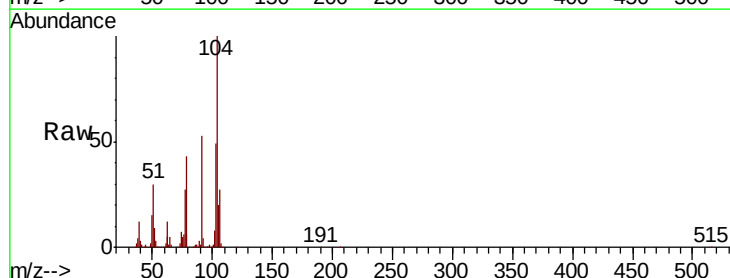
Instrument :  
MSVOA\_D  
ClientSampled :

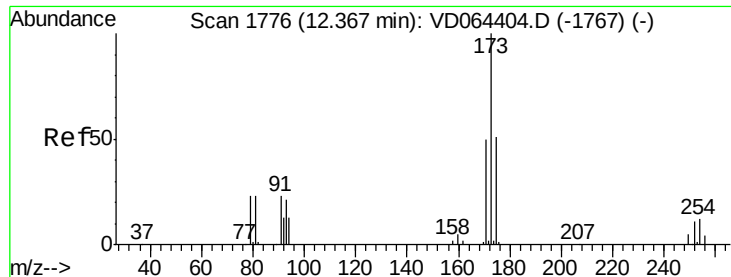
Tot Ion:106 Resp: 177184  
Ion Ratio Lower Upper  
106 100  
91 207.6 103.8 311.4



#70  
Styrene  
Concen: 20.763 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion:104 Resp: 303074  
Ion Ratio Lower Upper  
104 100  
78 48.5 38.8 58.2  
103 55.2 44.2 66.4





#71

Bromoform

Concen: 19.352 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampleId :

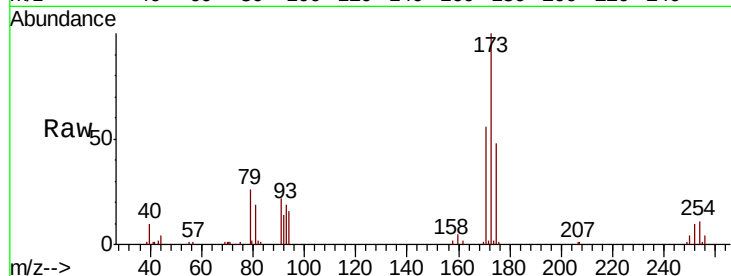
Tot Ion:173 Resp: 57463

Ion Ratio Lower Upper

173 100

175 51.3 25.3 75.8

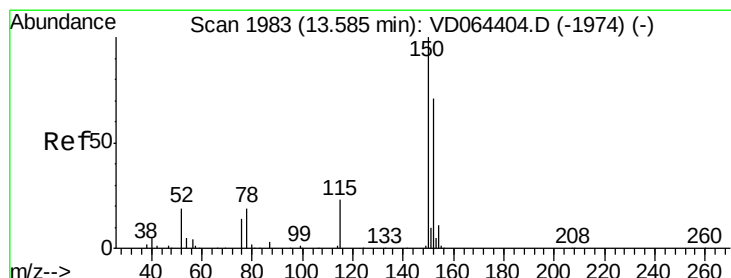
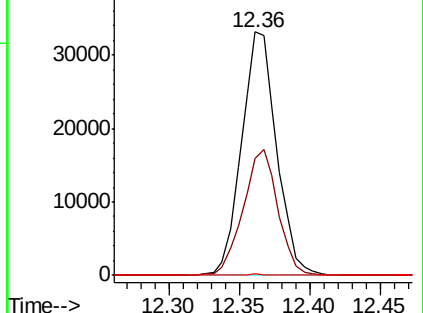
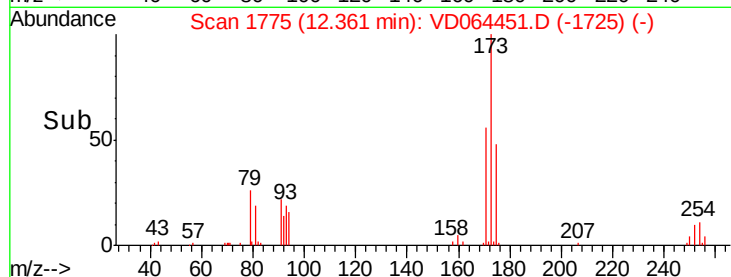
254 0.1 0.0 0.0#



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. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

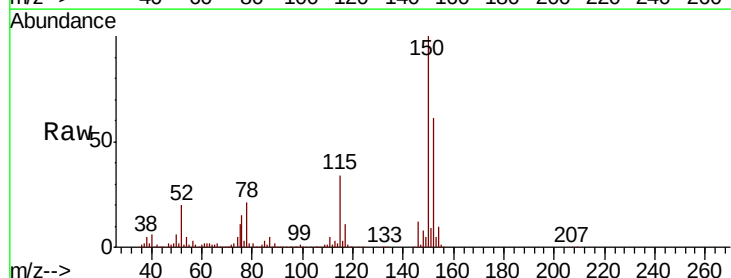
Tgt Ion:152 Resp: 313083

Ion Ratio Lower Upper

152 100

115 54.3 26.7 80.1

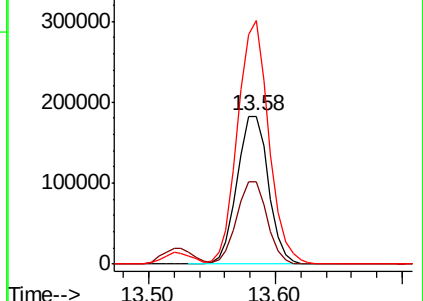
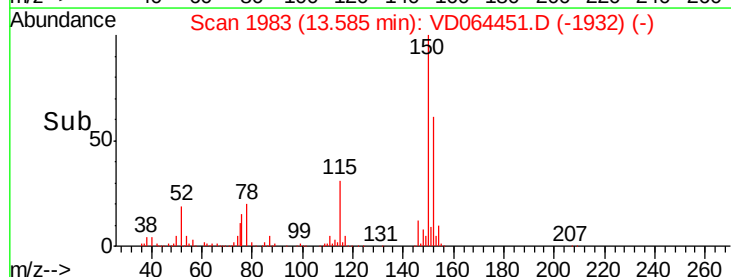
150 163.6 0.0 347.2



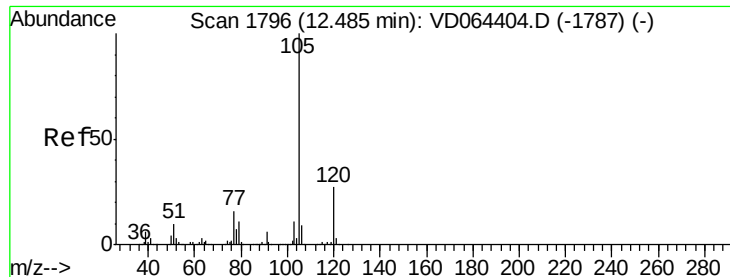
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 21.285 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

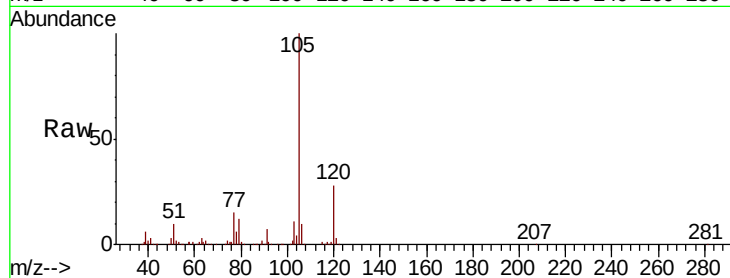
ClientSampleId :

Tot Ion:105 Resp: 479284

Ion Ratio Lower Upper

105 100

120 27.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

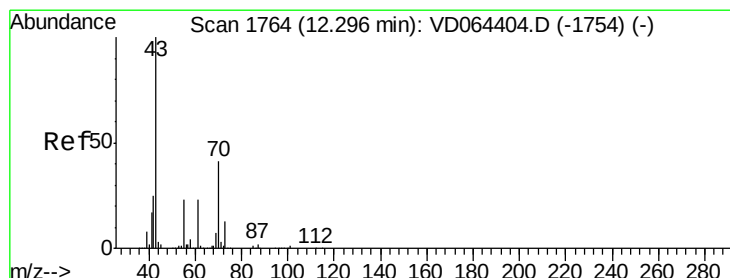
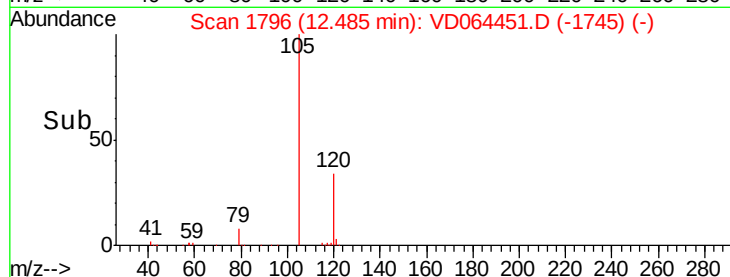
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.240 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Tgt Ion: 43 Resp: 98327

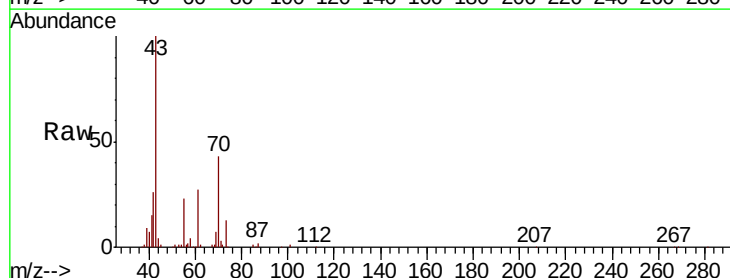
Ion Ratio Lower Upper

43 100

70 43.1 33.4 50.2

55 23.2 18.9 28.3

61 25.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

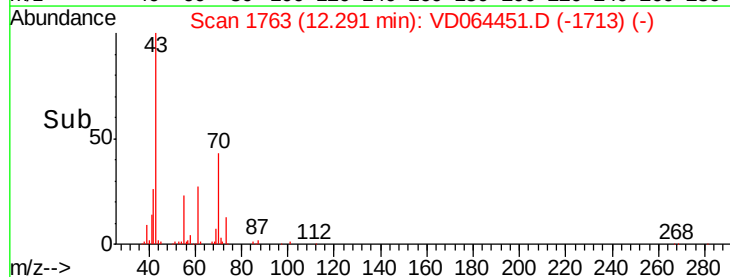
60000

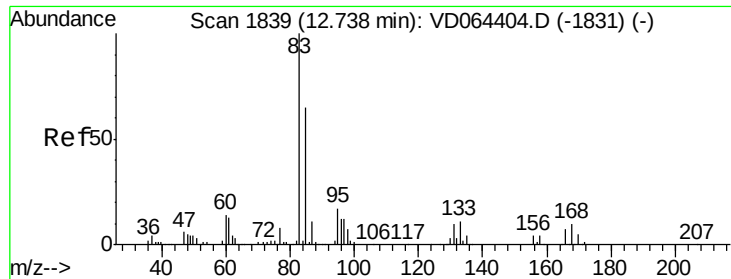
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.697 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampleId :

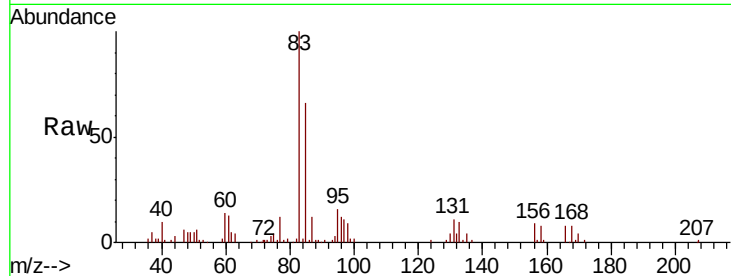
Tot Ion: 83 Resp: 73346

Ion Ratio Lower Upper

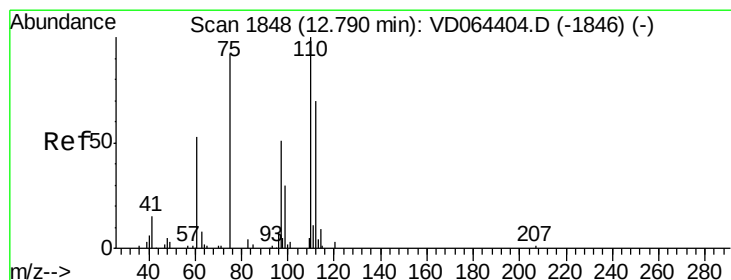
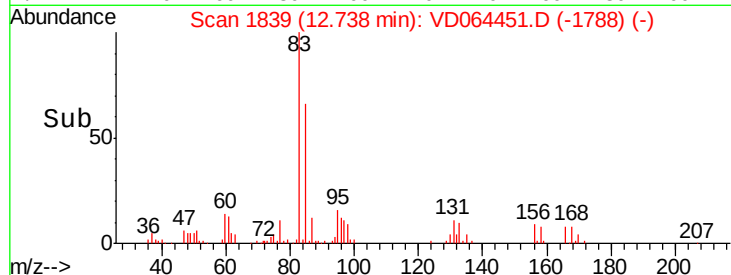
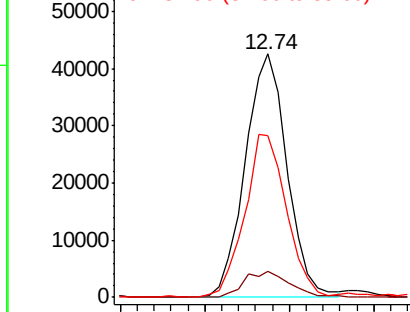
83 100

131 11.8 5.7 17.0

85 66.5 31.3 93.9



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: 37.039 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064451.D

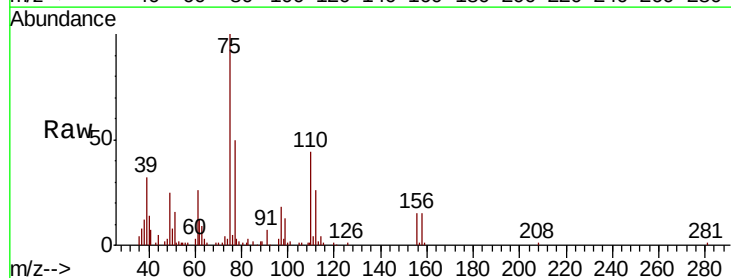
Acq: 06 Dec 2019 11:38

Tgt Ion: 75 Resp: 95364

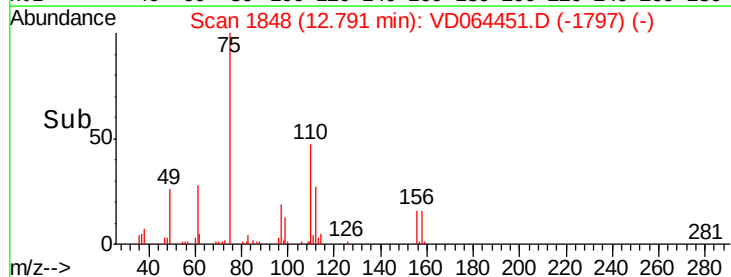
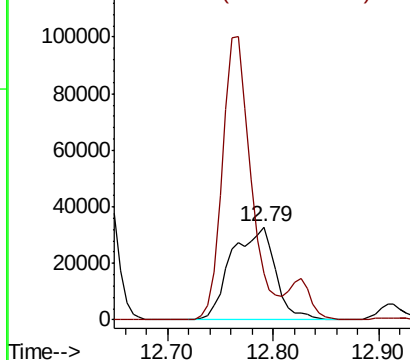
Ion Ratio Lower Upper

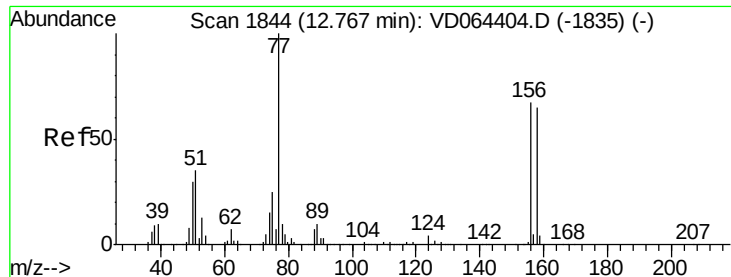
75 100

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: 21.545 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampleId :

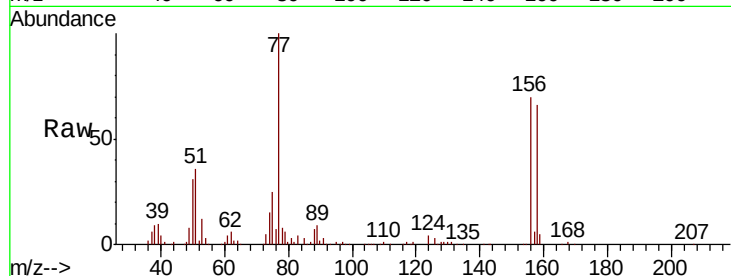
Tot Ion:156 Resp: 119801

Ion Ratio Lower Upper

156 100

77 158.4 80.0 240.2

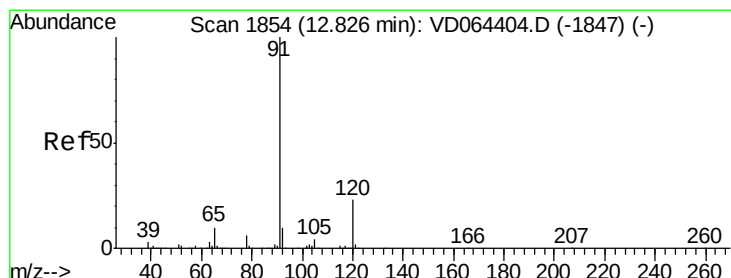
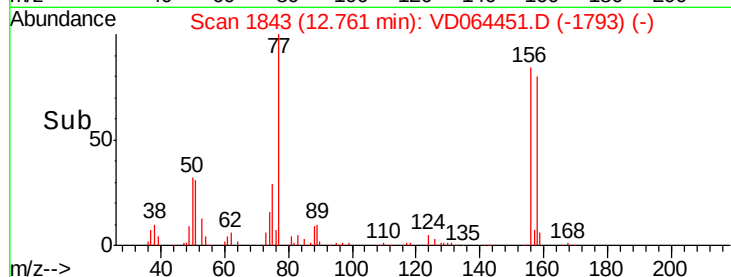
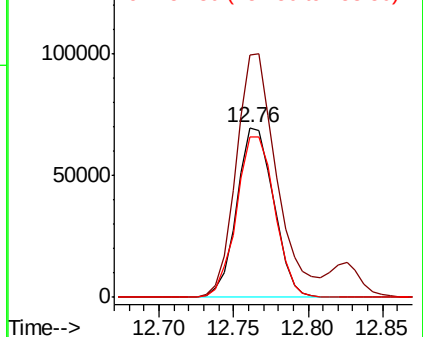
158 97.7 48.9 146.6



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: 21.773 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064451.D

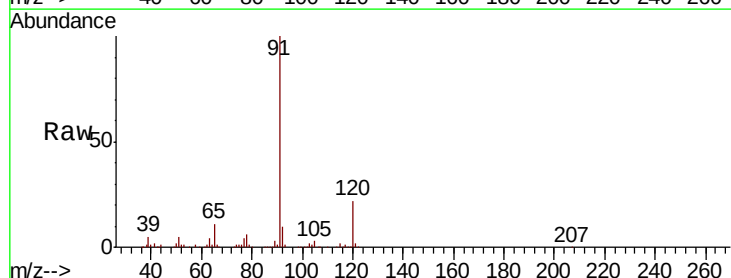
Acq: 06 Dec 2019 11:38

Tgt Ion: 91 Resp: 565664

Ion Ratio Lower Upper

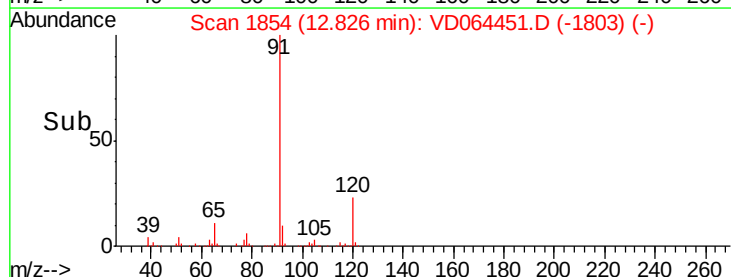
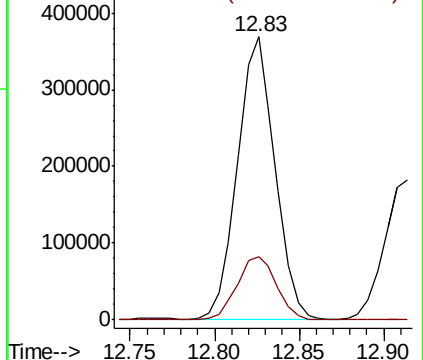
91 100

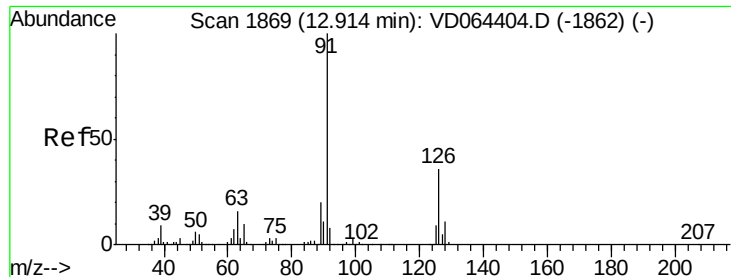
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.438 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

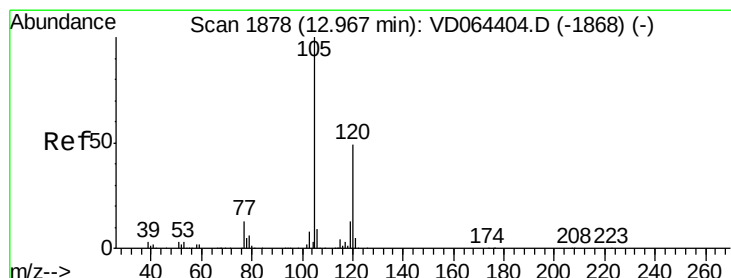
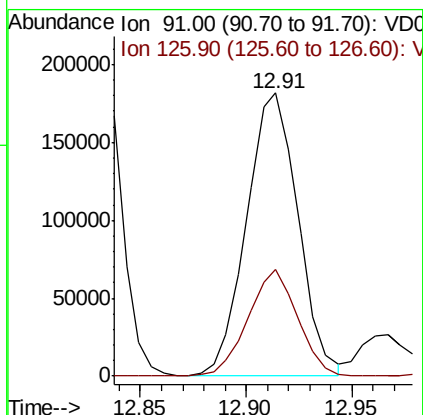
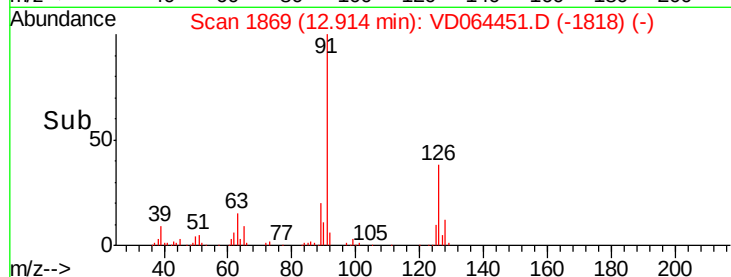
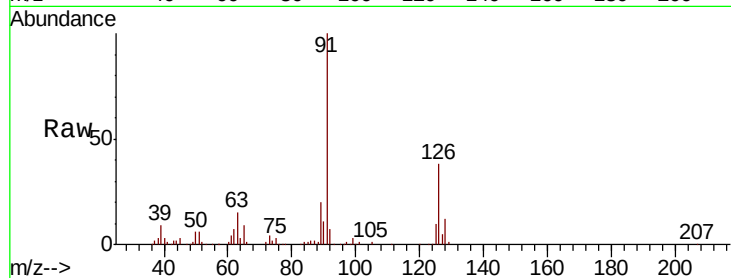
ClientSampleId :

Tot Ion: 91 Resp: 306465

Ion Ratio Lower Upper

91 100

126 36.3 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 21.704 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064451.D

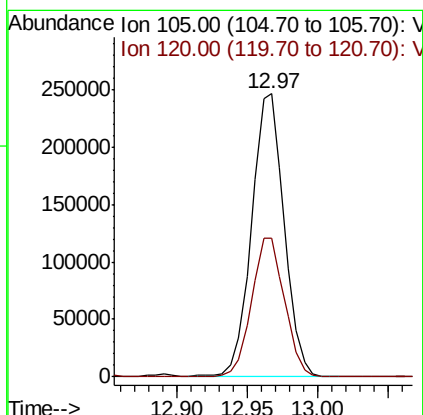
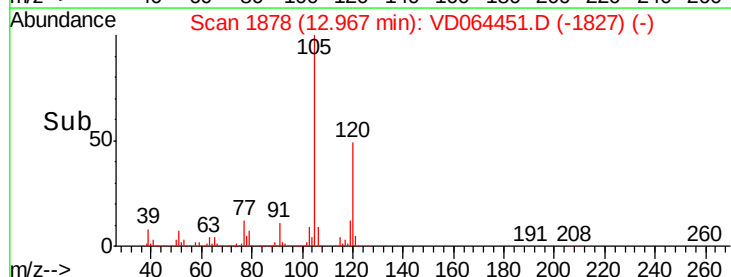
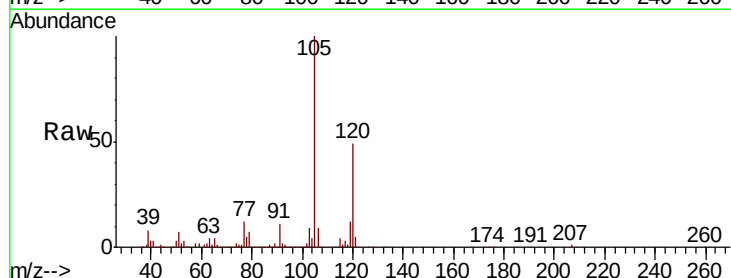
Acq: 06 Dec 2019 11:38

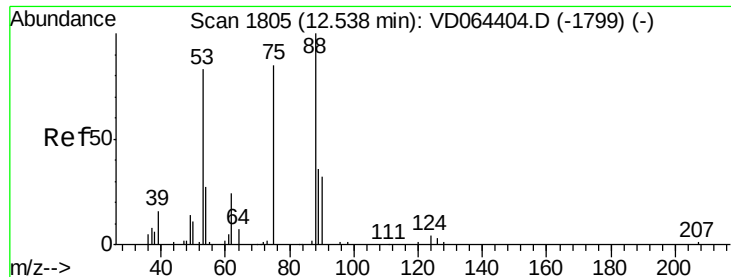
Tgt Ion: 105 Resp: 399376

Ion Ratio Lower Upper

105 100

120 49.8 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 20.699 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampleId :

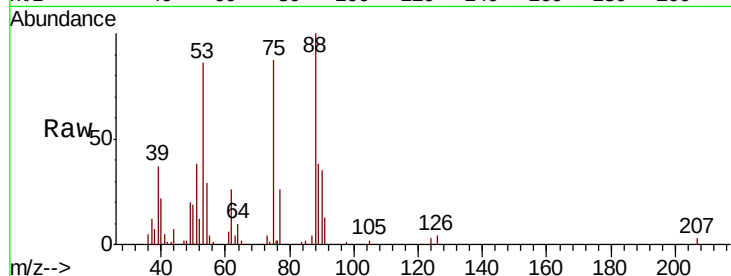
Tot Ion: 75 Resp: 24441

Ion Ratio Lower Upper

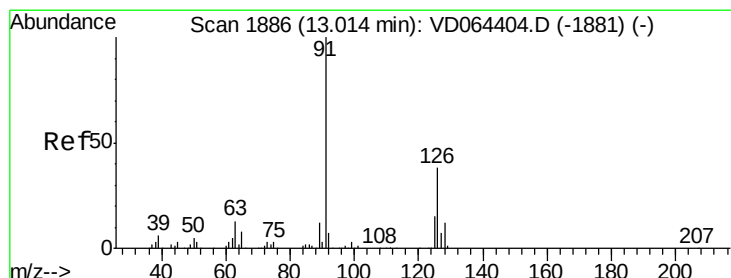
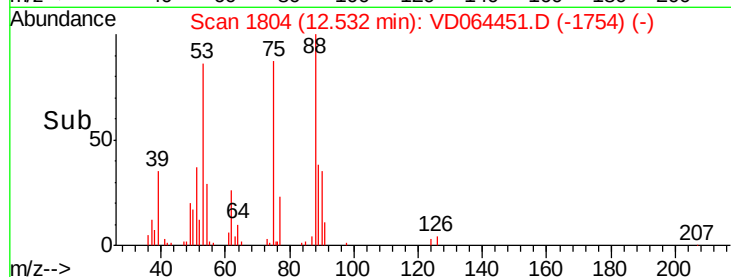
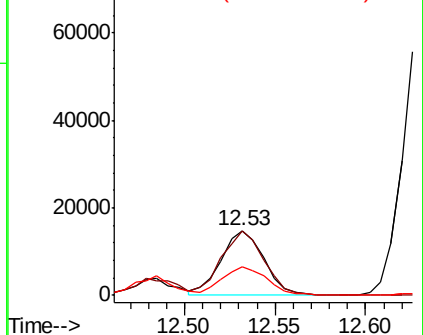
75 100

53 98.8 81.0 121.6

89 45.8 38.5 57.7



Abundance Ion 74.90 (74.60 to 75.60): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.315 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064451.D

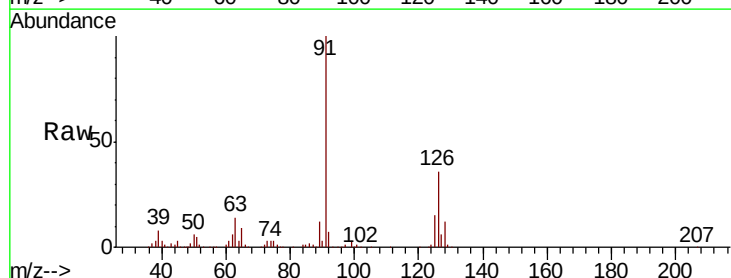
Acq: 06 Dec 2019 11:38

Tgt Ion: 91 Resp: 322625

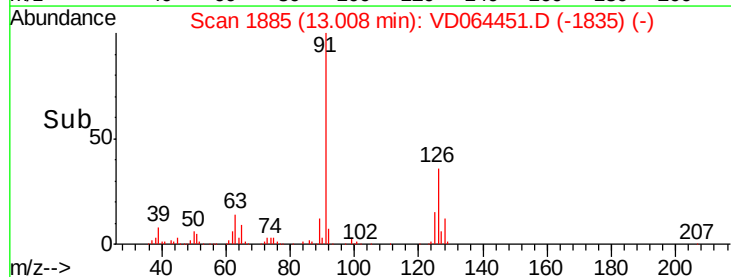
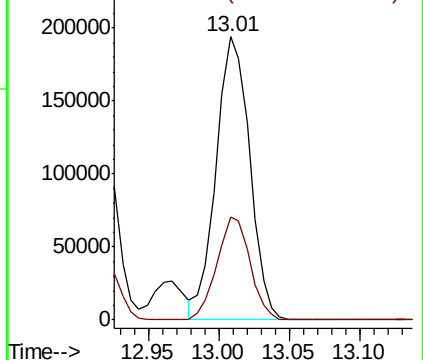
Ion Ratio Lower Upper

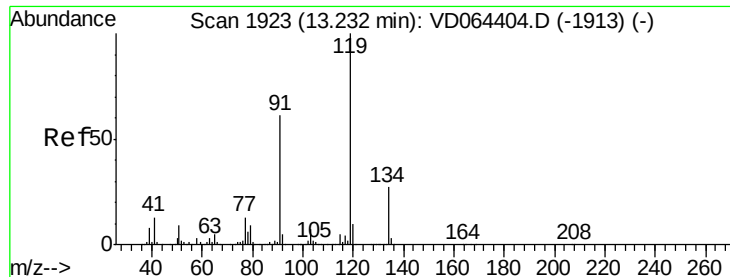
91 100

126 35.9 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.736 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampled :

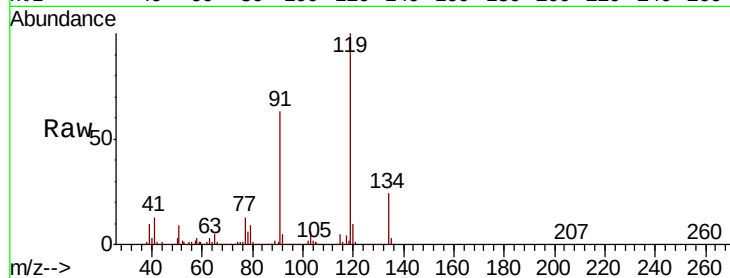
Tot Ion:119 Resp: 347716

Ion Ratio Lower Upper

119 100

91 61.1 31.2 93.6

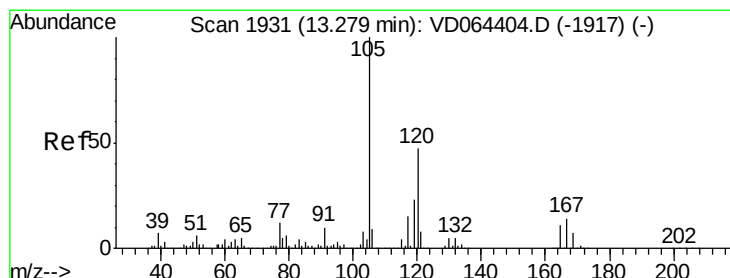
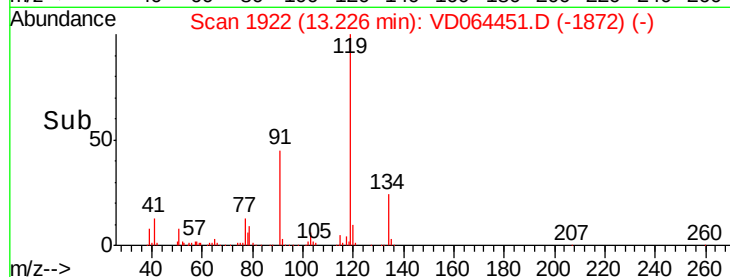
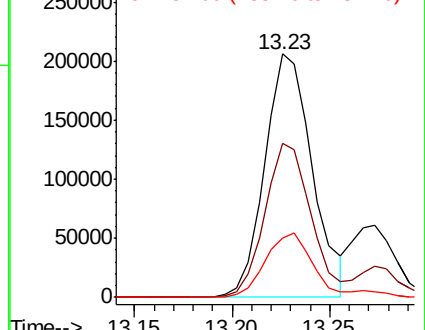
134 26.1 13.9 41.7



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: 20.837 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.01 min

Lab File: VD064451.D

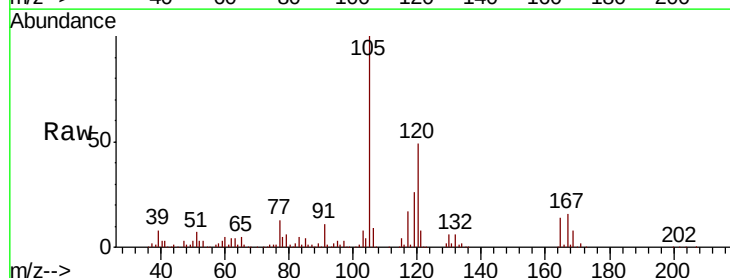
Acq: 06 Dec 2019 11:38

Tgt Ion:105 Resp: 385544

Ion Ratio Lower Upper

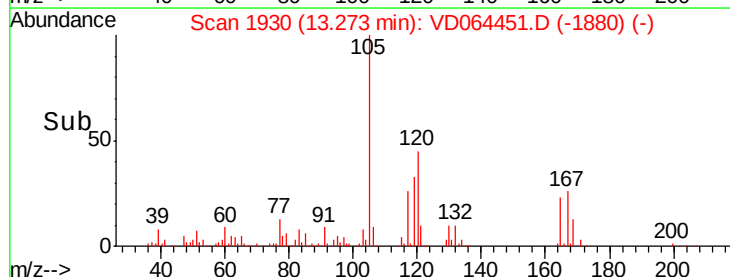
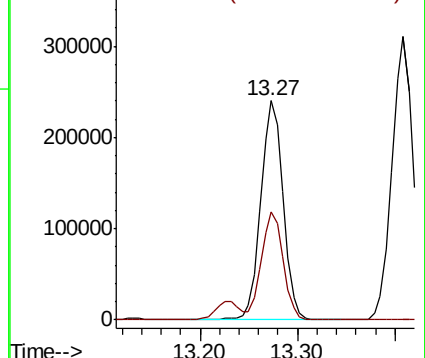
105 100

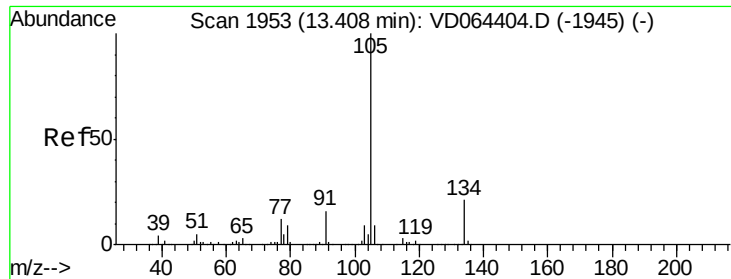
120 47.6 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.539 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

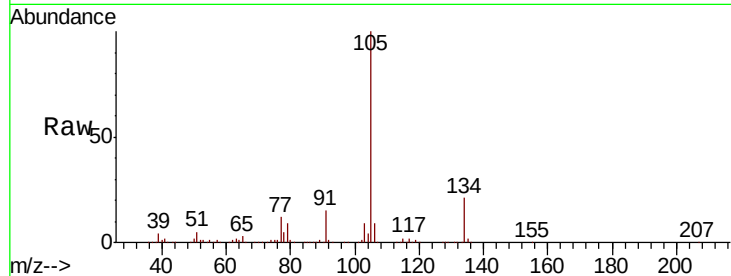
ClientSampleId :

Tot Ion:105 Resp: 472903

Ion Ratio Lower Upper

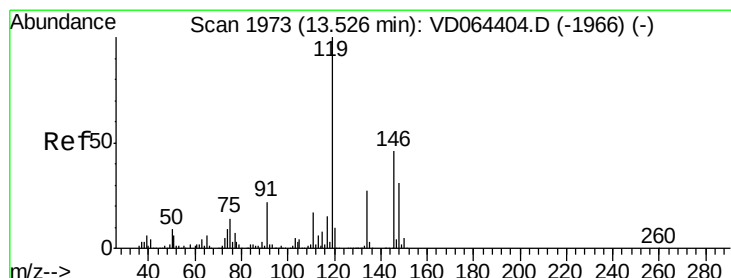
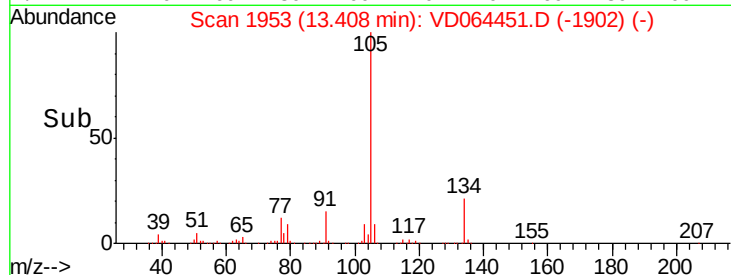
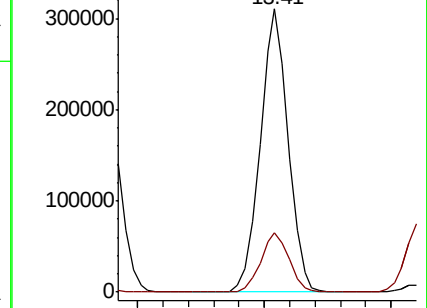
105 100

134 21.3 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.143 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

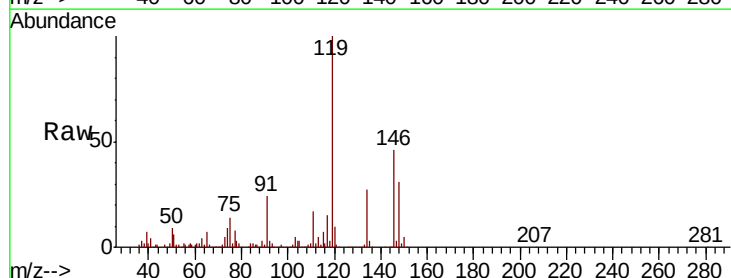
Tgt Ion:119 Resp: 438273

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

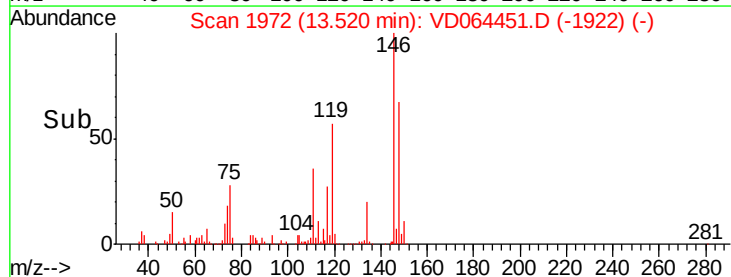
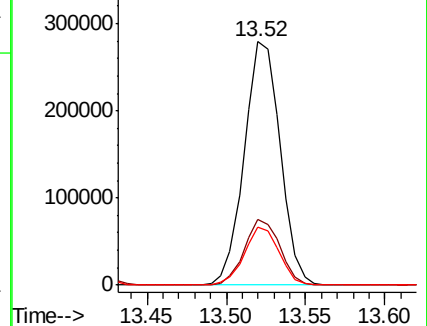
91 23.3 11.2 33.5

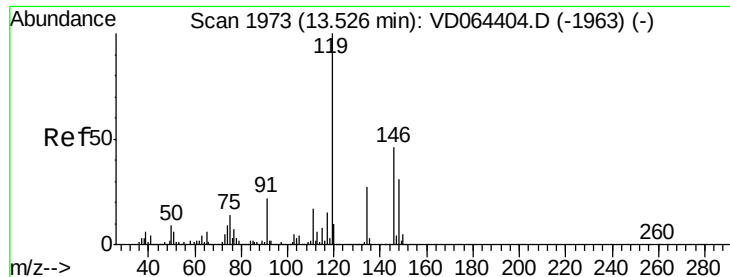


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

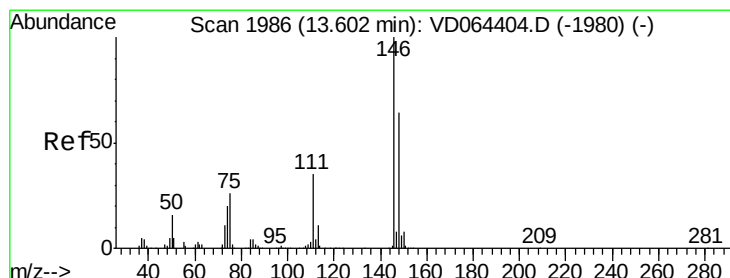
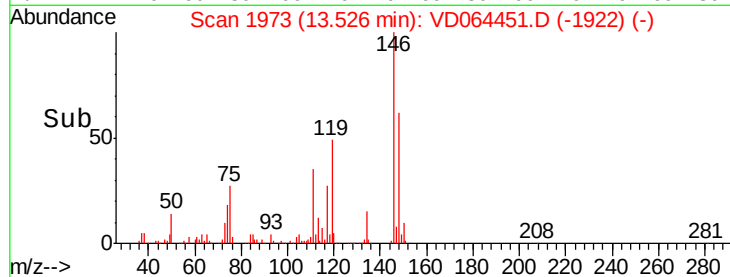
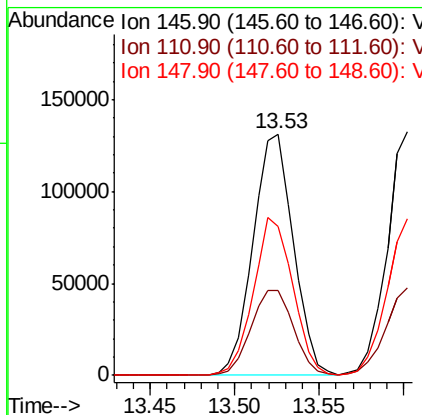
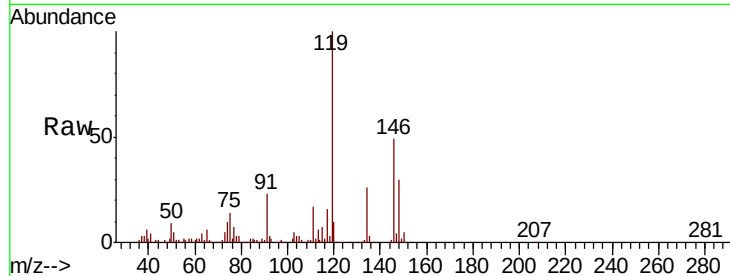




#87  
 1,3-Dichlorobenzene  
 Concen: 20.579 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

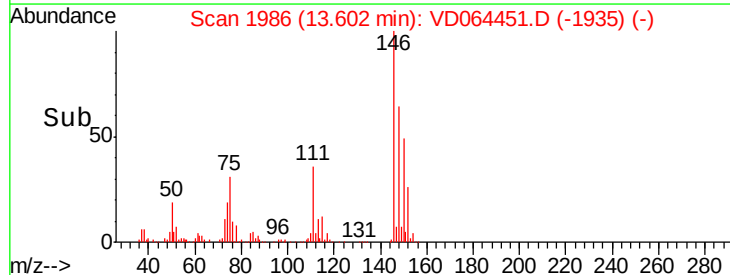
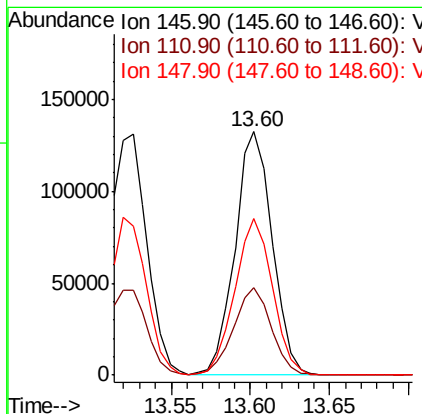
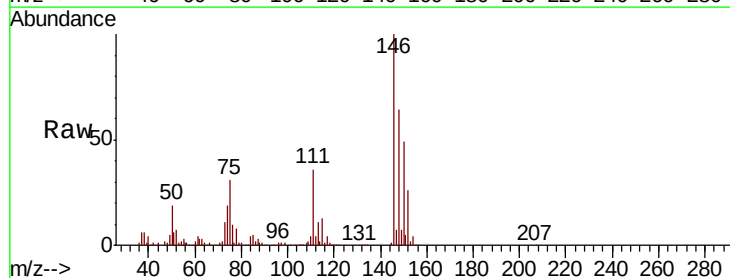
Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.3  | 18.8  | 56.4  |
| 148     | 64.1  | 32.6  | 97.8  |

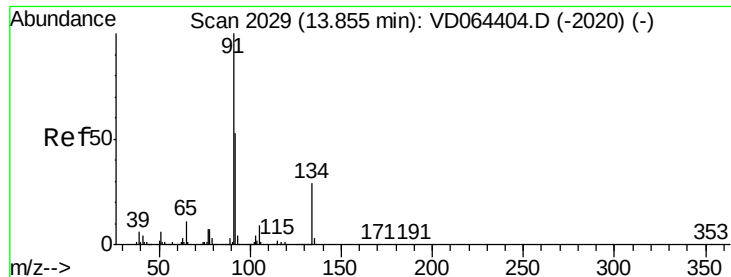


#88  
 1,4-Dichlorobenzene  
 Concen: 20.696 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.5  | 18.2  | 54.6  |
| 148     | 65.1  | 31.8  | 95.4  |



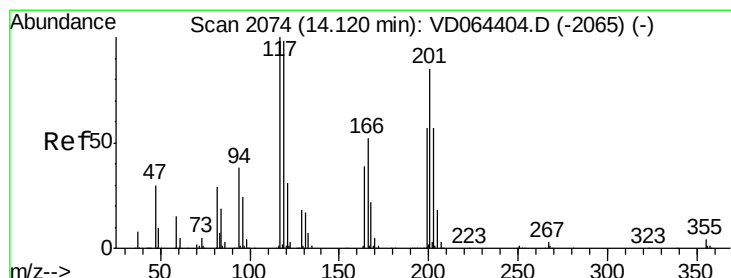
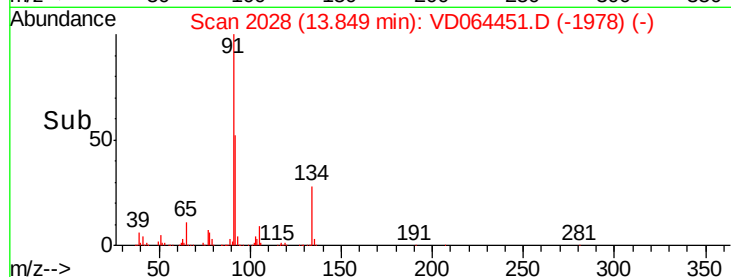
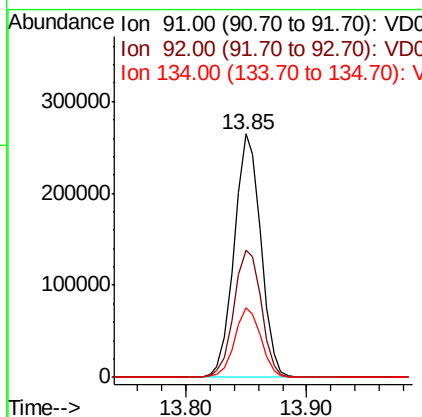
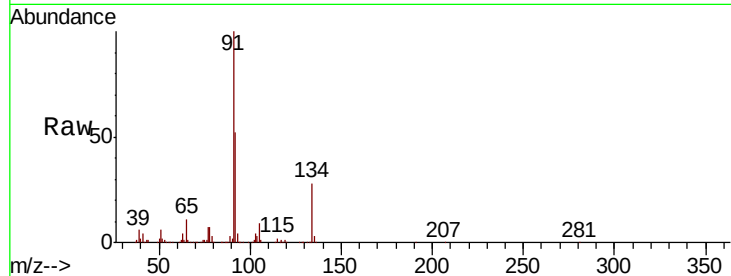




#89  
n-Butylbenzene  
Concen: 21.568 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

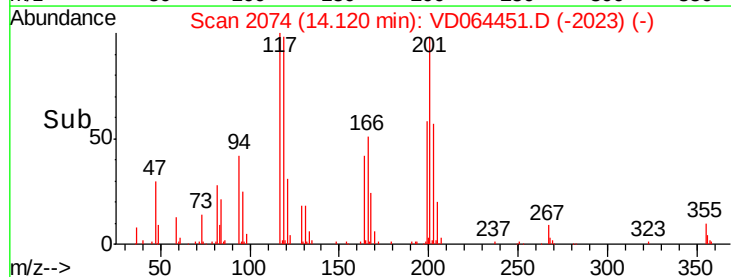
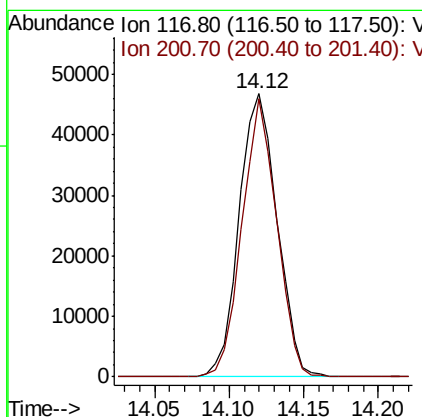
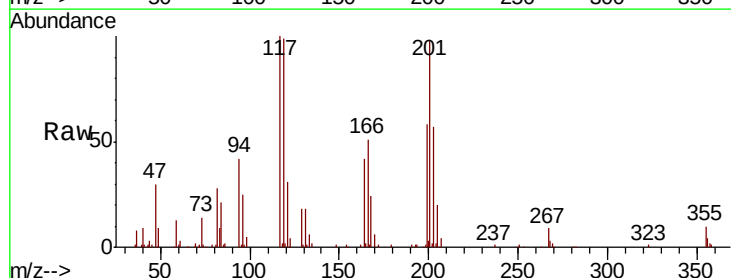
Instrument :  
MSVOA\_D  
ClientSampleId :

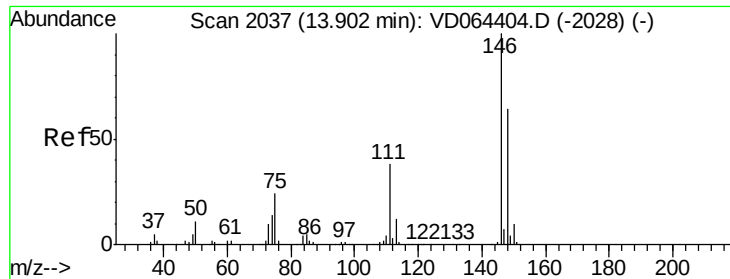
Tot Ion: 91 Resp: 406001  
Ion Ratio Lower Upper  
91 100  
92 53.9 26.5 79.4  
134 28.2 13.9 41.7



#90  
Hexachloroethane  
Concen: 21.302 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion: 117 Resp: 82587  
Ion Ratio Lower Upper  
117 100  
201 89.1 44.3 132.8





#91

1,2-Dichlorobenzene

Concen: 20.724 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA\_D

ClientSampled :

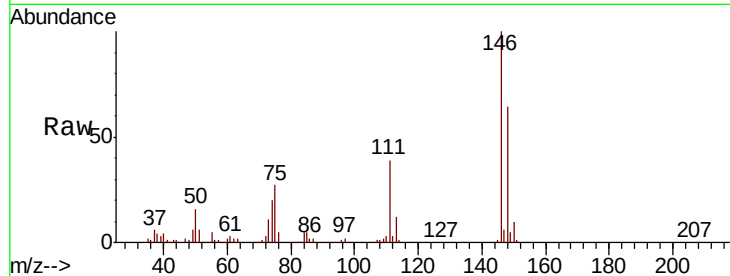
Tot Ion:146 Resp: 186921

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.3

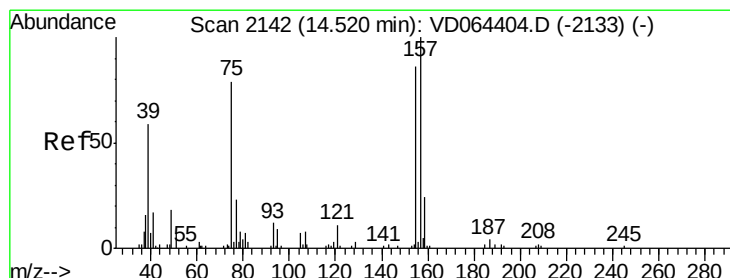
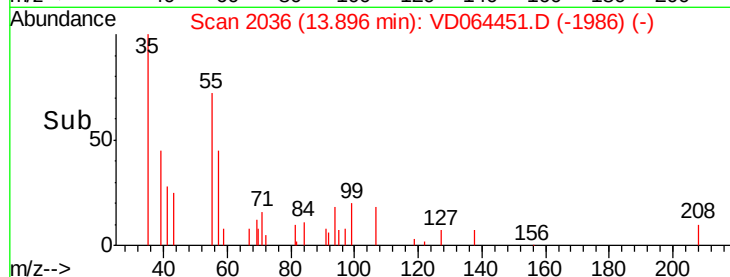
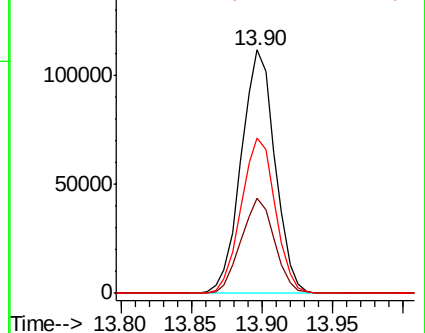
148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.626 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

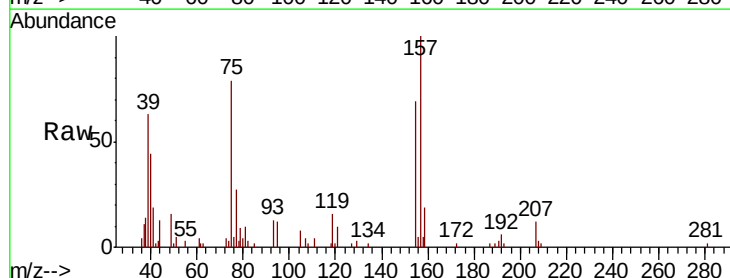
Tgt Ion: 75 Resp: 11893

Ion Ratio Lower Upper

75 100

155 93.5 51.9 155.7

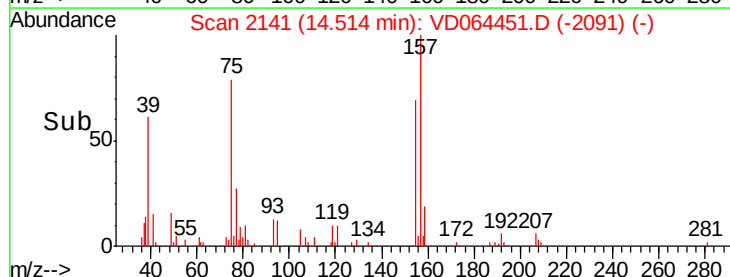
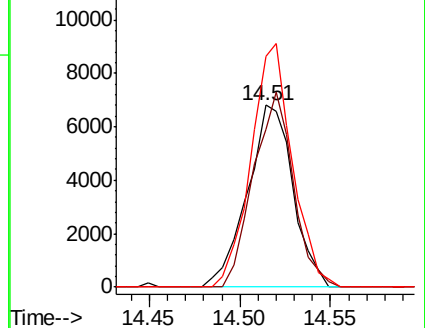
157 120.9 63.2 189.8

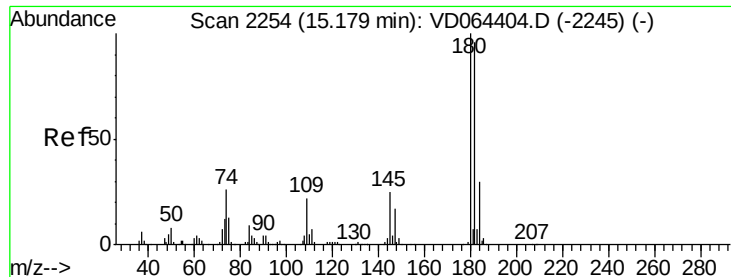


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

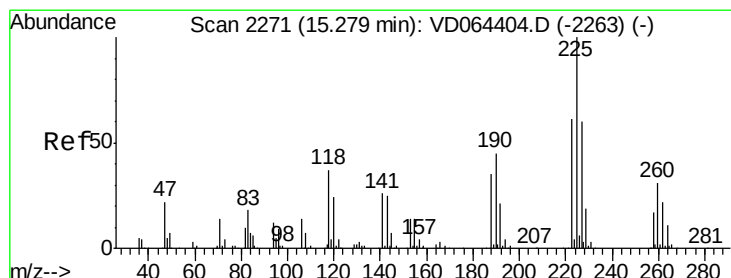
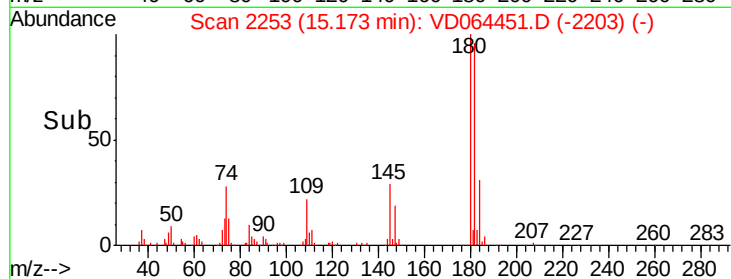
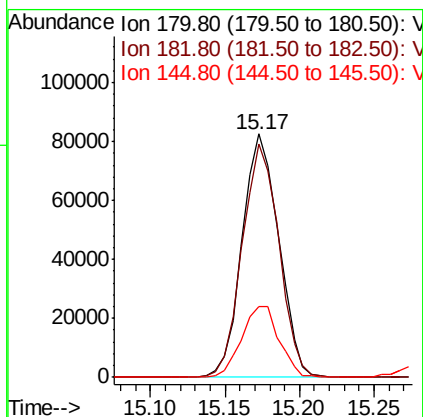
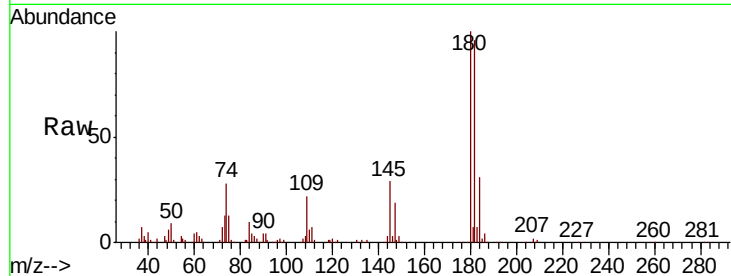




#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.268 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.01 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

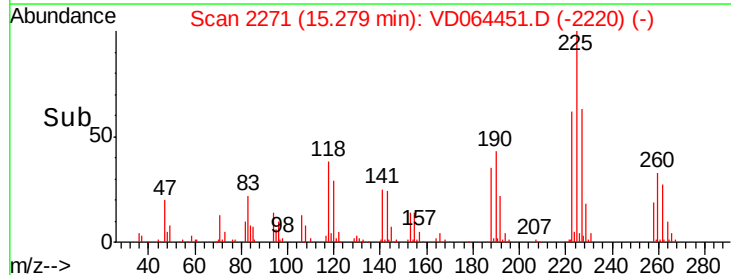
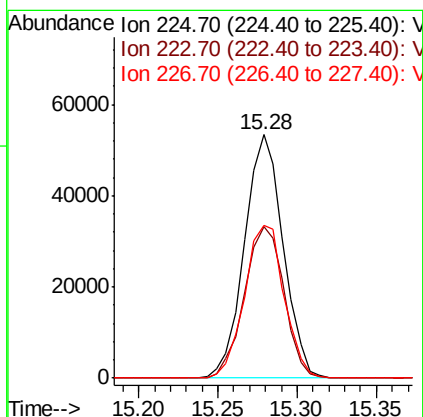
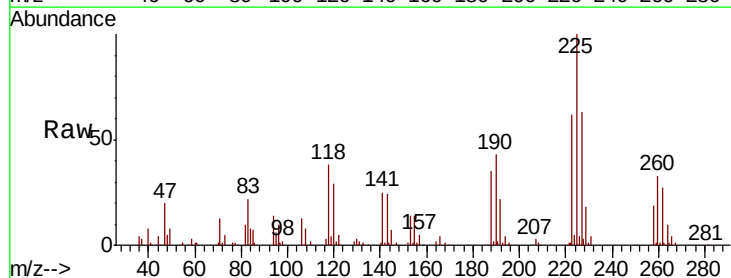
Instrument :  
 MSVOA\_D  
 ClientSampleID :

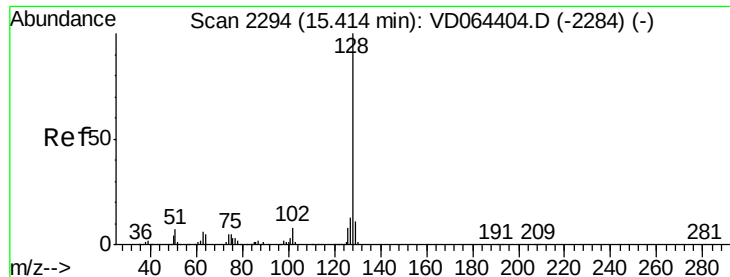
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.4  | 142.3 |
| 145     | 30.1  | 14.0  | 41.9  |



#94  
 Hexachlorobutadiene  
 Concen: 21.169 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD064451.D  
 Acq: 06 Dec 2019 11:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.9  | 31.1  | 93.3  |
| 227     | 64.8  | 31.8  | 95.4  |

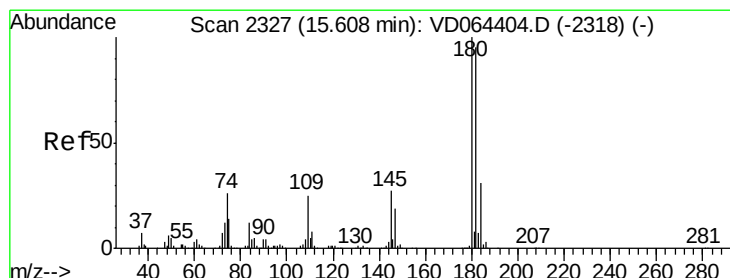
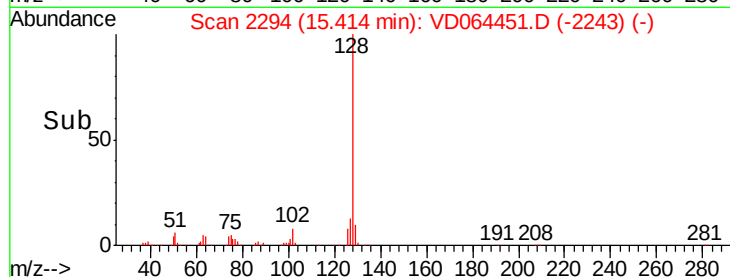
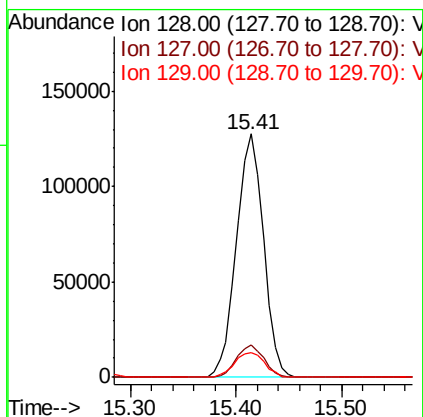
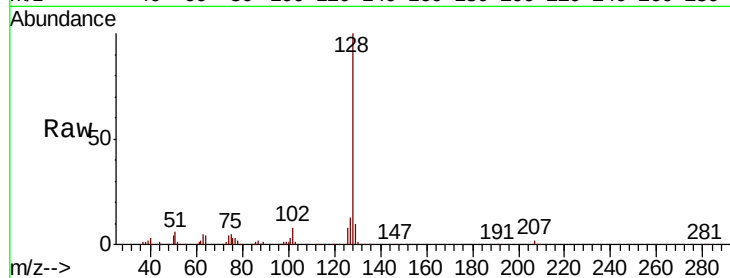




#95  
Naphthalene  
Concen: 19.684 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:128 Resp: 226913  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.5 15.7  
129 11.3 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 20.762 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. 0.00 min  
Lab File: VD064451.D  
Acq: 06 Dec 2019 11:38

Tgt Ion:180 Resp: 122422  
Ion Ratio Lower Upper  
180 100  
182 95.4 47.6 142.9  
145 29.2 14.6 43.8

