

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD121619\  
 Data File : VD064520.D  
 Acq On : 16 Dec 2019 12:43  
 Operator : VA/SY  
 Sample : VD1216SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

Quant Time: Dec 17 01:51:57 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  | 441727   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 644071   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 561606   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 286170   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.33   | 65  | 200966   | 50.26 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.52% |      |
| 35) Dibromofluoromethane    | 7.91   | 113 | 210749   | 51.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.86% |      |
| 50) Toluene-d8              | 10.34  | 98  | 792818   | 51.87 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.74% |      |
| 62) 4-Bromofluorobenzene    | 12.64  | 95  | 256019   | 52.12 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.24% |      |

| Target Compounds              |      |     |        |               | Qvalue |
|-------------------------------|------|-----|--------|---------------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 80012  | 19.991 ug/l   | 98     |
| 3) Chloromethane              | 2.21 | 50  | 102111 | 20.227 ug/l   | 98     |
| 4) Vinyl Chloride             | 2.35 | 62  | 118436 | 20.319 ug/l   | 98     |
| 5) Bromomethane               | 2.76 | 94  | 85614  | 19.862 ug/l   | 96     |
| 6) Chloroethane               | 2.92 | 64  | 81118  | 20.821 ug/l   | 98     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 206112 | 21.271 ug/l   | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 39827  | 19.780 ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 87622  | 21.090 ug/l   | 97     |
| 10) Methyl Iodide             | 4.29 | 142 | 86226  | 19.653 ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.24 | 59  | 22077  | 86.743 ug/l # | 100    |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 82284  | 20.667 ug/l   | 96     |
| 13) Acrolein                  | 3.92 | 56  | 27344  | 78.768 ug/l   | 98     |
| 14) Allyl chloride            | 4.70 | 41  | 126630 | 20.379 ug/l   | 98     |
| 15) Acrylonitrile             | 5.43 | 53  | 80484  | 91.407 ug/l   | 98     |
| 16) Acetone                   | 4.17 | 43  | 81951  | 101.428 ug/l  | 96     |
| 17) Carbon Disulfide          | 4.40 | 76  | 255365 | 20.251 ug/l   | 98     |
| 18) Methyl Acetate            | 4.72 | 43  | 43986  | 18.664 ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.49 | 73  | 177269 | 19.410 ug/l   | 92     |
| 20) Methylene Chloride        | 4.96 | 84  | 93052  | 19.998 ug/l # | 92     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 92984  | 20.646 ug/l   | 94     |
| 22) Diisopropyl ether         | 6.36 | 45  | 244118 | 19.901 ug/l   | 96     |
| 23) Vinyl Acetate             | 6.31 | 43  | 697615 | 96.468 ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 6.26 | 63  | 154883 | 20.996 ug/l   | 99     |
| 25) 2-Butanone                | 7.22 | 43  | 105162 | 92.034 ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 135864 | 21.178 ug/l   | 98     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 98793  | 20.121 ug/l   | 98     |
| 28) Bromochloromethane        | 7.54 | 49  | 41222  | 16.351 ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 66473  | 91.438 ug/l   | 98     |
| 30) Chloroform                | 7.71 | 83  | 156593 | 20.497 ug/l   | 99     |
| 31) Cyclohexane               | 7.98 | 56  | 148082 | 20.264 ug/l   | 92     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 149203 | 21.065 ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 128446 | 21.084 ug/l   | 98     |
| 37) Ethyl Acetate             | 7.30 | 43  | 46582  | 18.020 ug/l   | 97     |
| 38) Carbon Tetrachloride      | 8.09 | 117 | 133664 | 20.789 ug/l   | 96     |

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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 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          | 9.36  | 83   | 156302   | 20.683  | ug/l   | 97       |
| 40) Benzene                    | 8.35  | 78   | 346302   | 20.467  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.53  | 41   | 29528    | 19.919  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 100430   | 20.353  | ug/l   | 97       |
| 43) Isopropyl Acetate          | 8.46  | 43   | 93648    | 18.425  | ug/l   | 97       |
| 44) Trichloroethene            | 9.11  | 130  | 102172   | 20.046  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 82317    | 20.342  | ug/l   | 96       |
| 46) Dibromomethane             | 9.47  | 93   | 45903    | 20.099  | ug/l   | 98       |
| 47) Bromodichloromethane       | 9.66  | 83   | 120431   | 20.522  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.46  | 41   | 44223    | 19.015  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 9.47  | 88   | 9813     | 347.947 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 230998   | 91.855  | ug/l   | 100      |
| 52) Toluene                    | 10.40 | 92   | 222486   | 20.177  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 111850   | 19.999  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 134359   | 20.222  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 59979    | 19.179  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 73923    | 18.533  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 104292   | 19.591  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 164007   | 103.147 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.98 | 43   | 154795   | 88.708  | ug/l   | 98       |
| 60) Dibromochloromethane       | 11.14 | 129  | 81062    | 19.118  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 61009    | 19.539  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.88 | 164  | 90299    | 21.085  | ug/l   | 96       |
| 65) Chlorobenzene              | 11.67 | 112  | 240934   | 20.569  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 90672    | 20.911  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 425892   | 20.436  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 321385   | 40.445  | ug/l   | 98       |
| 69) o-Xylene                   | 12.18 | 106  | 150028   | 20.443  | ug/l   | 99       |
| 70) Styrene                    | 12.20 | 104  | 265484   | 20.817  | ug/l   | 98       |
| 71) Bromoform                  | 12.37 | 173  | 49888    | 19.230  | ug/l # | 100      |
| 73) Isopropylbenzene           | 12.48 | 105  | 407873   | 19.817  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.29 | 43   | 84726    | 18.138  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 62234    | 18.285  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 84764    | 36.018  | ug/l # | 100      |
| 77) Bromobenzene               | 12.77 | 156  | 100851   | 19.843  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.83 | 91   | 473111   | 19.923  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 261146   | 19.985  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 328972   | 19.559  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 21184    | 19.628  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 278807   | 20.152  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 13.23 | 119  | 291535   | 19.938  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 332557   | 19.664  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 400759   | 19.969  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.53 | 119  | 370297   | 19.544  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.53 | 146  | 185421   | 19.221  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 186457   | 19.578  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.86 | 91   | 343063   | 19.939  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 70139    | 19.792  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 156219   | 18.949  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.52 | 75   | 9982     | 16.711  | ug/l   | 91       |

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Sample : VD1216SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

Quant Time: Dec 17 01:51:57 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

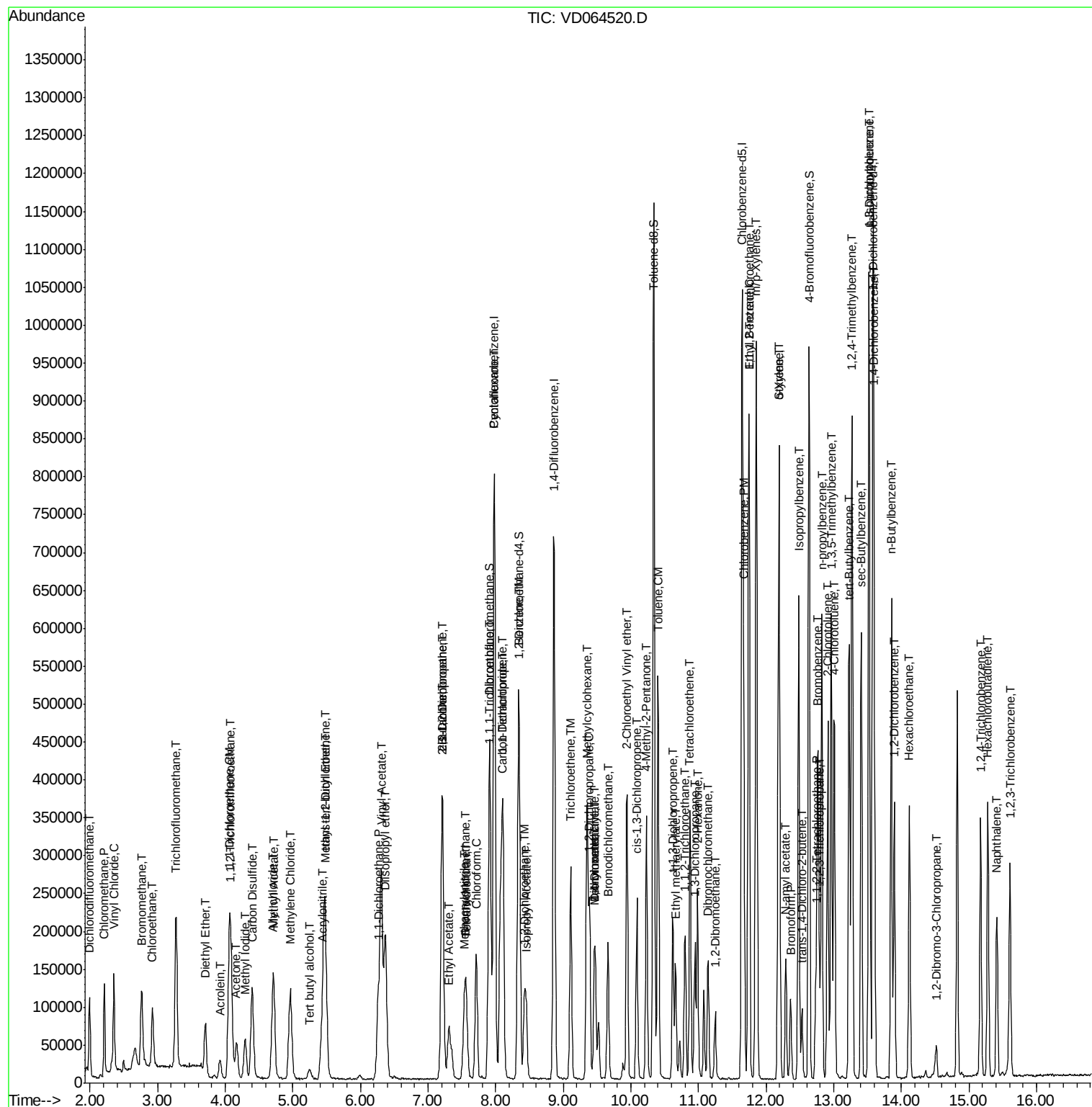
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.18 | 180  | 120999   | 19.164 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 75888    | 19.470 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 188237   | 17.865 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 103636   | 19.229 | ug/l  | 99       |

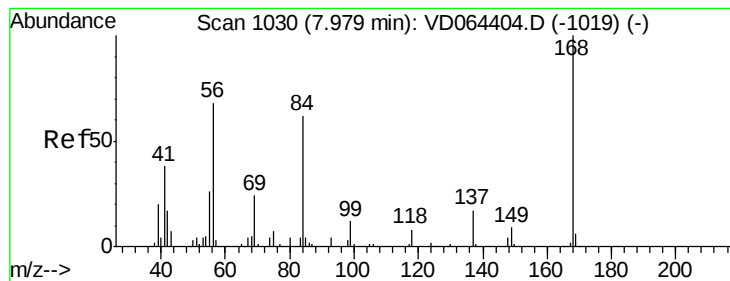
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD121619\  
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 QLast Update : Fri Nov 29 07:18:03 2019  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

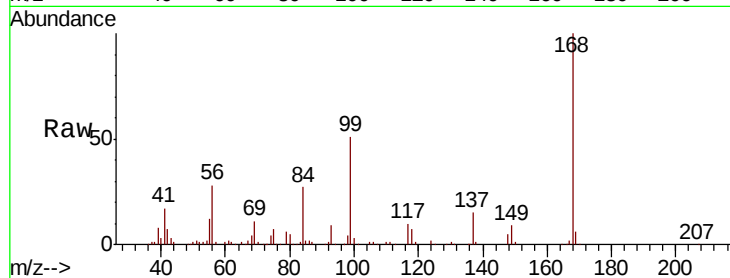
VD1216SBS01

Tgt Ion:168 Resp: 441727

Ion Ratio Lower Upper

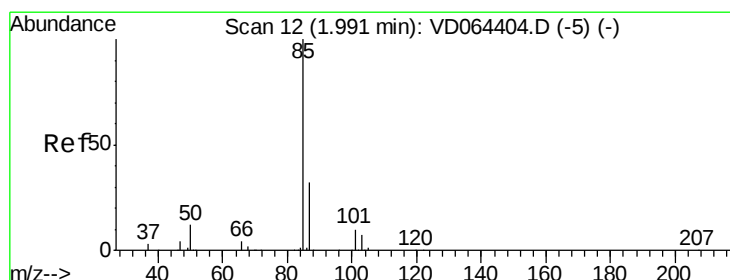
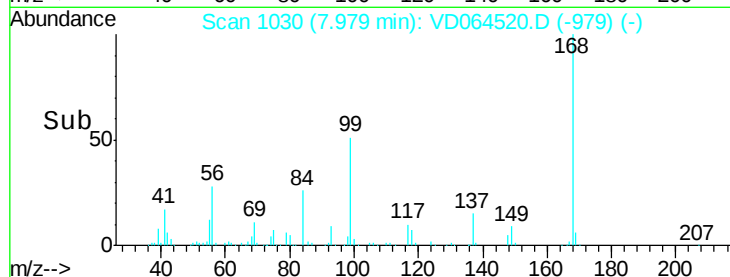
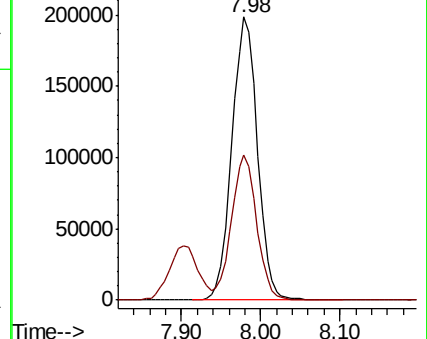
168 100

99 51.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.991 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064520.D

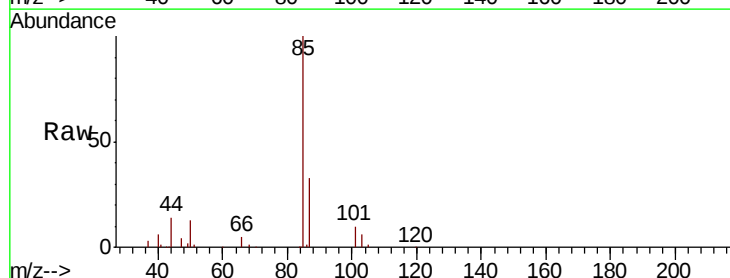
Acq: 16 Dec 2019 12:43

Tgt Ion: 85 Resp: 80012

Ion Ratio Lower Upper

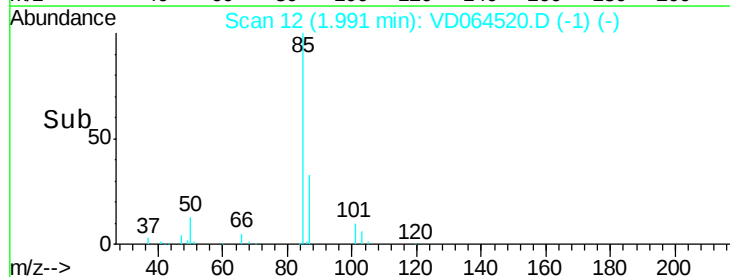
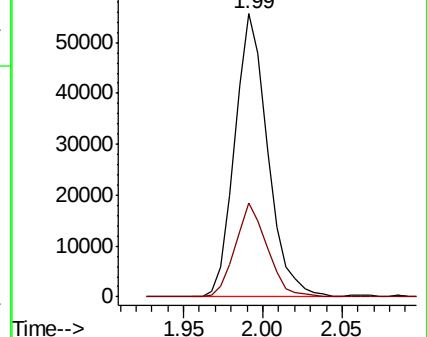
85 100

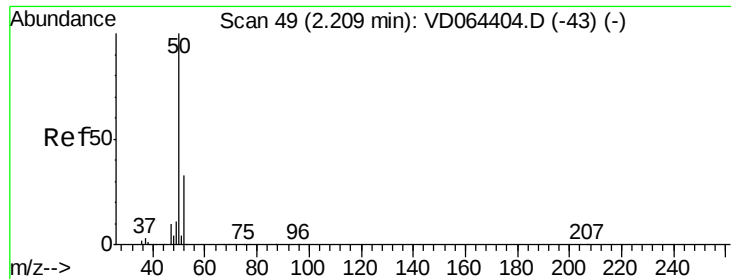
87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.227 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

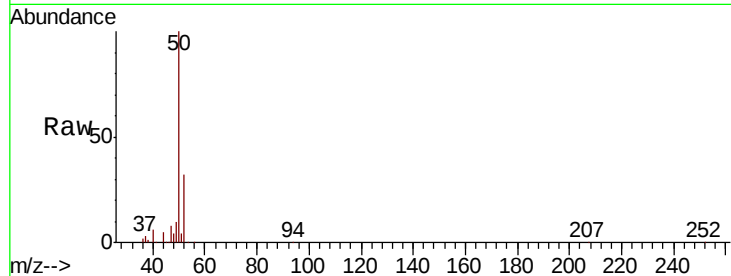
VD1216SBS01

Tgt Ion: 50 Resp: 102111

Ion Ratio Lower Upper

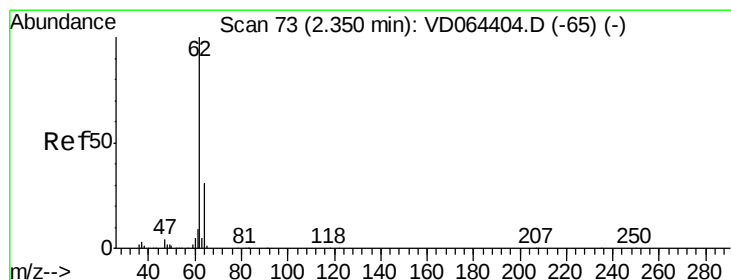
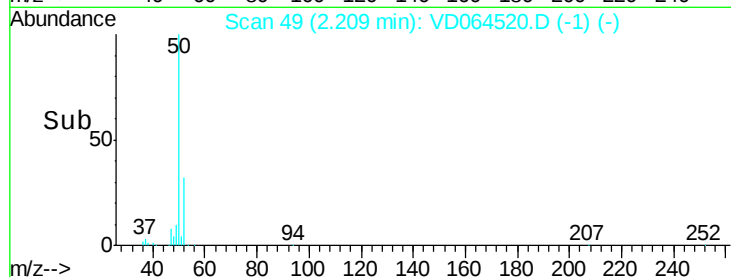
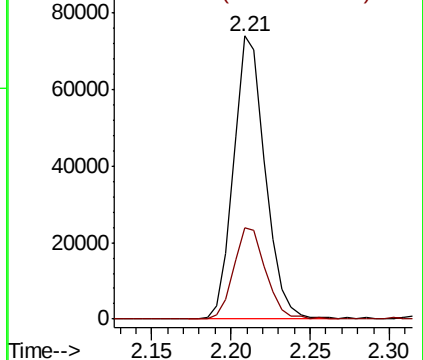
50 100

52 32.2 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: 20.319 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064520.D

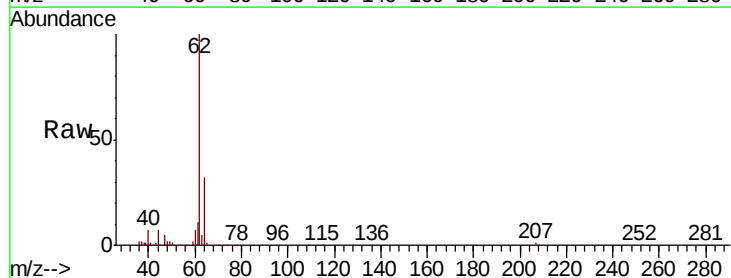
Acq: 16 Dec 2019 12:43

Tgt Ion: 62 Resp: 118436

Ion Ratio Lower Upper

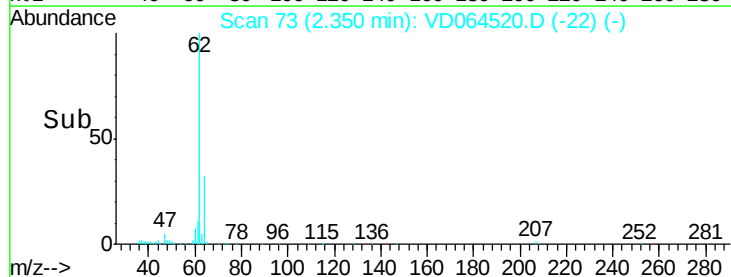
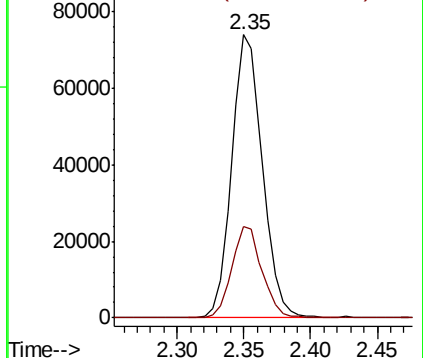
62 100

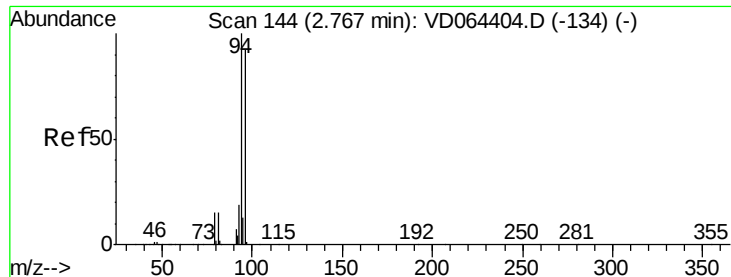
64 32.4 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.862 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

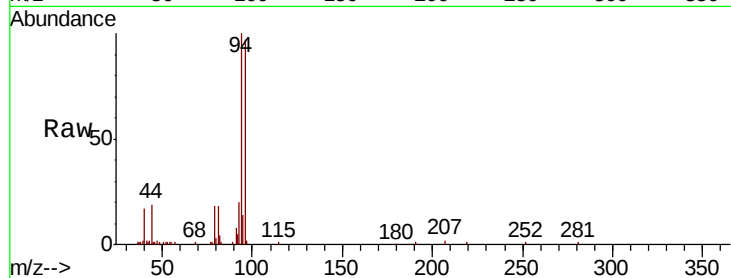
VD1216SBS01

Tgt Ion: 94 Resp: 85614

Ion Ratio Lower Upper

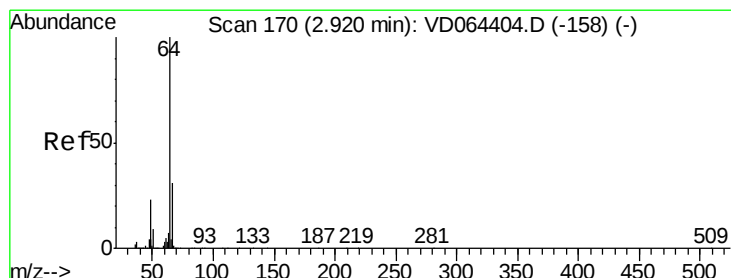
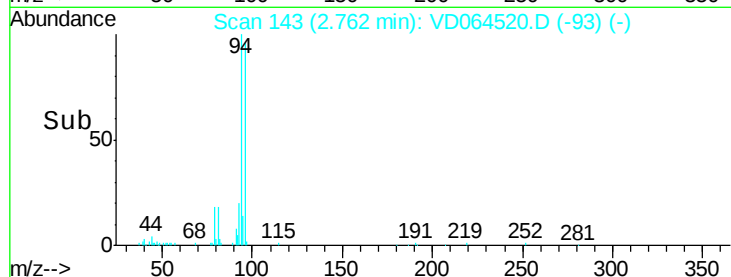
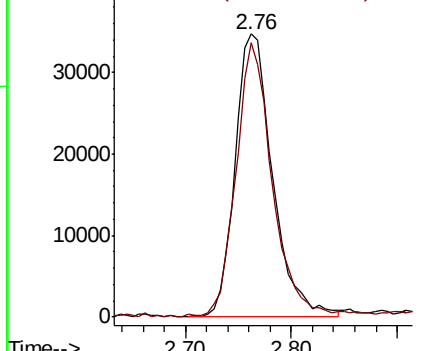
94 100

96 95.9 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: 20.821 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064520.D

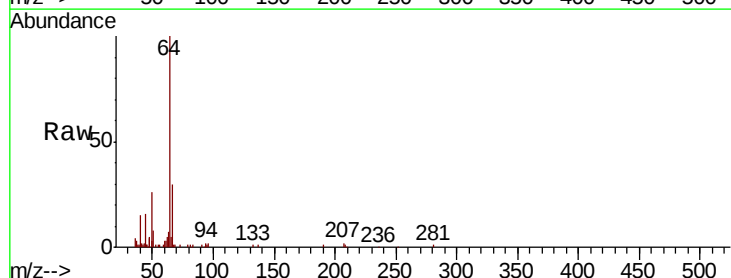
Acq: 16 Dec 2019 12:43

Tgt Ion: 64 Resp: 81118

Ion Ratio Lower Upper

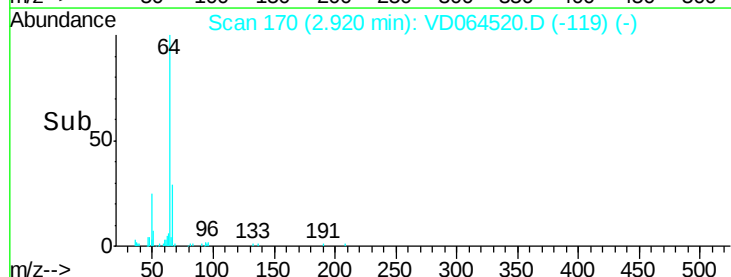
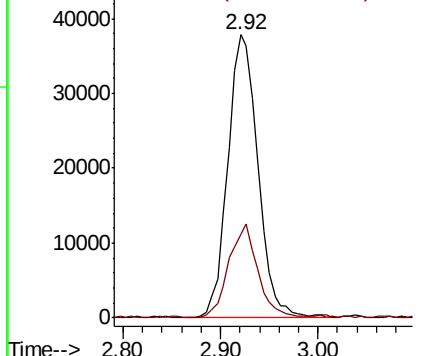
64 100

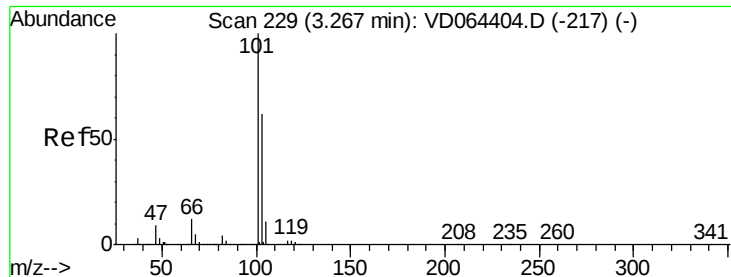
66 29.7 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.271 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

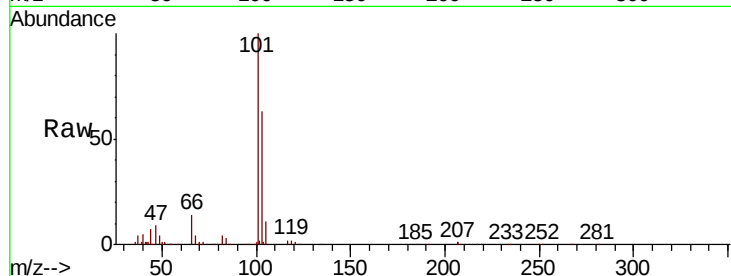
VD1216SBS01

Tgt Ion: 101 Resp: 206112

Ion Ratio Lower Upper

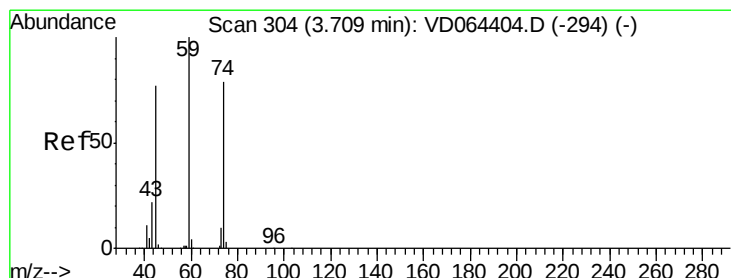
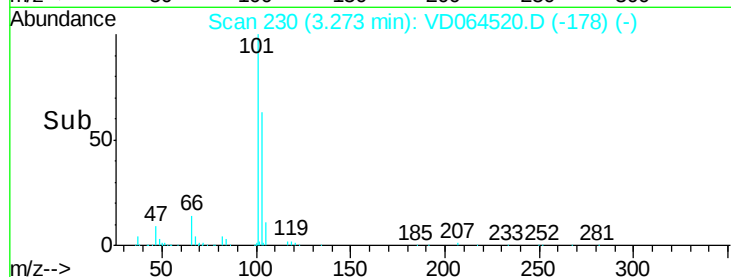
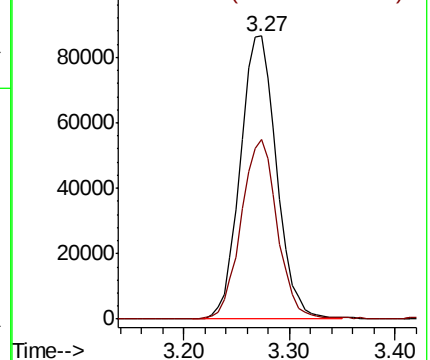
101 100

103 63.2 49.8 74.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.780 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD064520.D

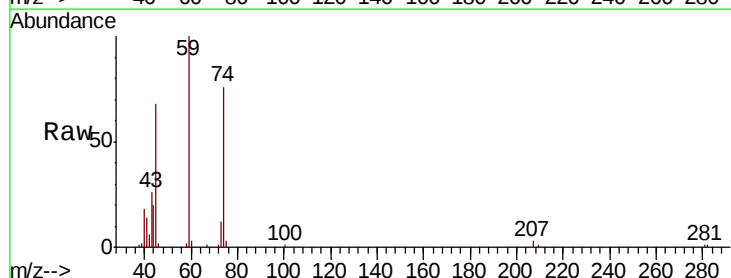
Acq: 16 Dec 2019 12:43

Tgt Ion: 74 Resp: 39827

Ion Ratio Lower Upper

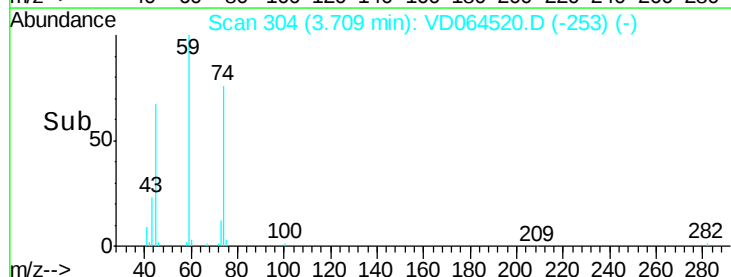
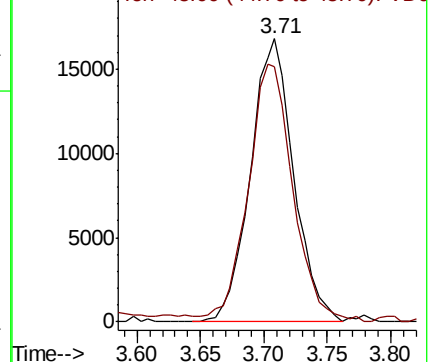
74 100

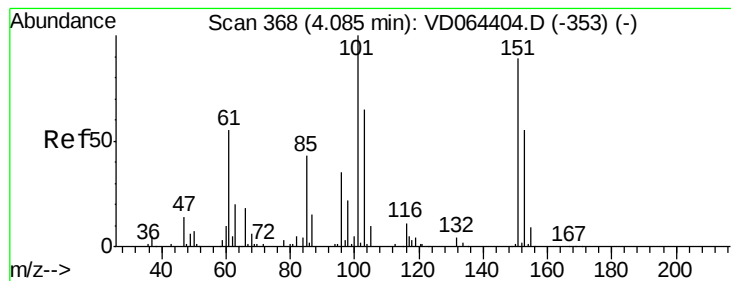
45 94.8 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.090 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

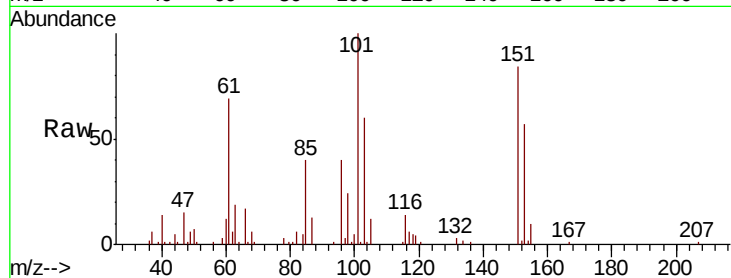
Tgt Ion:101 Resp: 87622

Ion Ratio Lower Upper

101 100

85 42.7 34.8 52.2

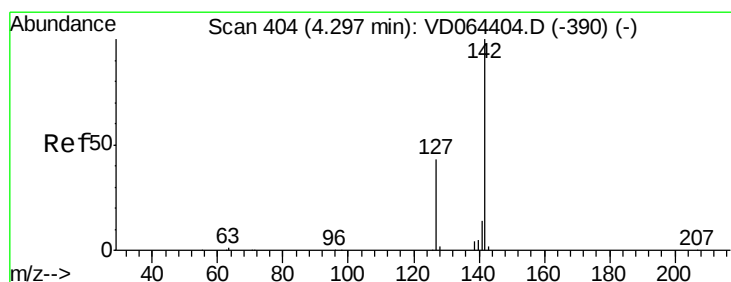
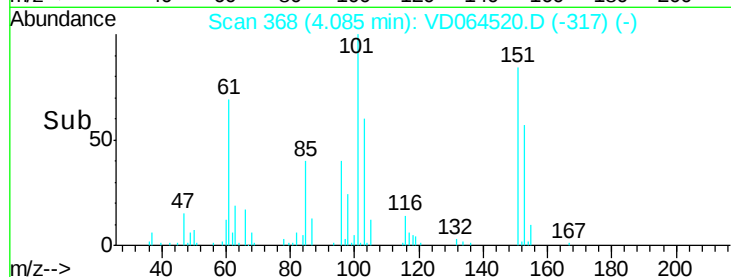
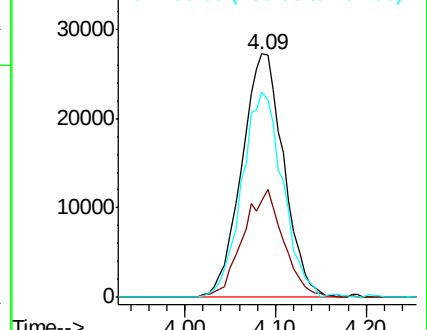
151 82.4 68.8 103.2



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: 19.653 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

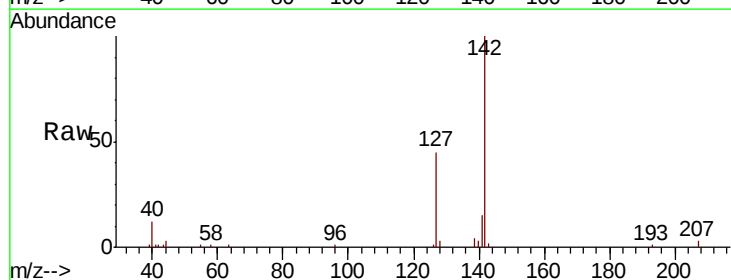
Tgt Ion:142 Resp: 86226

Ion Ratio Lower Upper

142 100

127 46.0 35.3 52.9

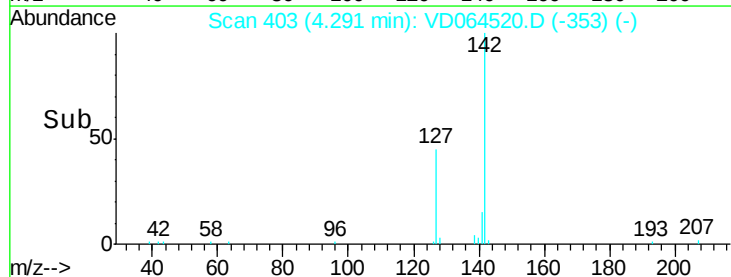
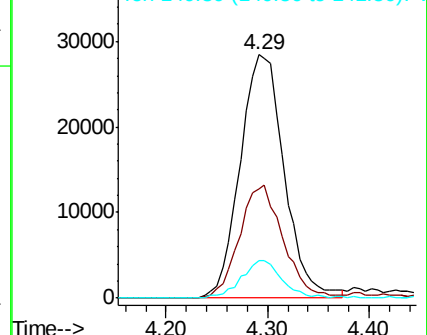
141 14.3 11.6 17.4

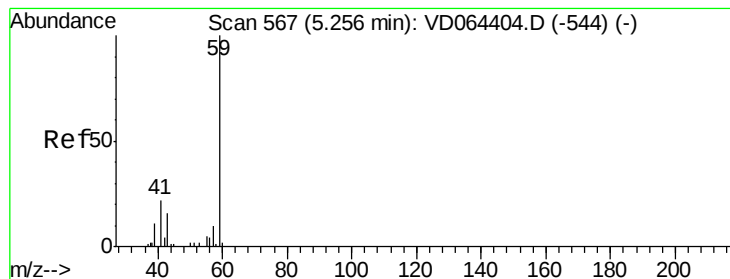


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.743 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

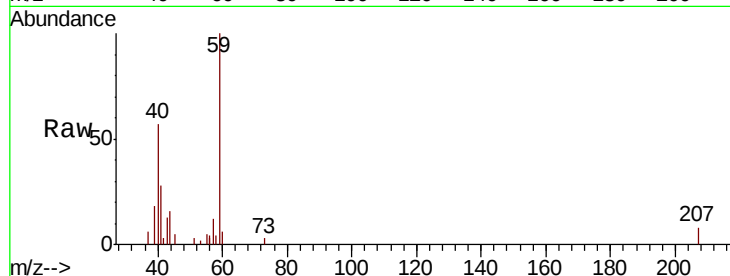
VD1216SBS01

Tgt Ion: 59 Resp: 22077

Ion Ratio Lower Upper

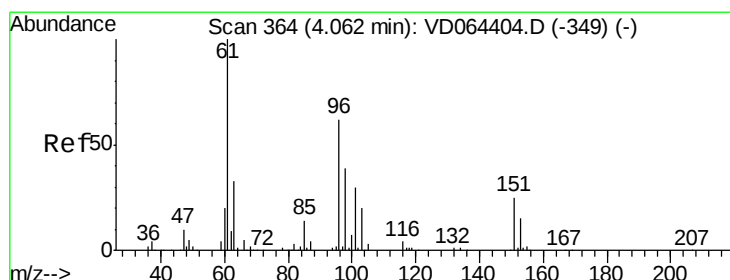
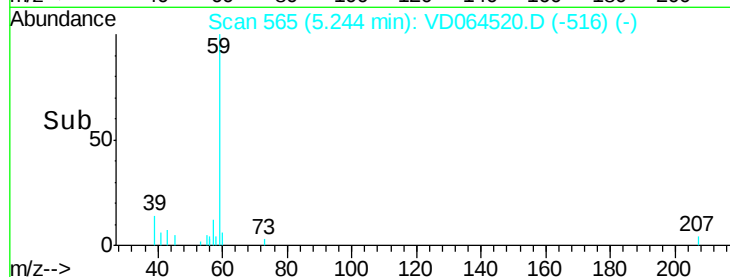
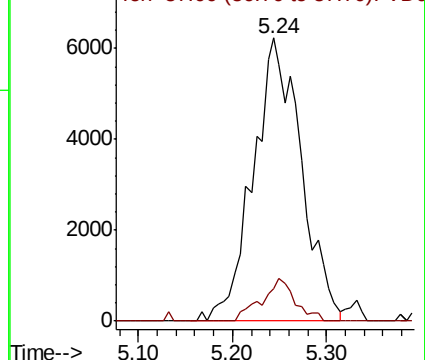
59 100

57 10.5 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.667 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

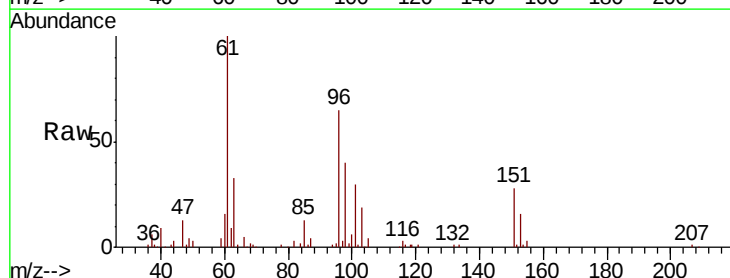
Tgt Ion: 96 Resp: 82284

Ion Ratio Lower Upper

96 100

61 154.2 128.2 192.4

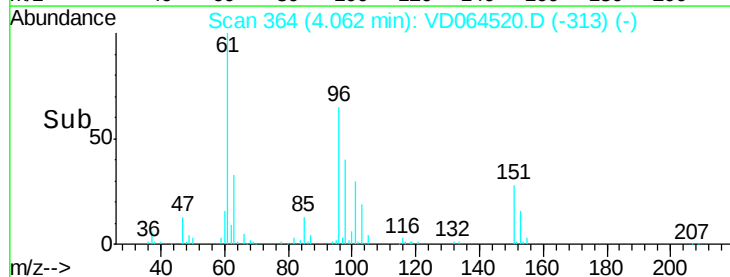
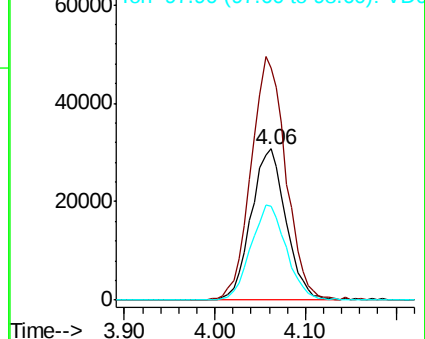
98 61.9 50.4 75.6

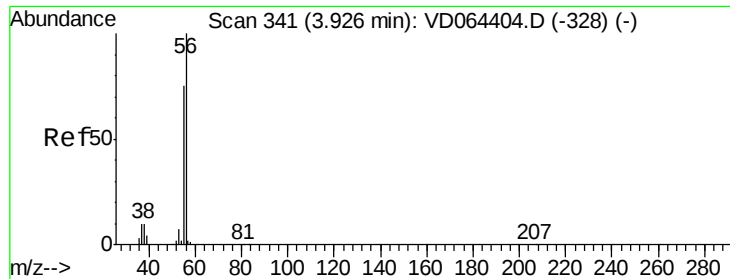


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 78.768 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

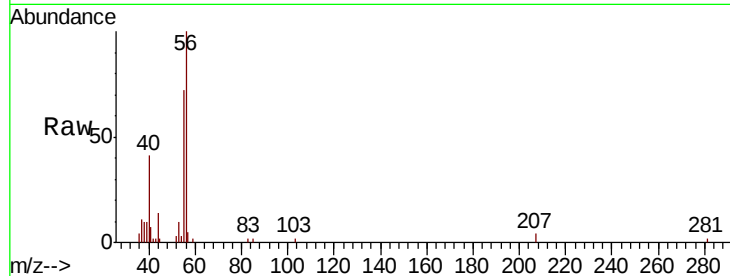
VD1216SBS01

Tgt Ion: 56 Resp: 27344

Ion Ratio Lower Upper

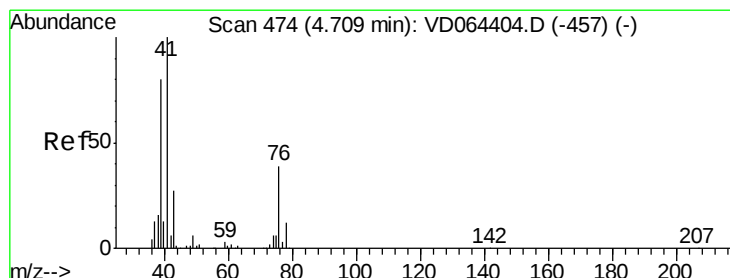
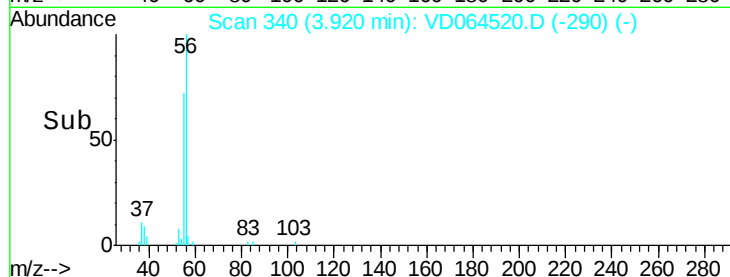
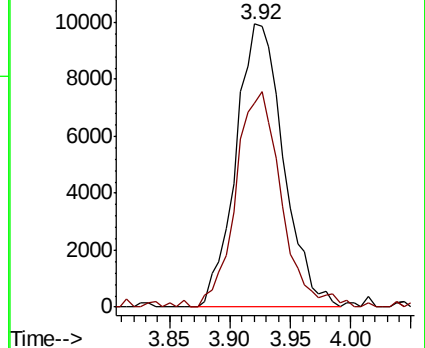
56 100

55 72.6 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.379 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

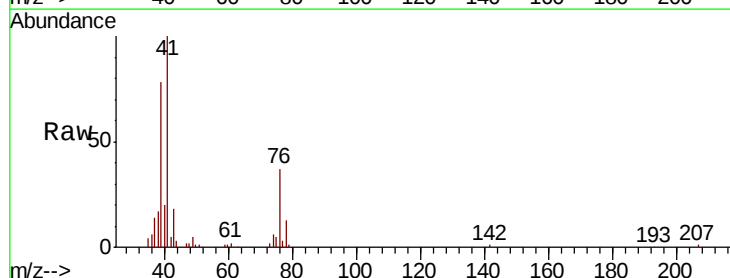
Tgt Ion: 41 Resp: 126630

Ion Ratio Lower Upper

41 100

39 78.8 62.1 93.1

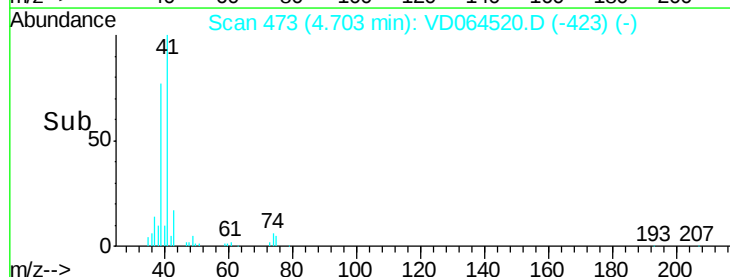
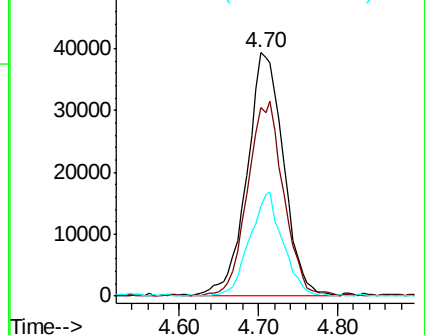
76 38.6 29.8 44.8

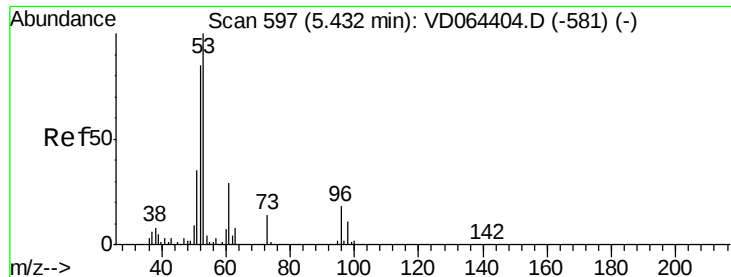


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 91.407 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

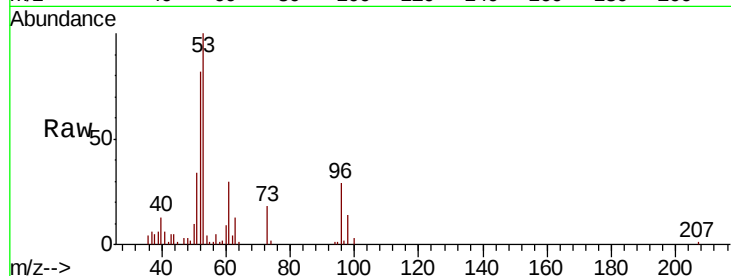
Tgt Ion: 53 Resp: 80484

Ion Ratio Lower Upper

53 100

52 86.9 67.9 101.9

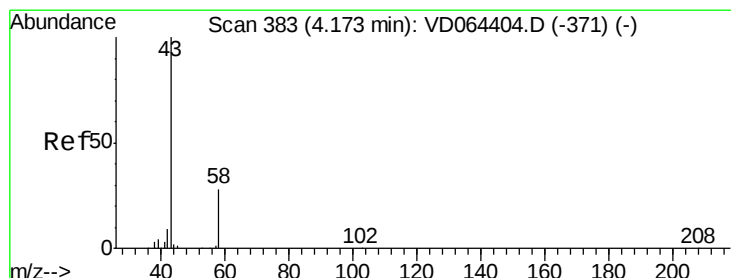
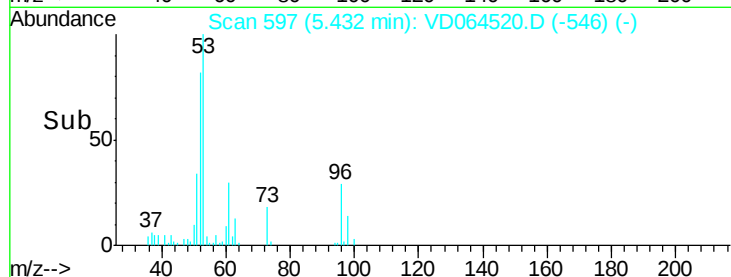
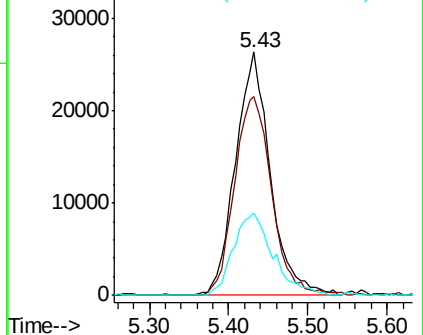
51 38.4 30.6 45.8



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: 101.428 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064520.D

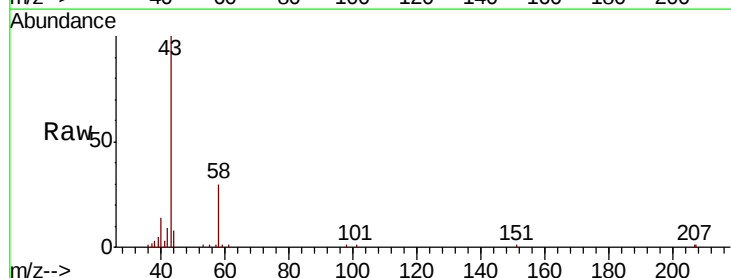
Acq: 16 Dec 2019 12:43

Tgt Ion: 43 Resp: 81951

Ion Ratio Lower Upper

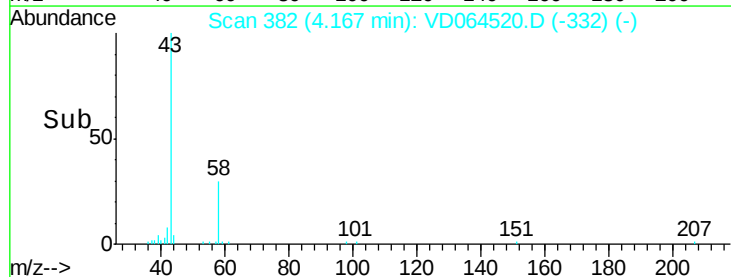
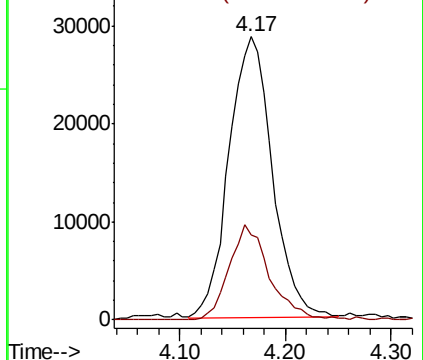
43 100

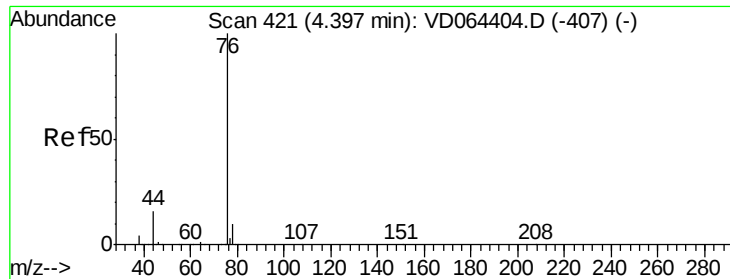
58 30.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

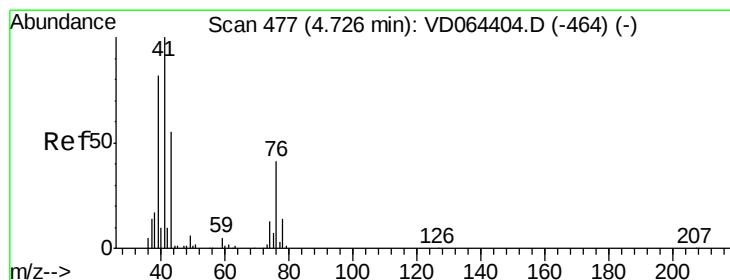
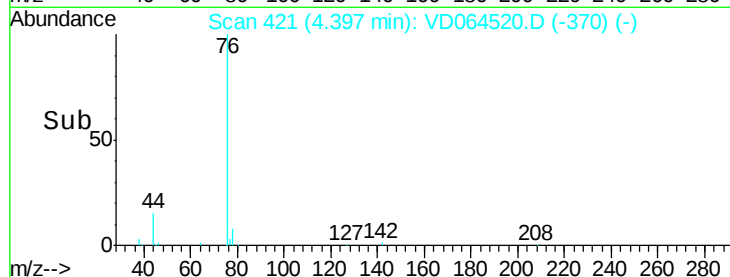
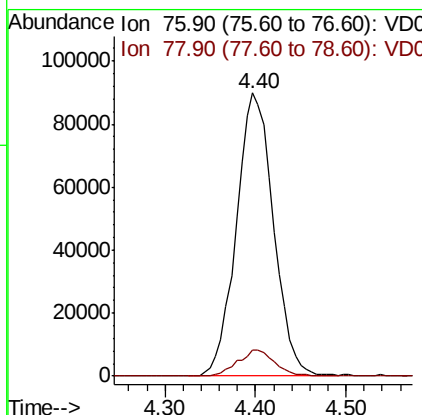
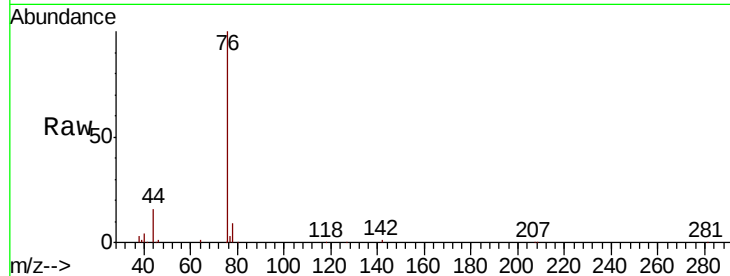




#17  
Carbon Disulfide  
Concen: 20.251 ug/l  
RT: 4.40 min Scan# 421  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

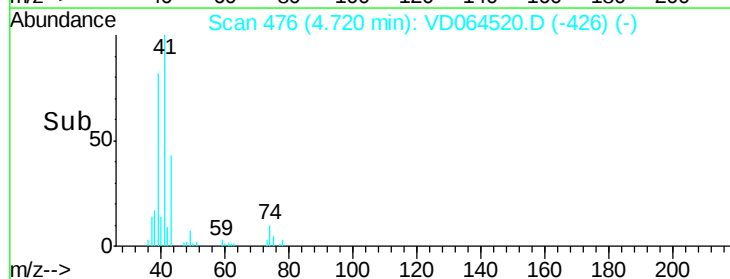
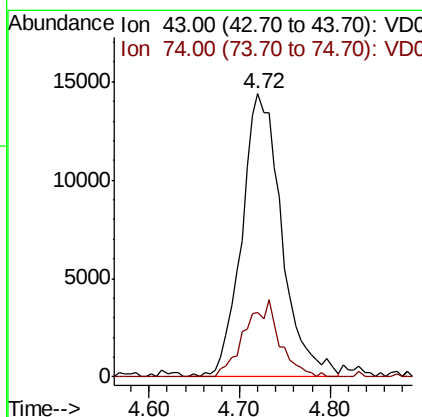
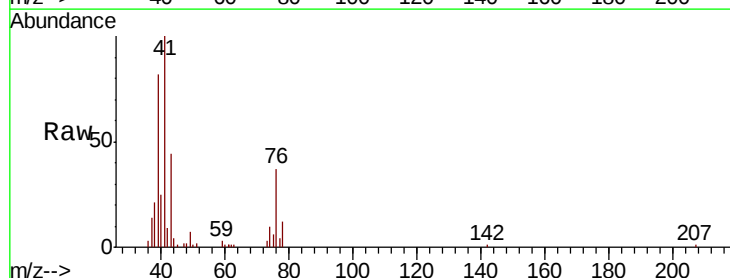
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

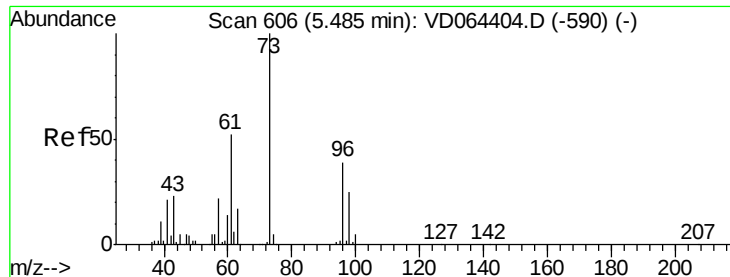
Tgt Ion: 76 Resp: 255365  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.8 11.8



#18  
Methyl Acetate  
Concen: 18.664 ug/l  
RT: 4.72 min Scan# 476  
Delta R.T. -0.01 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion: 43 Resp: 43986  
Ion Ratio Lower Upper  
43 100  
74 23.7 19.7 29.5



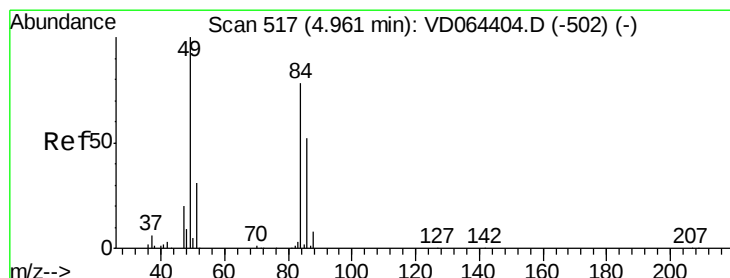
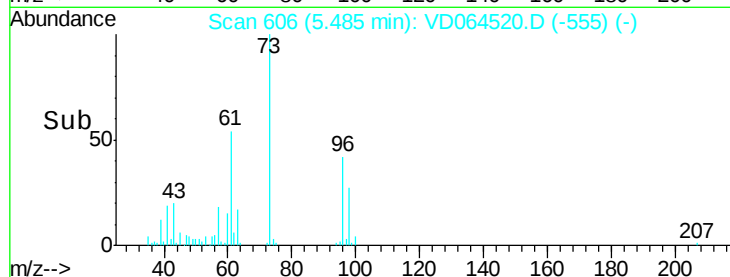
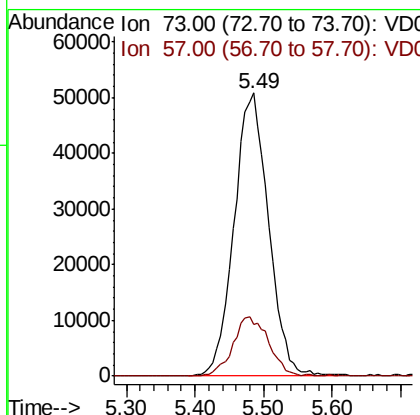
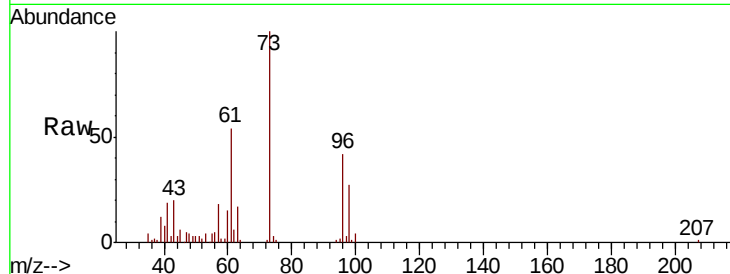


#19

Methyl tert-butyl Ether  
 Concen: 19.410 ug/l  
 RT: 5.49 min Scan# 606  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

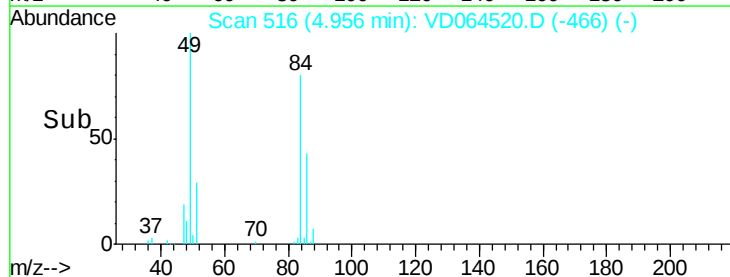
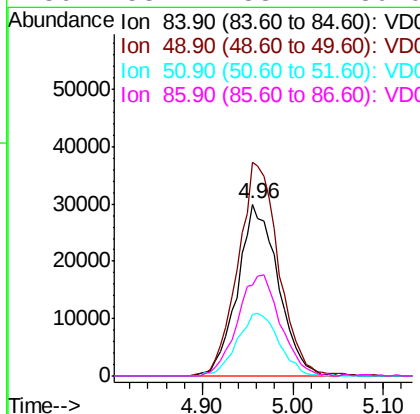
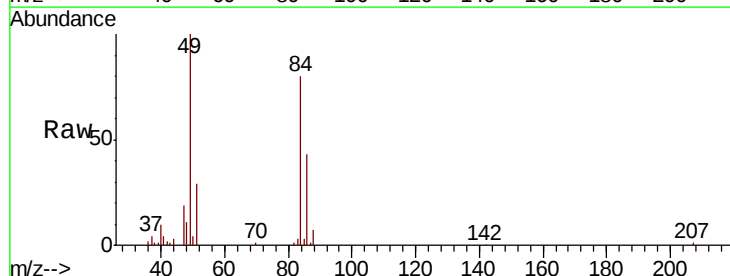
Tgt Ion: 73 Resp: 177269  
 Ion Ratio Lower Upper  
 73 100  
 57 18.1 17.6 26.4

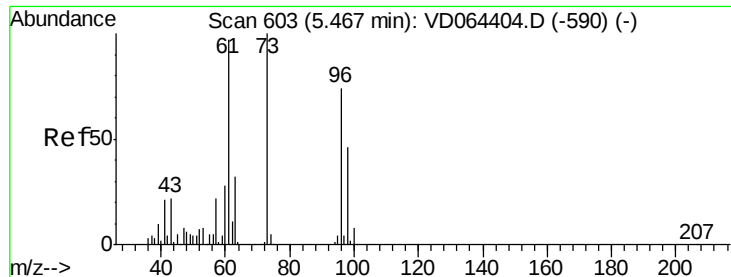


#20

Methylene Chloride  
 Concen: 19.998 ug/l  
 RT: 4.96 min Scan# 516  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion: 84 Resp: 93052  
 Ion Ratio Lower Upper  
 84 100  
 49 124.5 102.6 153.8  
 51 36.1 32.0 48.0  
 86 53.1 53.4 80.0#





#21

trans-1,2-Dichloroethene

Concen: 20.646 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

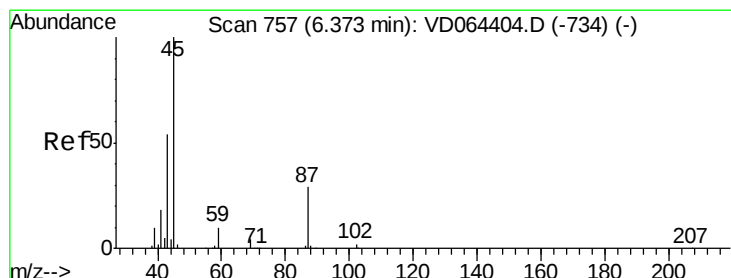
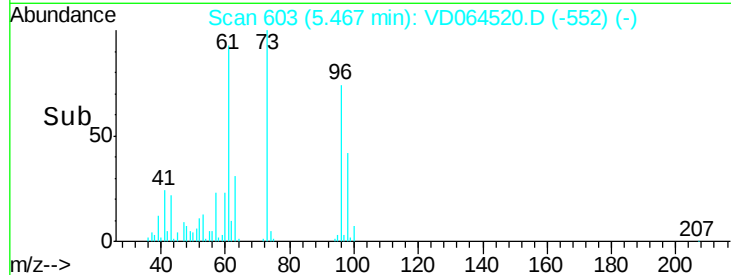
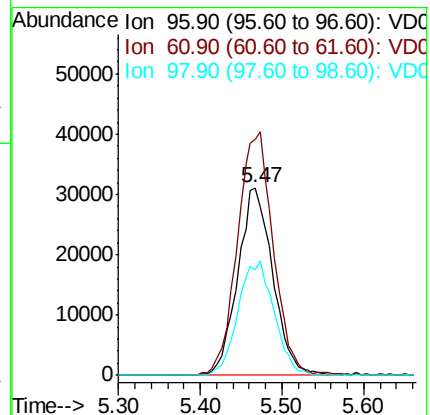
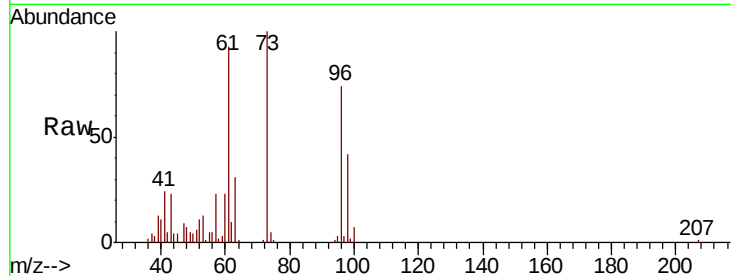
Tgt Ion: 96 Resp: 92984

Ion Ratio Lower Upper

96 100

61 126.1 105.8 158.6

98 56.2 50.1 75.1



#22

Diisopropyl ether

Concen: 19.901 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion: 45 Resp: 244118

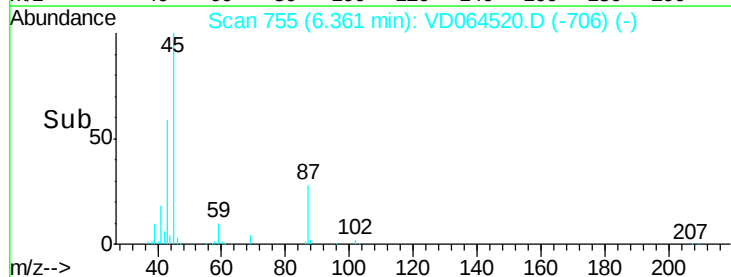
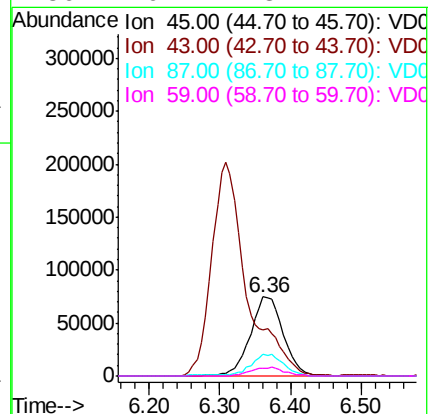
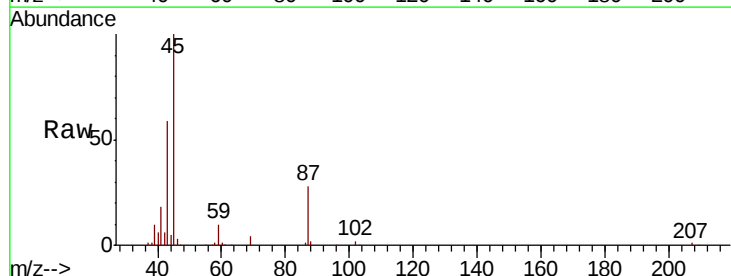
Ion Ratio Lower Upper

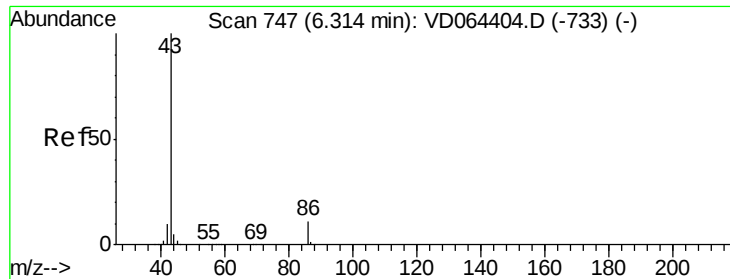
45 100

43 57.5 43.1 64.7

87 28.3 23.5 35.3

59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 96.468 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

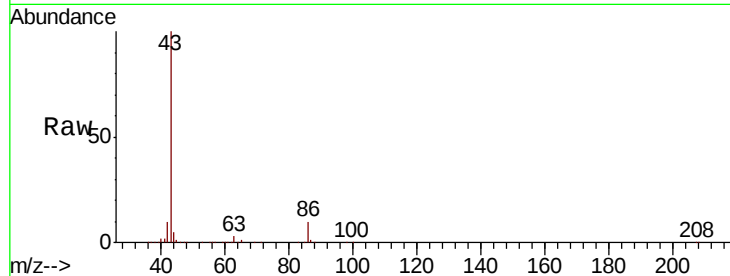
VD1216SBS01

Tgt Ion: 43 Resp: 697615

Ion Ratio Lower Upper

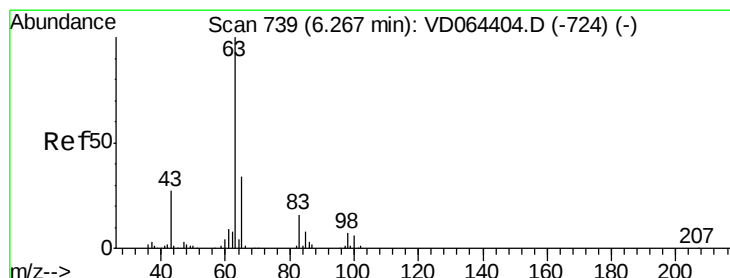
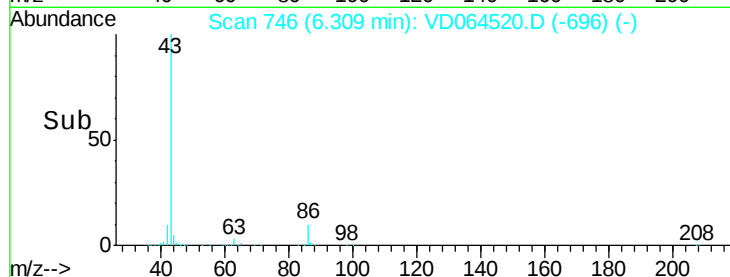
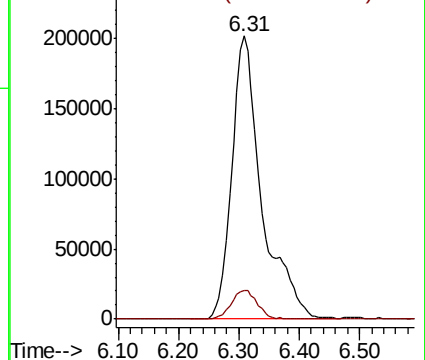
43 100

86 10.3 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: 20.996 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

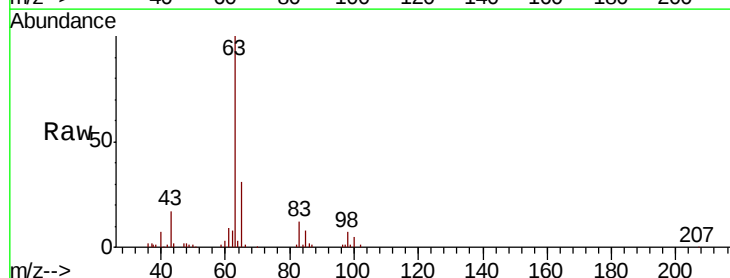
Tgt Ion: 63 Resp: 154883

Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.9

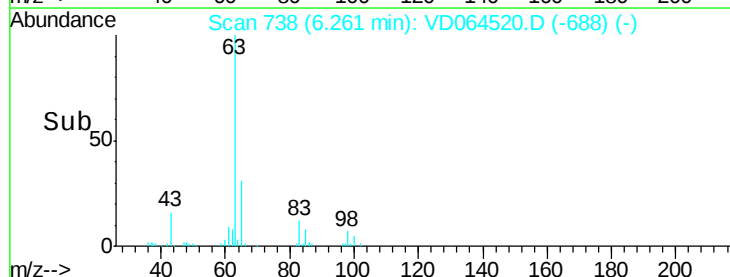
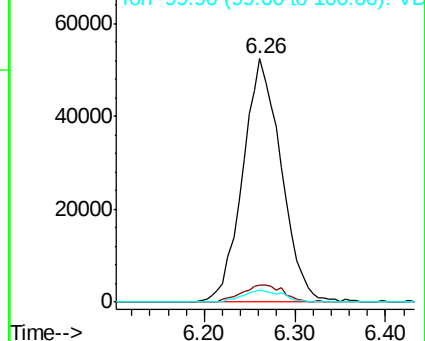
100 5.1 2.9 8.6

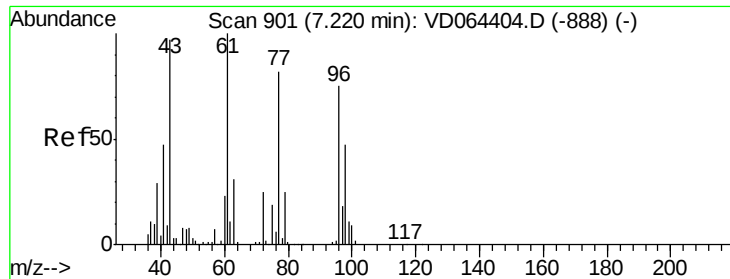


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 92.034 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

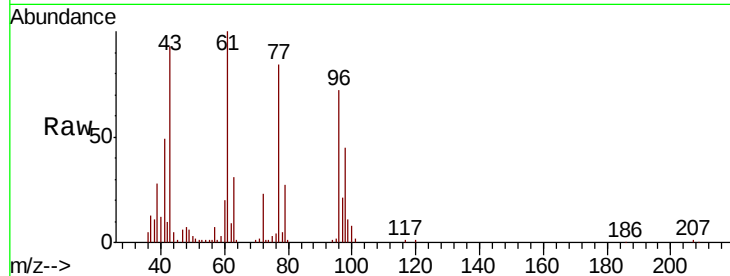
VD1216SBS01

Tgt Ion: 43 Resp: 105162

Ion Ratio Lower Upper

43 100

72 25.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

40000

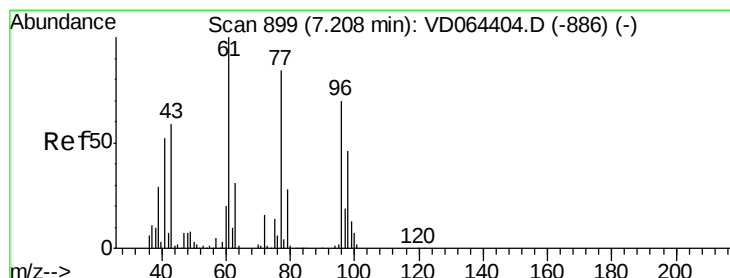
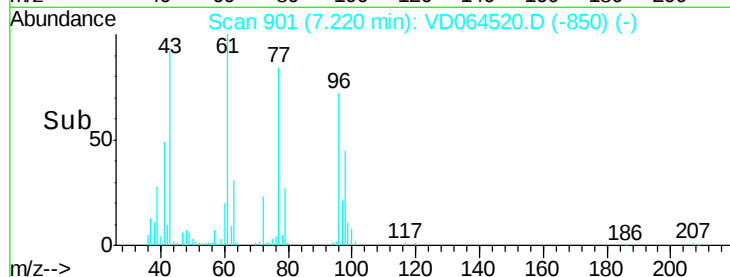
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 21.178 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064520.D

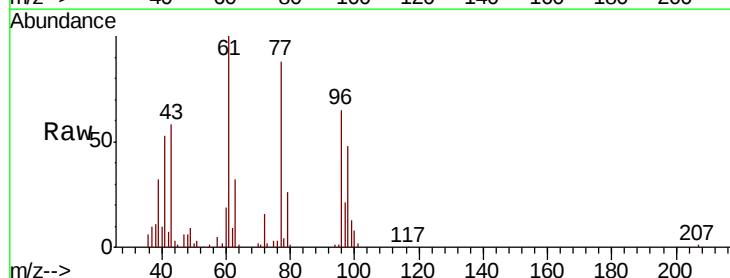
Acq: 16 Dec 2019 12:43

Tgt Ion: 77 Resp: 135864

Ion Ratio Lower Upper

77 100

97 23.9 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

50000

40000

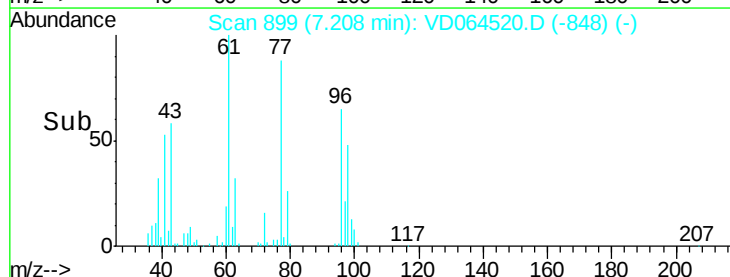
30000

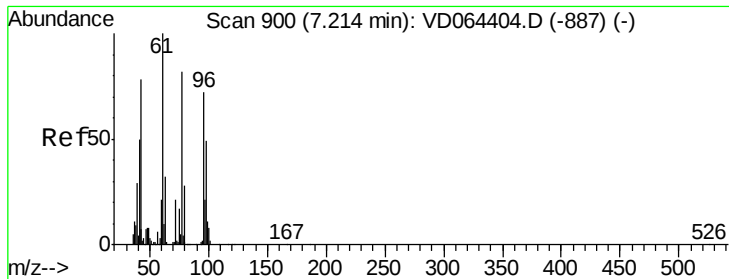
20000

10000

0

Time--> 7.10 7.20 7.30





#27

cis-1,2-Dichloroethene

Concen: 20.121 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

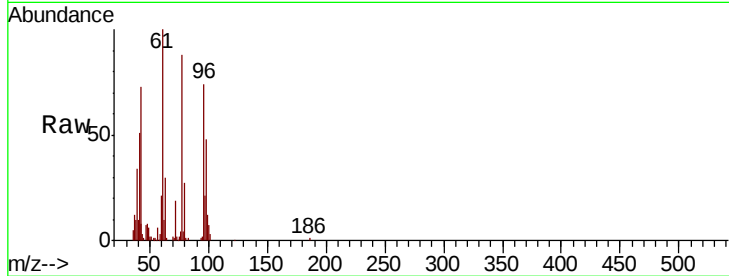
Tgt Ion: 96 Resp: 98793

Ion Ratio Lower Upper

96 100

61 143.1 0.0 279.6

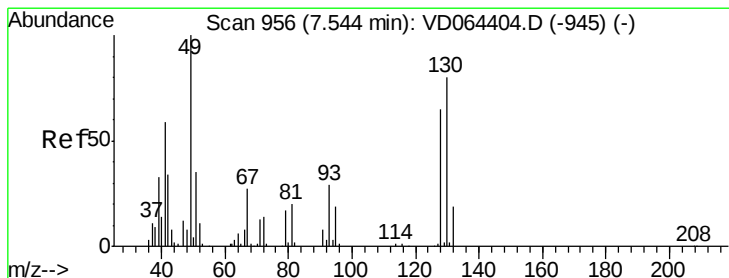
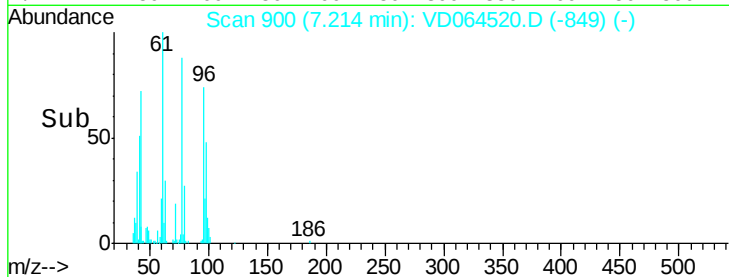
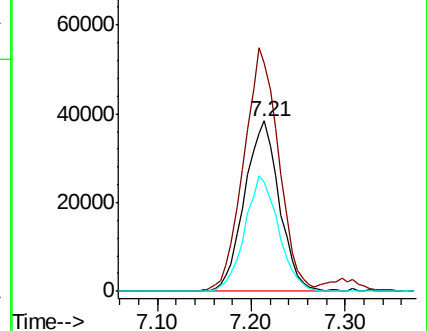
98 65.7 0.0 129.2



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: 16.351 ug/l

RT: 7.54 min Scan# 956

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

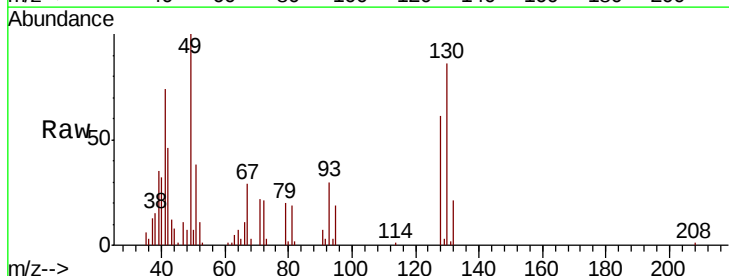
Tgt Ion: 49 Resp: 41222

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.4

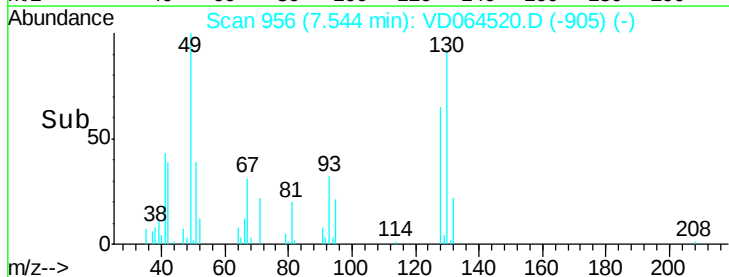
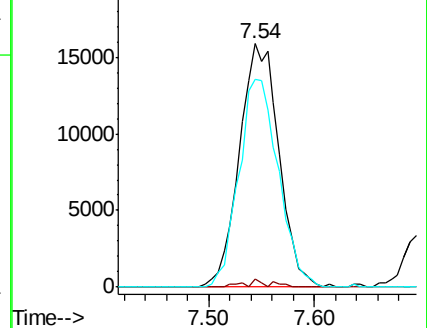
130 85.3 67.4 101.0

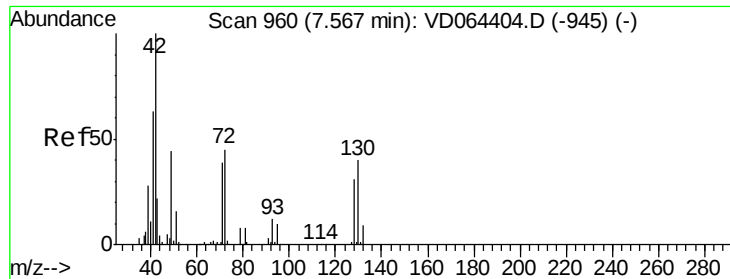


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

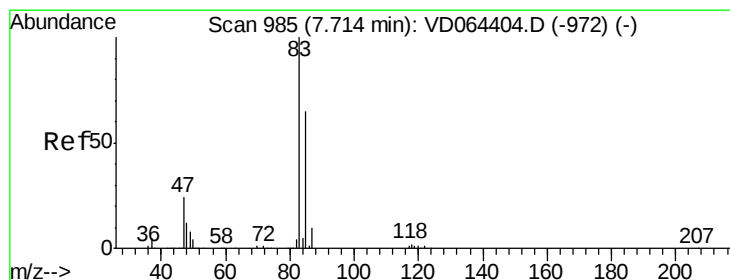
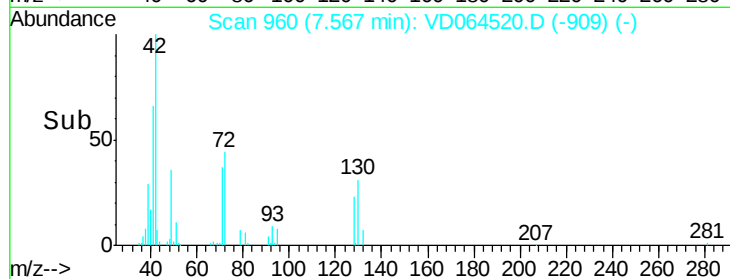
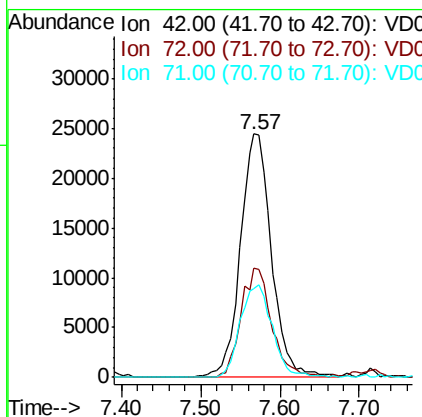
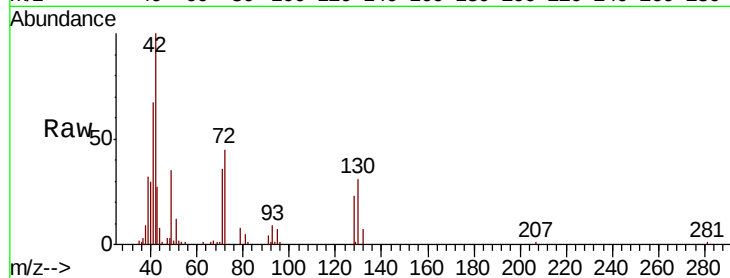




#29  
Tetrahydrofuran  
Concen: 91.438 ug/l  
RT: 7.57 min Scan# 960  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

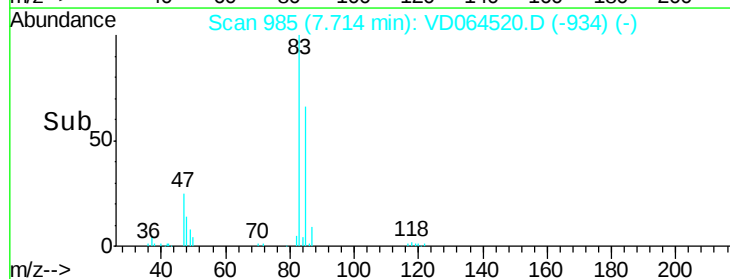
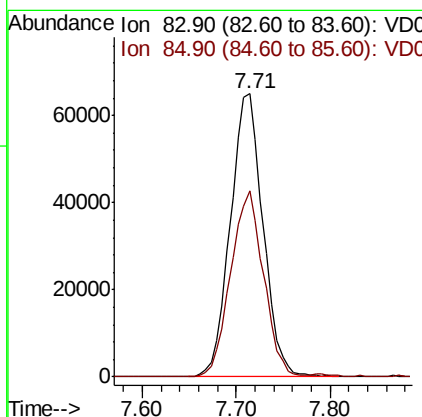
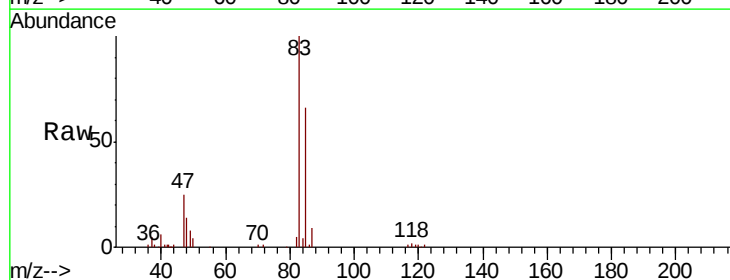
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

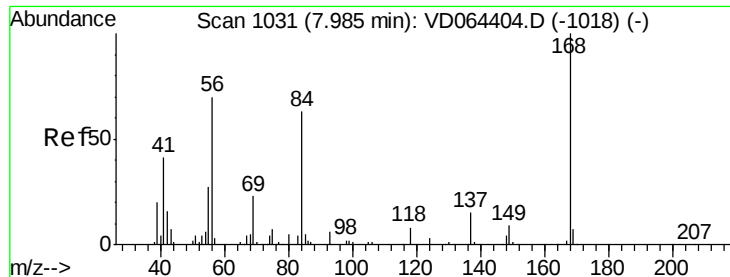
Tgt Ion: 42 Resp: 66473  
Ion Ratio Lower Upper  
42 100  
72 44.2 35.8 53.8  
71 39.2 32.7 49.1



#30  
Chloroform  
Concen: 20.497 ug/l  
RT: 7.71 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion: 83 Resp: 156593  
Ion Ratio Lower Upper  
83 100  
85 65.9 51.8 77.6

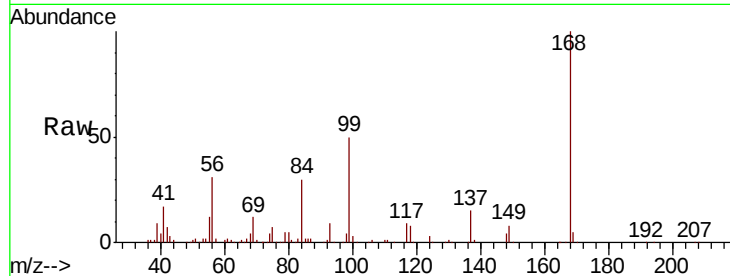




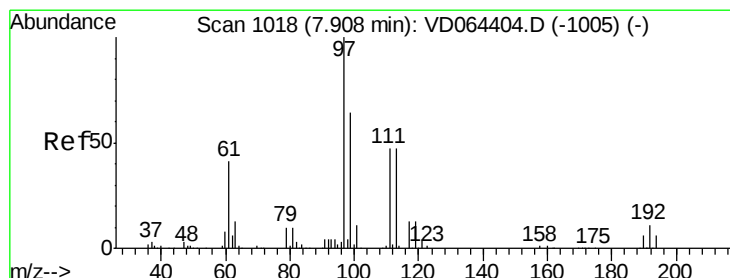
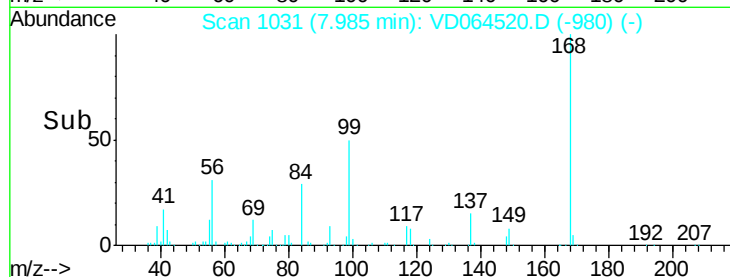
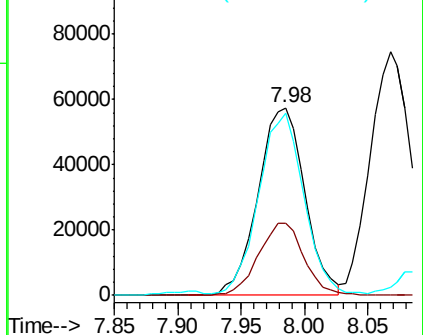
#31  
Cyclohexane  
Concen: 20.264 ug/l  
RT: 7.98 min Scan# 1031  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

Tgt Ion: 56 Resp: 148082  
Ion Ratio Lower Upper  
56 100  
69 38.2 26.2 39.4  
84 95.0 70.3 105.5

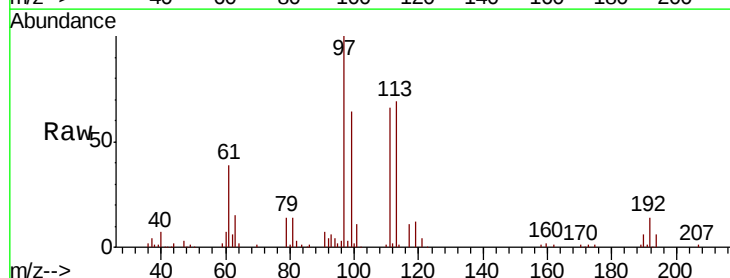


Abundance Ion 56.00 (55.70 to 56.70): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.00 (83.70 to 84.70): VDC

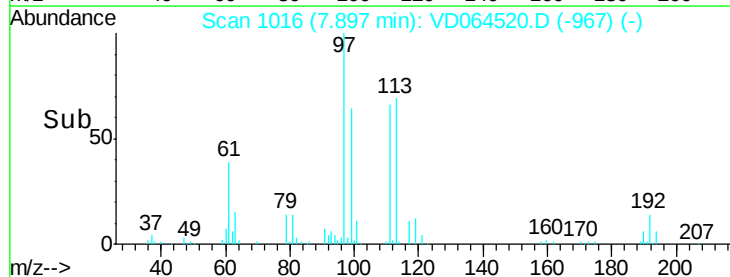
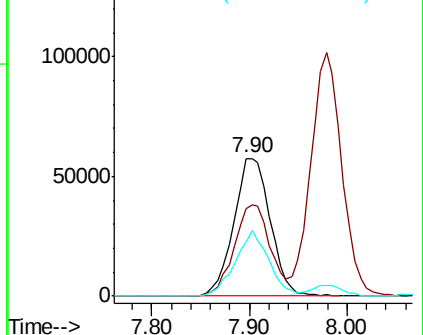


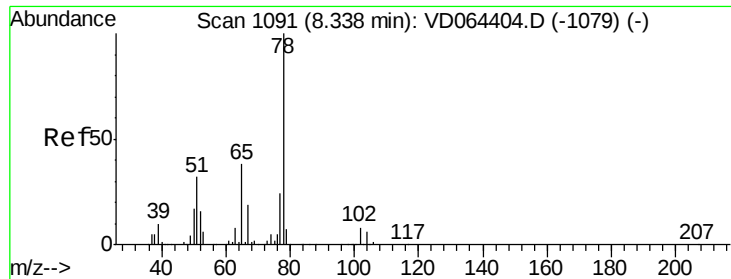
#32  
1,1,1-Trichloroethane  
Concen: 21.065 ug/l  
RT: 7.90 min Scan# 1016  
Delta R.T. -0.01 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion: 97 Resp: 149203  
Ion Ratio Lower Upper  
97 100  
99 65.2 51.4 77.2  
61 43.4 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

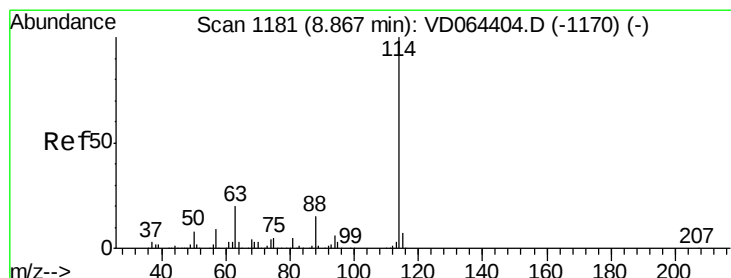
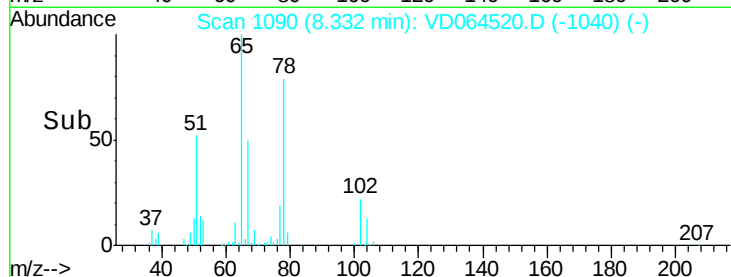
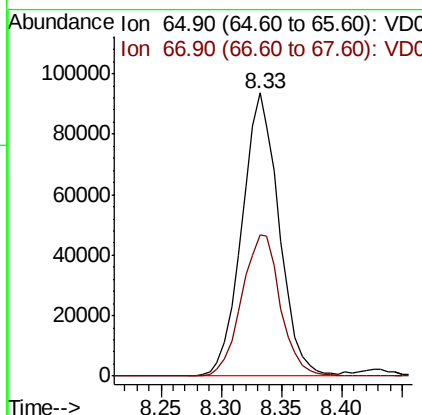
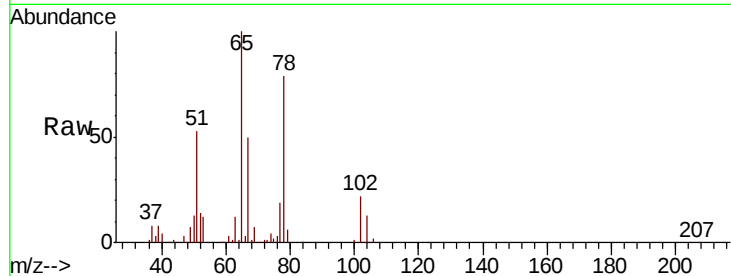




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.263 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

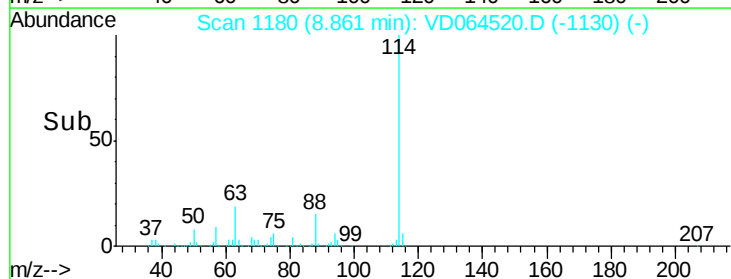
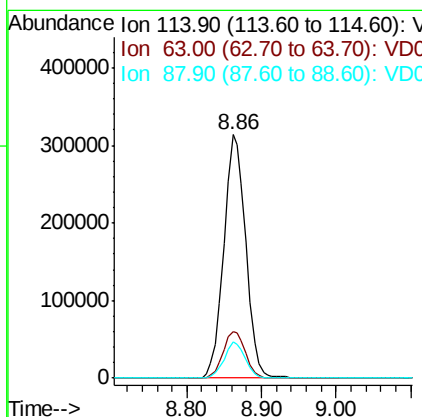
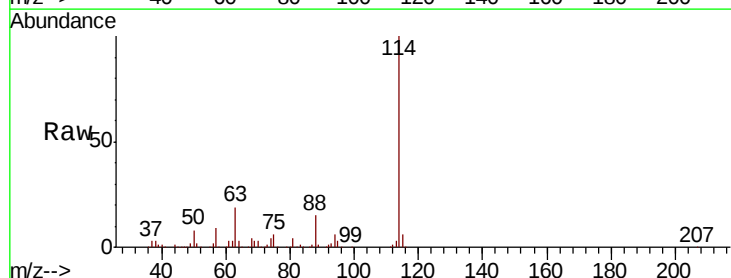
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

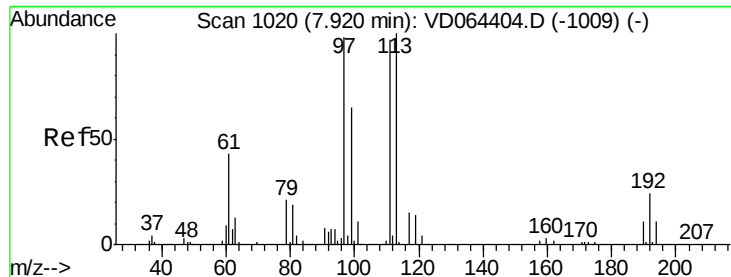
Tgt Ion: 65 Resp: 200966  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.86 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion: 114 Resp: 644071  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 40.0  
 88 14.7 0.0 29.2

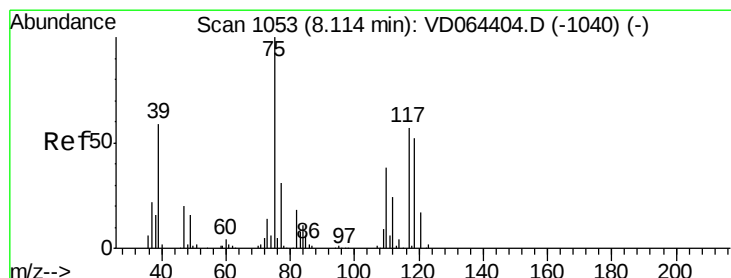
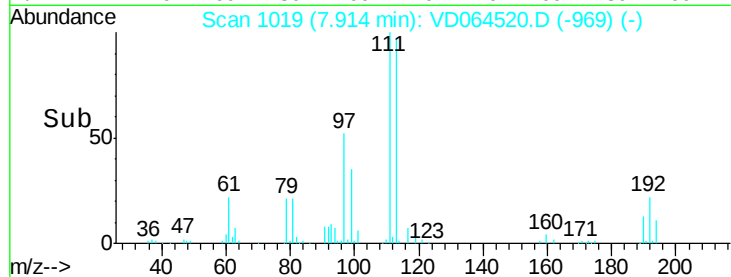
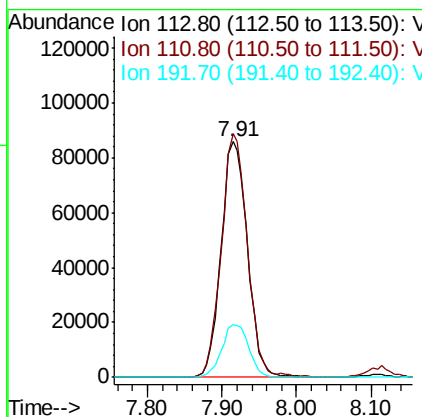
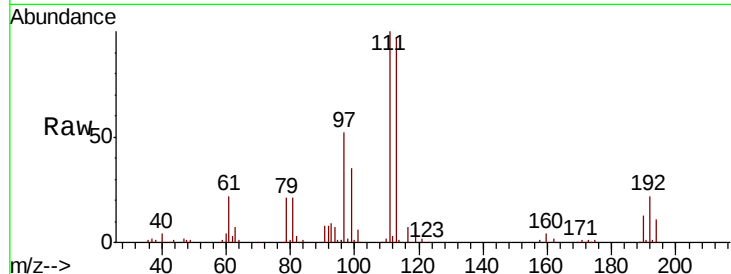




#35  
 Dibromofluoromethane  
 Concen: 51.935 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

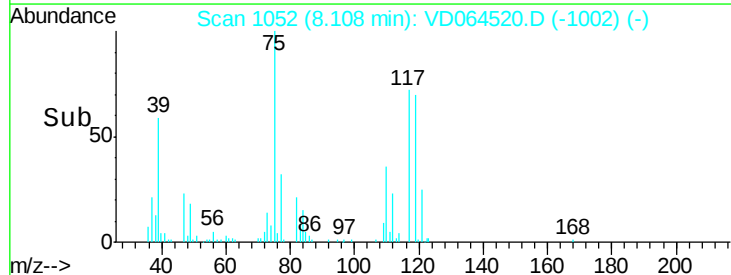
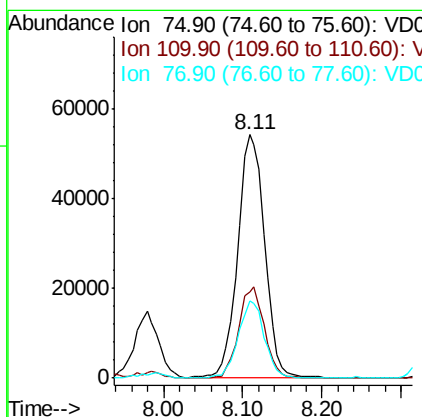
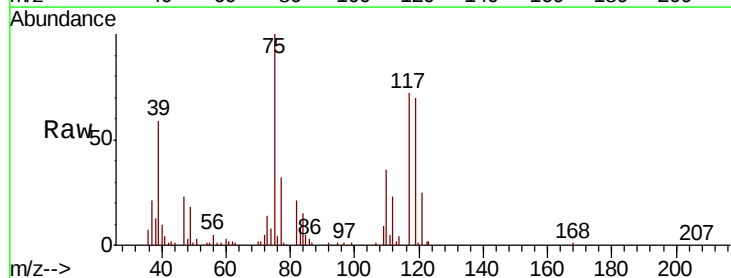
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

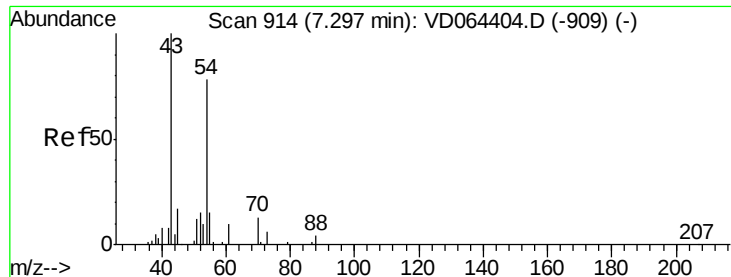
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.0 | 79.4  | 119.2 |
| 192     | 23.0  | 18.6  | 28.0  |



#36  
 1,1-Dichloropropene  
 Concen: 21.084 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 35.5  | 18.6  | 55.8  |
| 77      | 30.6  | 25.0  | 37.4  |

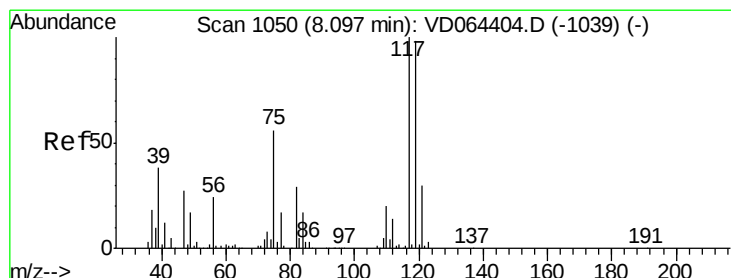
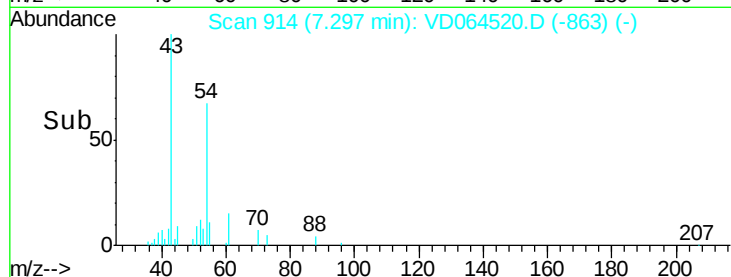
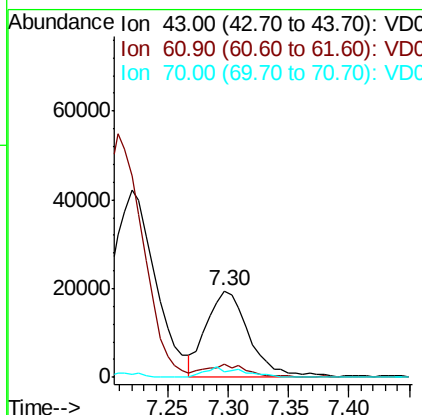
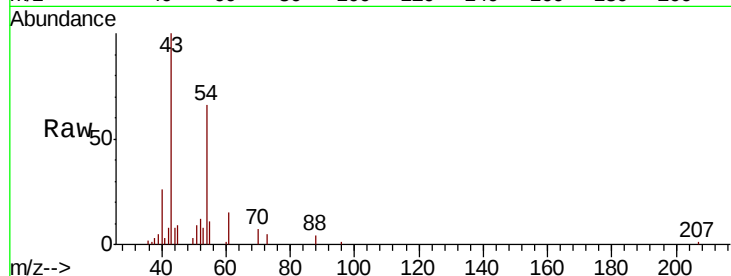




#37  
 Ethyl Acetate  
 Concen: 18.020 ug/l  
 RT: 7.30 min Scan# 914  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

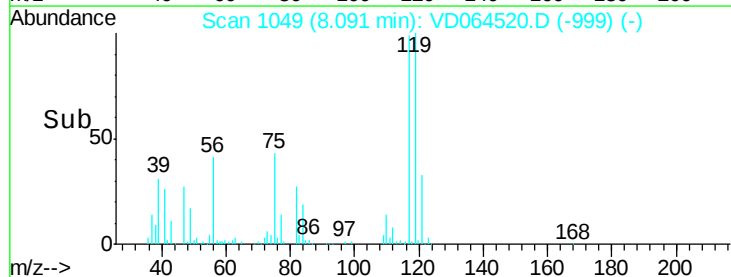
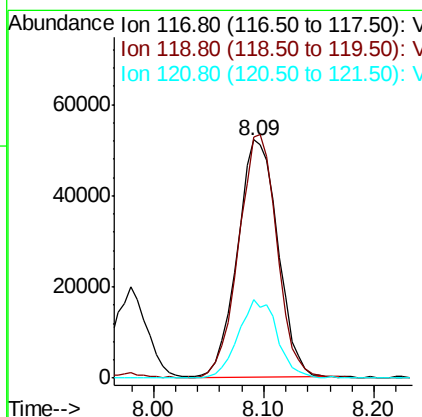
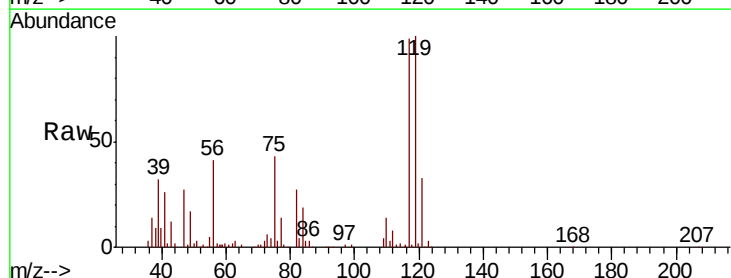
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

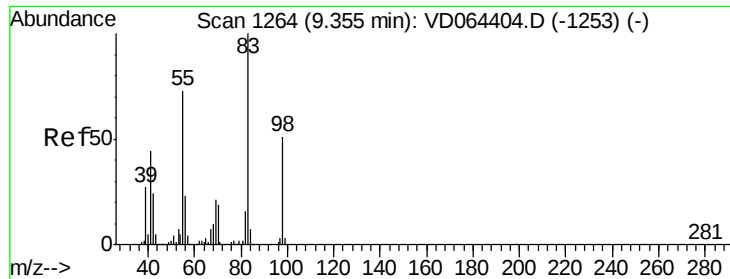
Tgt Ion: 43 Resp: 46582  
 Ion Ratio Lower Upper  
 43 100  
 61 15.5 10.9 16.3  
 70 10.8 8.3 12.5



#38  
 Carbon Tetrachloride  
 Concen: 20.789 ug/l  
 RT: 8.09 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion: 117 Resp: 133664  
 Ion Ratio Lower Upper  
 117 100  
 119 101.7 78.8 118.2  
 121 33.1 24.2 36.2

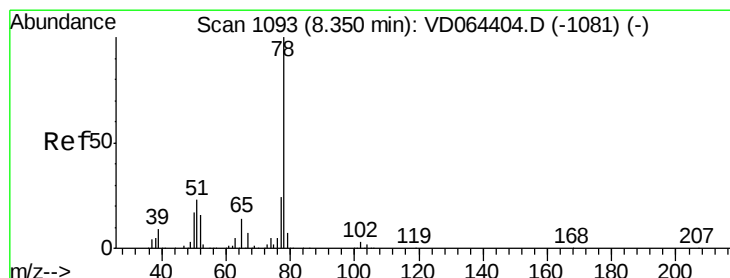
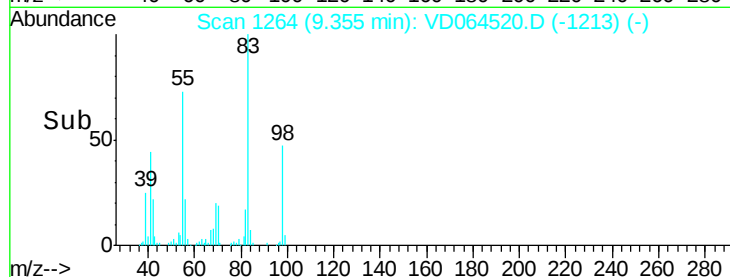
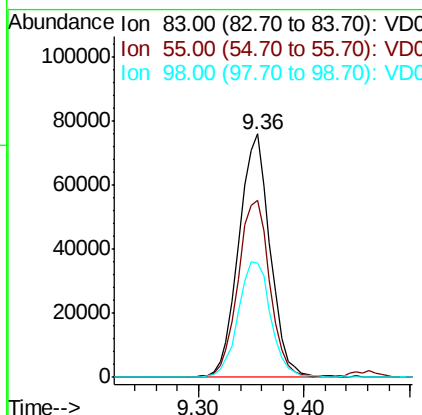
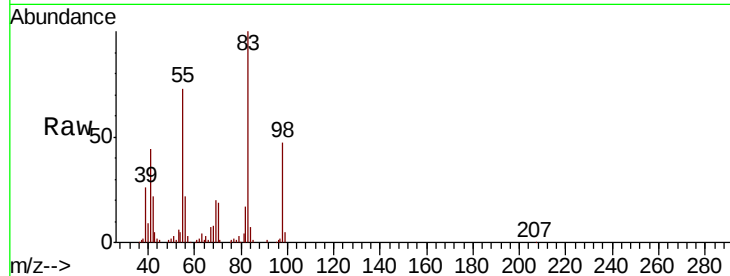




#39  
Methylcyclohexane  
Concen: 20.683 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

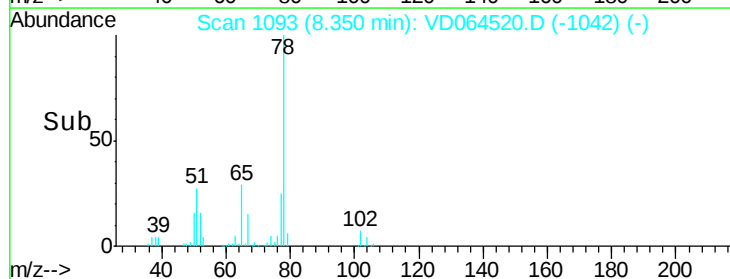
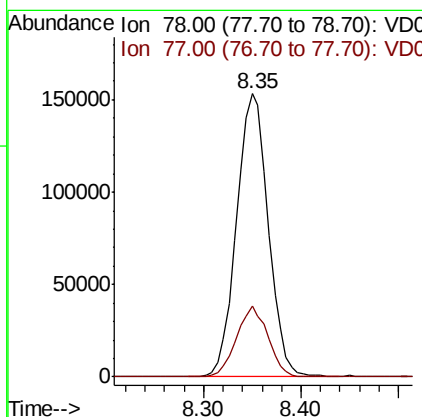
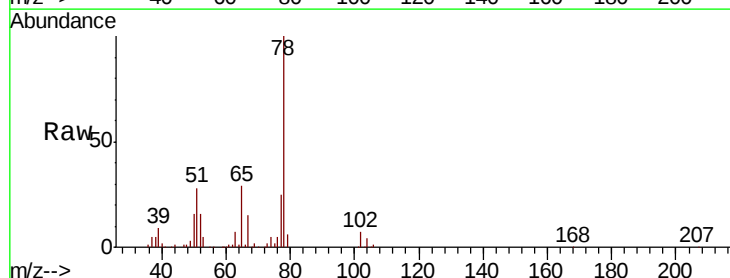
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

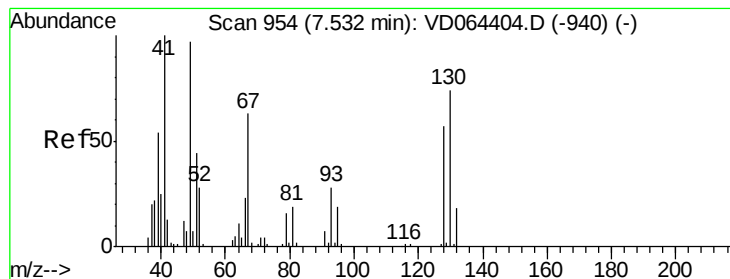
Tgt Ion: 83 Resp: 156302  
Ion Ratio Lower Upper  
83 100  
55 72.6 58.6 87.8  
98 46.8 40.9 61.3



#40  
Benzene  
Concen: 20.467 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion: 78 Resp: 346302  
Ion Ratio Lower Upper  
78 100  
77 24.9 19.6 29.4





#41

Methacrylonitrile

Concen: 19.919 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

Tgt Ion: 41 Resp: 29528

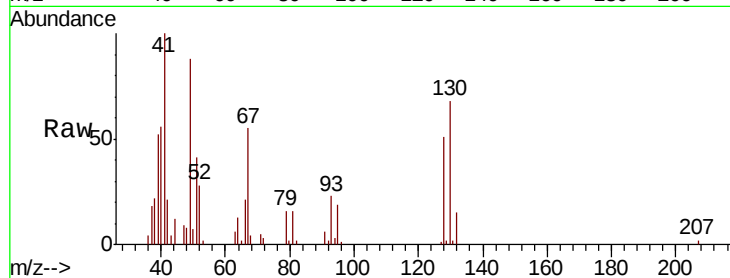
Ion Ratio Lower Upper

41 100

39 60.1 44.6 67.0

67 68.3 50.9 76.3

52 31.2 22.5 33.7

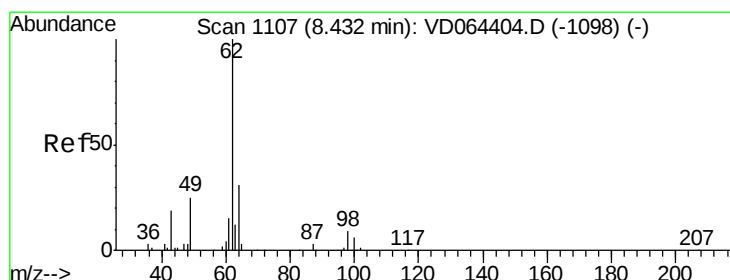
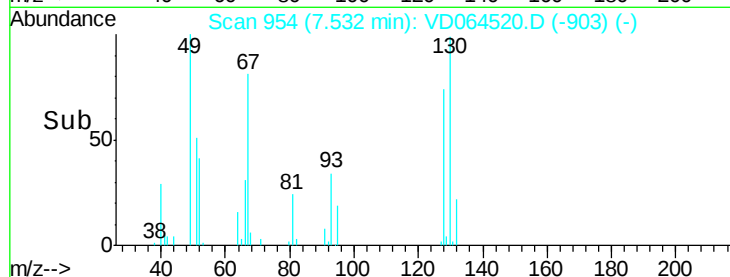
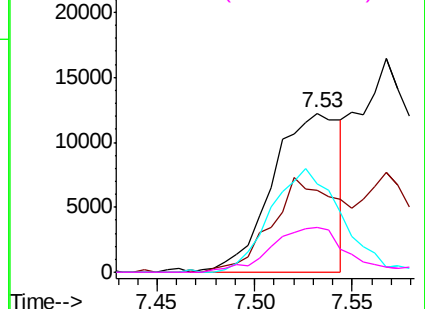


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.353 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064520.D

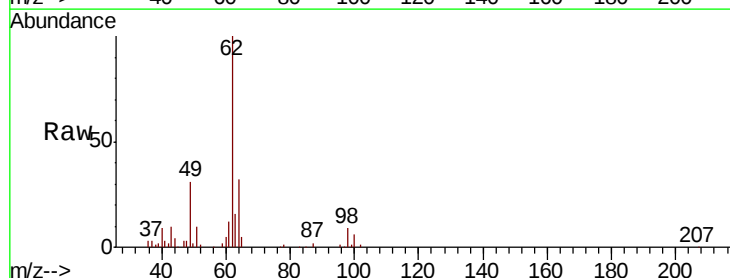
Acq: 16 Dec 2019 12:43

Tgt Ion: 62 Resp: 100430

Ion Ratio Lower Upper

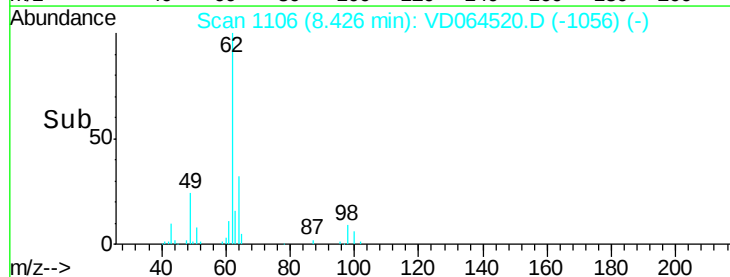
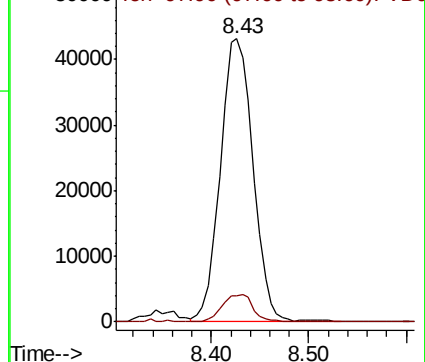
62 100

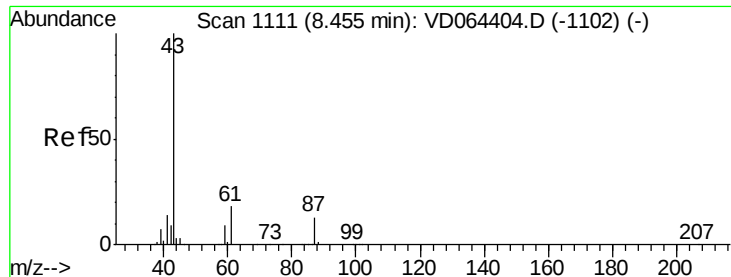
98 9.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.425 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

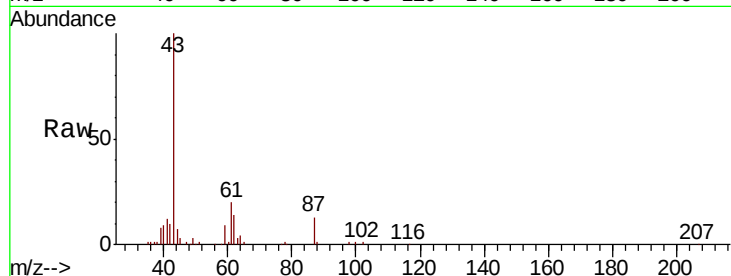
Tgt Ion: 43 Resp: 93648

Ion Ratio Lower Upper

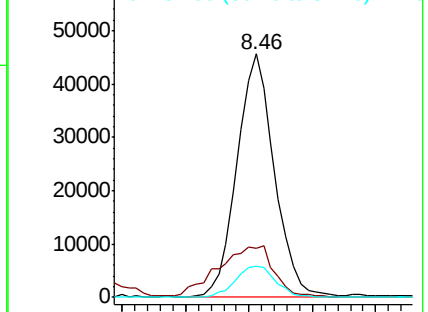
43 100

61 31.6 24.0 36.0

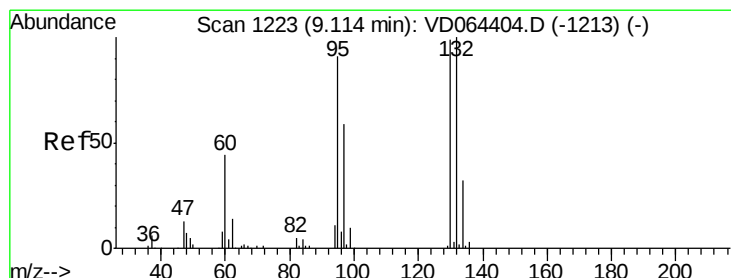
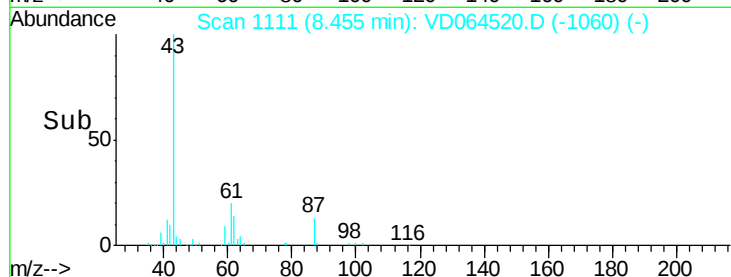
87 13.9 10.6 15.8



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



Time--> 8.35 8.40 8.45 8.50 8.55



#44

Trichloroethene

Concen: 20.046 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064520.D

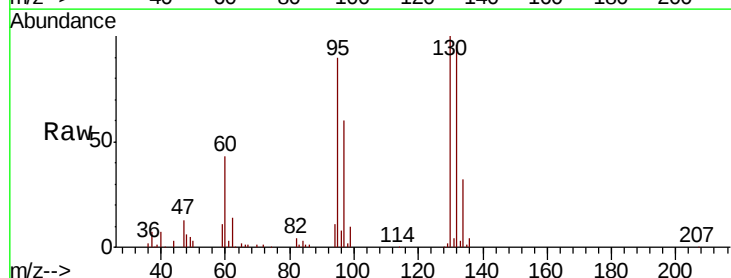
Acq: 16 Dec 2019 12:43

Tgt Ion: 130 Resp: 102172

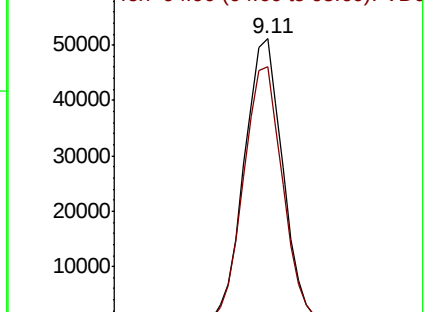
Ion Ratio Lower Upper

130 100

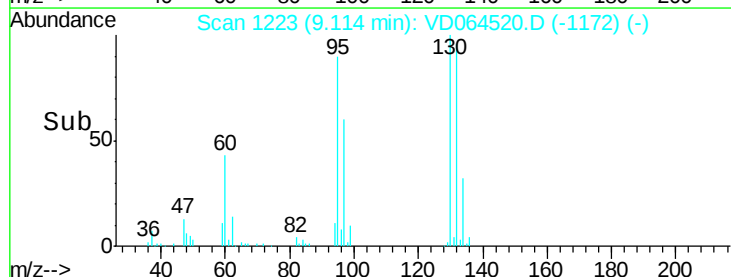
95 90.0 0.0 184.6

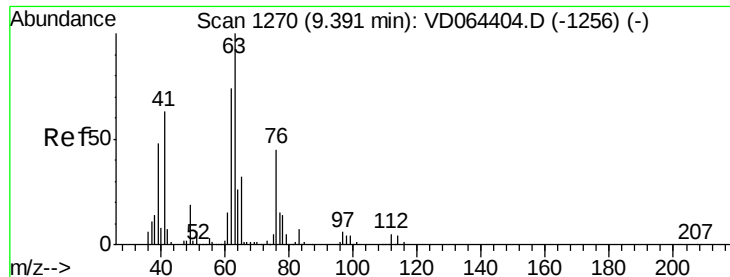


Abundance Ion 129.80 (129.50 to 130.50): VDC  
Ion 94.90 (94.60 to 95.60): VDC



Time--> 9.00 9.05 9.10 9.15 9.20





#45

1,2-Dichloropropane

Concen: 20.342 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

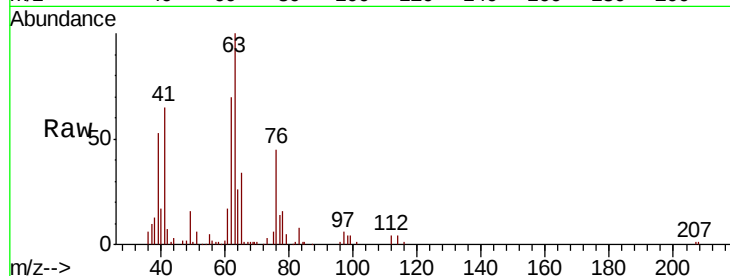
VD1216SBS01

Tgt Ion: 63 Resp: 82317

Ion Ratio Lower Upper

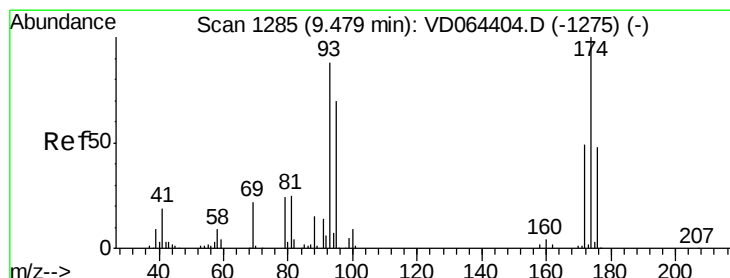
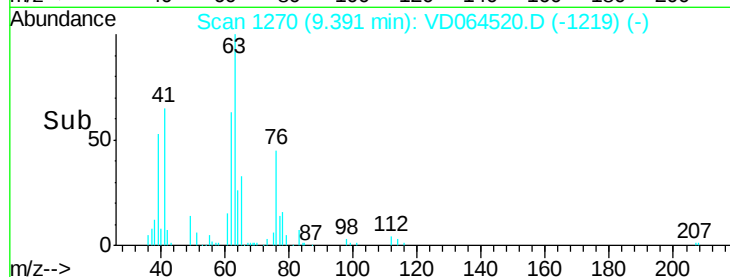
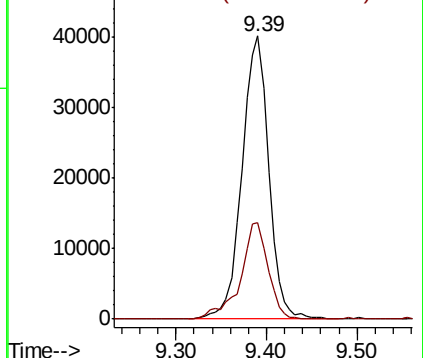
63 100

65 33.9 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.099 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

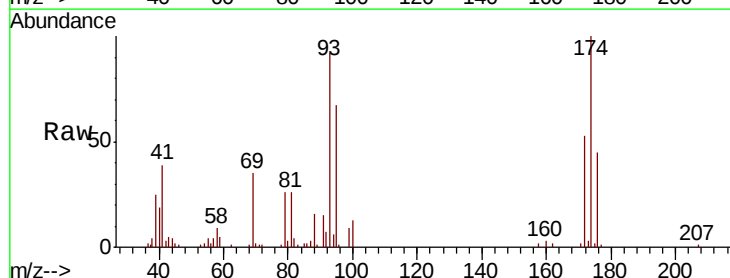
Tgt Ion: 93 Resp: 45903

Ion Ratio Lower Upper

93 100

95 81.1 66.7 100.1

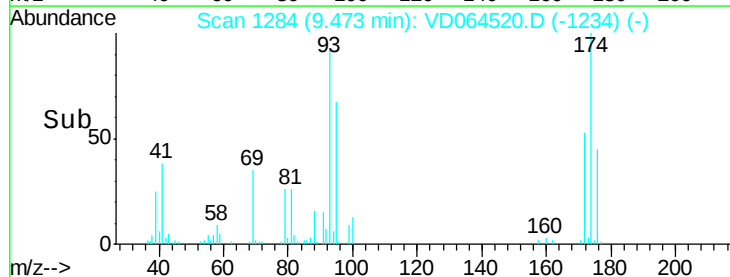
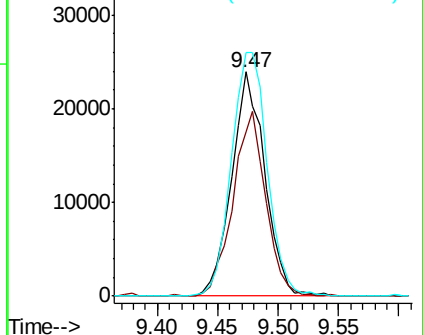
174 117.4 92.3 138.5

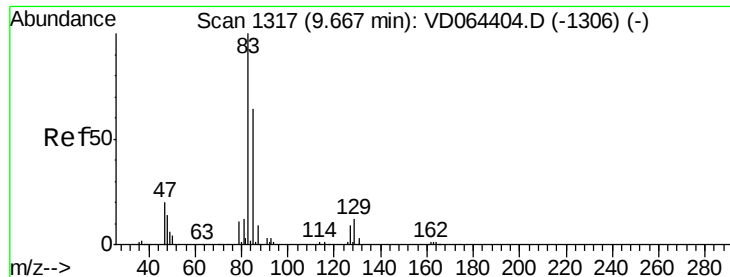


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 20.522 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

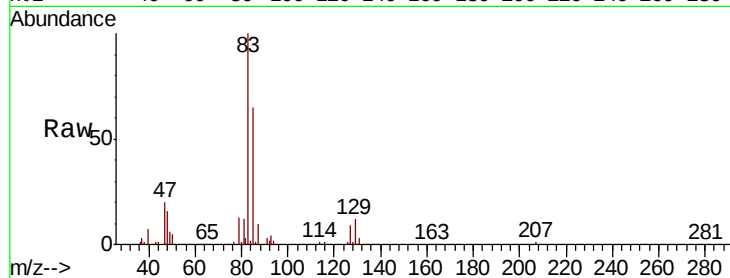
Tgt Ion: 83 Resp: 120431

Ion Ratio Lower Upper

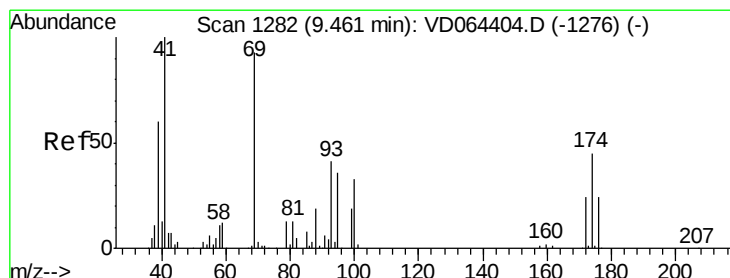
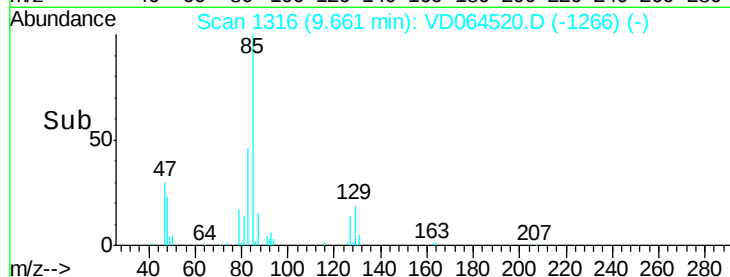
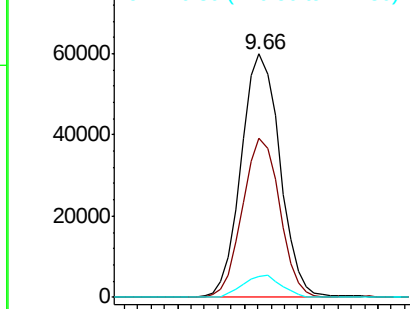
83 100

85 65.5 51.1 76.7

127 8.8 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: 19.015 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

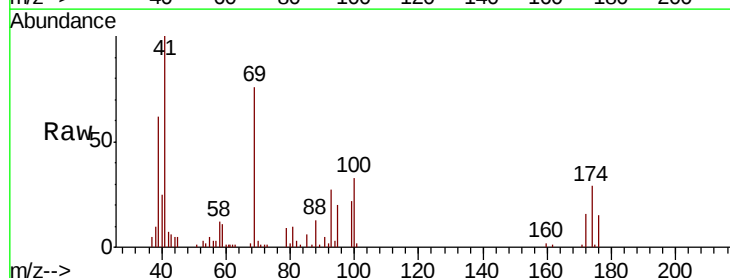
Tgt Ion: 41 Resp: 44223

Ion Ratio Lower Upper

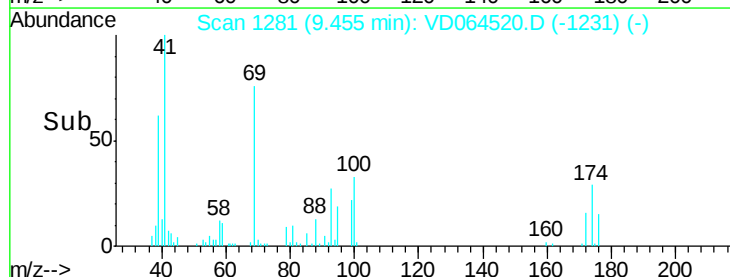
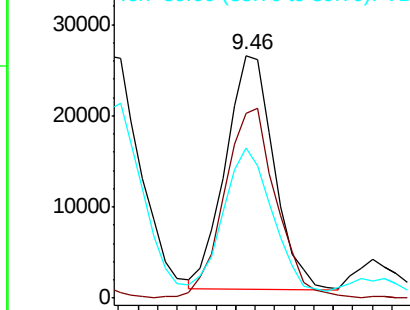
41 100

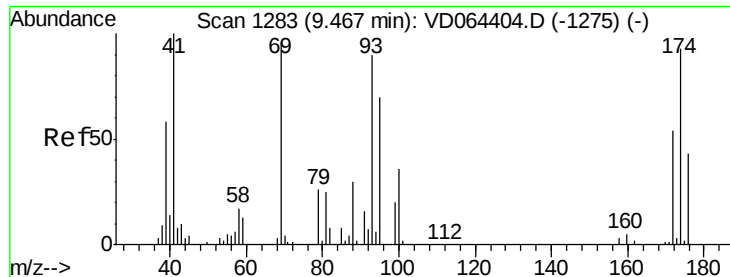
69 86.6 72.0 108.0

39 68.0 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: 347.947 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

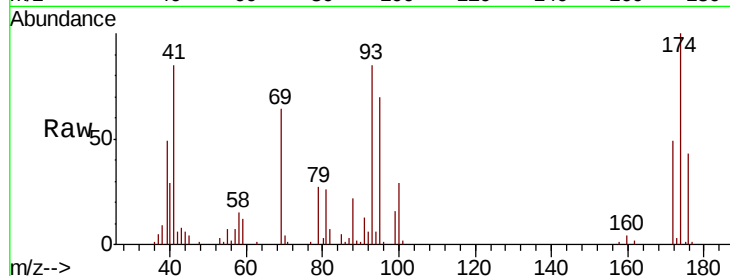
Tgt Ion: 88 Resp: 9813

Ion Ratio Lower Upper

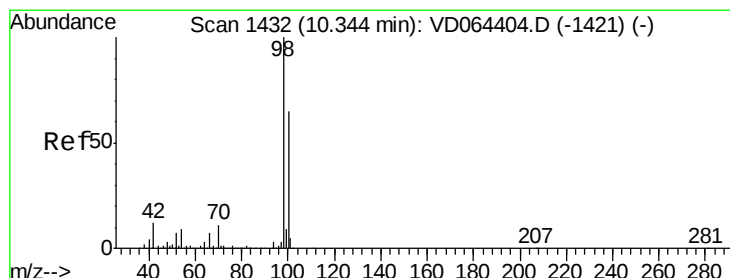
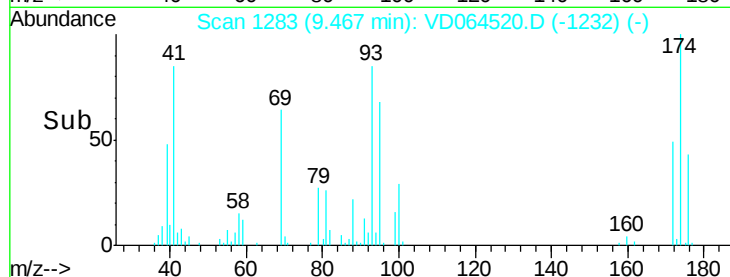
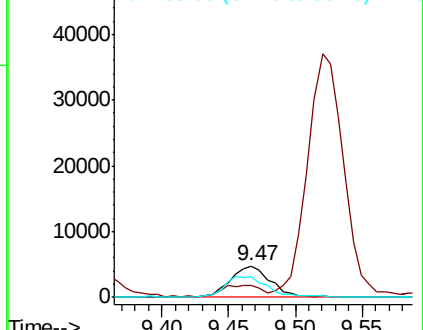
88 100

43 39.2 26.7 40.1

58 72.2 52.3 78.5



Abundance Ion 88.00 (87.70 to 88.70): VDC  
Ion 43.00 (42.70 to 43.70): VDC  
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.866 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD064520.D

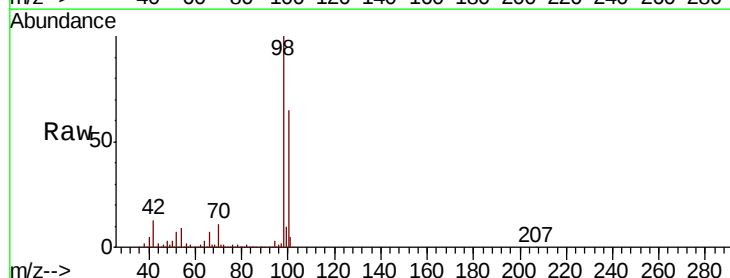
Acq: 16 Dec 2019 12:43

Tgt Ion: 98 Resp: 792818

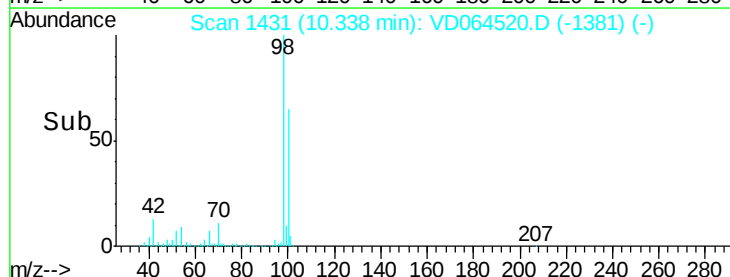
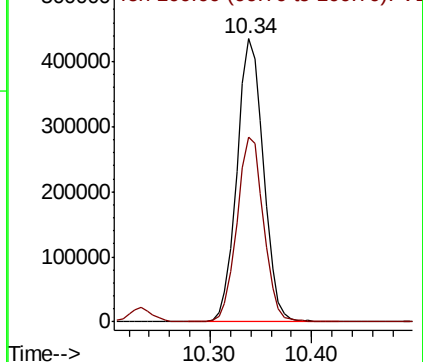
Ion Ratio Lower Upper

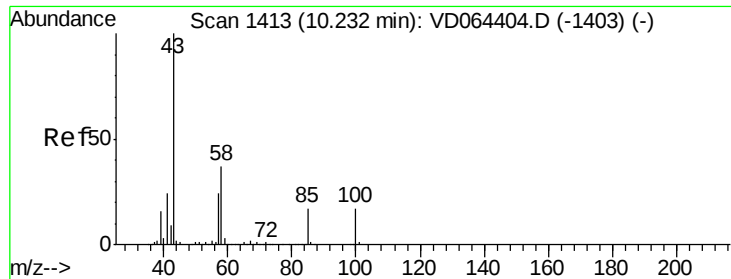
98 100

100 65.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC  
Ion 100.00 (99.70 to 100.70): VDC

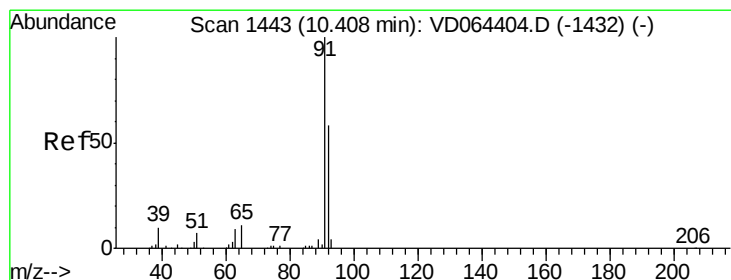
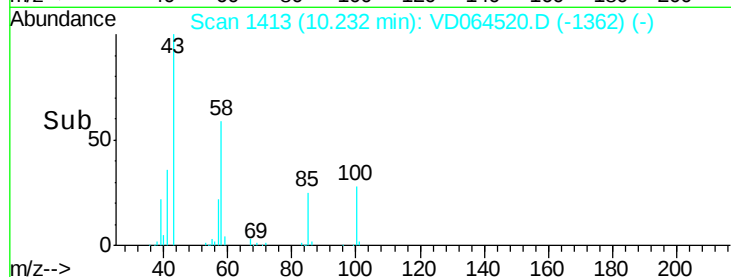
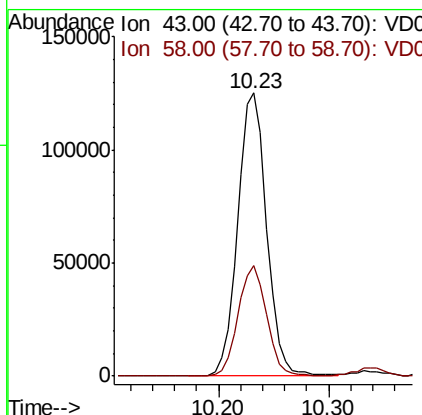
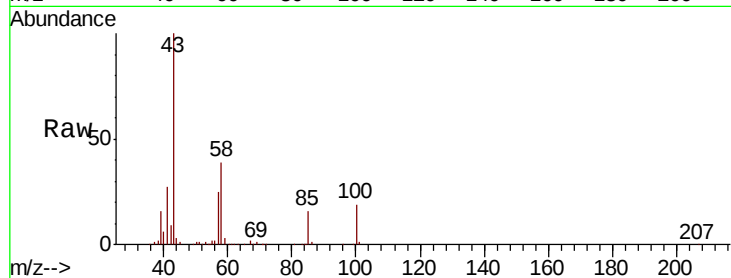




#51  
 4-Methyl-2-Pentanone  
 Concen: 91.855 ug/l  
 RT: 10.23 min Scan# 1413  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

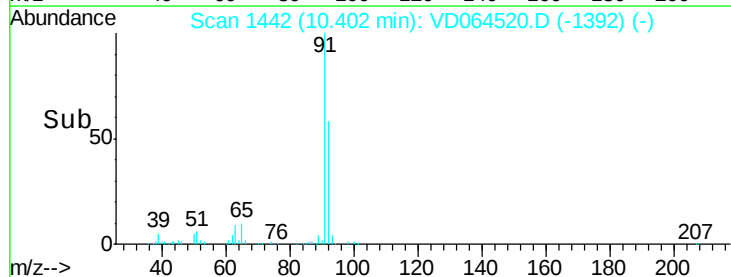
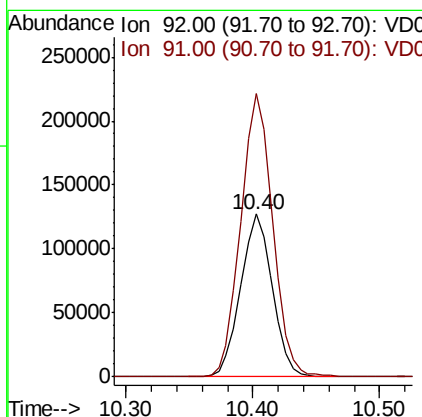
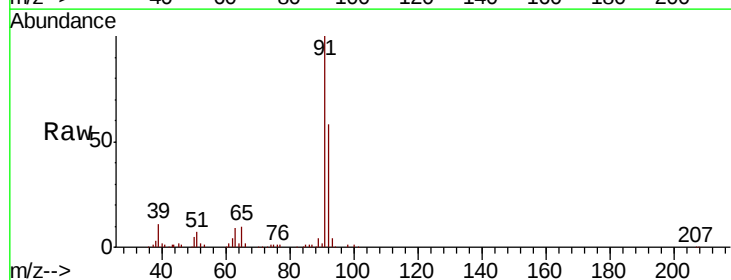
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

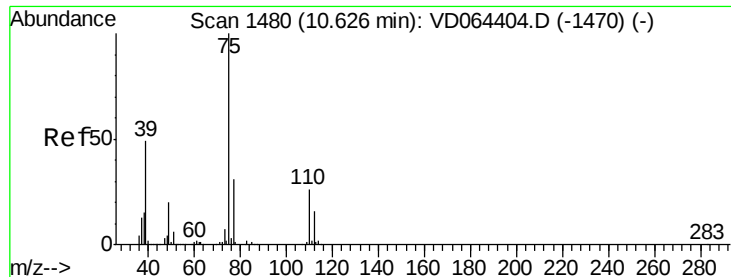
Tgt Ion: 43 Resp: 230998  
 Ion Ratio Lower Upper  
 43 100  
 58 38.4 30.6 46.0



#52  
 Toluene  
 Concen: 20.177 ug/l  
 RT: 10.40 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion: 92 Resp: 222486  
 Ion Ratio Lower Upper  
 92 100  
 91 175.0 137.8 206.6





#53

t-1,3-Dichloropropene

Concen: 19.999 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

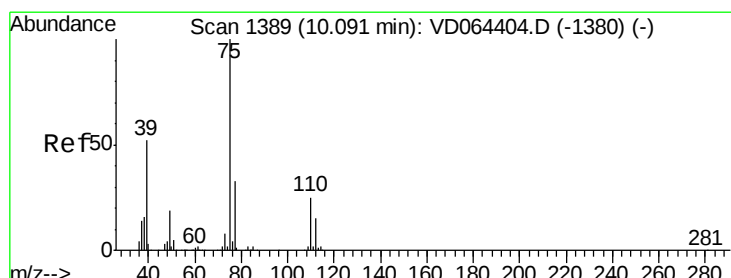
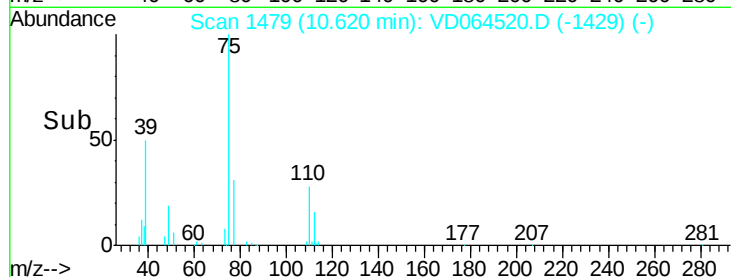
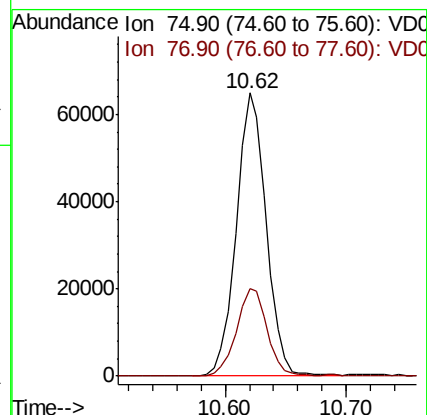
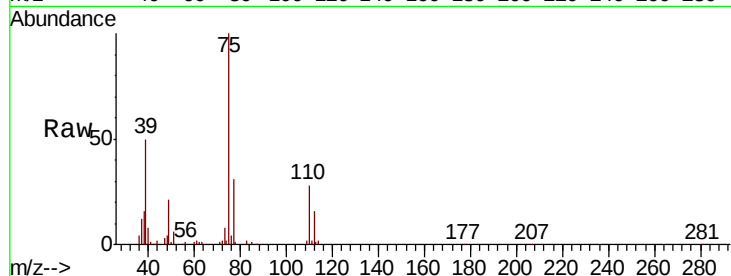
VD1216SBS01

Tgt Ion: 75 Resp: 111850

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.222 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

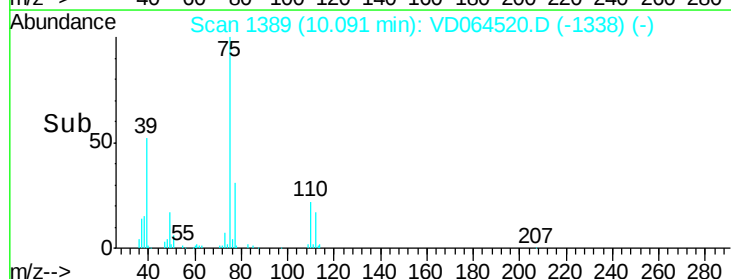
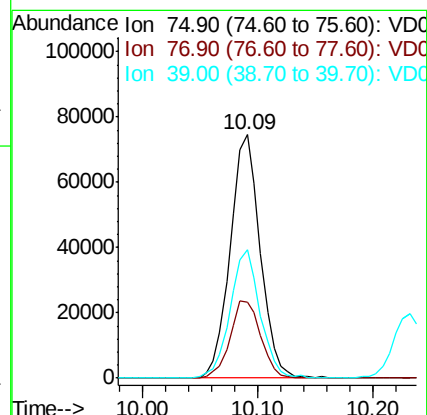
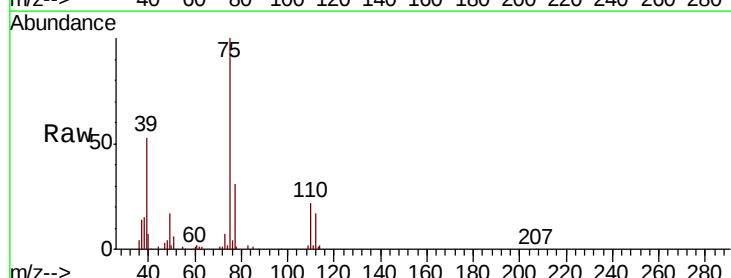
Tgt Ion: 75 Resp: 134359

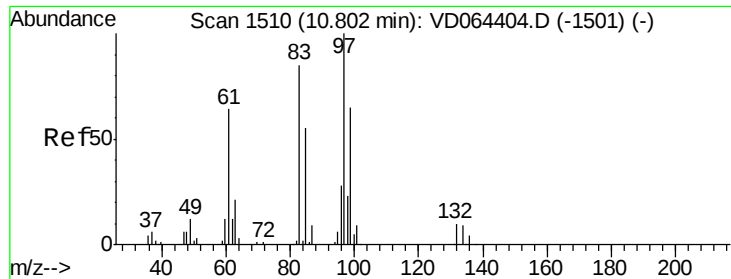
Ion Ratio Lower Upper

75 100

77 31.3 26.1 39.1

39 52.3 41.5 62.3

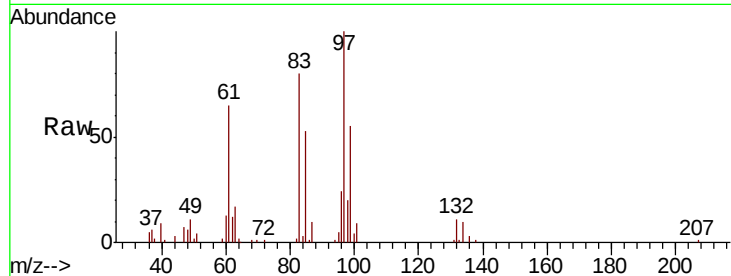




#55  
 1,1,2-Trichloroethane  
 Concen: 19.179 ug/l  
 RT: 10.80 min Scan# 1510  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 59979 |       |       |
| 97      | 100   |       |       |
| 83      | 80.0  | 67.8  | 101.8 |
| 85      | 52.6  | 43.7  | 65.5  |
| 99      | 55.4  | 51.7  | 77.5  |



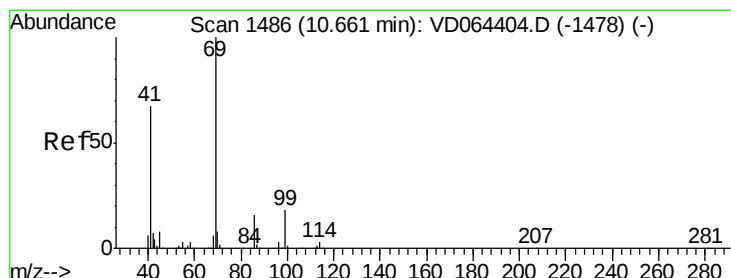
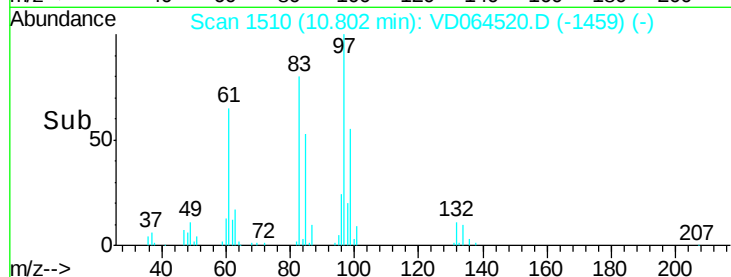
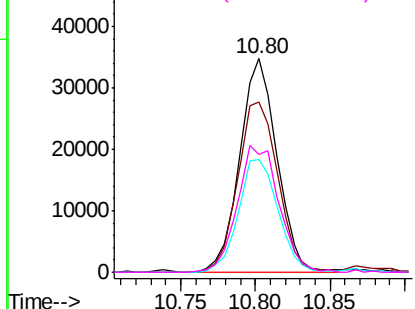
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

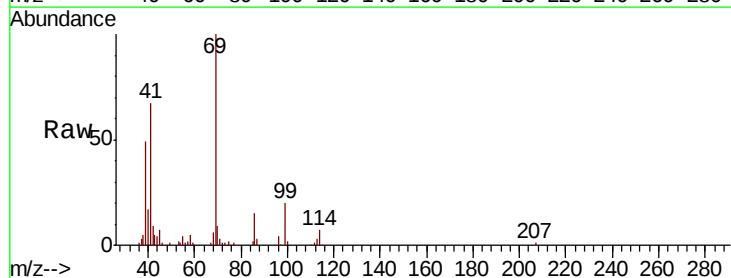
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56  
 Ethyl methacrylate  
 Concen: 18.533 ug/l  
 RT: 10.66 min Scan# 1486  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 73923 |       |       |
| 69      | 100   |       |       |
| 41      | 67.6  | 55.0  | 82.4  |
| 39      | 42.7  | 33.0  | 49.6  |

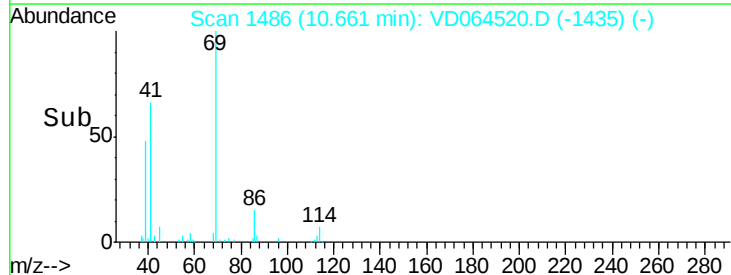
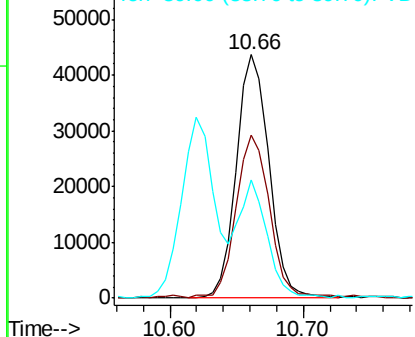


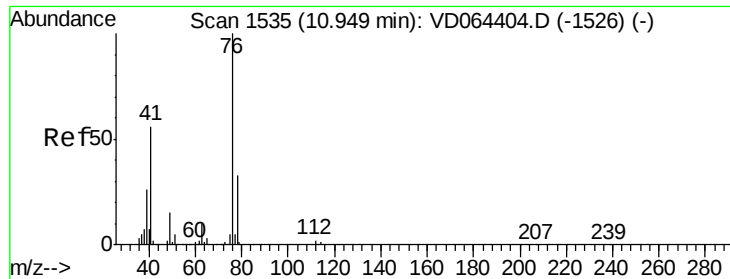
Abundance

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: 19.591 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

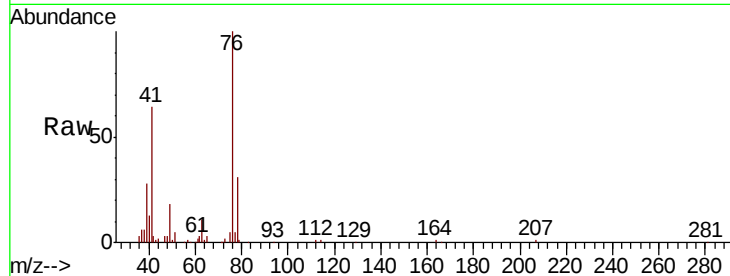
VD1216SBS01

Tgt Ion: 76 Resp: 104292

Ion Ratio Lower Upper

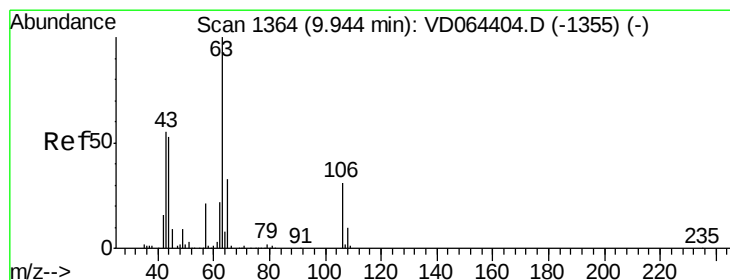
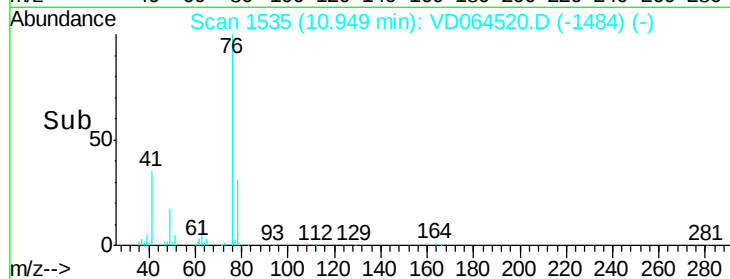
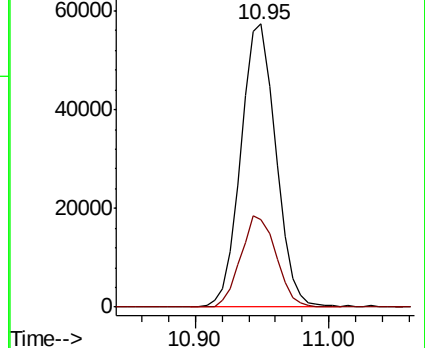
76 100

78 32.6 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: 103.147 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064520.D

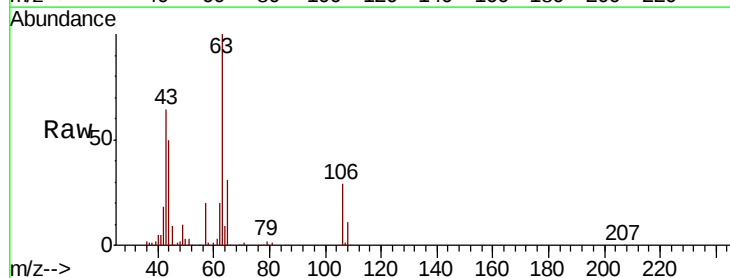
Acq: 16 Dec 2019 12:43

Tgt Ion: 63 Resp: 164007

Ion Ratio Lower Upper

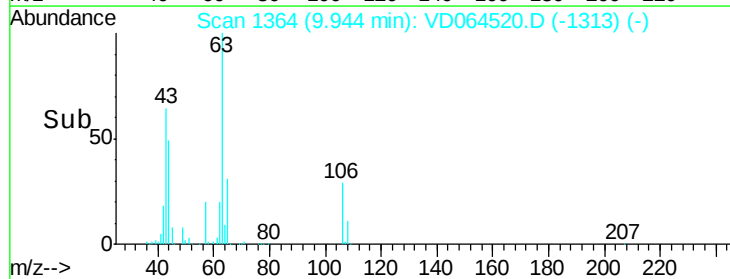
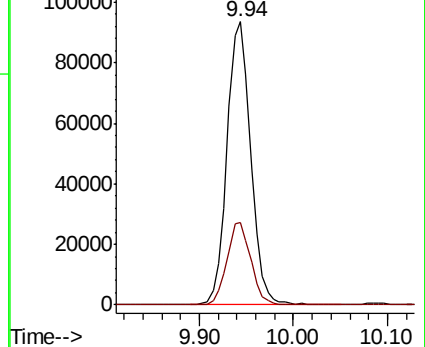
63 100

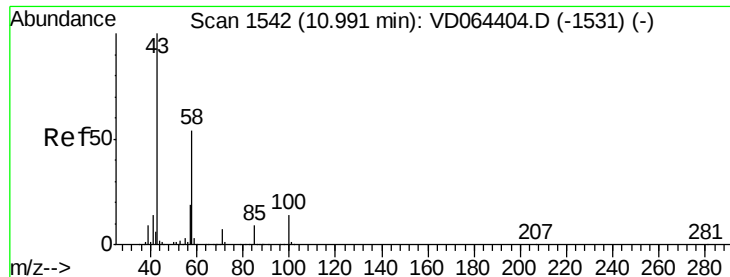
106 29.3 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

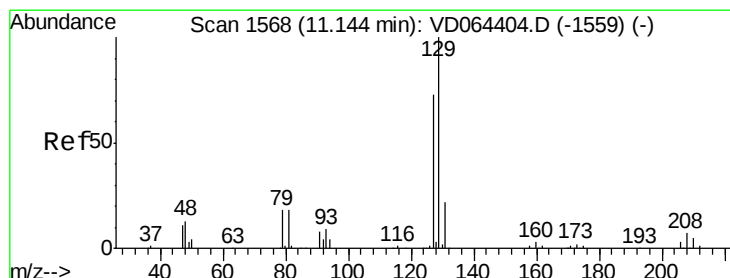
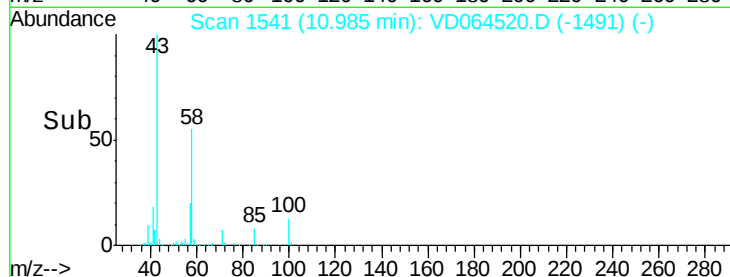
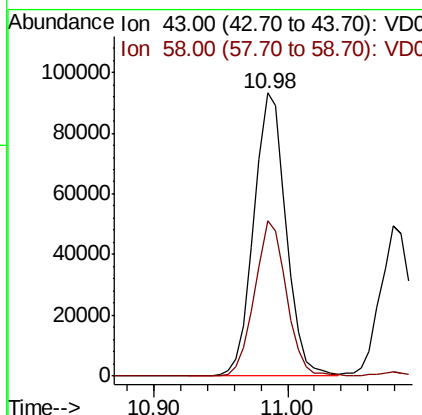
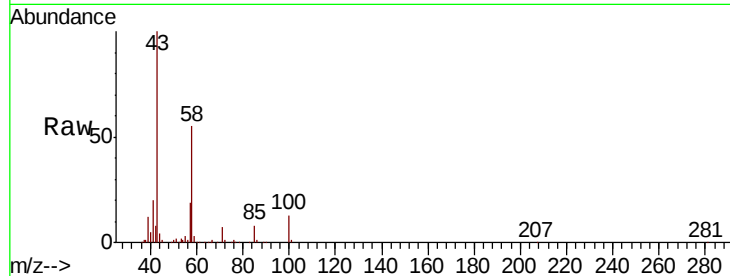




#59  
2-Hexanone  
Concen: 88.708 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. -0.01 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

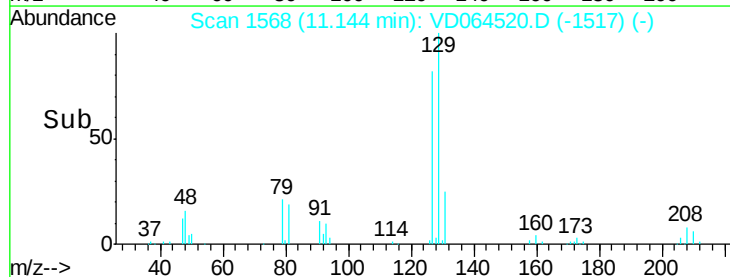
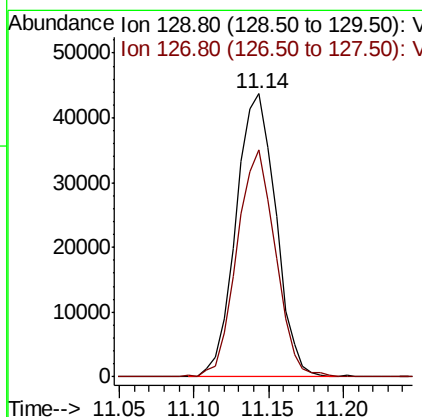
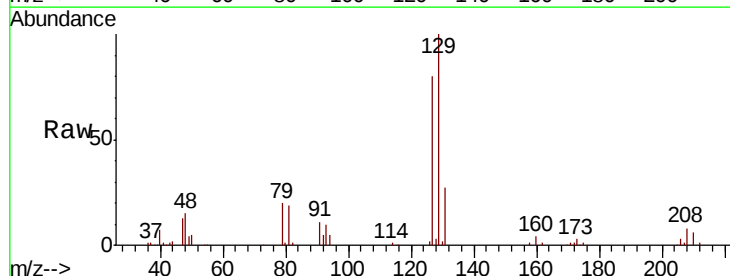
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

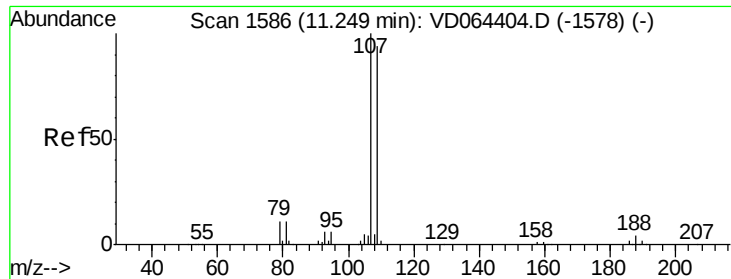
Tgt Ion: 43 Resp: 154795  
Ion Ratio Lower Upper  
43 100  
58 54.2 26.3 78.8



#60  
Dibromochloromethane  
Concen: 19.118 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion: 129 Resp: 81062  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.1 114.3

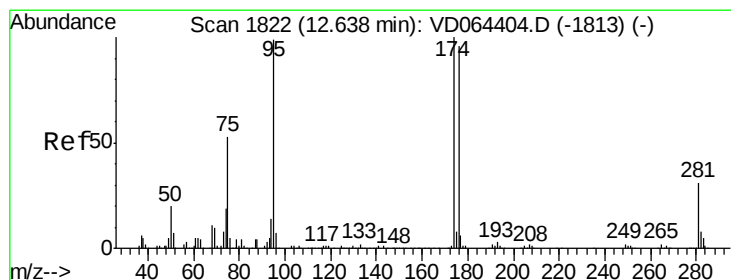
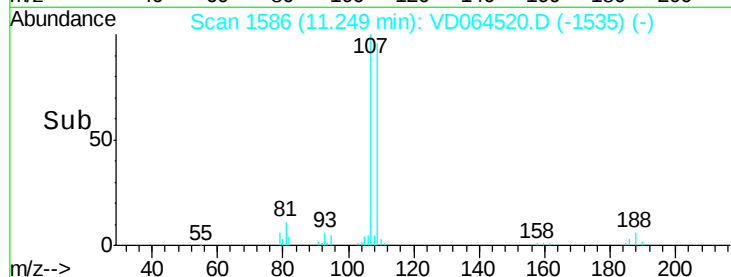
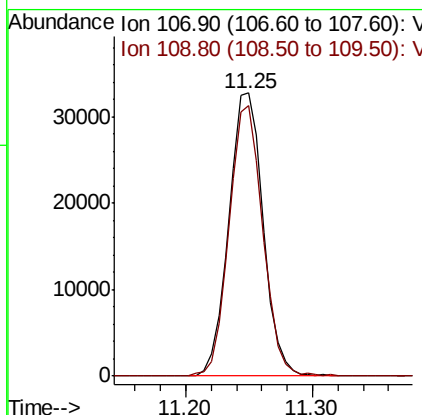
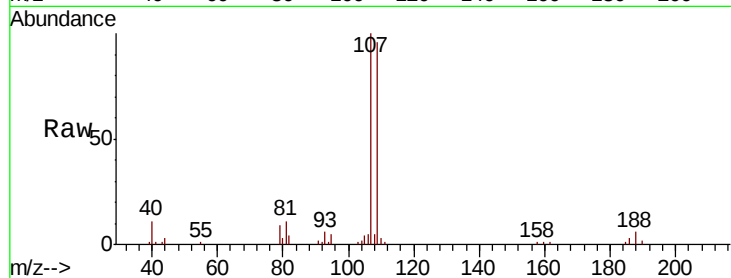




#61  
 1,2-Dibromoethane  
 Concen: 19.539 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

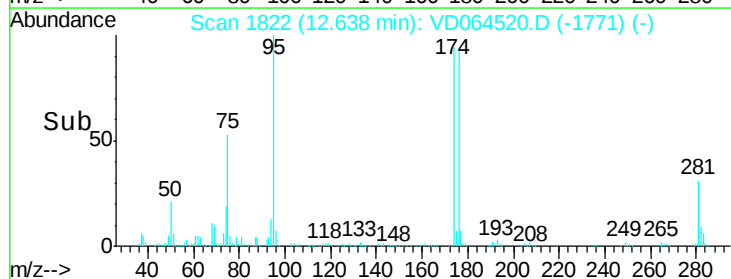
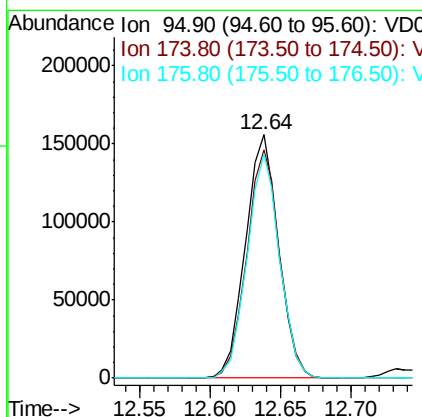
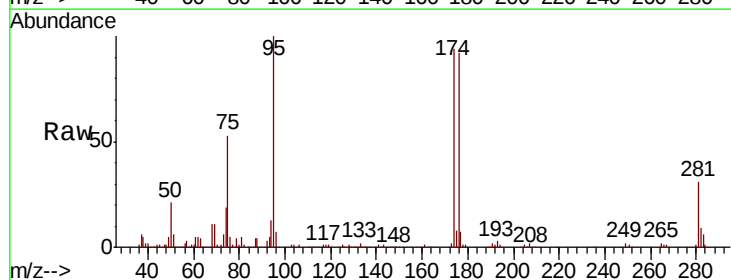
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

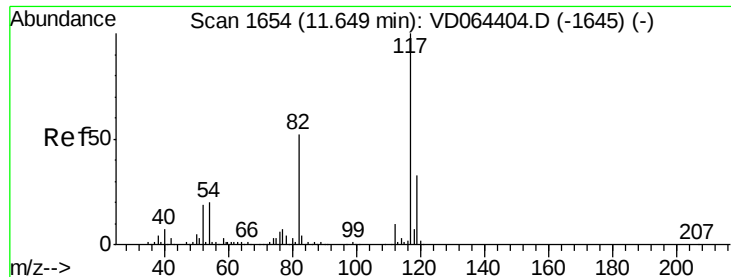
Tgt Ion: 107 Resp: 61009  
 Ion Ratio Lower Upper  
 107 100  
 109 94.0 76.2 114.2



#62  
 4-Bromofluorobenzene  
 Concen: 52.116 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion: 95 Resp: 256019  
 Ion Ratio Lower Upper  
 95 100  
 174 93.9 0.0 197.2  
 176 90.5 0.0 189.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

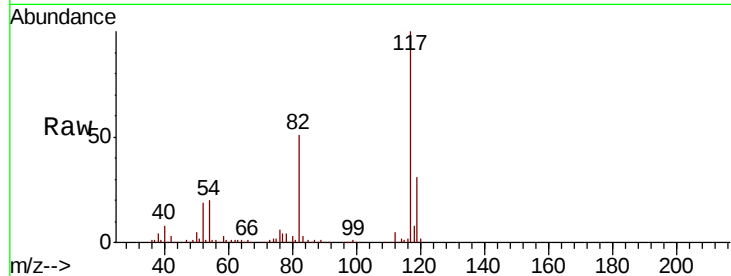
Tgt Ion:117 Resp: 561606

Ion Ratio Lower Upper

117 100

82 51.2 41.4 62.2

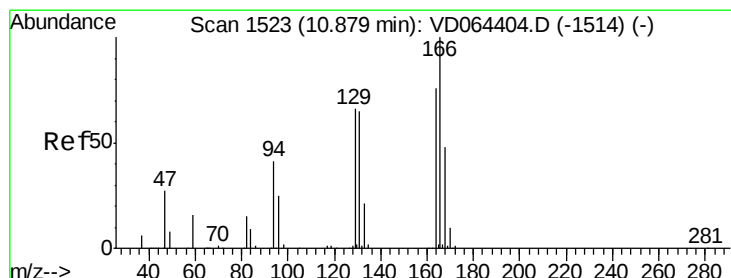
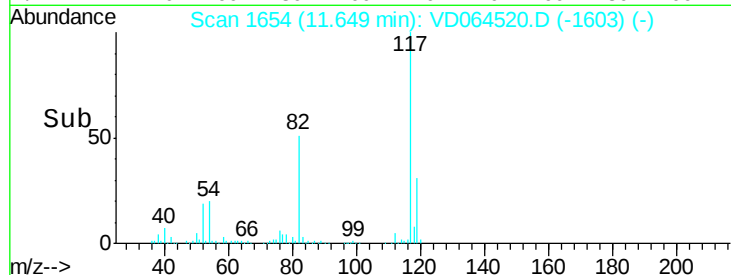
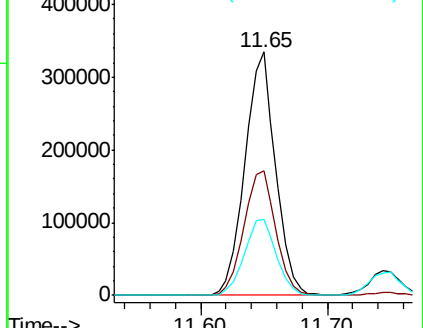
119 31.3 26.2 39.2



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: 21.085 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion:164 Resp: 90299

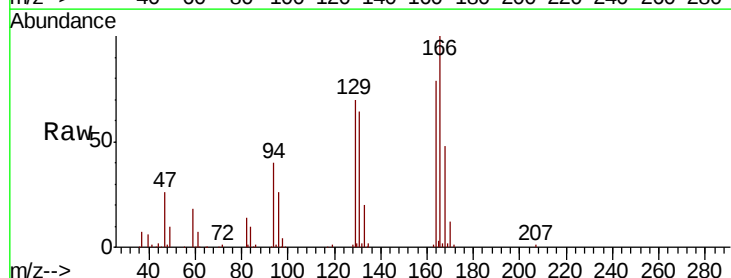
Ion Ratio Lower Upper

164 100

166 126.0 104.8 157.2

129 88.0 68.7 103.1

131 80.0 67.9 101.9

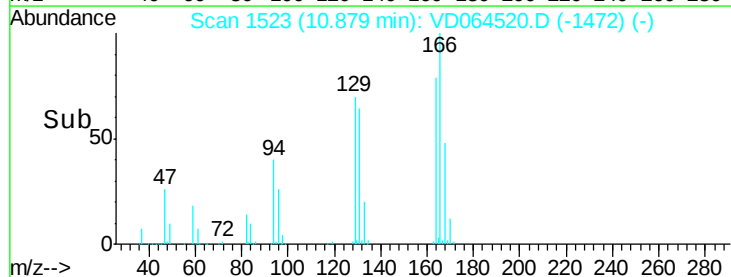
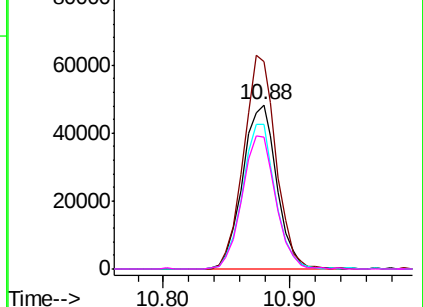


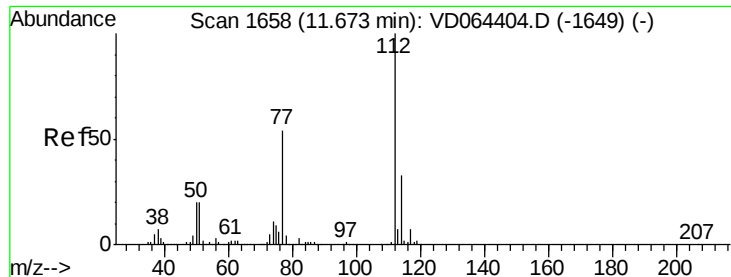
Abundance Ion 163.80 (163.50 to 164.50): V

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

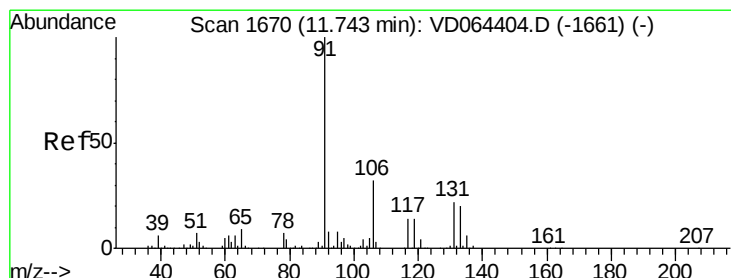
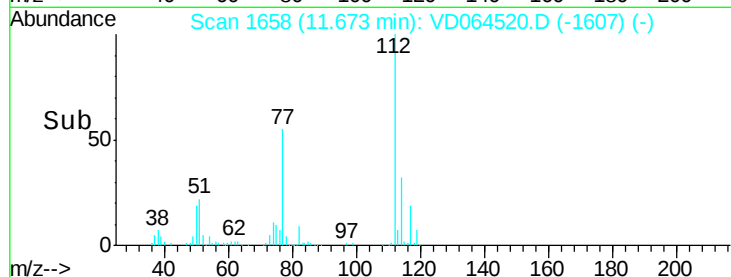
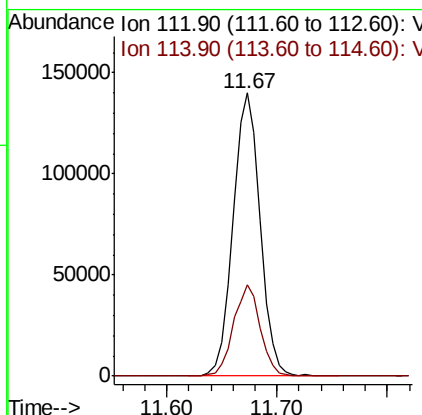
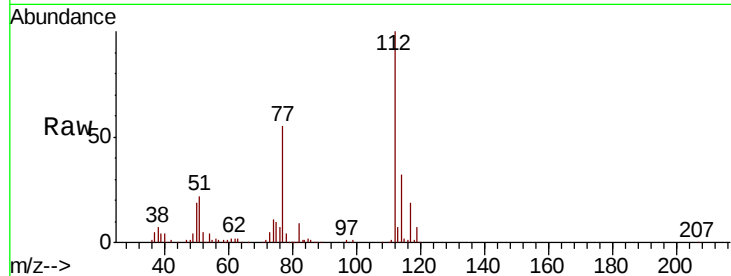




#65  
Chlorobenzene  
Concen: 20.569 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

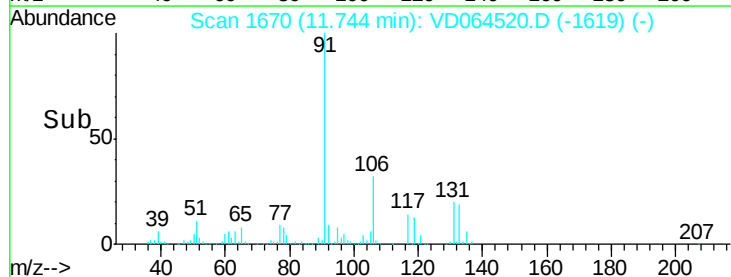
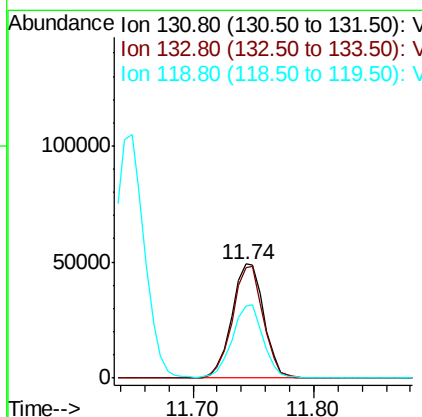
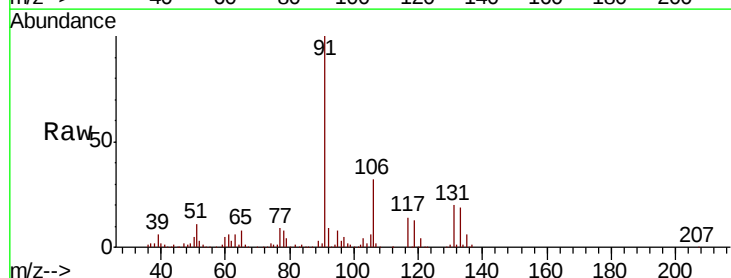
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

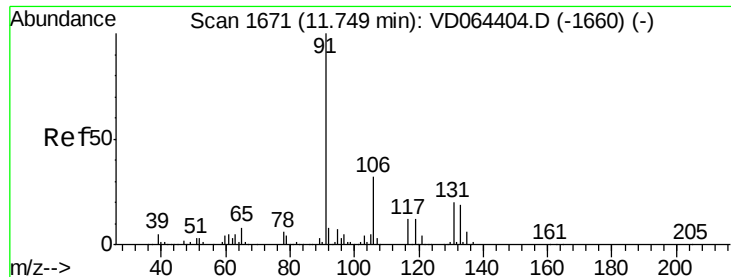
Tgt Ion:112 Resp: 240934  
Ion Ratio Lower Upper  
112 100  
114 32.4 26.5 39.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.911 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion:131 Resp: 90672  
Ion Ratio Lower Upper  
131 100  
133 94.9 48.3 144.9  
119 62.3 31.9 95.9

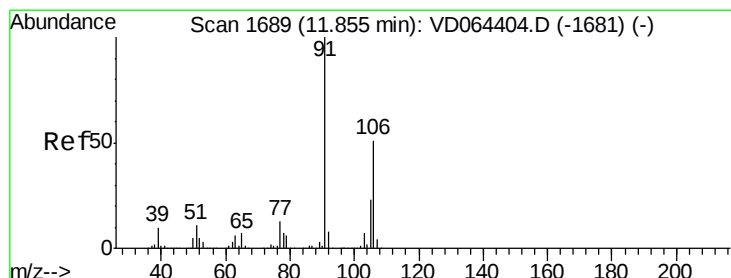
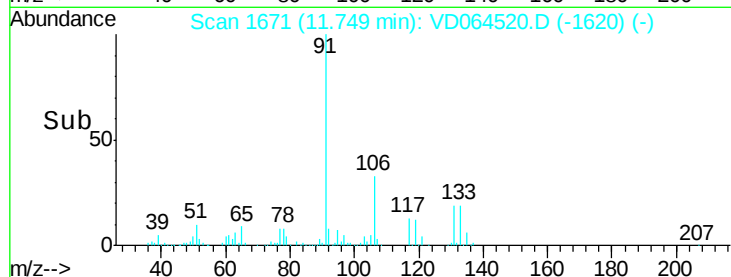
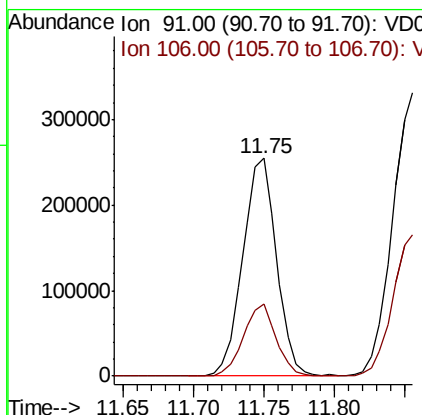
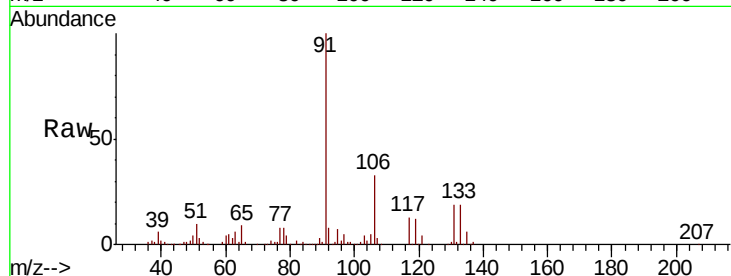




#67  
Ethyl Benzene  
Concen: 20.436 ug/l  
RT: 11.75 min Scan# 1671  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

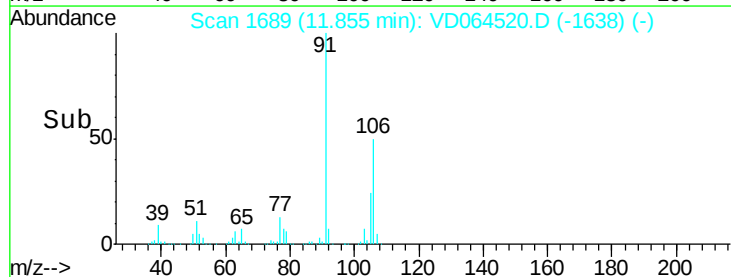
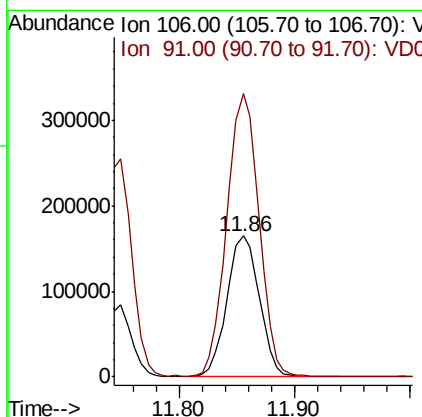
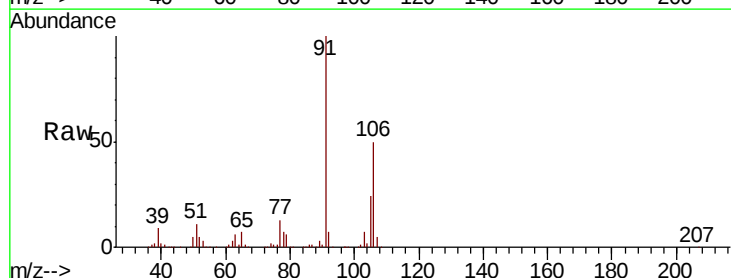
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

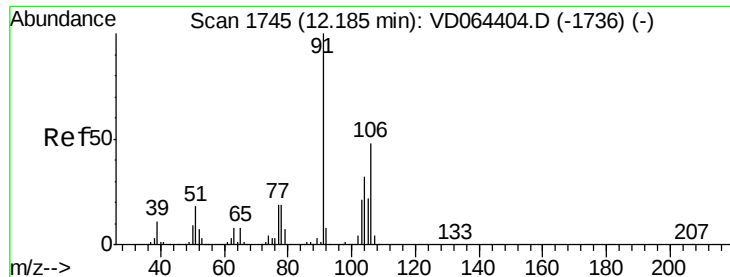
Tgt Ion: 91 Resp: 425892  
Ion Ratio Lower Upper  
91 100  
106 33.1 25.8 38.8



#68  
m/p-Xylenes  
Concen: 40.445 ug/l  
RT: 11.86 min Scan# 1689  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion: 106 Resp: 321385  
Ion Ratio Lower Upper  
106 100  
91 200.2 157.4 236.2

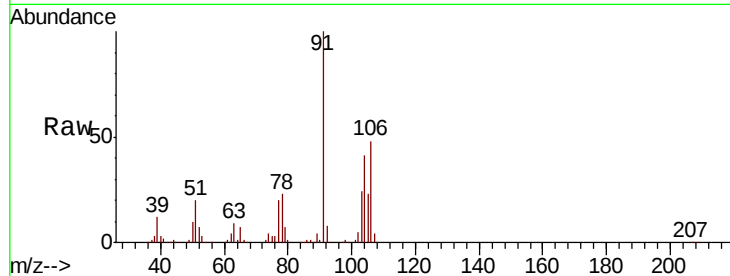




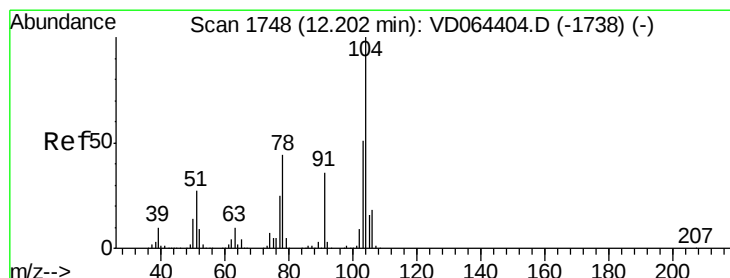
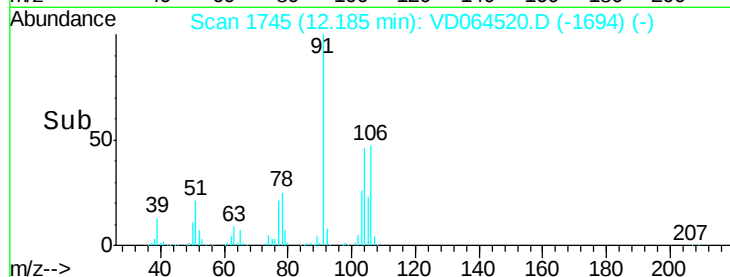
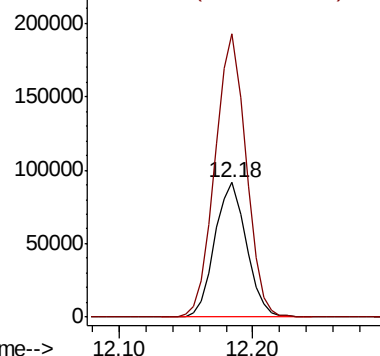
#69  
o-Xylene  
Concen: 20.443 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

Tgt Ion:106 Resp: 150028  
Ion Ratio Lower Upper  
106 100  
91 206.0 103.8 311.4

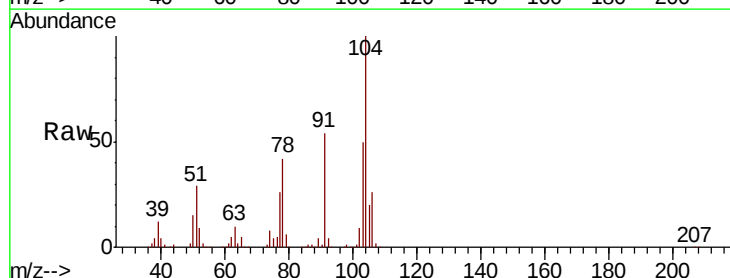


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

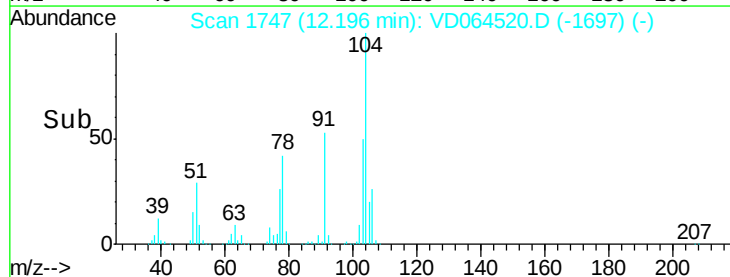
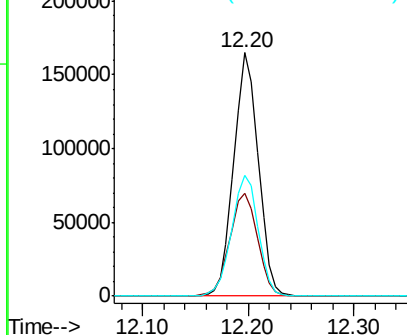


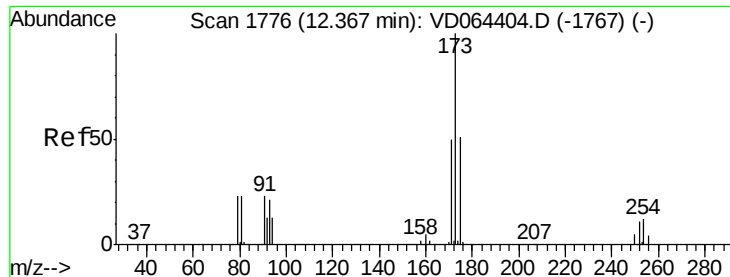
#70  
Styrene  
Concen: 20.817 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.01 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion:104 Resp: 265484  
Ion Ratio Lower Upper  
104 100  
78 47.5 38.8 58.2  
103 53.5 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): V  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.230 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

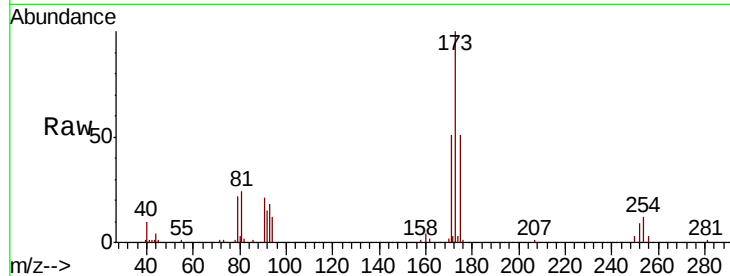
Tgt Ion:173 Resp: 49888

Ion Ratio Lower Upper

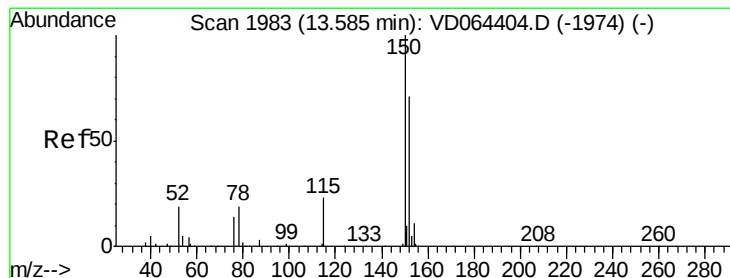
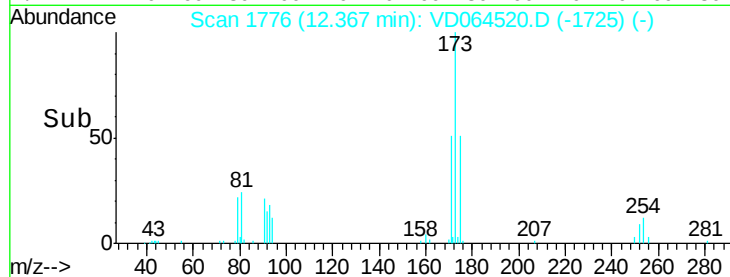
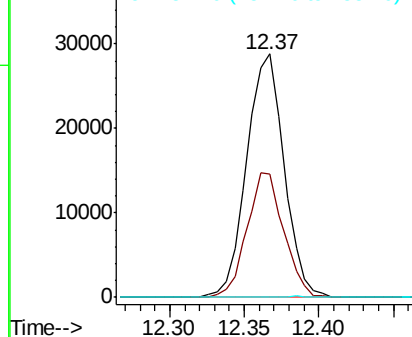
173 100

175 50.5 25.3 75.8

254 0.0 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: VD064520.D

Acq: 16 Dec 2019 12:43

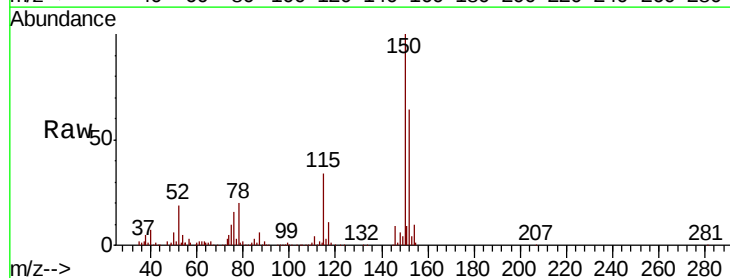
Tgt Ion:152 Resp: 286170

Ion Ratio Lower Upper

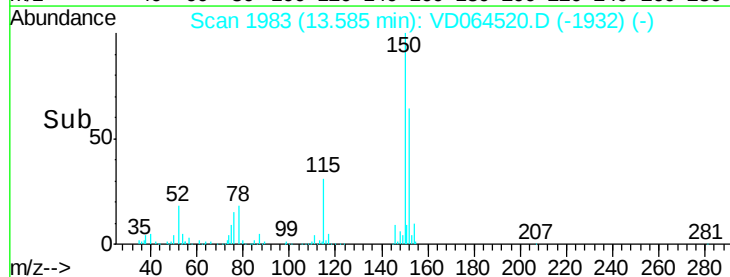
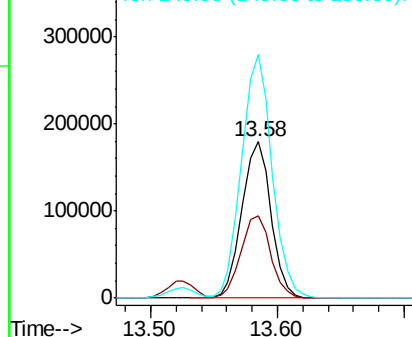
152 100

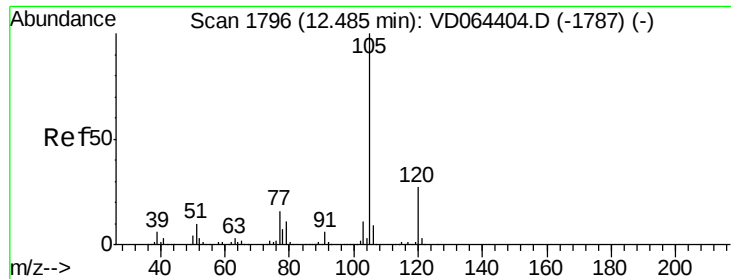
115 53.9 26.7 80.1

150 163.2 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: 19.817 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

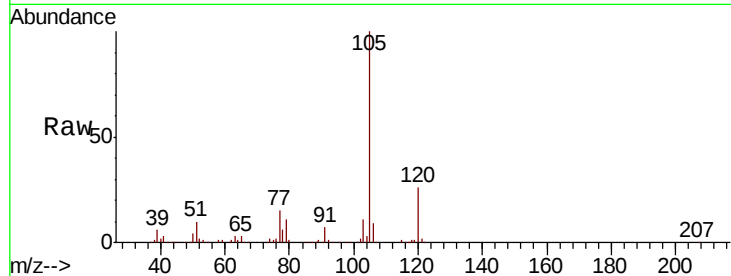
VD1216SBS01

Tgt Ion:105 Resp: 407873

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

250000

200000

150000

100000

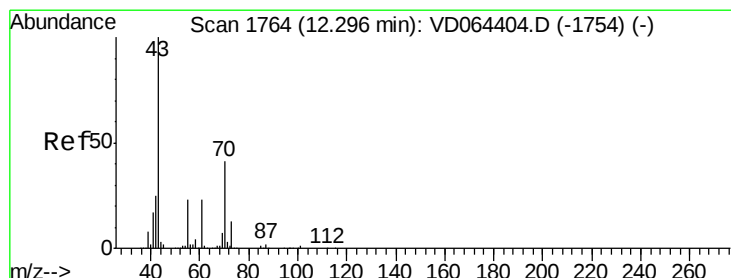
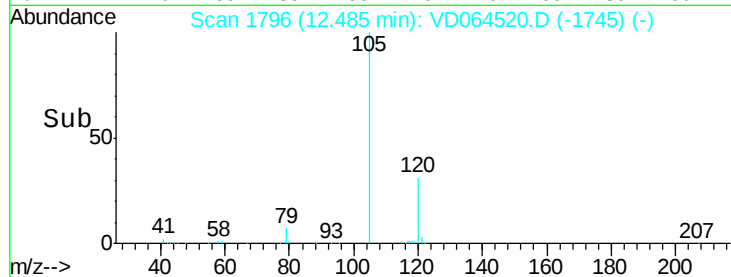
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.138 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Tgt Ion: 43 Resp: 84726

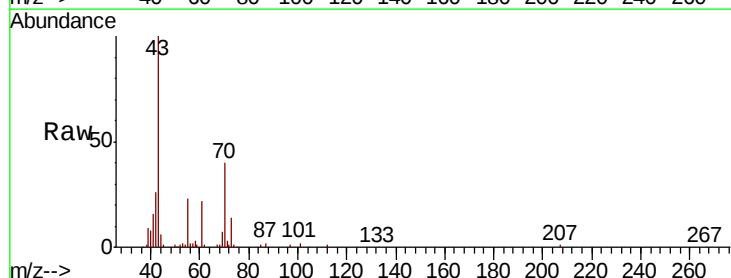
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.2

55 23.8 18.9 28.3

61 22.7 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

80000

60000

40000

20000

0

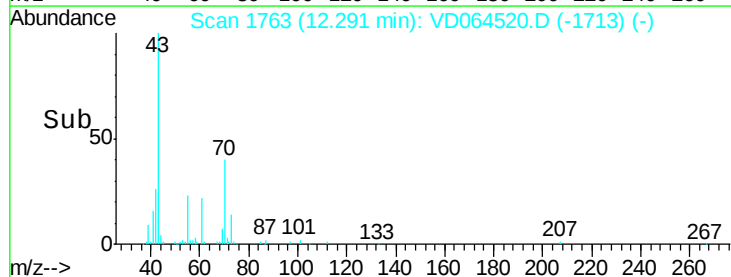
12.20

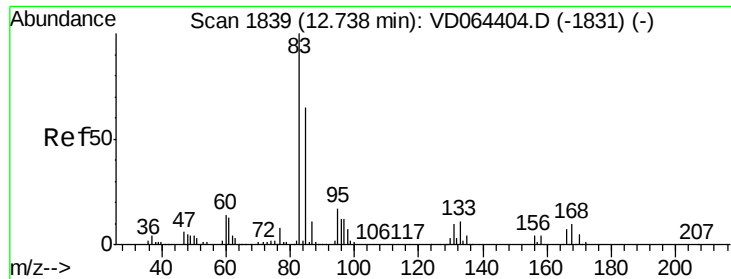
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.285 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

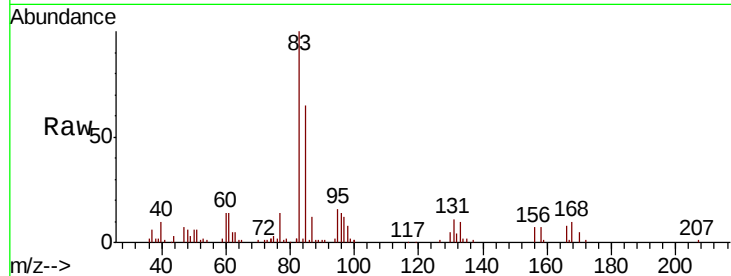
Tgt Ion: 83 Resp: 62234

Ion Ratio Lower Upper

83 100

131 10.9 5.7 17.0

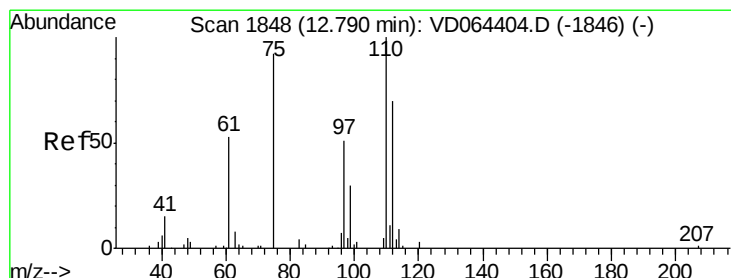
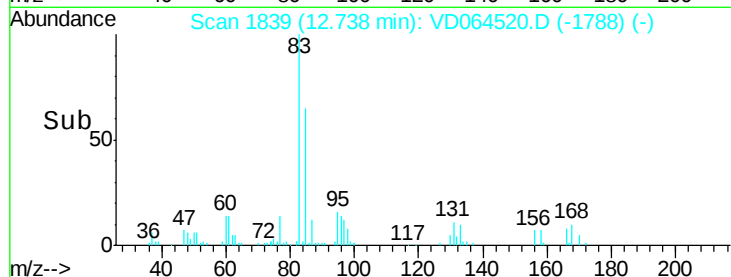
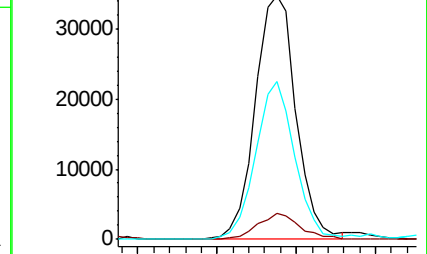
85 61.9 31.3 93.9



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: 36.018 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064520.D

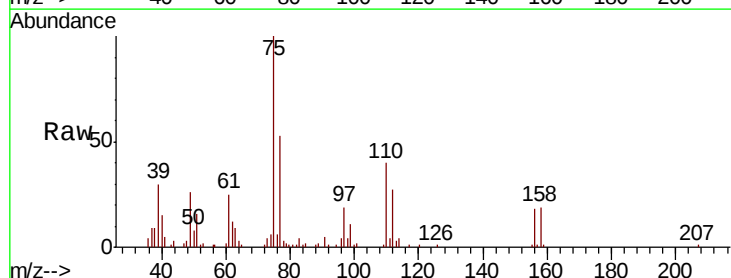
Acq: 16 Dec 2019 12:43

Tgt Ion: 75 Resp: 84764

Ion Ratio Lower Upper

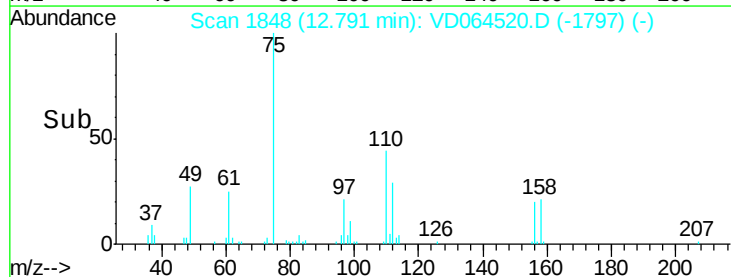
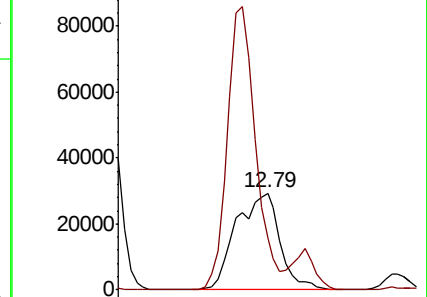
75 100

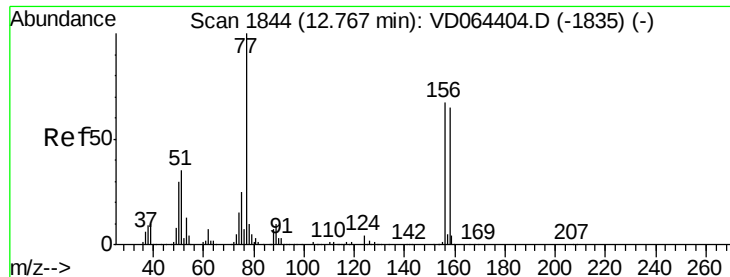
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.843 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

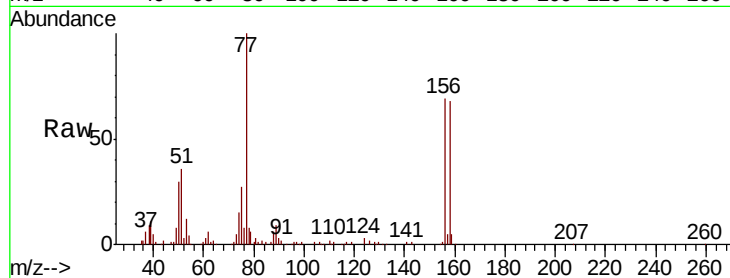
Tgt Ion:156 Resp: 100851

Ion Ratio Lower Upper

156 100

77 157.7 80.0 240.2

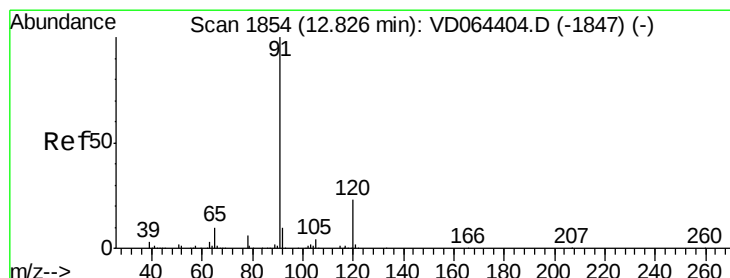
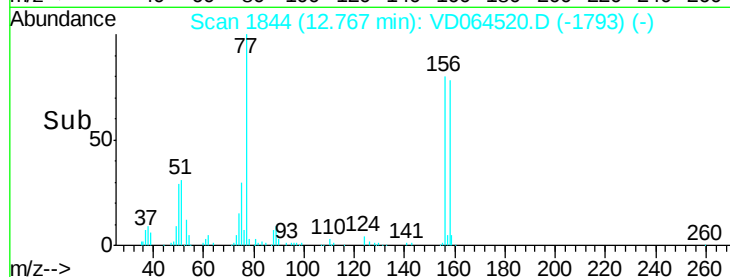
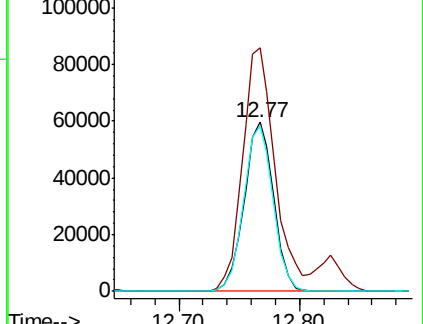
158 98.1 48.9 146.6



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: 19.923 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064520.D

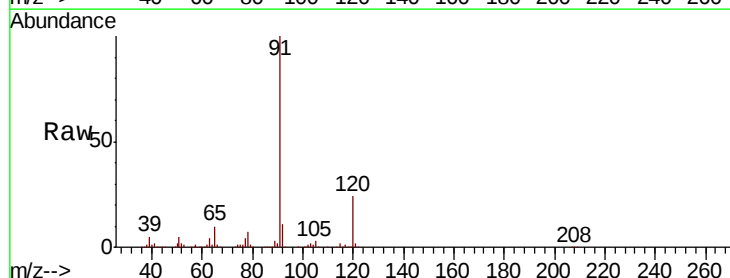
Acq: 16 Dec 2019 12:43

Tgt Ion: 91 Resp: 473111

Ion Ratio Lower Upper

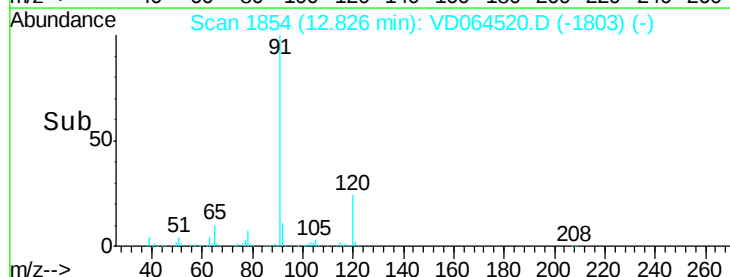
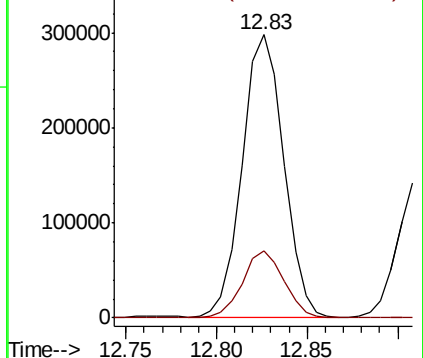
91 100

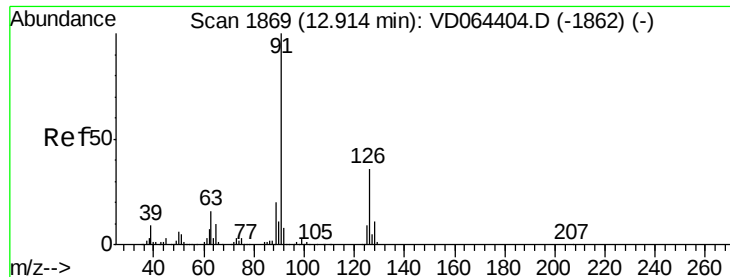
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

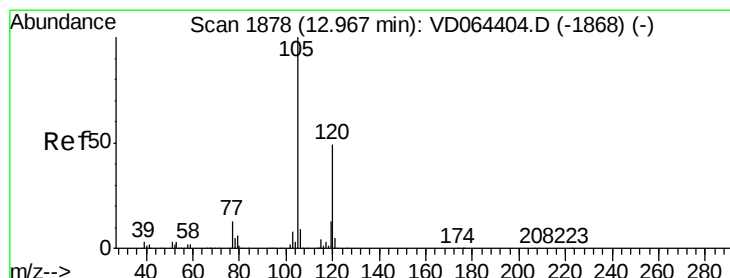
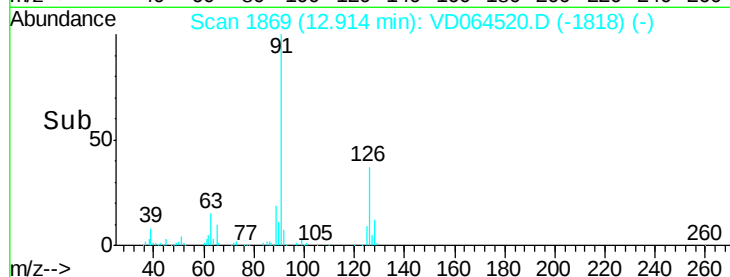
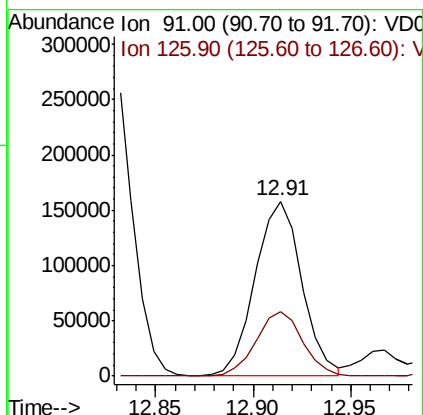
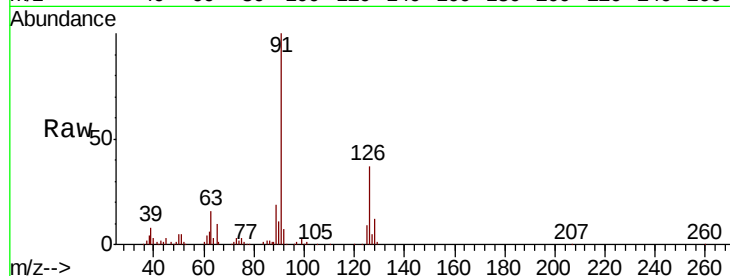




#79  
 2-Chlorotoluene  
 Concen: 19.985 ug/l  
 RT: 12.91 min Scan# 1869  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

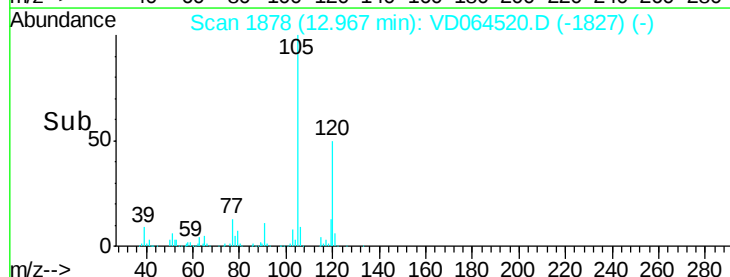
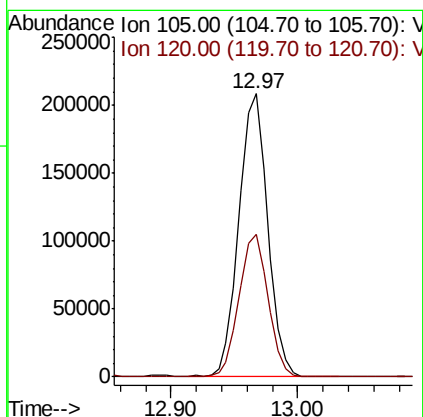
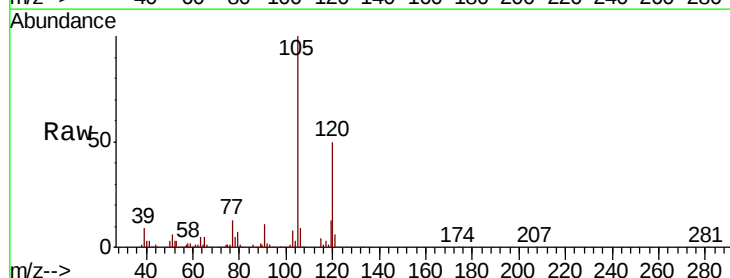
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

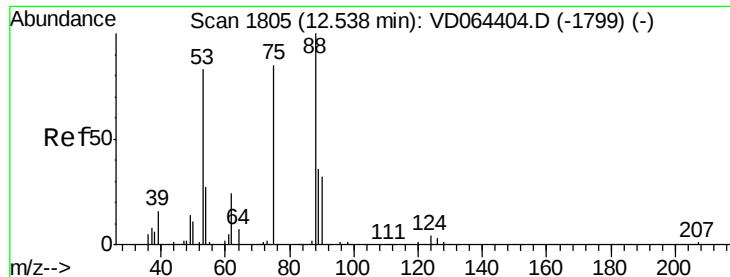
Tgt Ion: 91 Resp: 261146  
 Ion Ratio Lower Upper  
 91 100  
 126 37.0 18.0 54.0



#80  
 1,3,5-Trimethylbenzene  
 Concen: 19.559 ug/l  
 RT: 12.97 min Scan# 1878  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion: 105 Resp: 328972  
 Ion Ratio Lower Upper  
 105 100  
 120 50.6 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.628 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

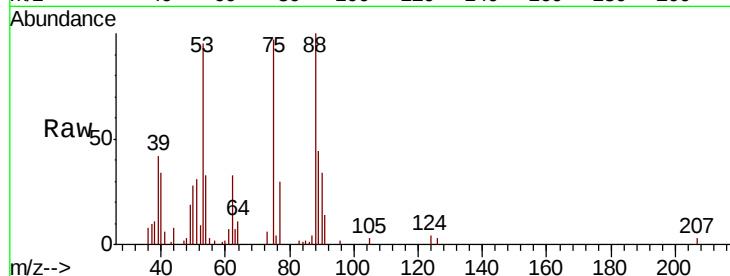
Tgt Ion: 75 Resp: 21184

Ion Ratio Lower Upper

75 100

53 98.2 81.0 121.6

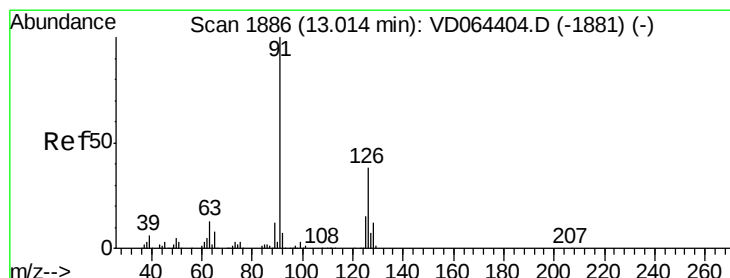
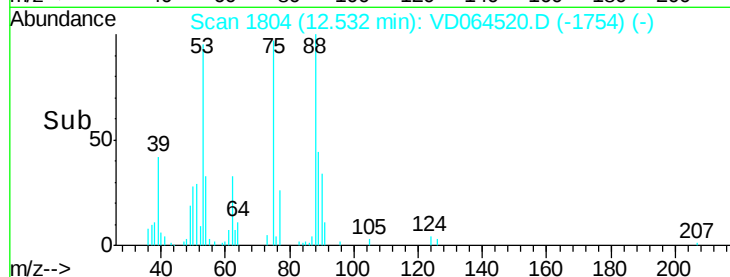
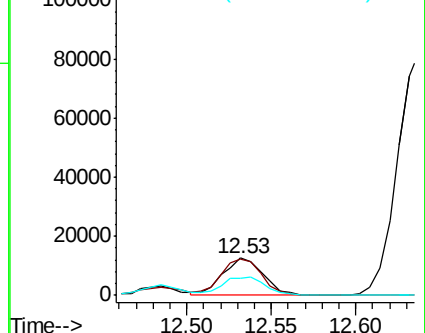
89 50.0 38.5 57.7



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: 20.152 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064520.D

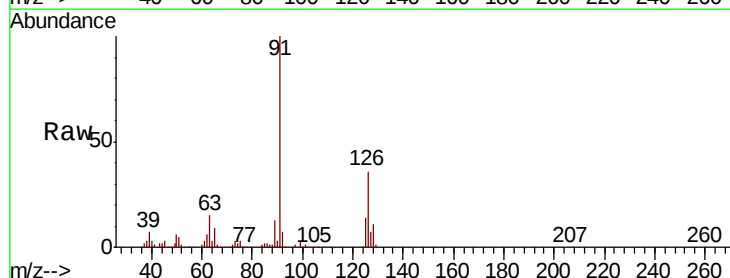
Acq: 16 Dec 2019 12:43

Tgt Ion: 91 Resp: 278807

Ion Ratio Lower Upper

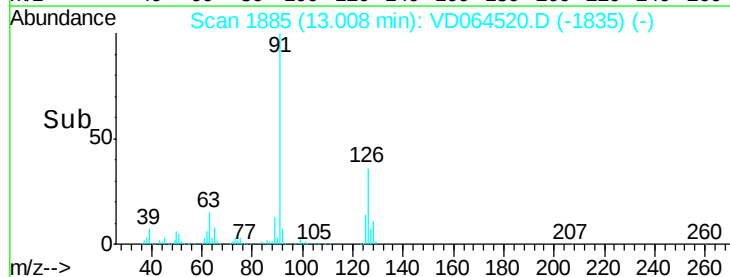
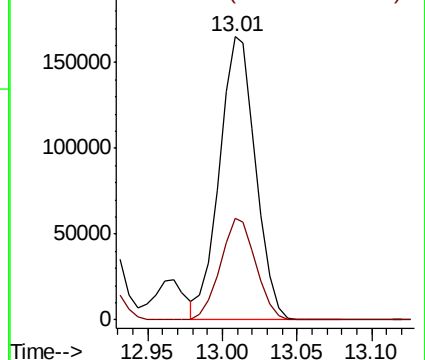
91 100

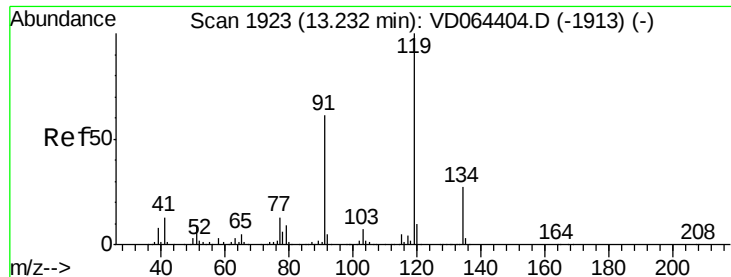
126 35.2 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

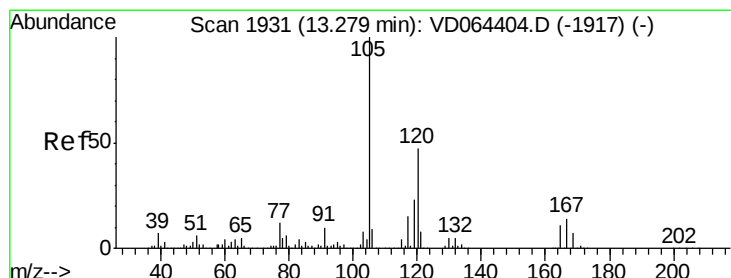
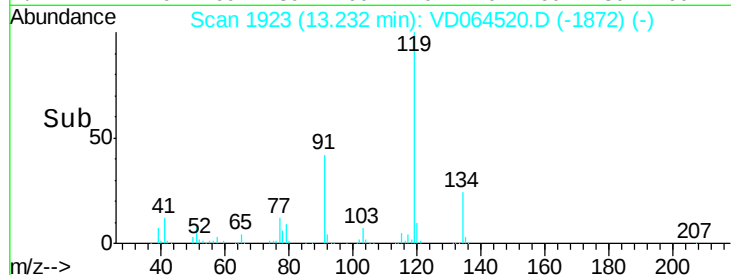
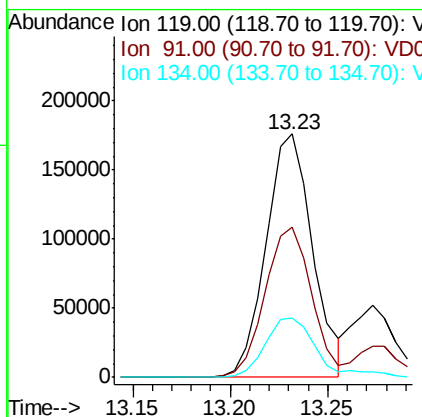
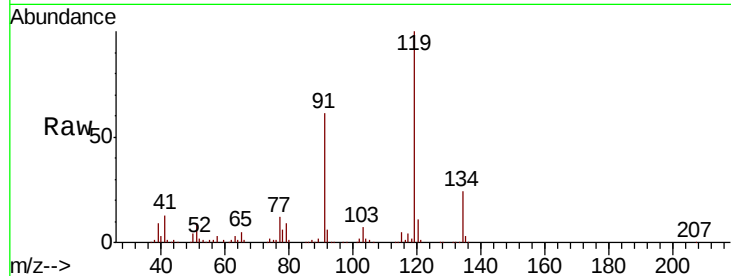




#83  
 tert-Butylbenzene  
 Concen: 19.938 ug/l  
 RT: 13.23 min Scan# 1923  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

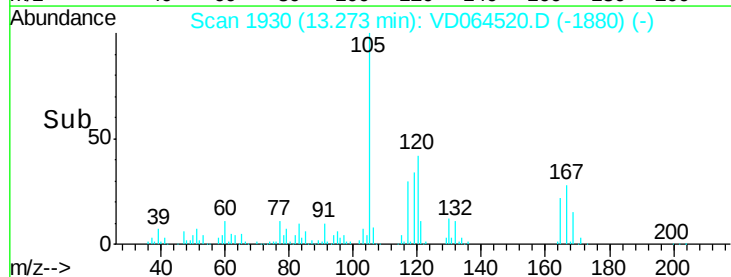
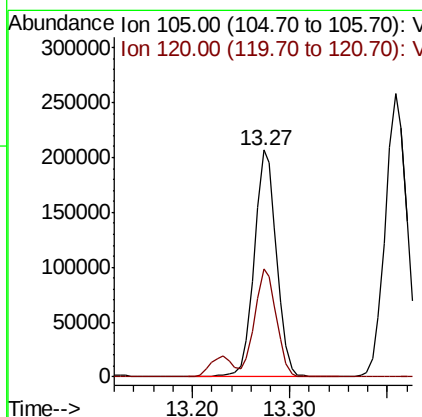
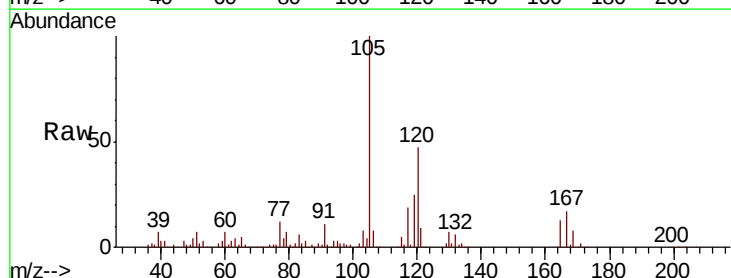
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

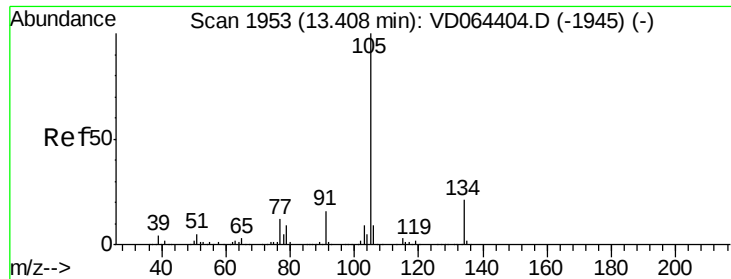
Tgt Ion:119 Resp: 291535  
 Ion Ratio Lower Upper  
 119 100  
 91 61.5 31.2 93.6  
 134 27.1 13.9 41.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 19.664 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion:105 Resp: 332557  
 Ion Ratio Lower Upper  
 105 100  
 120 46.0 23.6 70.8





#85

sec-Butylbenzene

Concen: 19.969 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

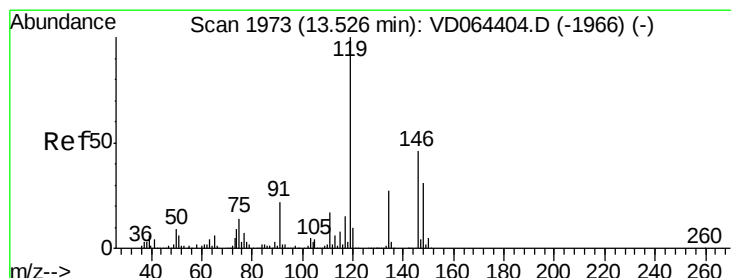
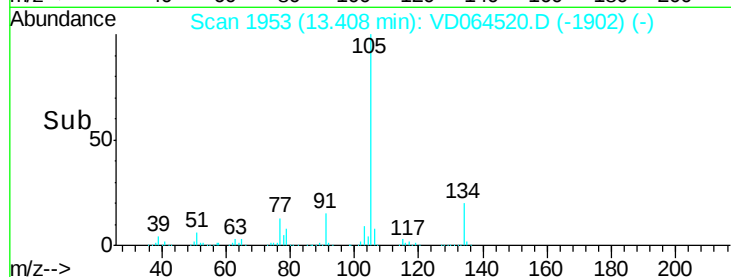
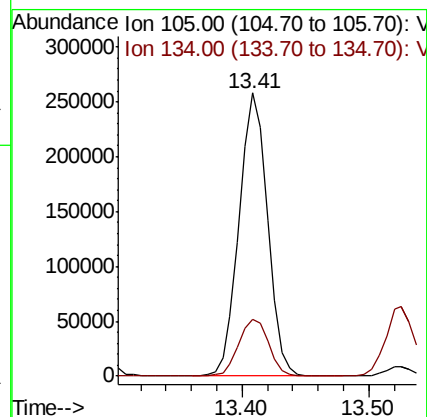
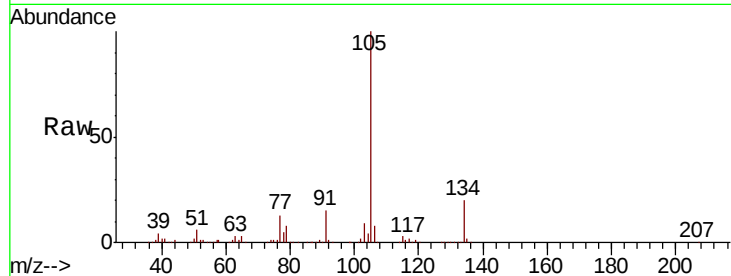
VD1216SBS01

Tgt Ion:105 Resp: 400759

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.5



#86

p-Isopropyltoluene

Concen: 19.544 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

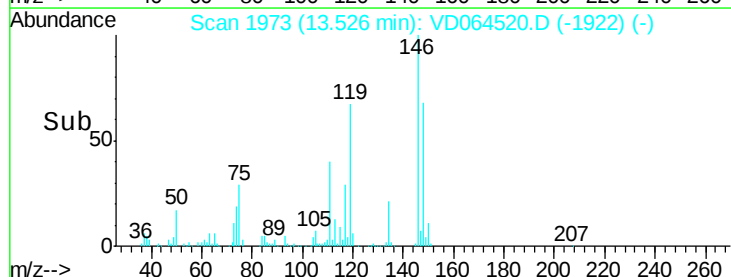
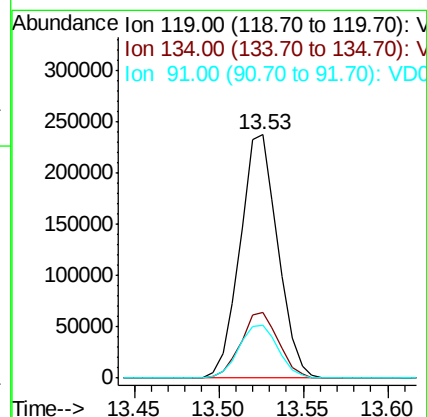
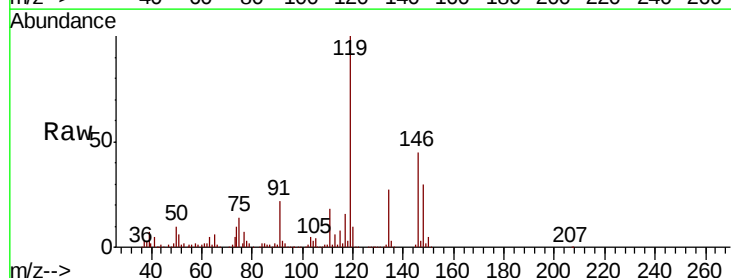
Tgt Ion:119 Resp: 370297

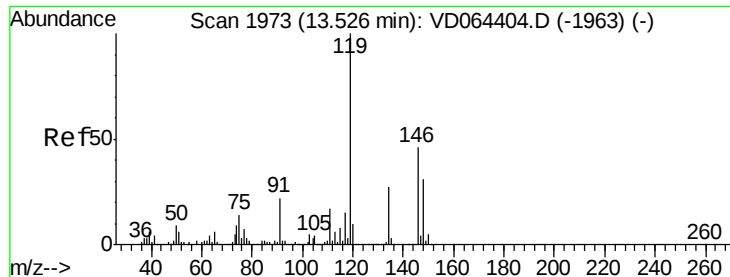
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.4 11.2 33.5

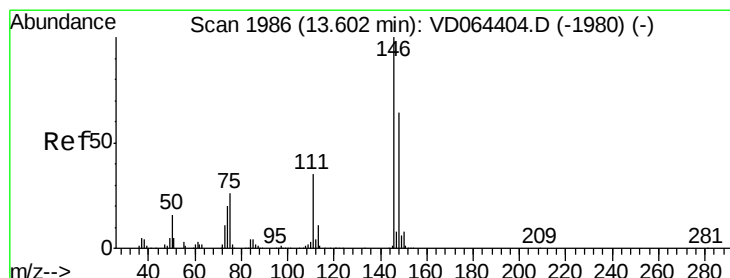
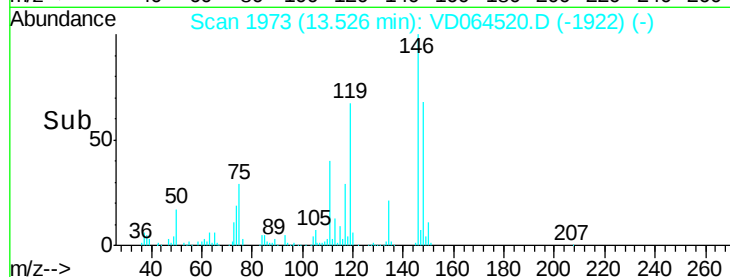
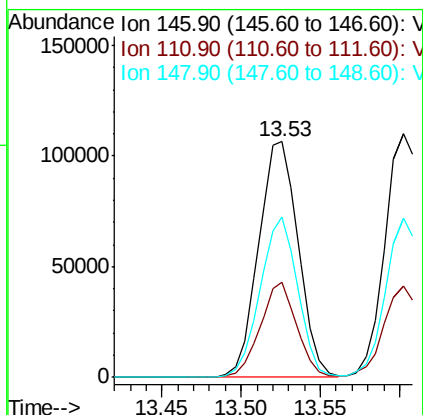
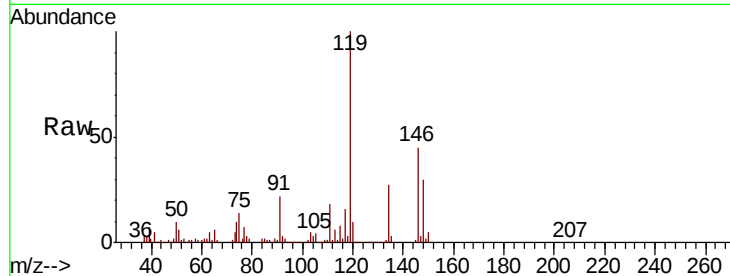




#87  
 1,3-Dichlorobenzene  
 Concen: 19.221 ug/l  
 RT: 13.53 min Scan# 1973  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

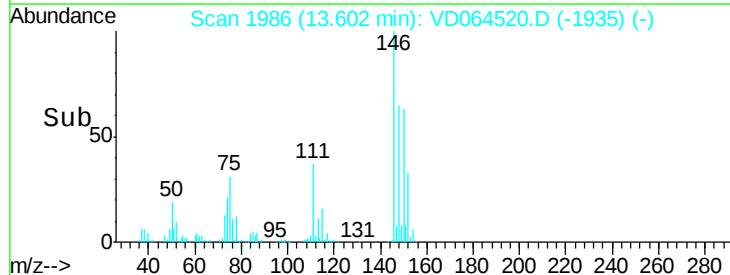
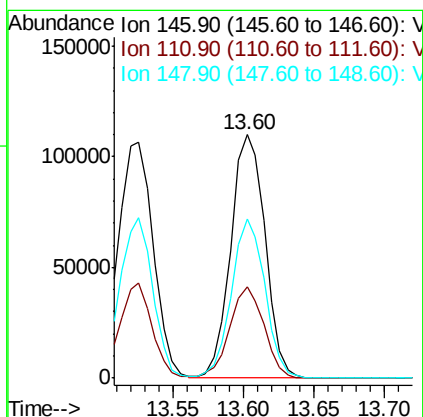
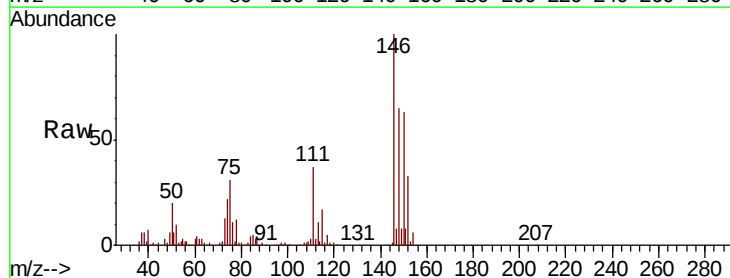
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

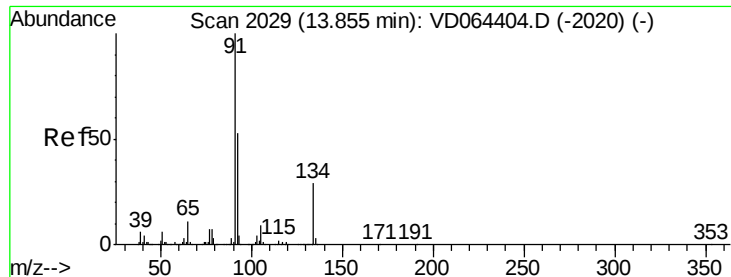
Tgt Ion:146 Resp: 185421  
 Ion Ratio Lower Upper  
 146 100  
 111 37.3 18.8 56.4  
 148 64.6 32.6 97.8



#88  
 1,4-Dichlorobenzene  
 Concen: 19.578 ug/l  
 RT: 13.60 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion:146 Resp: 186457  
 Ion Ratio Lower Upper  
 146 100  
 111 37.6 18.2 54.6  
 148 63.8 31.8 95.4

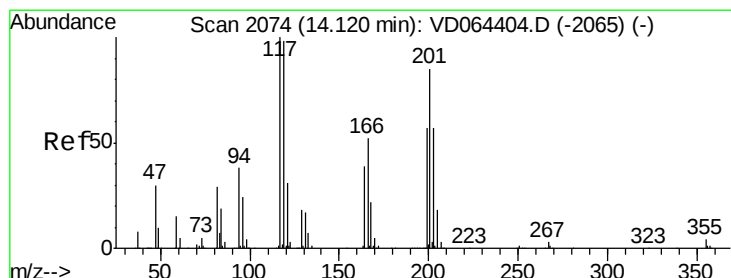
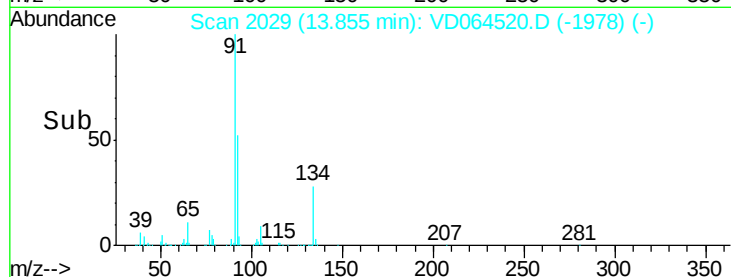
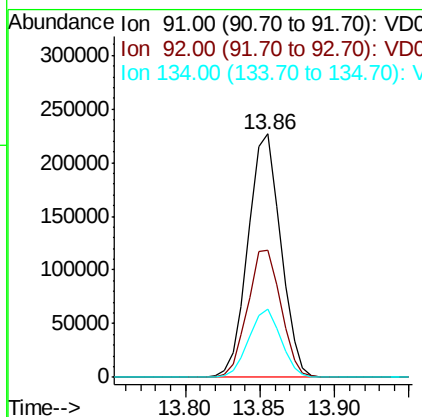
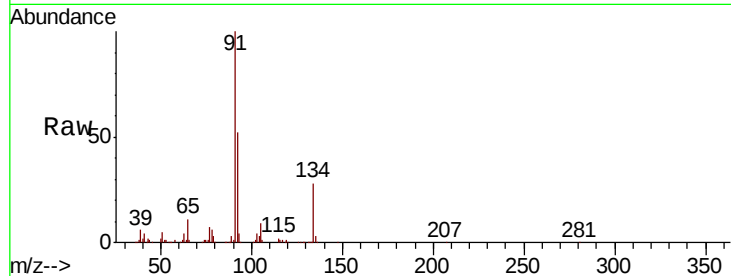




#89  
n-Butylbenzene  
Concen: 19.939 ug/l  
RT: 13.86 min Scan# 2029  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

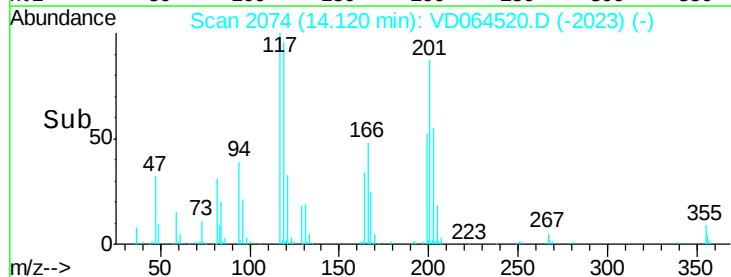
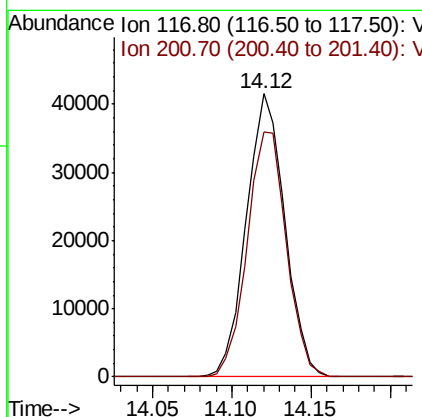
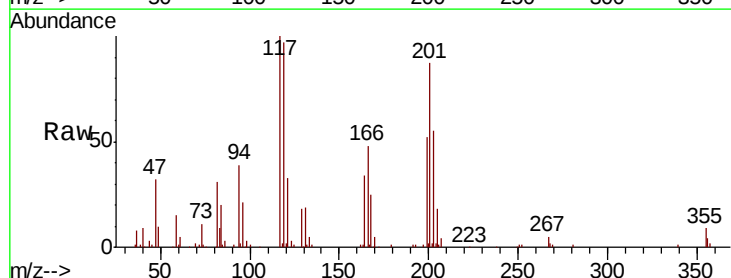
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1216SBS01

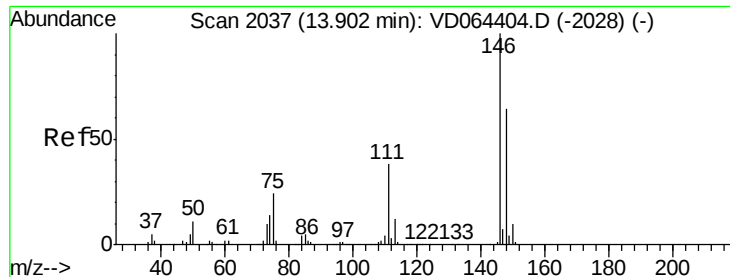
Tgt Ion: 91 Resp: 343063  
Ion Ratio Lower Upper  
91 100  
92 53.5 26.5 79.4  
134 27.8 13.9 41.7



#90  
Hexachloroethane  
Concen: 19.792 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: VD064520.D  
Acq: 16 Dec 2019 12:43

Tgt Ion: 117 Resp: 70139  
Ion Ratio Lower Upper  
117 100  
201 88.4 44.3 132.8

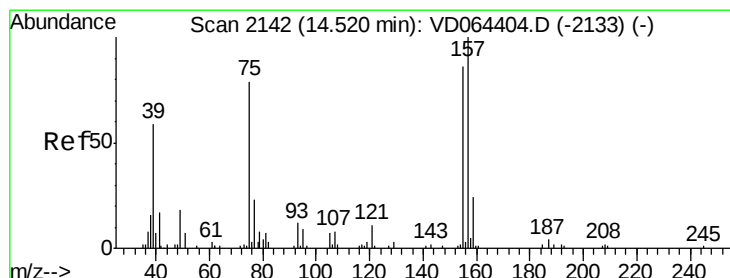
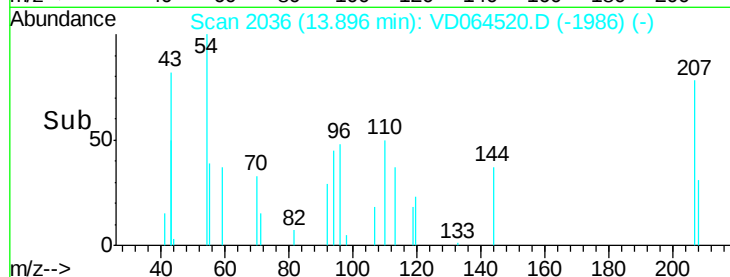
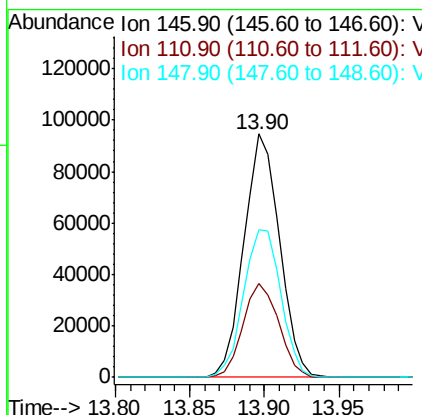
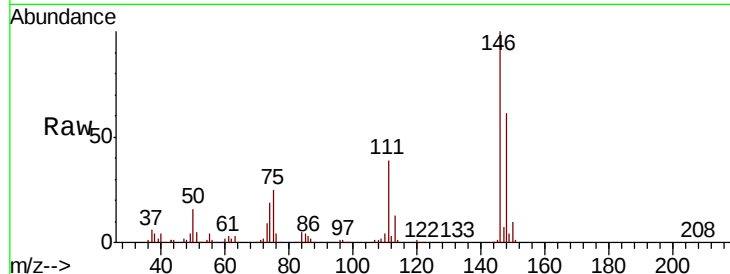




#91  
 1,2-Dichlorobenzene  
 Concen: 18.949 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

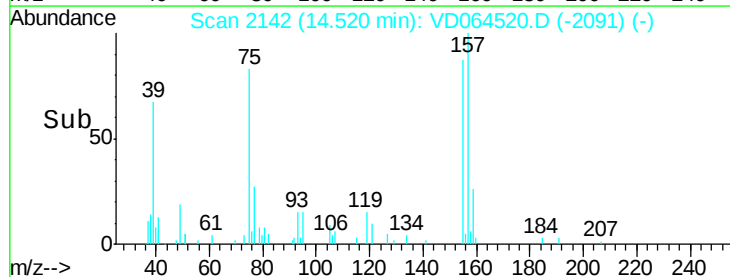
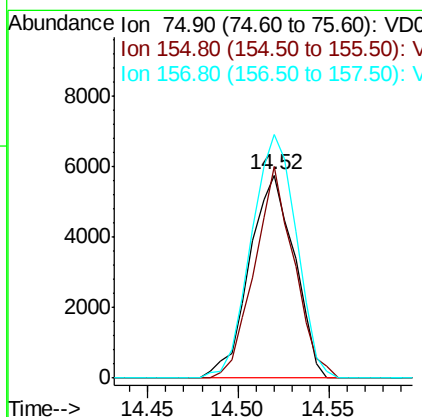
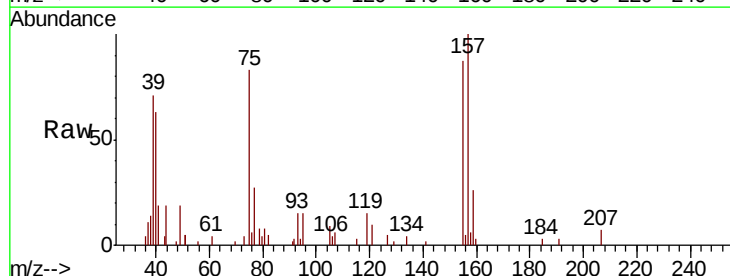
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

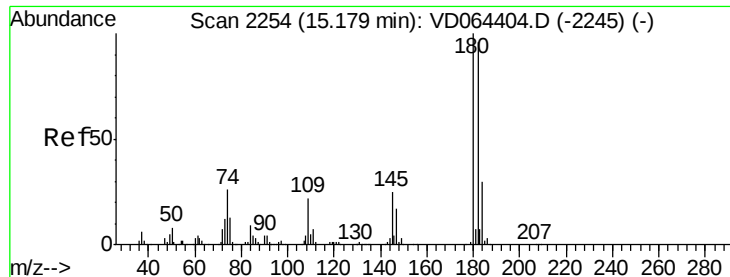
Tgt Ion: 146 Resp: 156219  
 Ion Ratio Lower Upper  
 146 100  
 111 38.9 19.1 57.3  
 148 63.9 32.0 96.0



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 16.711 ug/l  
 RT: 14.52 min Scan# 2142  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion: 75 Resp: 9982  
 Ion Ratio Lower Upper  
 75 100  
 155 91.4 51.9 155.7  
 157 119.8 63.2 189.8

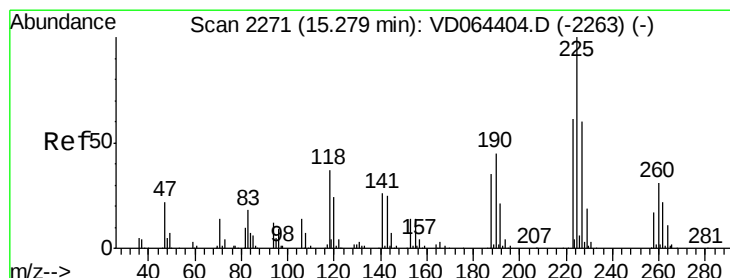
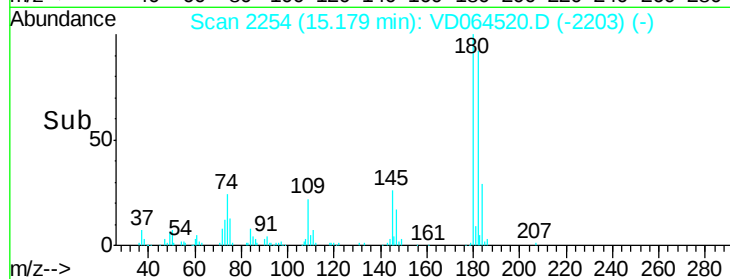
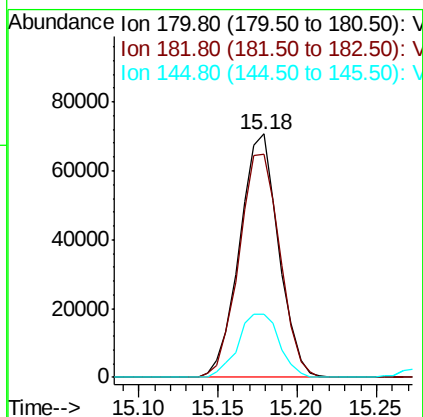
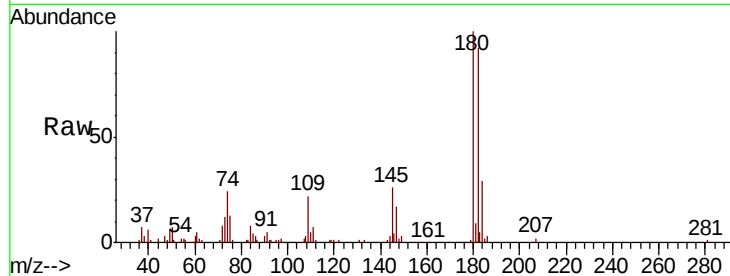




#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.164 ug/l  
 RT: 15.18 min Scan# 2254  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

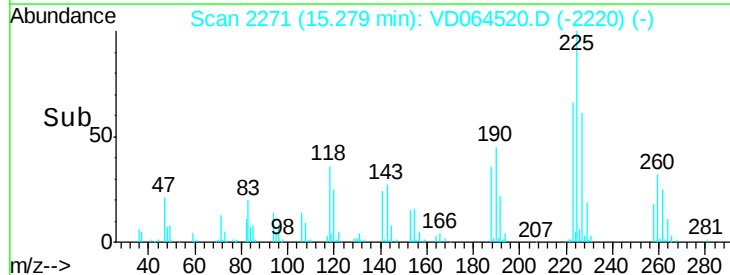
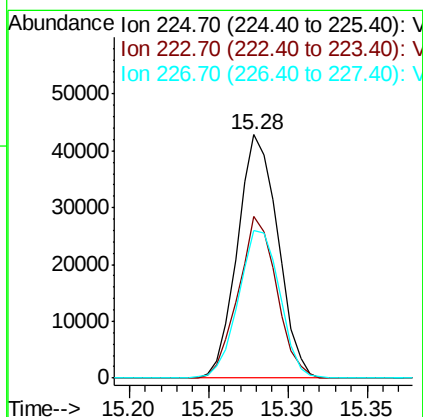
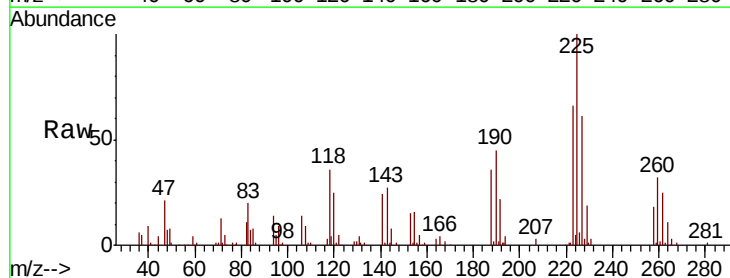
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1216SBS01

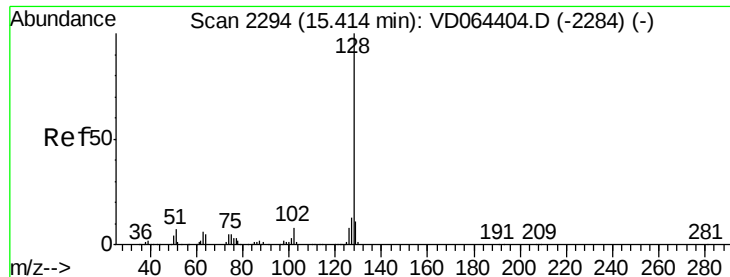
Tgt Ion:180 Resp: 120999  
 Ion Ratio Lower Upper  
 180 100  
 182 95.9 47.4 142.3  
 145 27.5 14.0 41.9



#94  
 Hexachlorobutadiene  
 Concen: 19.470 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD064520.D  
 Acq: 16 Dec 2019 12:43

Tgt Ion:225 Resp: 75888  
 Ion Ratio Lower Upper  
 225 100  
 223 62.9 31.1 93.3  
 227 62.1 31.8 95.4





#95

Naphthalene

Concen: 17.865 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1216SBS01

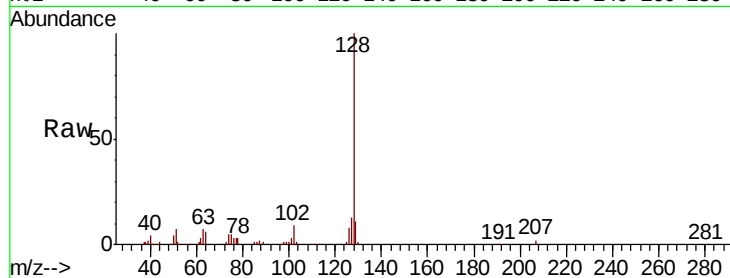
Tgt Ion:128 Resp: 188237

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

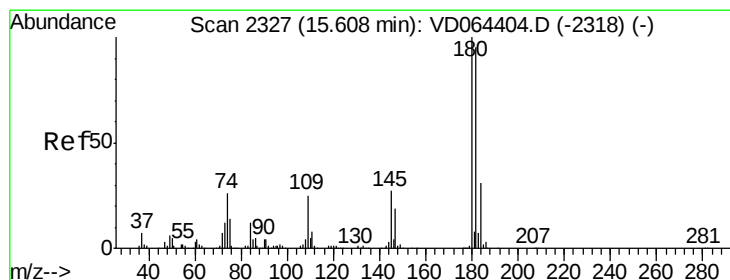
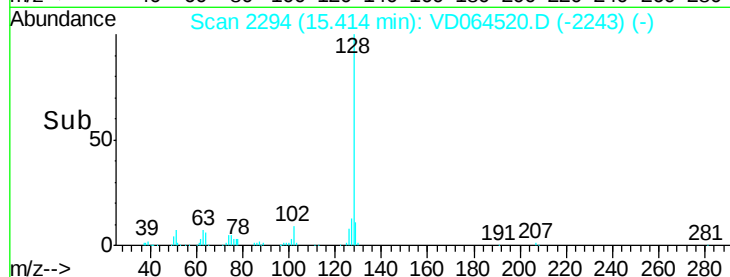
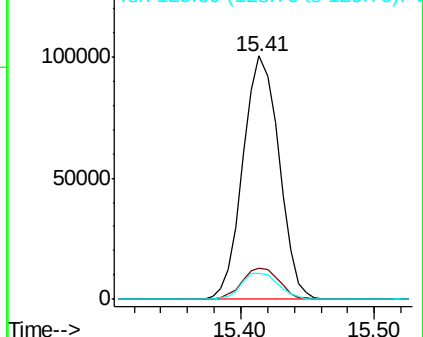
129 11.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.229 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064520.D

Acq: 16 Dec 2019 12:43

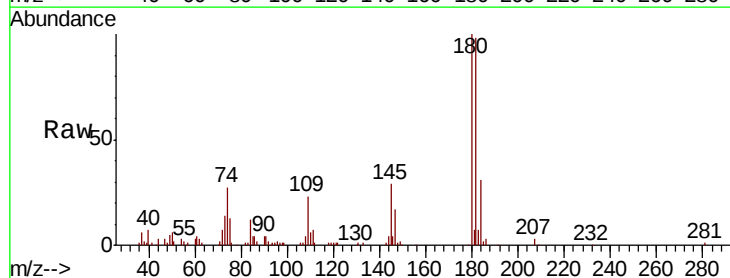
Tgt Ion:180 Resp: 103636

Ion Ratio Lower Upper

180 100

182 93.5 47.6 142.9

145 29.2 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

