

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\  
 Data File : VD064449.D  
 Acq On : 06 Dec 2019 10:21  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 06 22:34:33 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  | 530792   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.87  | 114  | 770945   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.65 | 117  | 679839   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 332079   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 226296   | 47.10 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.20% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 232586   | 47.88 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.76% |      |
| 50) Toluene-d8            | 10.34  | 98  | 879592   | 48.07 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.14% |      |
| 62) 4-Bromofluorobenzene  | 12.64  | 95  | 275728   | 46.89 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.78% |      |

## Target Compounds

|                               |      |     |         |         |        | Qvalue |
|-------------------------------|------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.99 | 85  | 237660  | 49.415  | ug/l   | 100    |
| 3) Chloromethane              | 2.21 | 50  | 290971  | 47.967  | ug/l   | 98     |
| 4) Vinyl Chloride             | 2.36 | 62  | 349936  | 49.963  | ug/l   | 99     |
| 5) Bromomethane               | 2.77 | 94  | 231436  | 44.683  | ug/l   | 95     |
| 6) Chloroethane               | 2.93 | 64  | 230094  | 49.150  | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 3.27 | 101 | 599271  | 51.468  | ug/l   | 99     |
| 8) Diethyl Ether              | 3.71 | 74  | 118109  | 48.815  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.09 | 101 | 253372  | 50.752  | ug/l   | 100    |
| 10) Methyl Iodide             | 4.30 | 142 | 291105  | 55.216  | ug/l   | 99     |
| 11) Tert butyl alcohol        | 5.25 | 59  | 63253   | 206.826 | ug/l # | 100    |
| 12) 1,1-Dichloroethene        | 4.06 | 96  | 243439  | 50.883  | ug/l   | 96     |
| 13) Acrolein                  | 3.93 | 56  | 91379   | 219.059 | ug/l   | 96     |
| 14) Allyl chloride            | 4.71 | 41  | 384526  | 51.500  | ug/l   | 100    |
| 15) Acrylonitrile             | 5.43 | 53  | 248024  | 234.419 | ug/l   | 98     |
| 16) Acetone                   | 4.16 | 43  | 285641  | 294.208 | ug/l   | 99     |
| 17) Carbon Disulfide          | 4.40 | 76  | 777895  | 51.337  | ug/l   | 98     |
| 18) Methyl Acetate            | 4.73 | 43  | 134257  | 47.407  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 5.48 | 73  | 538341  | 49.054  | ug/l   | 95     |
| 20) Methylene Chloride        | 4.97 | 84  | 254741  | 51.799  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 5.47 | 96  | 273963  | 50.624  | ug/l   | 98     |
| 22) Diisopropyl ether         | 6.37 | 45  | 741535  | 50.308  | ug/l   | 97     |
| 23) Vinyl Acetate             | 6.31 | 43  | 2171372 | 249.881 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 6.27 | 63  | 451300  | 50.912  | ug/l   | 99     |
| 25) 2-Butanone                | 7.22 | 43  | 333635  | 242.992 | ug/l   | 97     |
| 26) 2,2-Dichloropropane       | 7.21 | 77  | 418689  | 54.312  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.21 | 96  | 297984  | 50.505  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.54 | 49  | 151922  | 50.149  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.57 | 42  | 200117  | 229.084 | ug/l   | 99     |
| 30) Chloroform                | 7.71 | 83  | 468351  | 51.017  | ug/l   | 100    |
| 31) Cyclohexane               | 7.98 | 56  | 427951  | 55.832  | ug/l   | 93     |
| 32) 1,1,1-Trichloroethane     | 7.90 | 97  | 439853  | 51.679  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.11 | 75  | 375562  | 51.503  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.30 | 43  | 143926  | 46.515  | ug/l   | 98     |
| 38) Carbon Tetrachloride      | 8.10 | 117 | 413124  | 53.679  | ug/l   | 97     |

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 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   | 469865   | 51.945  | ug/l   | 99       |
| 40) Benzene                    | 8.35  | 78   | 1038368  | 51.269  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.53  | 41   | 88328    | 49.777  | ug/l   | 95       |
| 42) 1,2-Dichloroethane         | 8.43  | 62   | 289507   | 49.016  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.46  | 43   | 291847   | 47.972  | ug/l   | 99       |
| 44) Trichloroethene            | 9.11  | 130  | 305315   | 50.045  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.39  | 63   | 248340   | 51.271  | ug/l   | 97       |
| 46) Dibromomethane             | 9.47  | 93   | 136102   | 49.785  | ug/l   | 99       |
| 47) Bromodichloromethane       | 9.66  | 83   | 356249   | 50.716  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.46  | 41   | 136312   | 48.965  | ug/l   | 95       |
| 49) 1,4-Dioxane                | 9.46  | 88   | 29903    | 885.800 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.23 | 43   | 711152   | 236.249 | ug/l   | 100      |
| 52) Toluene                    | 10.40 | 92   | 666080   | 50.464  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.62 | 75   | 342402   | 51.147  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 10.09 | 75   | 410826   | 51.658  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.80 | 97   | 181549   | 48.499  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.66 | 69   | 232868   | 48.774  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.95 | 76   | 314811   | 49.404  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.94  | 63   | 417643   | 219.436 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 513078   | 245.641 | ug/l   | 99       |
| 60) Dibromochloromethane       | 11.14 | 129  | 247789   | 48.822  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 11.25 | 107  | 177913   | 47.602  | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.87 | 164  | 266442   | 51.394  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.67 | 112  | 707545   | 49.900  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.74 | 131  | 272221   | 51.862  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.75 | 91   | 1280133  | 50.742  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.86 | 106  | 987093   | 102.617 | ug/l   | 99       |
| 69) o-Xylene                   | 12.18 | 106  | 447522   | 50.375  | ug/l   | 97       |
| 70) Styrene                    | 12.20 | 104  | 785282   | 50.867  | ug/l   | 99       |
| 71) Bromoform                  | 12.37 | 173  | 148462   | 47.275  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.48 | 105  | 1248468  | 52.273  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.29 | 43   | 262093   | 48.351  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.74 | 83   | 183856   | 46.551  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.79 | 75   | 247995   | 90.810  | ug/l # | 100      |
| 77) Bromobenzene               | 12.77 | 156  | 302444   | 51.280  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.83 | 91   | 1440462  | 52.272  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.91 | 91   | 765330   | 50.473  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.97 | 105  | 1009277  | 51.712  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.53 | 75   | 61810    | 49.353  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 13.01 | 91   | 812842   | 50.630  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.23 | 119  | 892540   | 52.601  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.27 | 105  | 1012324  | 51.582  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.41 | 105  | 1206952  | 51.827  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.52 | 119  | 1145677  | 52.109  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 13.52 | 146  | 565457   | 50.513  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.60 | 146  | 553493   | 50.081  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.85 | 91   | 1061076  | 53.144  | ug/l   | 99       |
| 90) Hexachloroethane           | 14.12 | 117  | 219128   | 53.287  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.90 | 146  | 479973   | 50.171  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.51 | 75   | 30043    | 50.995  | ug/l   | 97       |

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Sample : VSTDCCC050  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Dec 06 22:34:33 2019  
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Quant Title : SW846 8260  
QLast Update : Fri Nov 29 07:18:03 2019  
Response via : Initial Calibration

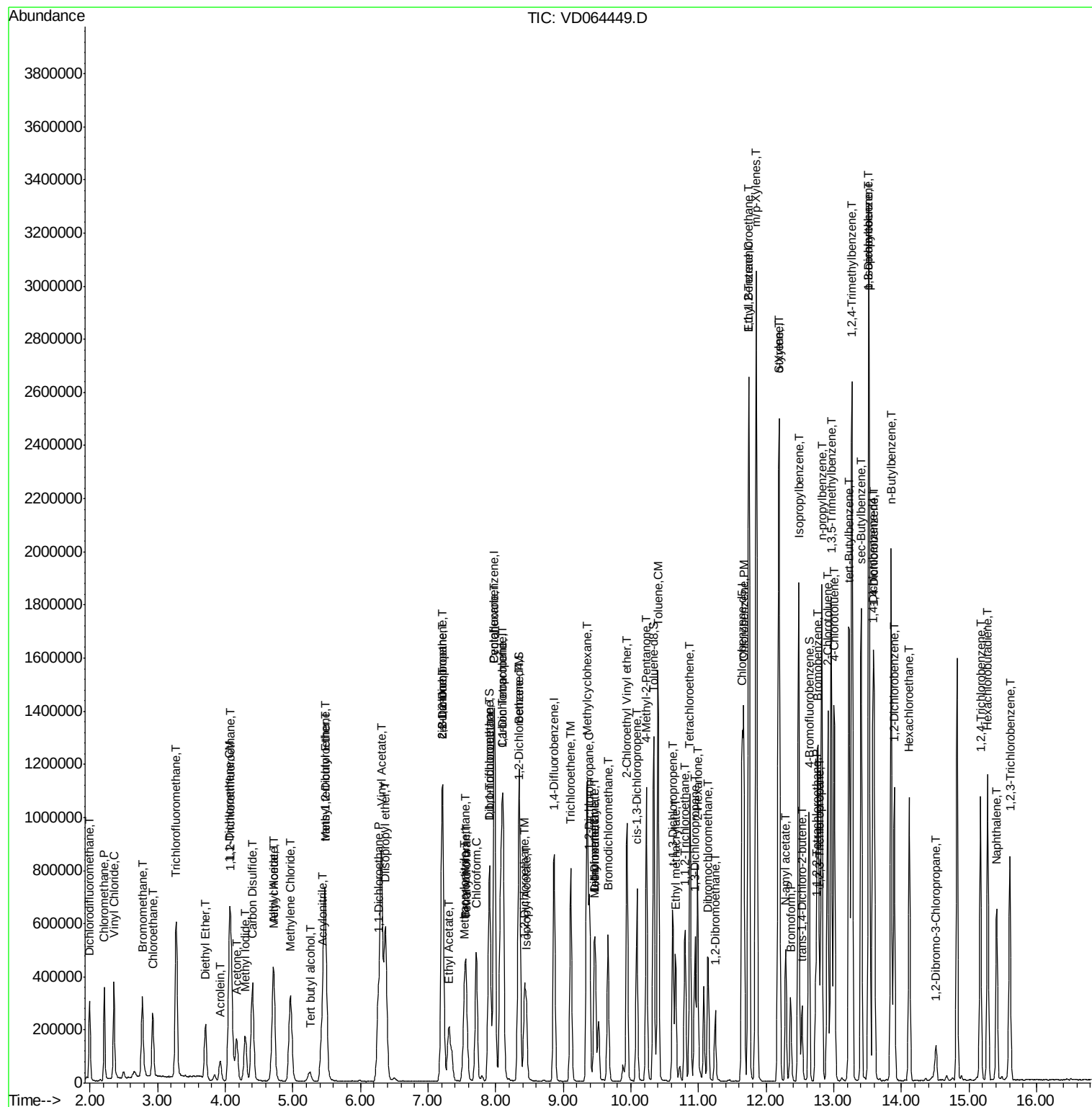
| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.17 | 180  | 365546   | 49.893 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.28 | 225  | 233346   | 51.591 | ug/l  | 99       |
| 95) Naphthalene            | 15.41 | 128  | 575490   | 47.066 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.61 | 180  | 309317   | 49.458 | ug/l  | 100      |

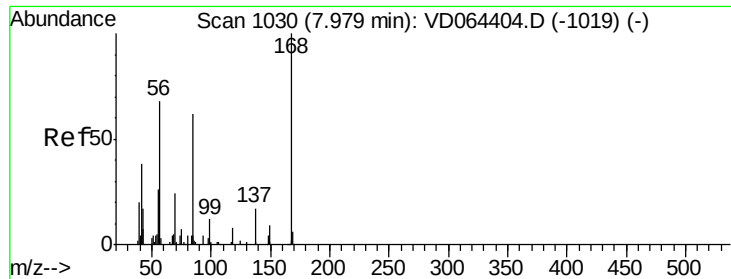
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 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: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

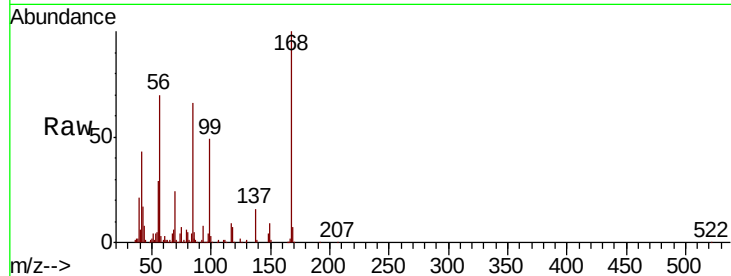
ClientSampleId :

Tot Ion:168 Resp: 530792

Ion Ratio Lower Upper

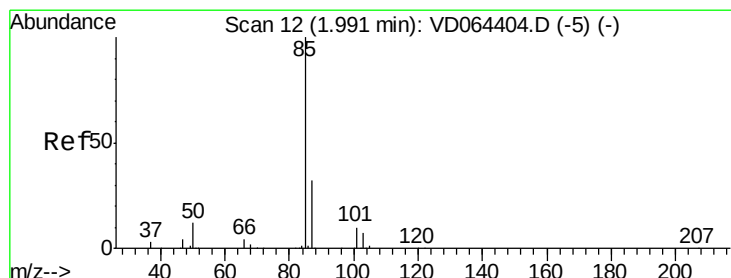
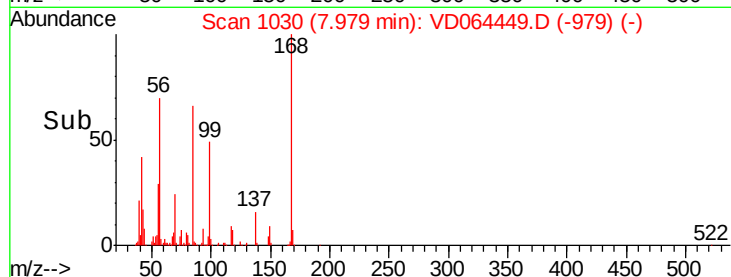
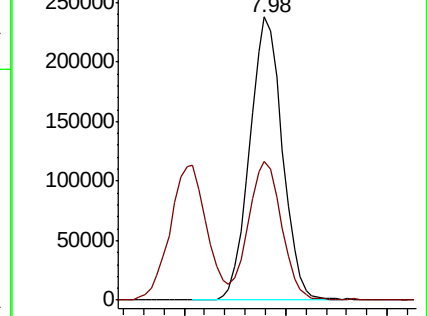
168 100

99 48.7 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: 49.415 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064449.D

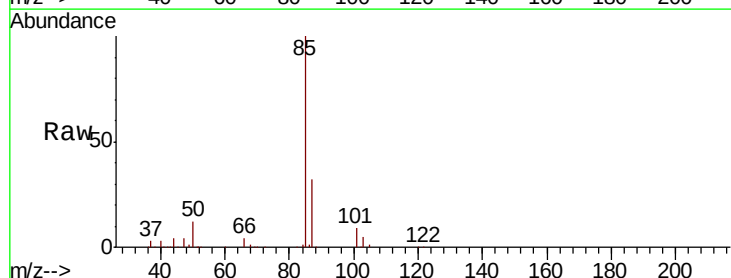
Acq: 06 Dec 2019 10:21

Tgt Ion: 85 Resp: 237660

Ion Ratio Lower Upper

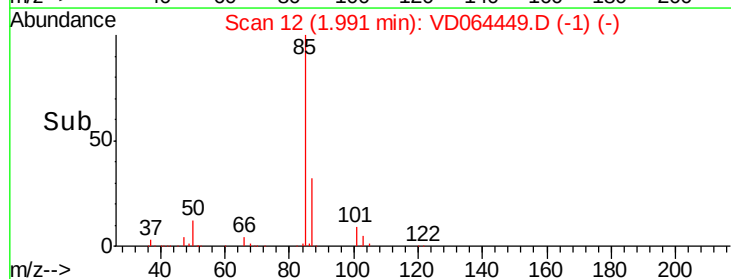
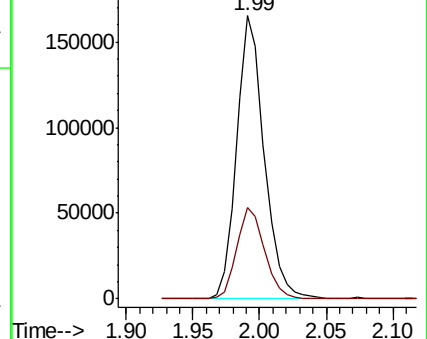
85 100

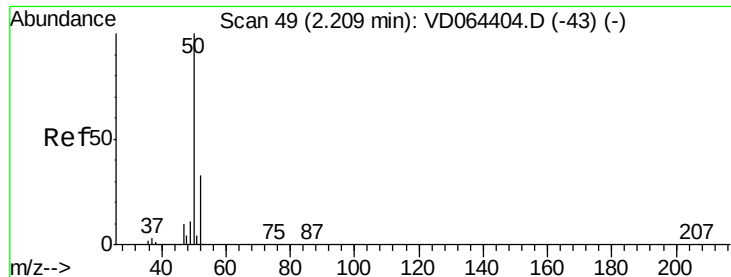
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.967 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

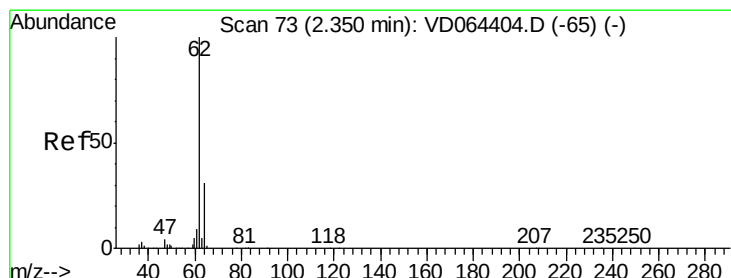
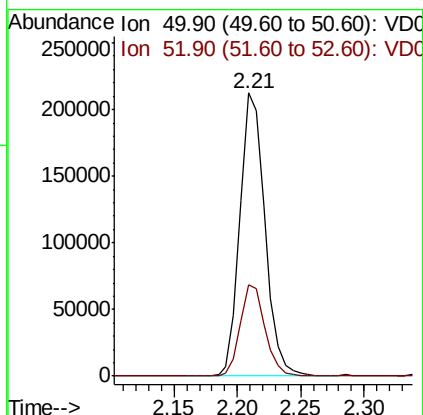
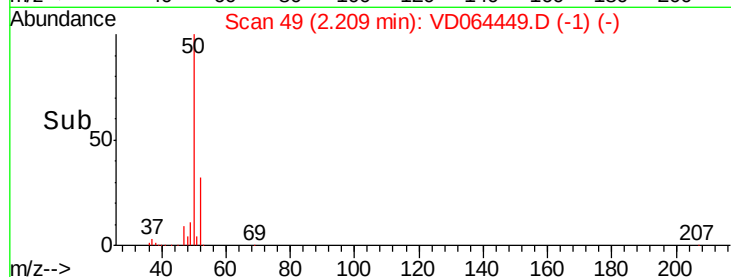
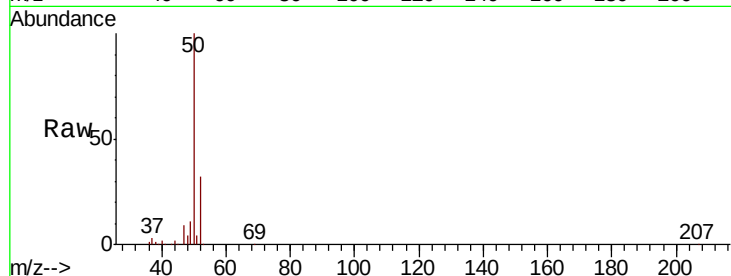
ClientSampleId :

Tot Ion: 50 Resp: 290971

Ion Ratio Lower Upper

50 100

52 32.5 26.7 40.1



#4

Vinyl Chloride

Concen: 49.963 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064449.D

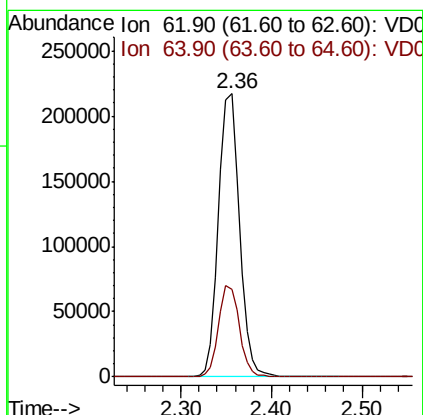
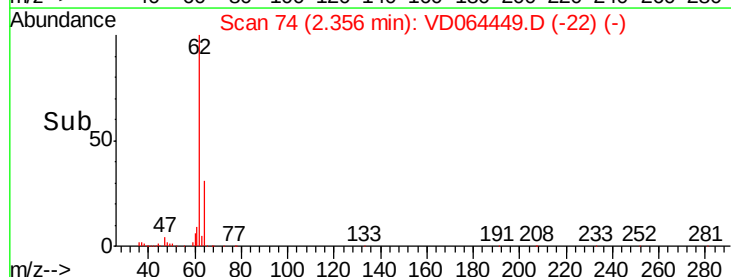
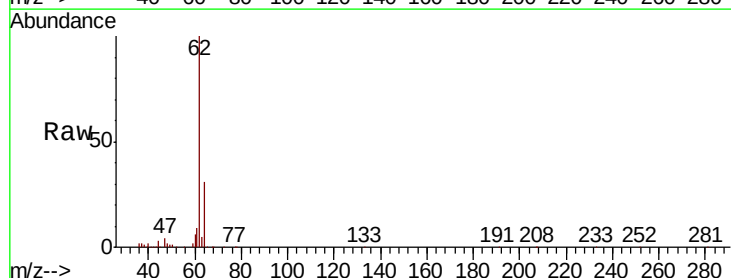
Acq: 06 Dec 2019 10:21

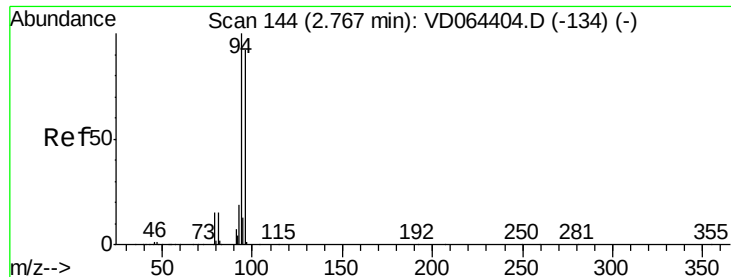
Tgt Ion: 62 Resp: 349936

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#5

Bromomethane

Concen: 44.683 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

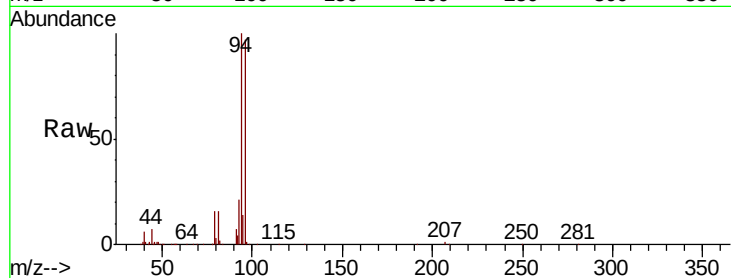
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 94 Resp: 231436

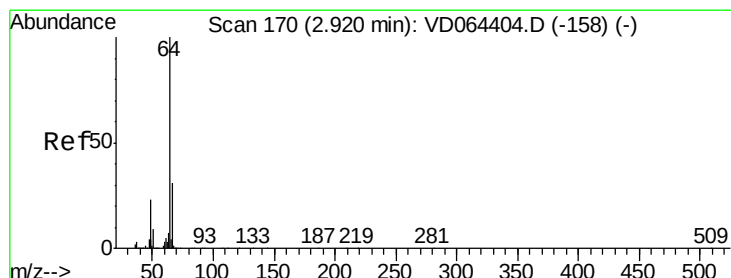
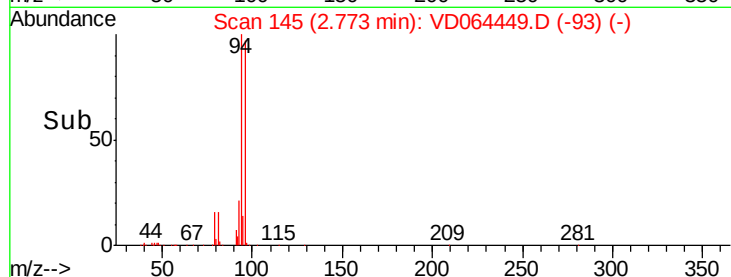
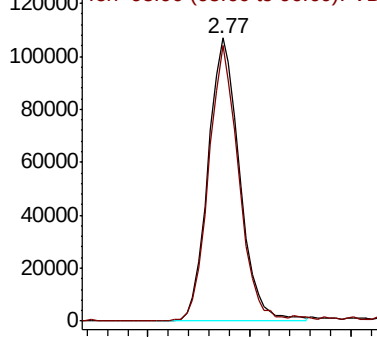
Ion Ratio Lower Upper

94 100

96 97.2 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: 49.150 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064449.D

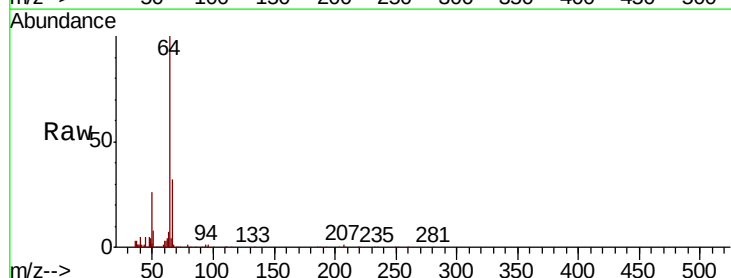
Acq: 06 Dec 2019 10:21

Tgt Ion: 64 Resp: 230094

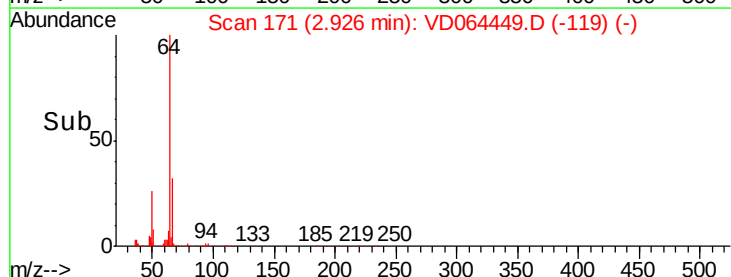
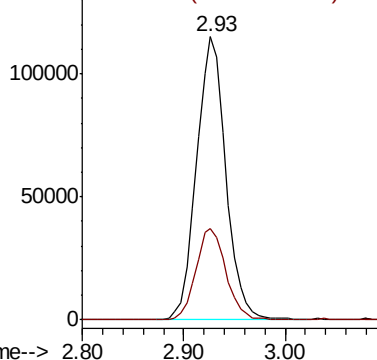
Ion Ratio Lower Upper

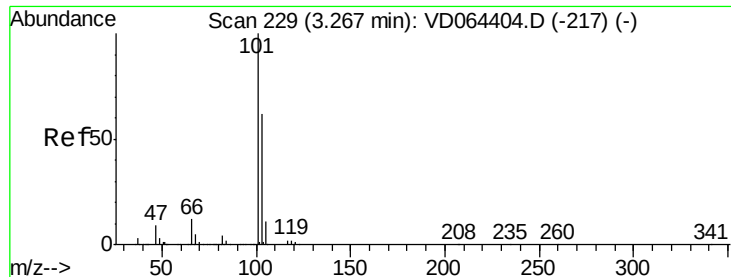
64 100

66 32.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC  
Ion 65.90 (65.60 to 66.60): VDC



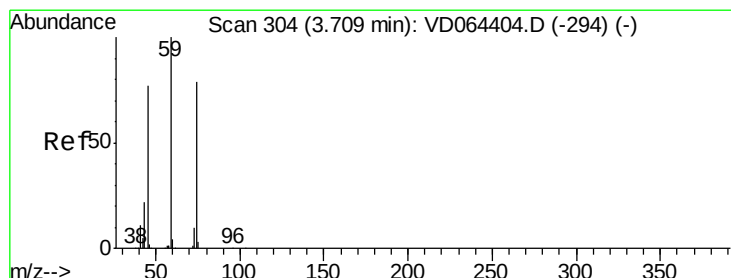
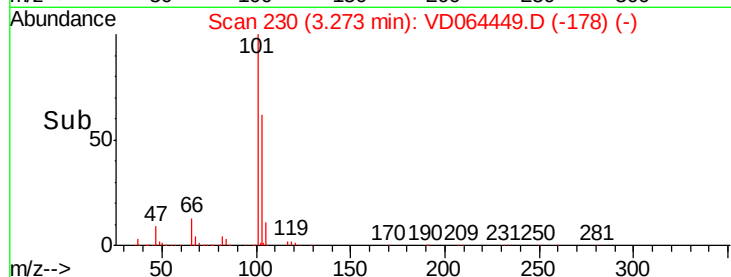
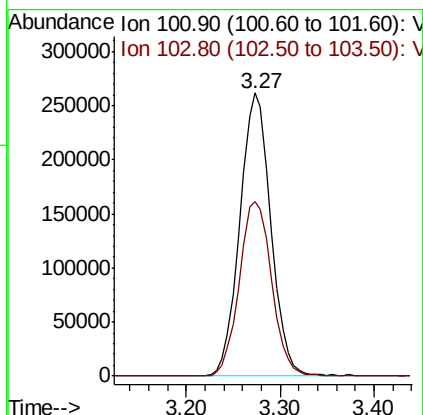
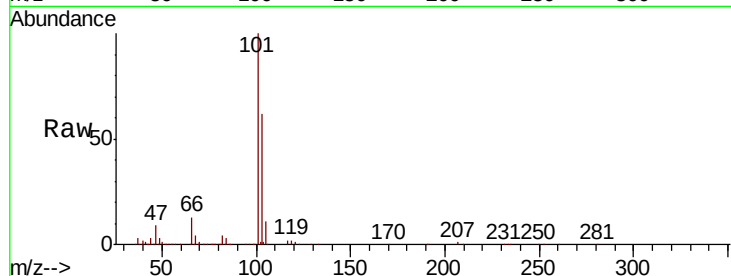


#7

Trichlorofluoromethane  
 Concen: 51.468 ug/l  
 RT: 3.27 min Scan# 230  
 Delta R.T. 0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :

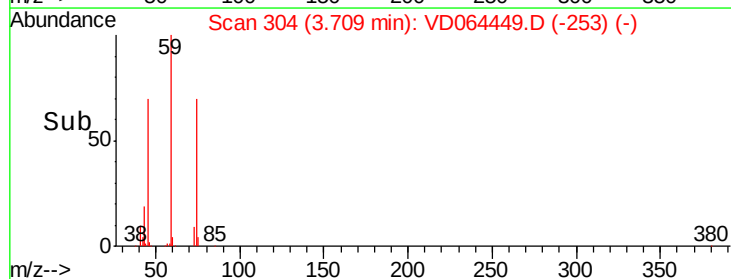
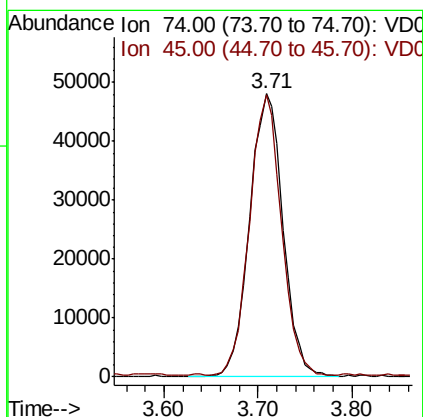
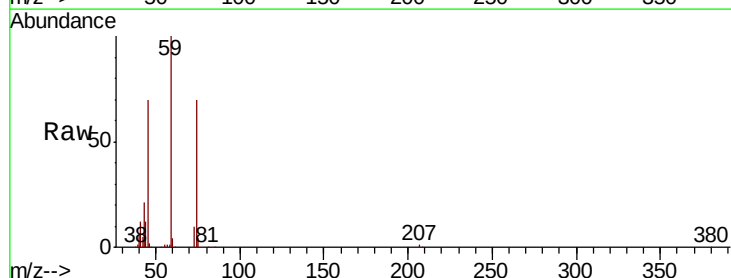
Tot Ion:101 Resp: 599271  
 Ion Ratio Lower Upper  
 101 100  
 103 61.7 49.8 74.6



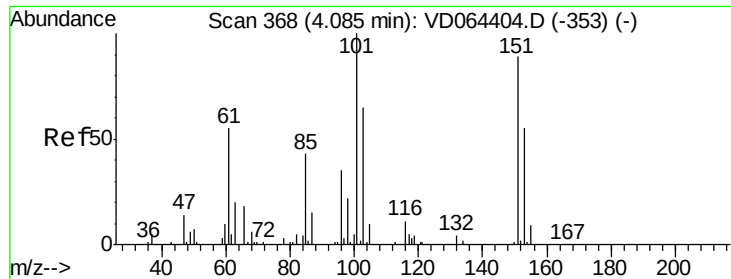
#8

Diethyl Ether  
 Concen: 48.815 ug/l  
 RT: 3.71 min Scan# 304  
 Delta R.T. 0.00 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Tgt Ion: 74 Resp: 118109  
 Ion Ratio Lower Upper  
 74 100  
 45 95.0 48.6 145.9







#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.752 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampleId :

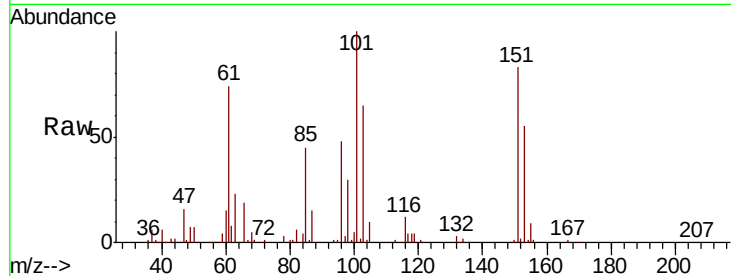
Tot Ion:101 Resp: 253372

Ion Ratio Lower Upper

101 100

85 44.2 34.8 52.2

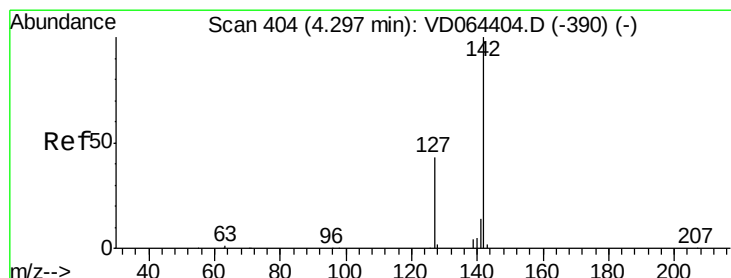
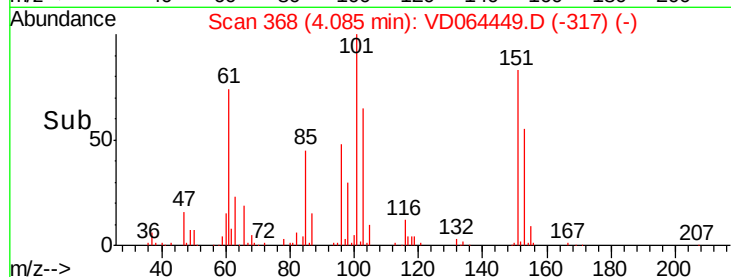
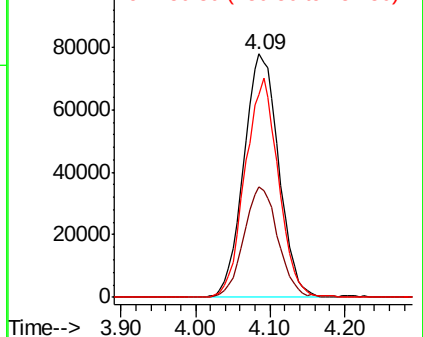
151 86.1 68.8 103.2



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: 55.216 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

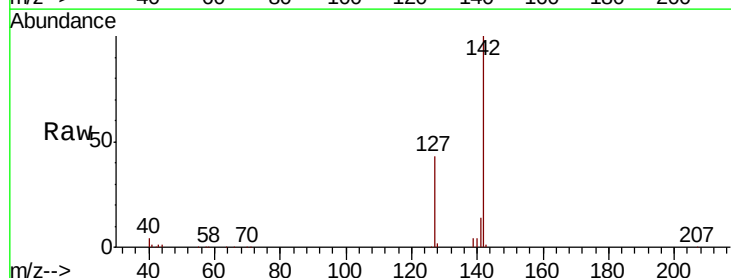
Tgt Ion:142 Resp: 291105

Ion Ratio Lower Upper

142 100

127 43.4 35.3 52.9

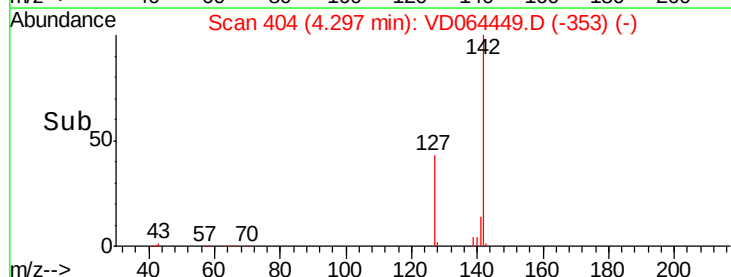
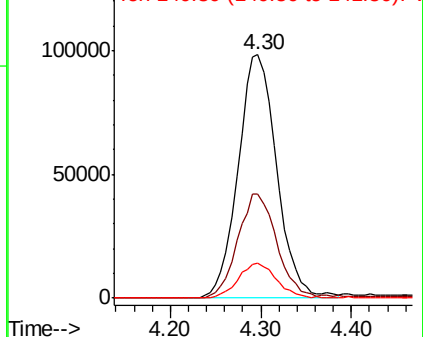
141 14.2 11.6 17.4

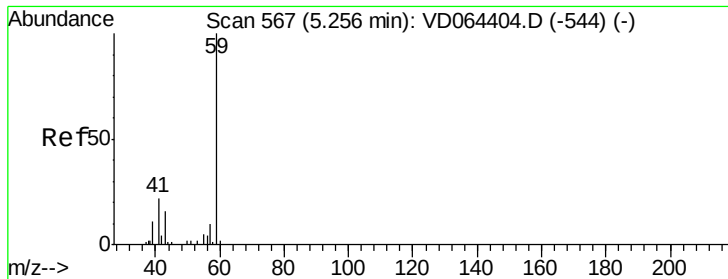


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



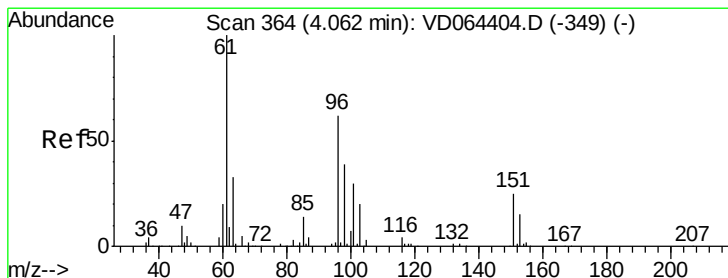
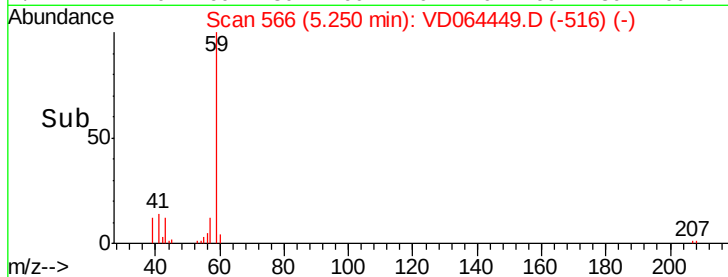
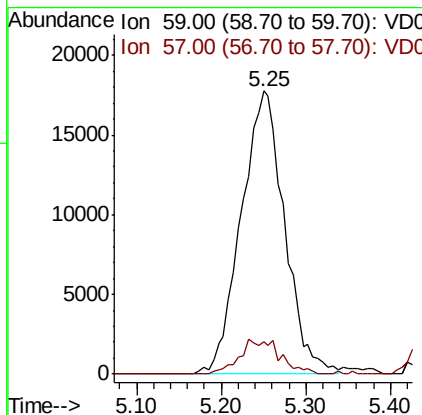
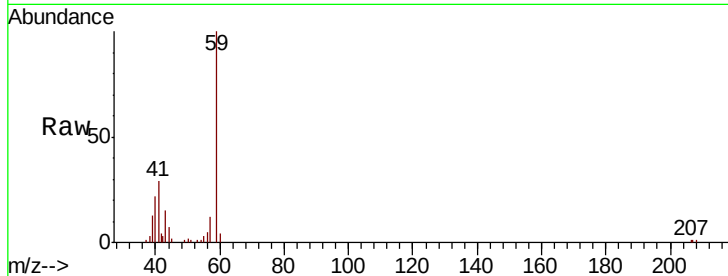


#11

Tert butyl alcohol  
Concen: 206.826 ug/l  
RT: 5.25 min Scan# 566  
Delta R.T. -0.01 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Instrument :  
MSVOA\_D  
ClientSampleId :

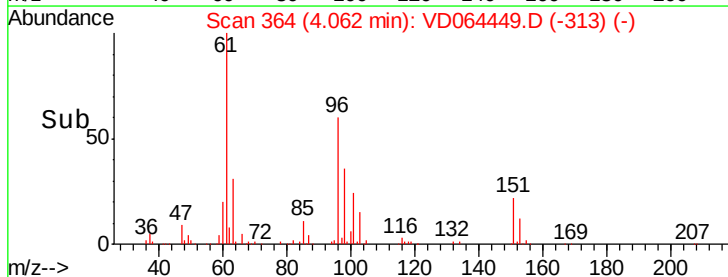
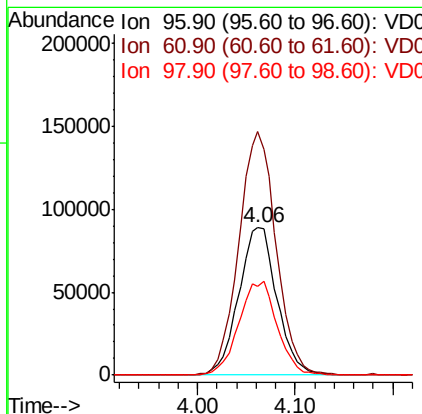
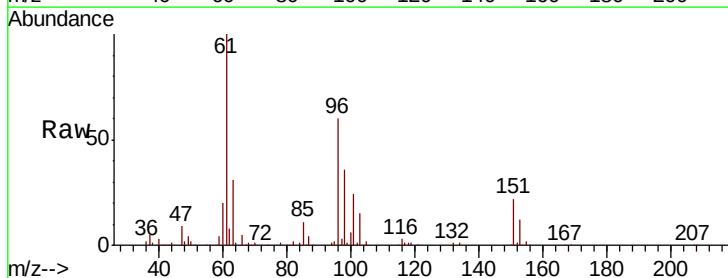
Tot Ion: 59 Resp: 63253  
Ion Ratio Lower Upper  
59 100  
57 5.6 0.0 0.0#

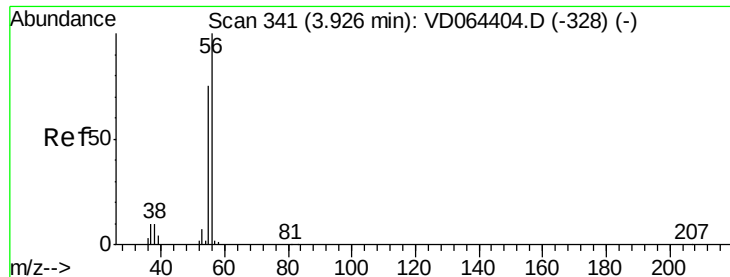


#12

1,1-Dichloroethene  
Concen: 50.883 ug/l  
RT: 4.06 min Scan# 364  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion: 96 Resp: 243439  
Ion Ratio Lower Upper  
96 100  
61 165.4 128.2 192.4  
98 60.3 50.4 75.6





#13

Acrolein

Concen: 219.059 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

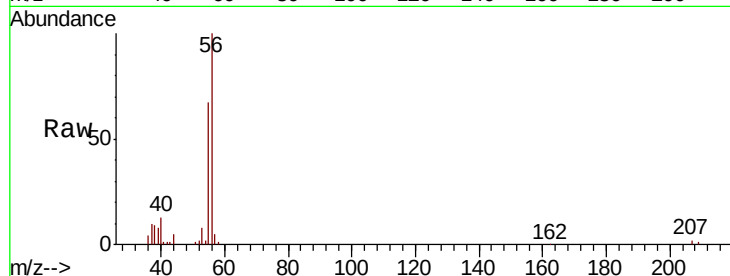
ClientSampleId :

Tot Ion: 56 Resp: 91379

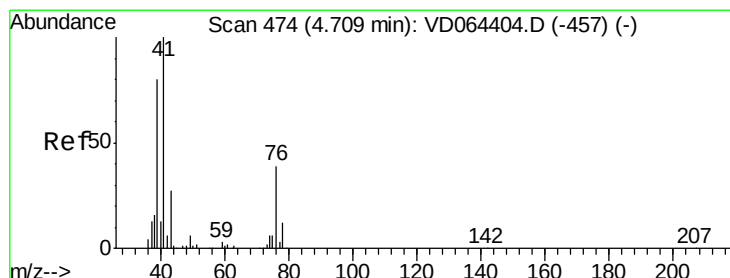
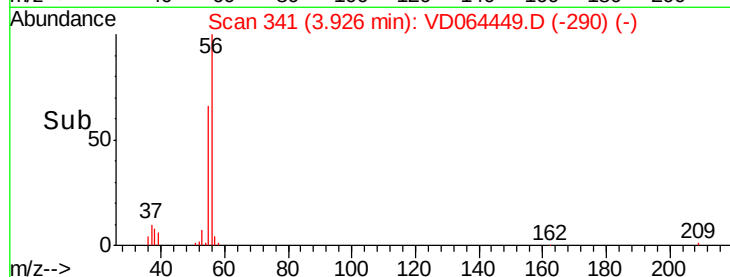
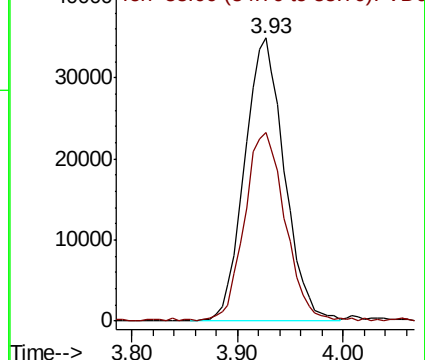
Ion Ratio Lower Upper

56 100

55 68.1 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: 51.500 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

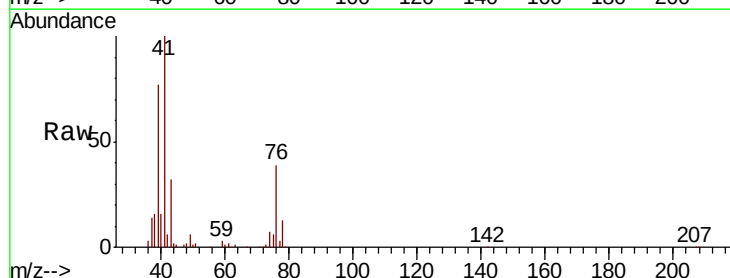
Tgt Ion: 41 Resp: 384526

Ion Ratio Lower Upper

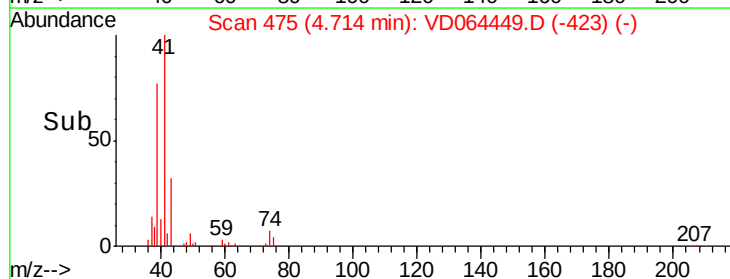
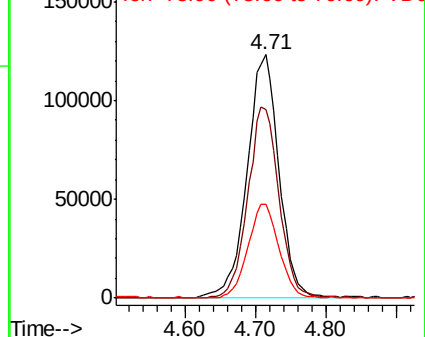
41 100

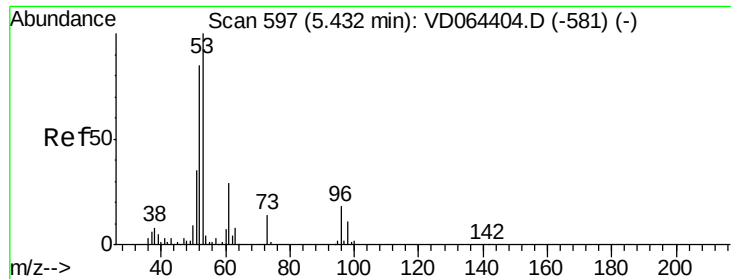
39 77.8 62.1 93.1

76 37.9 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: 234.419 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :  
MSVOA\_D  
ClientSampleId :

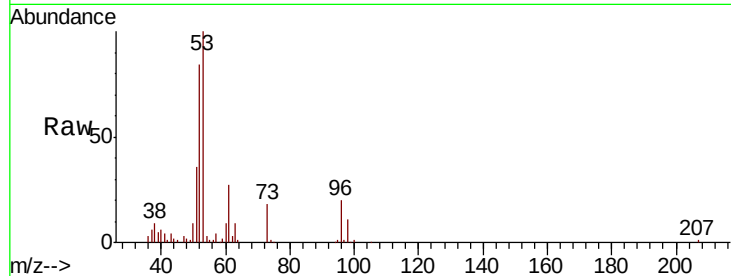
Tot Ion: 53 Resp: 248024

Ion Ratio Lower Upper

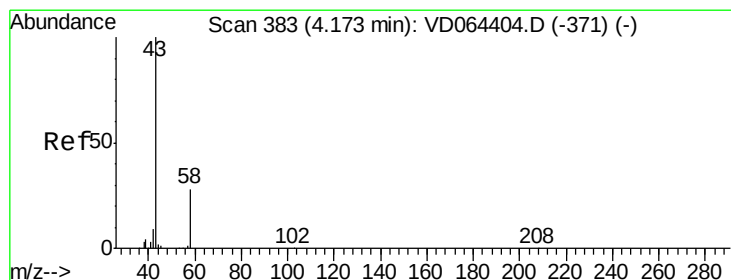
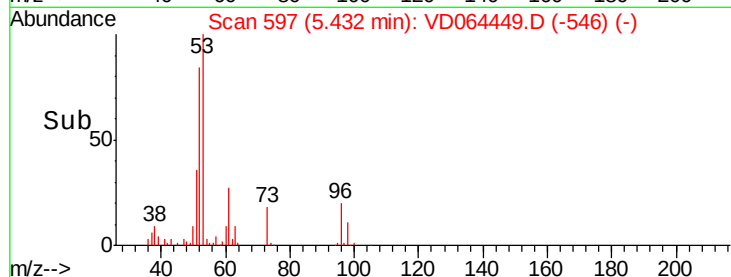
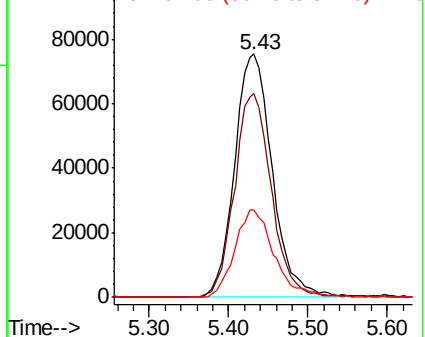
53 100

52 82.1 67.9 101.9

51 37.8 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: 294.208 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064449.D

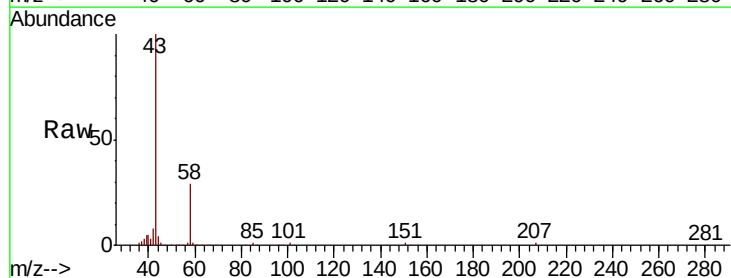
Acq: 06 Dec 2019 10:21

Tgt Ion: 43 Resp: 285641

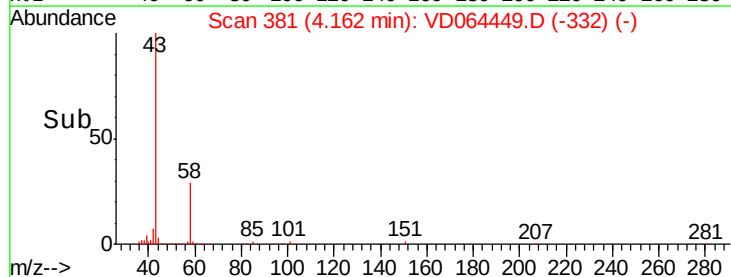
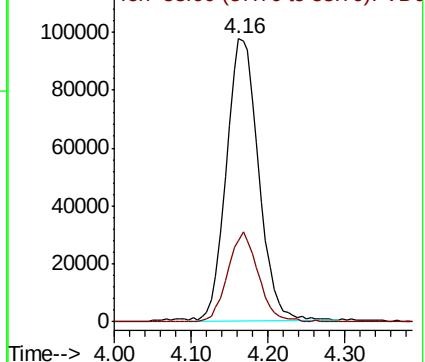
Ion Ratio Lower Upper

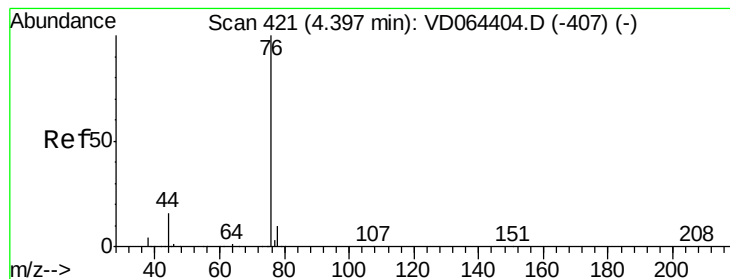
43 100

58 28.8 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: 51.337 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

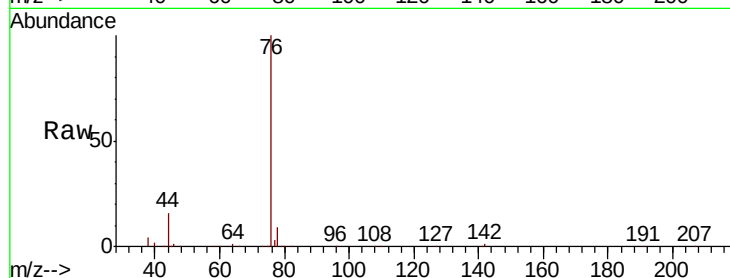
ClientSampled :

Tot Ion: 76 Resp: 777895

Ion Ratio Lower Upper

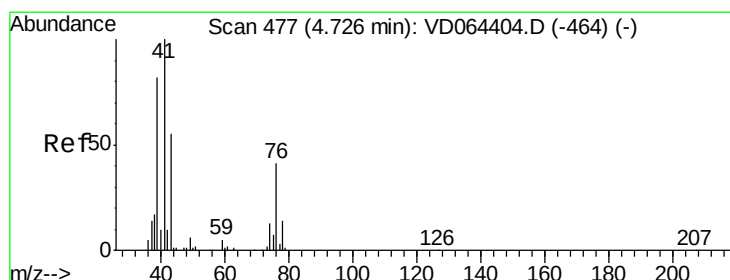
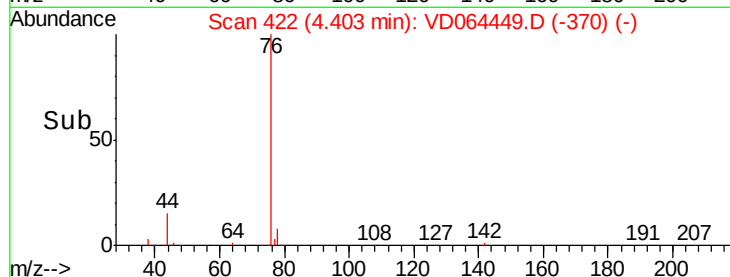
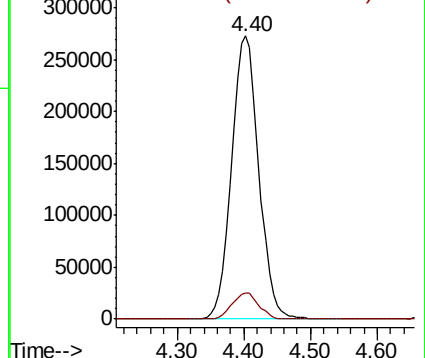
76 100

78 9.0 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.407 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064449.D

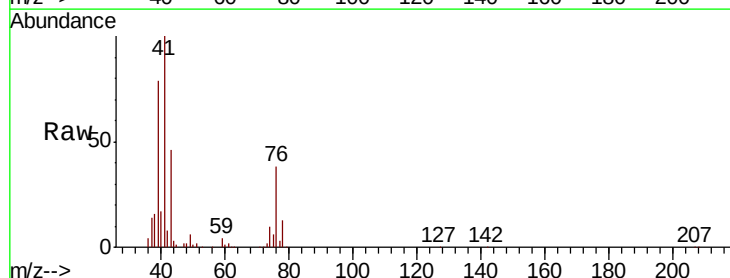
Acq: 06 Dec 2019 10:21

Tgt Ion: 43 Resp: 134257

Ion Ratio Lower Upper

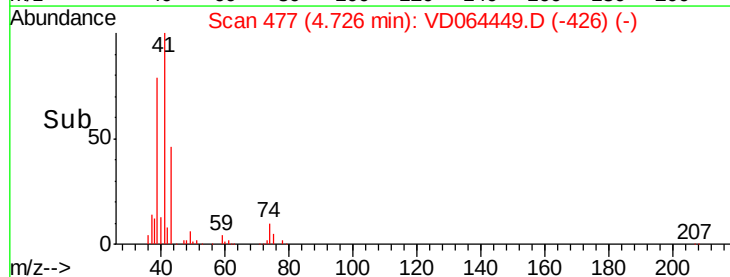
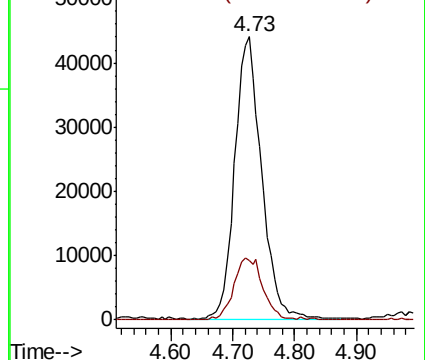
43 100

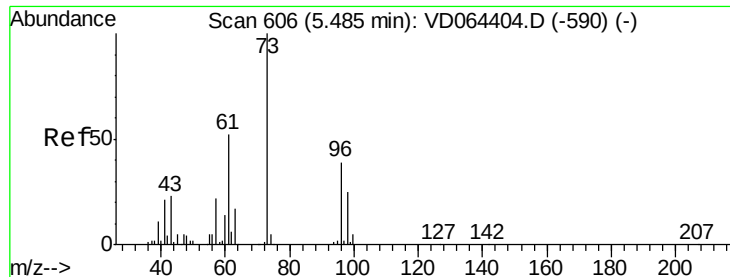
74 23.4 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



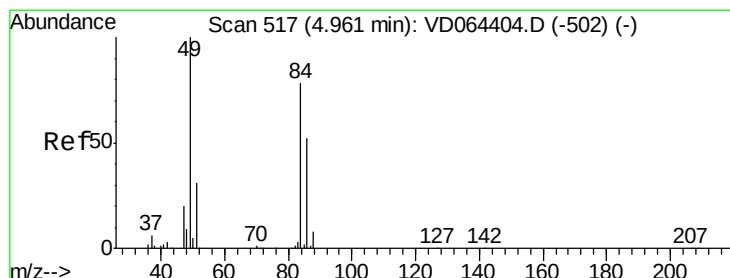
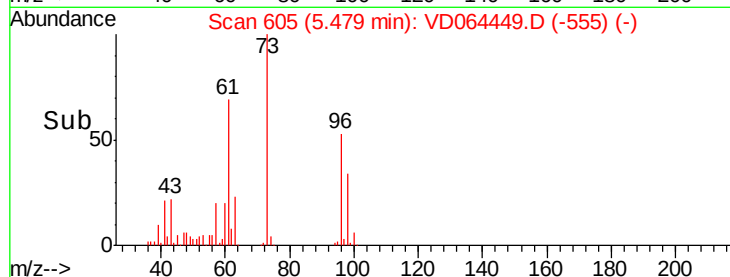
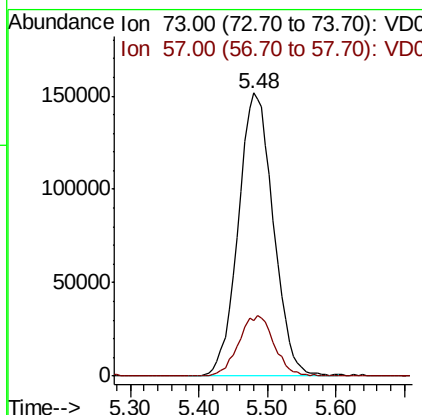
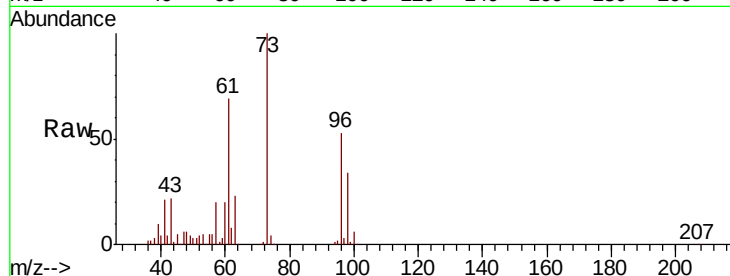


#19

Methyl tert-butyl Ether  
 Concen: 49.054 ug/l  
 RT: 5.48 min Scan# 605  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :

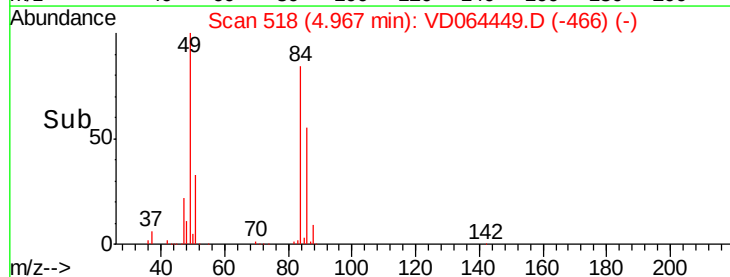
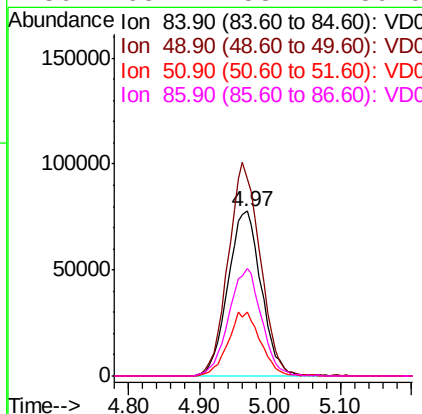
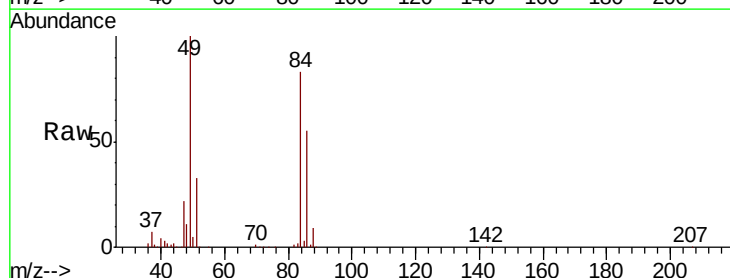
Tot Ion: 73 Resp: 538341  
 Ion Ratio Lower Upper  
 73 100  
 57 19.6 17.6 26.4

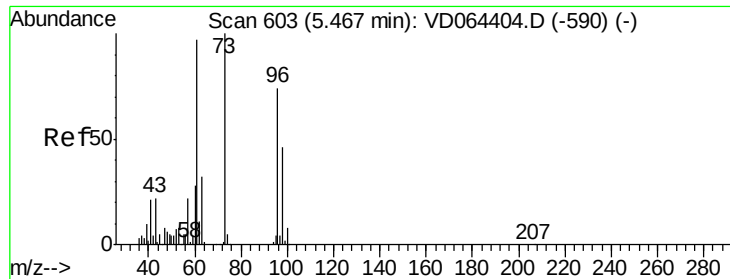


#20

Methylene Chloride  
 Concen: 51.799 ug/l  
 RT: 4.97 min Scan# 518  
 Delta R.T. 0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Tgt Ion: 84 Resp: 254741  
 Ion Ratio Lower Upper  
 84 100  
 49 119.9 102.6 153.8  
 51 39.1 32.0 48.0  
 86 65.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 50.624 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampled :

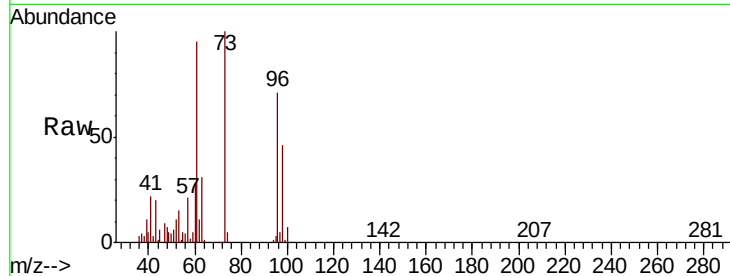
Tot Ion: 96 Resp: 273963

Ion Ratio Lower Upper

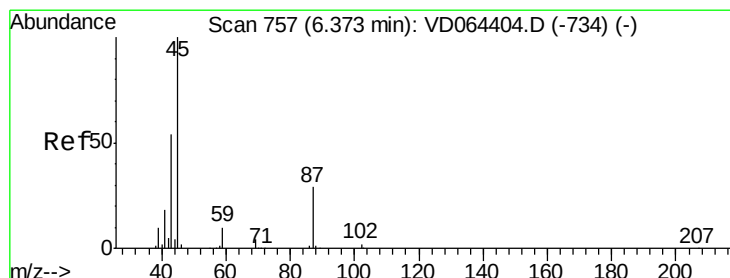
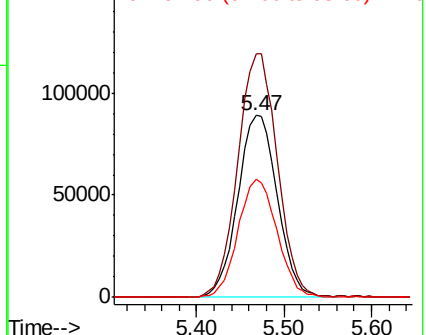
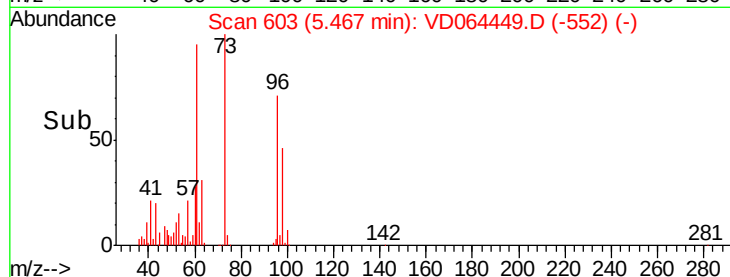
96 100

61 133.6 105.8 158.6

98 65.2 50.1 75.1



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



#22

Diisopropyl ether

Concen: 50.308 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion: 45 Resp: 741535

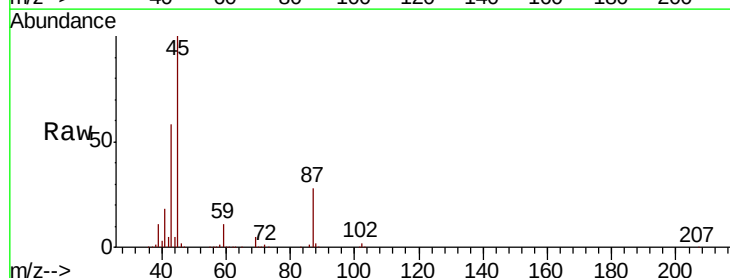
Ion Ratio Lower Upper

45 100

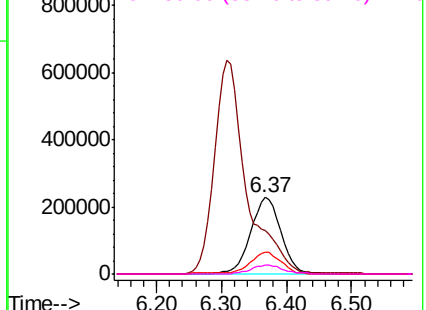
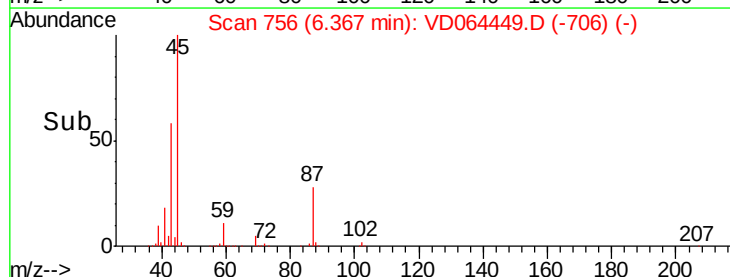
43 56.9 43.1 64.7

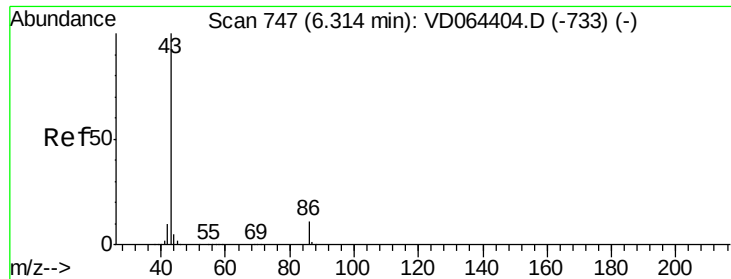
87 28.2 23.5 35.3

59 11.2 8.2 12.2



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





#23

Vinyl Acetate

Concen: 249.881 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

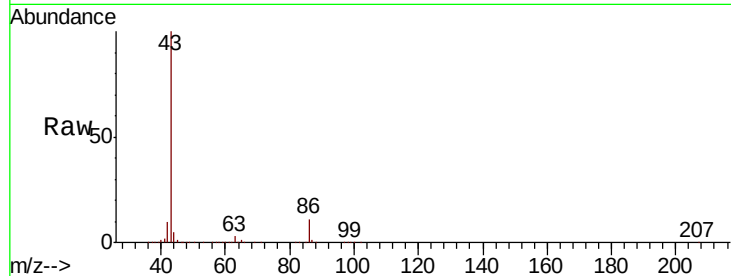
ClientSampleId :

Tot Ion: 43 Resp: 2171372

Ion Ratio Lower Upper

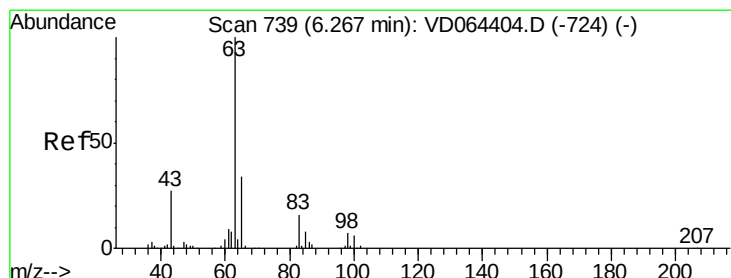
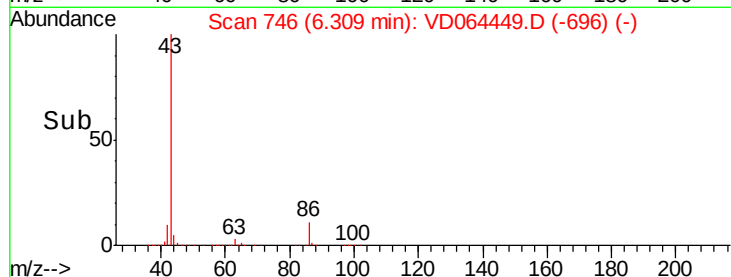
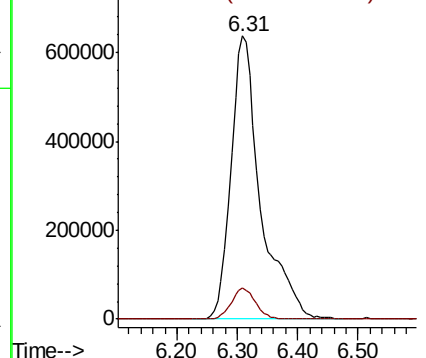
43 100

86 11.0 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: 50.912 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

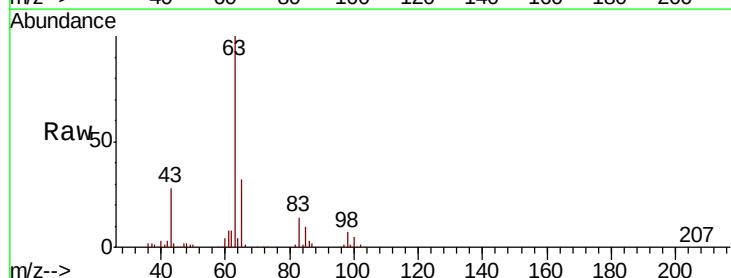
Tgt Ion: 63 Resp: 451300

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

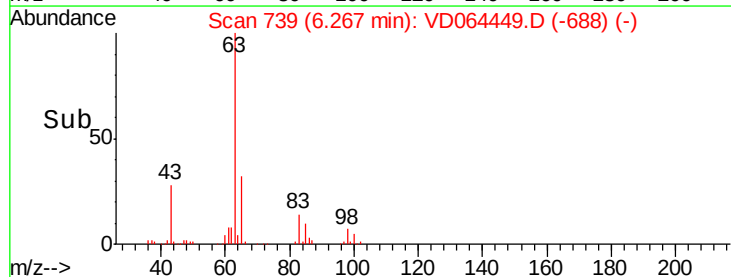
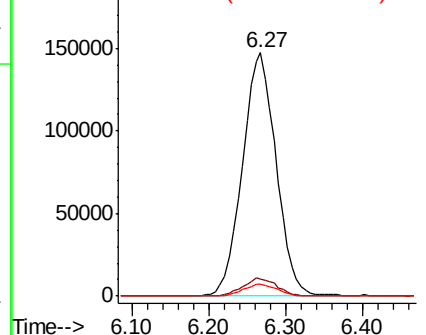
100 4.8 2.9 8.6



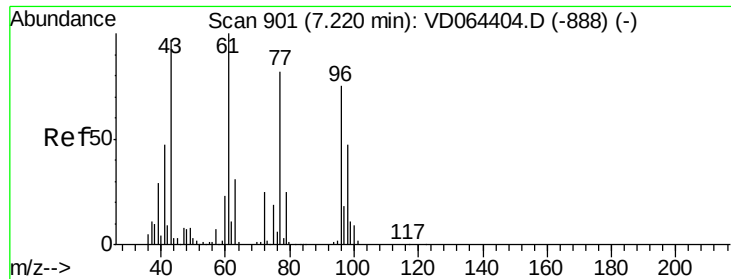
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC







#25

2-Butanone

Concen: 242.992 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

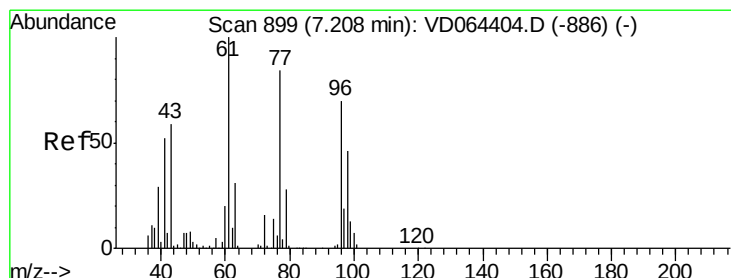
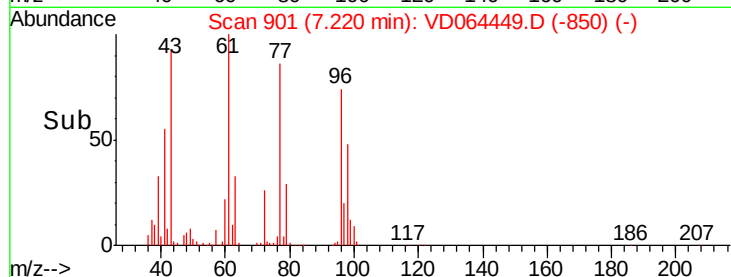
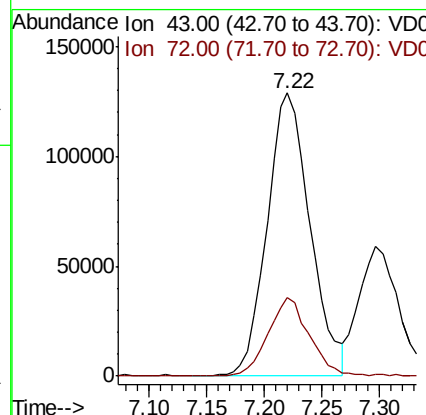
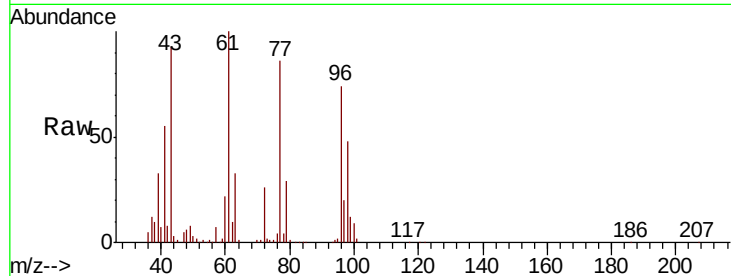
ClientSampled :

Tot Ion: 43 Resp: 333635

Ion Ratio Lower Upper

43 100

72 27.8 21.0 31.4



#26

2,2-Dichloropropane

Concen: 54.312 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064449.D

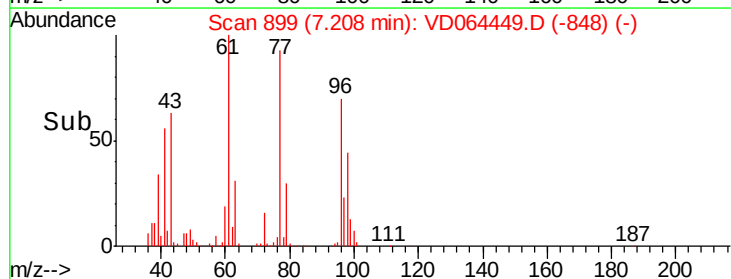
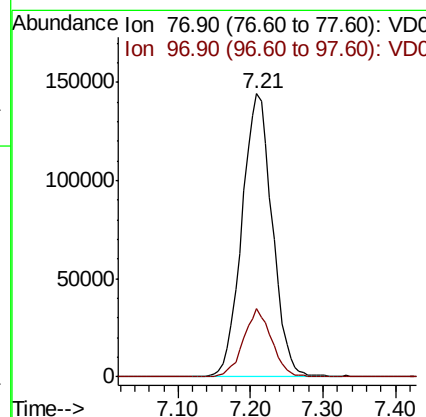
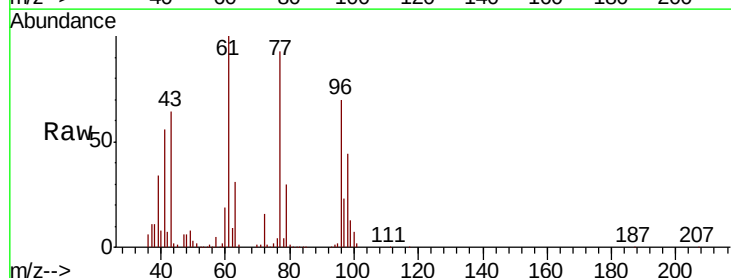
Acq: 06 Dec 2019 10:21

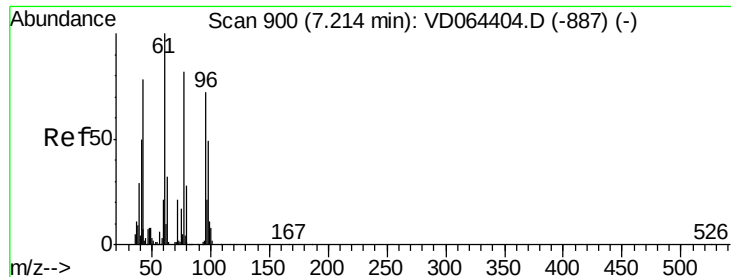
Tgt Ion: 77 Resp: 418689

Ion Ratio Lower Upper

77 100

97 22.5 11.6 34.7



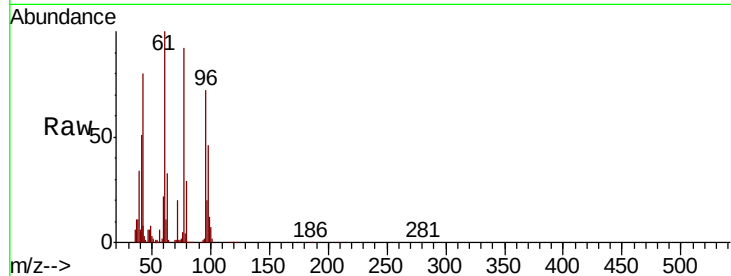


#27

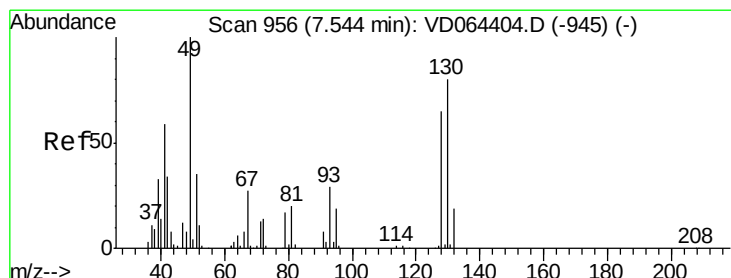
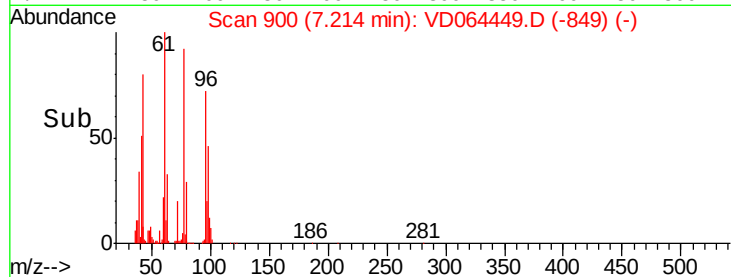
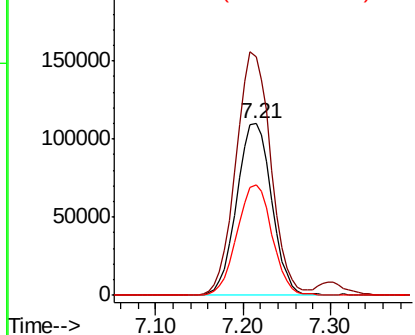
cis-1,2-Dichloroethene  
Concen: 50.505 ug/l  
RT: 7.21 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Instrument :  
MSVOA\_D  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 141.9 | 0.0   | 279.6 |
| 98      | 64.5  | 0.0   | 129.2 |



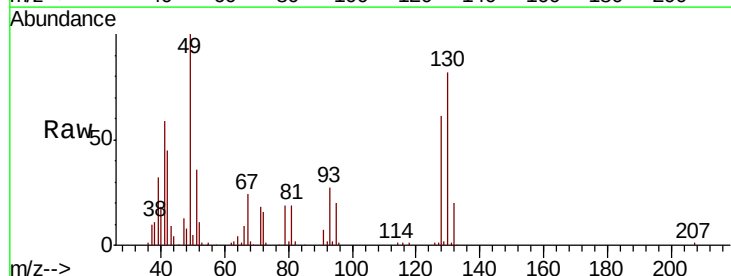
Abundance Ion 95.90 (95.60 to 96.60): VDC  
Ion 60.90 (60.60 to 61.60): VDC  
Ion 97.90 (97.60 to 98.60): VDC



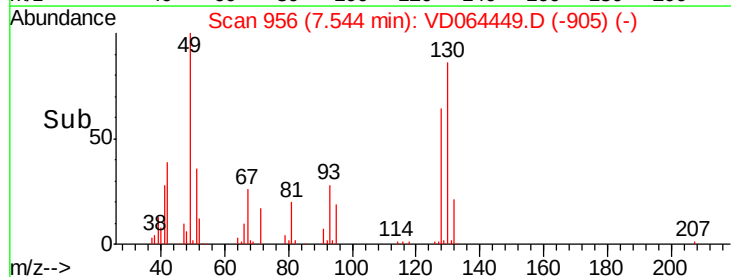
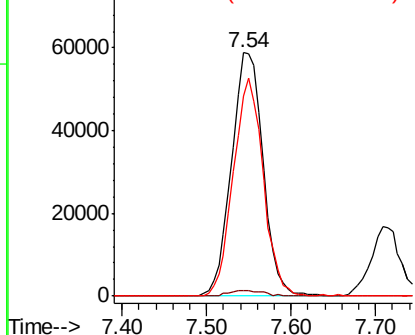
#28

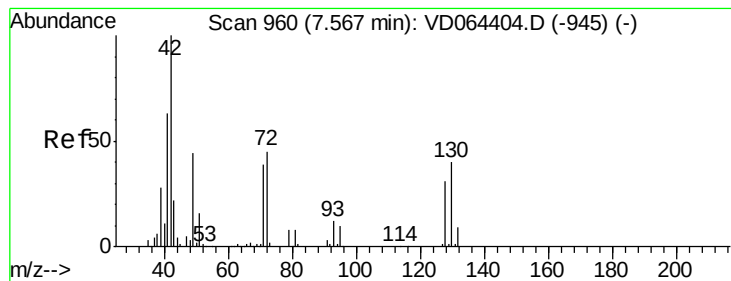
Bromochloromethane  
Concen: 50.149 ug/l  
RT: 7.54 min Scan# 956  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 2.5   | 0.0   | 4.4   |
| 130     | 84.7  | 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: 229.084 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

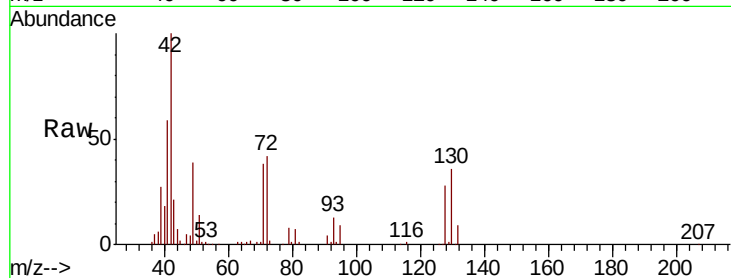
Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

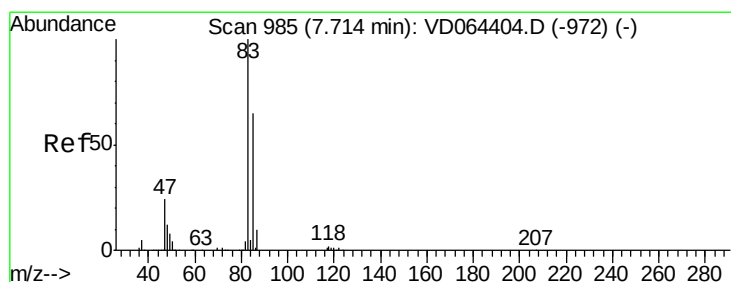
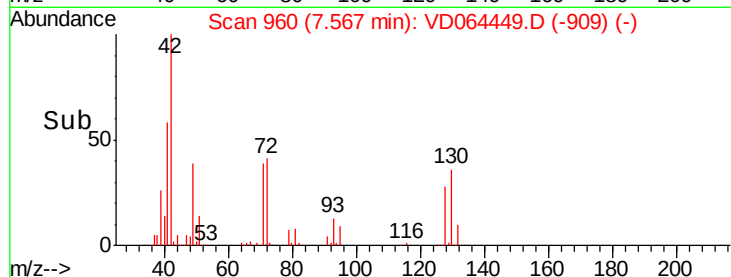
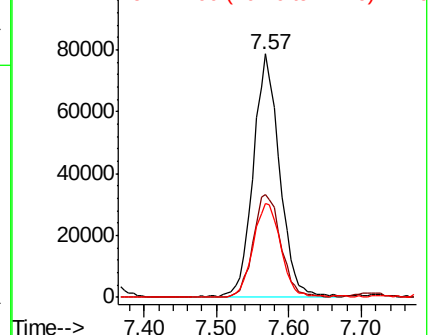
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 42 Resp: 200117

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 44.2  | 35.8  | 53.8  |
| 71  | 40.2  | 32.7  | 49.1  |



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



#30

Chloroform

Concen: 51.017 ug/l

RT: 7.71 min Scan# 984

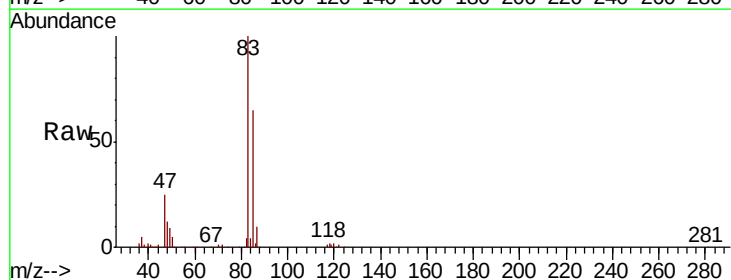
Delta R.T. -0.01 min

Lab File: VD064449.D

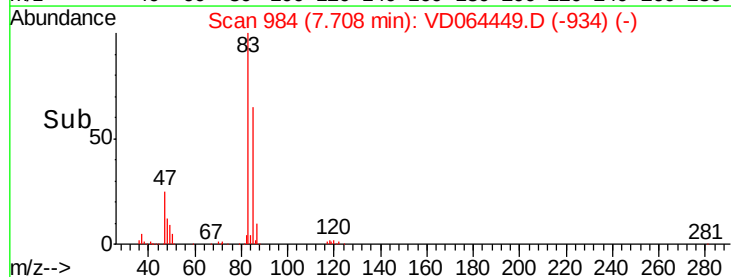
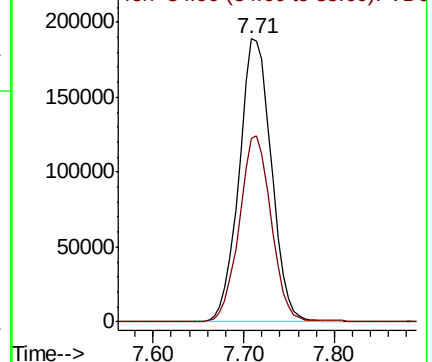
Acq: 06 Dec 2019 10:21

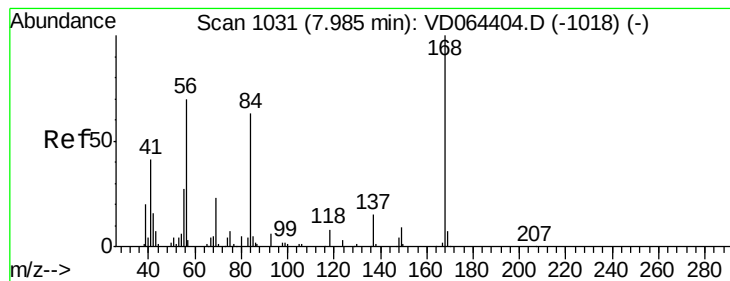
Tgt Ion: 83 Resp: 468351

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.7  | 51.8  | 77.6  |



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





#31

Cyclohexane

Concen: 55.832 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :  
MSVOA\_D  
ClientSampled :

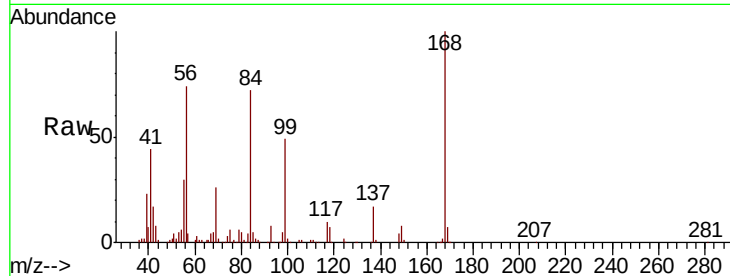
Tot Ion: 56 Resp: 427951

Ion Ratio Lower Upper

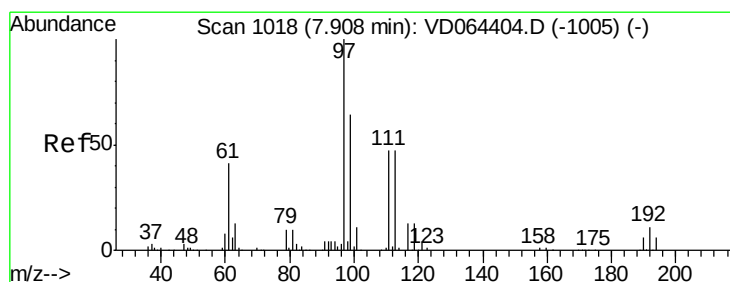
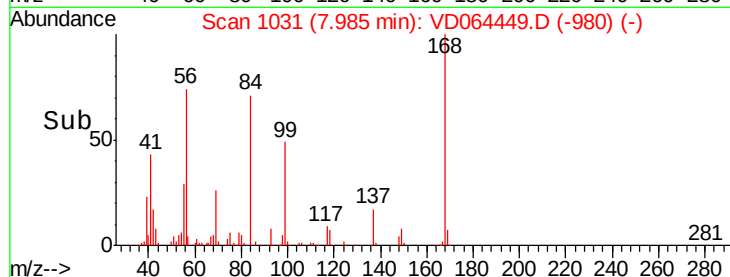
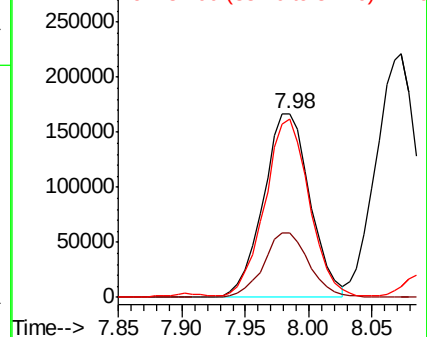
56 100

69 35.0 26.2 39.4

84 95.5 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: 51.679 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

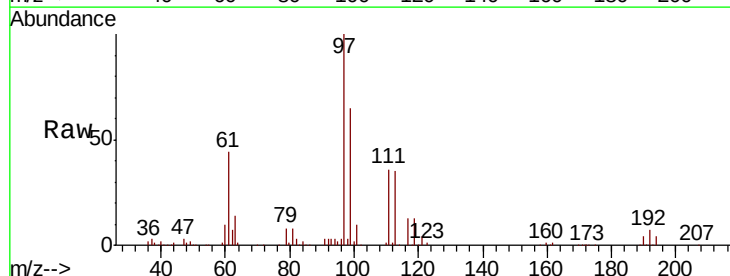
Tgt Ion: 97 Resp: 439853

Ion Ratio Lower Upper

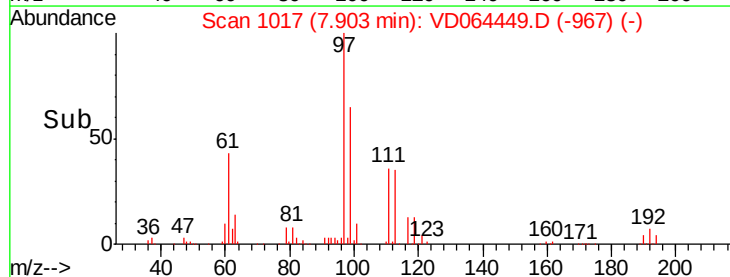
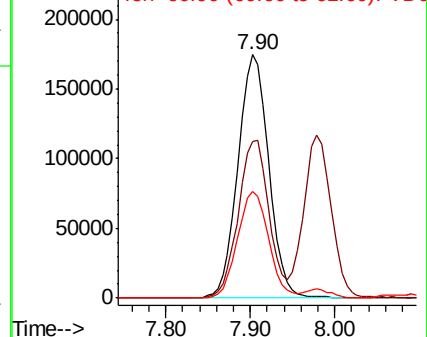
97 100

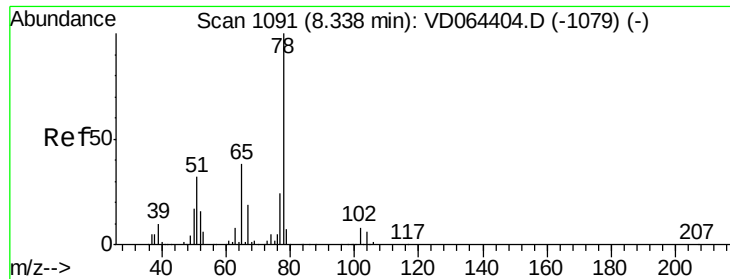
99 64.9 51.4 77.2

61 44.3 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

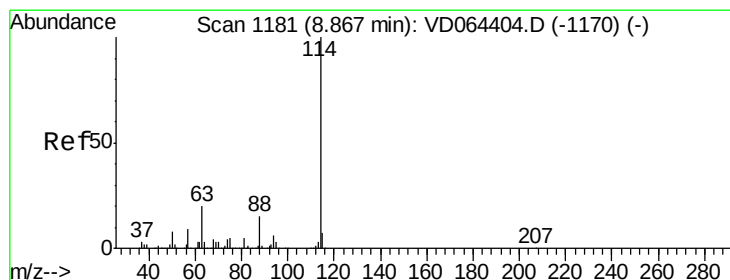
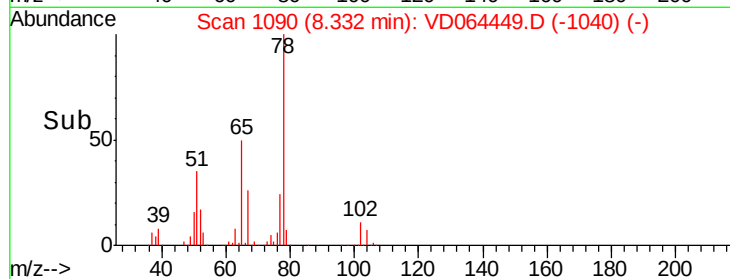
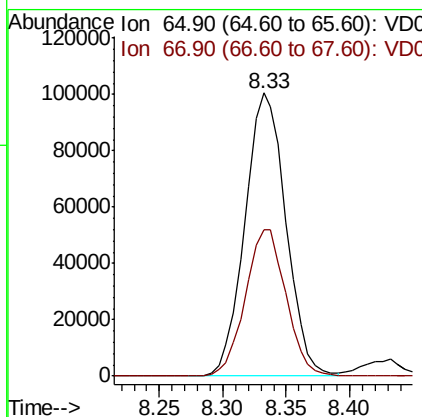
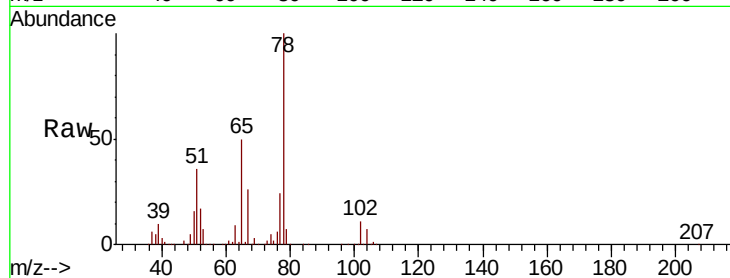




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.101 ug/l  
 RT: 8.33 min Scan# 1090  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

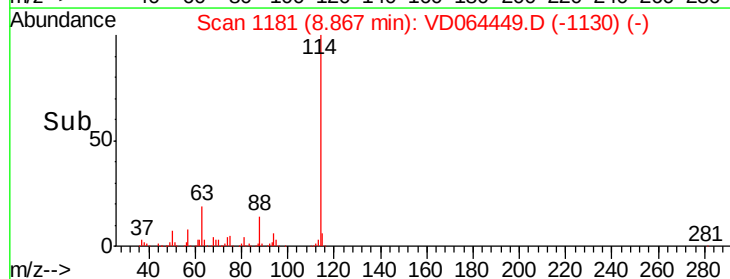
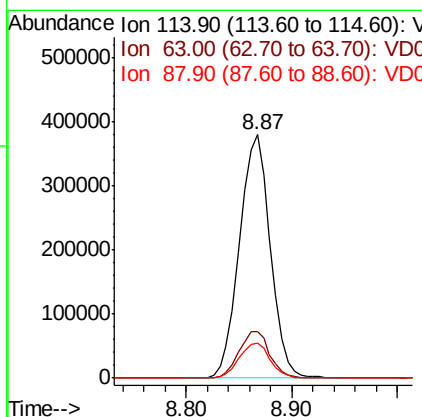
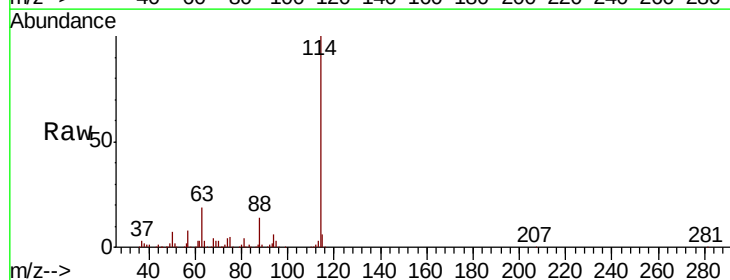
Instrument :  
 MSVOA\_D  
 ClientSampleId :

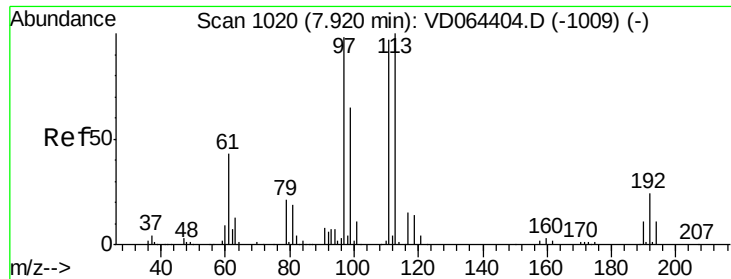
Tot Ion: 65 Resp: 226296  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 102.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.87 min Scan# 1181  
 Delta R.T. 0.00 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Tgt Ion: 114 Resp: 770945  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 40.0  
 88 14.3 0.0 29.2

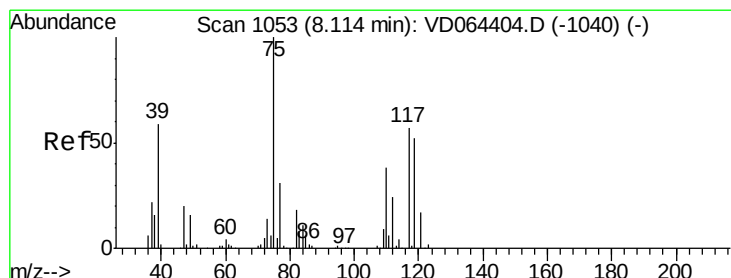
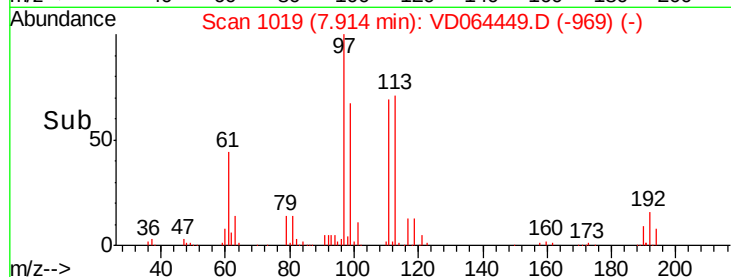
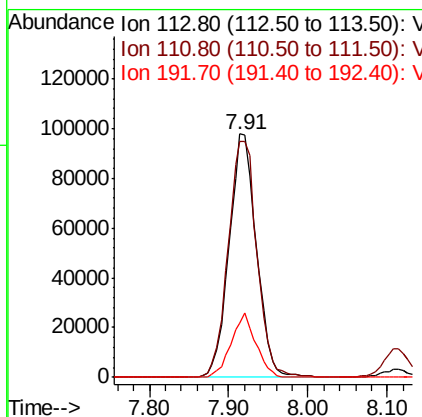
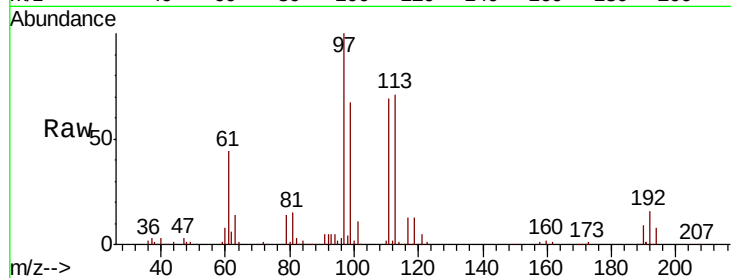




#35  
 Dibromofluoromethane  
 Concen: 47.883 ug/l  
 RT: 7.91 min Scan# 1019  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

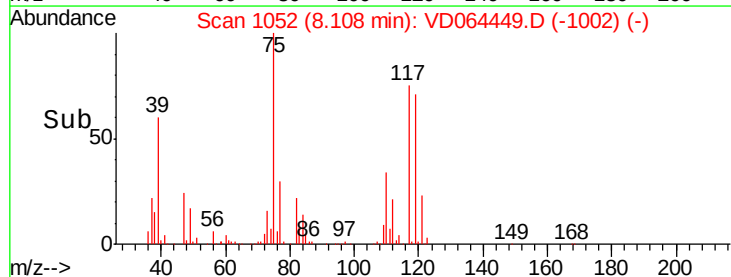
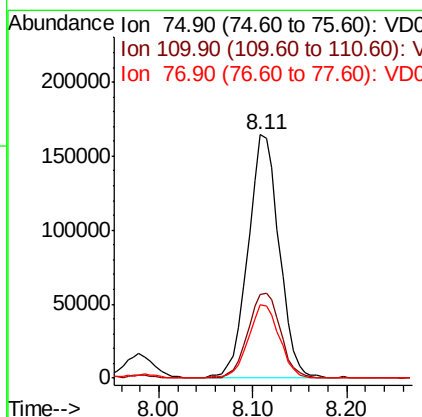
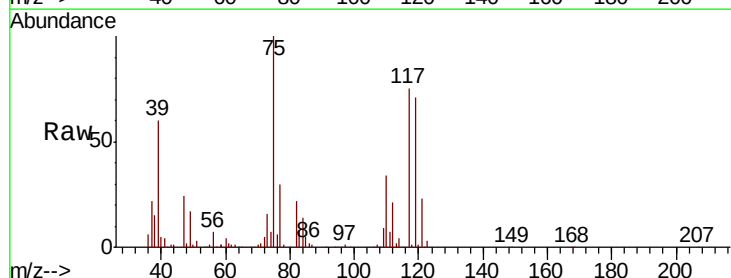
Instrument :  
 MSVOA\_D  
 ClientSampleId :

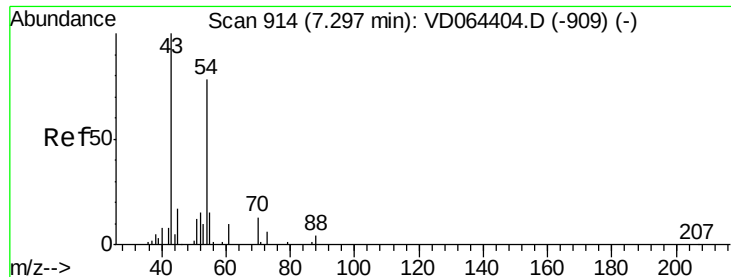
Tot Ion:113 Resp: 232586  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 79.4 119.2  
 192 23.9 18.6 28.0



#36  
 1,1-Dichloropropene  
 Concen: 51.503 ug/l  
 RT: 8.11 min Scan# 1052  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Tgt Ion: 75 Resp: 375562  
 Ion Ratio Lower Upper  
 75 100  
 110 36.5 18.6 55.8  
 77 30.5 25.0 37.4

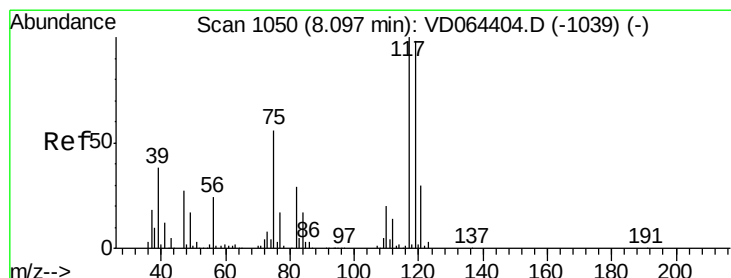
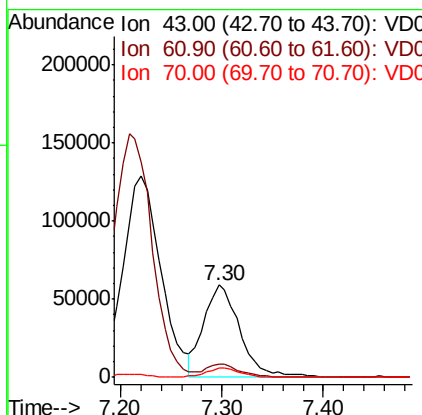
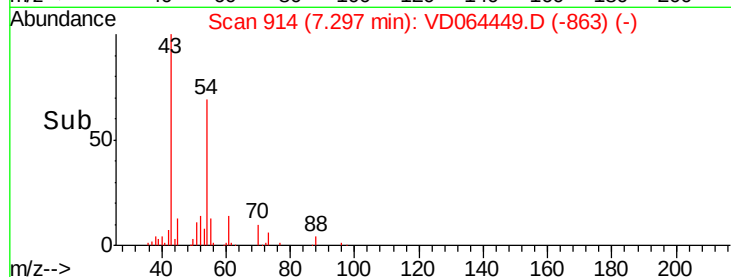
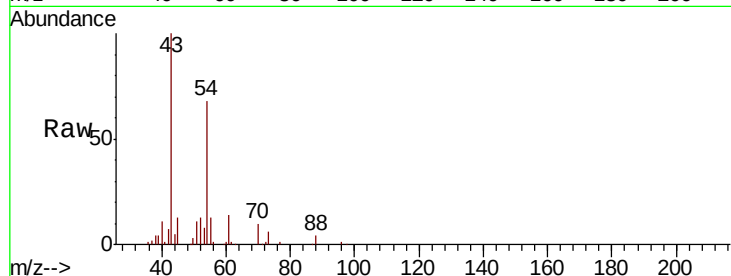




#37  
Ethyl Acetate  
Concen: 46.515 ug/l  
RT: 7.30 min Scan# 914  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

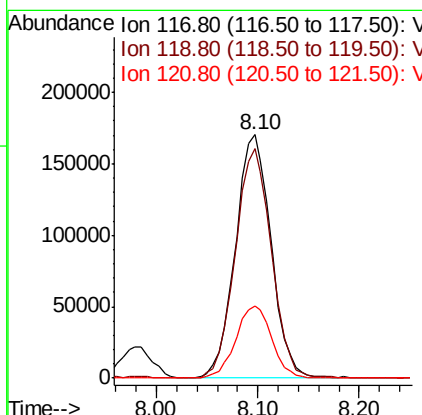
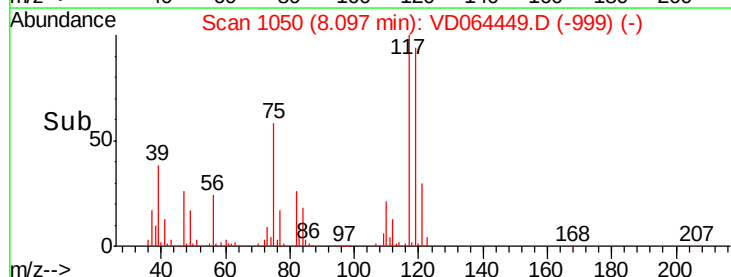
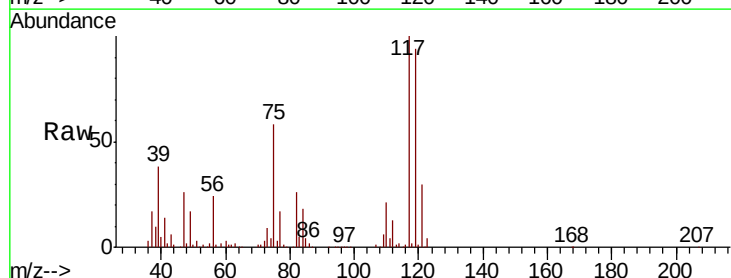
Instrument :  
MSVOA\_D  
ClientSampleId :

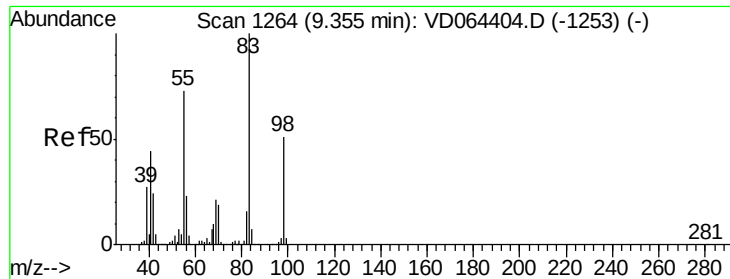
Tot Ion: 43 Resp: 143926  
Ion Ratio Lower Upper  
43 100  
61 12.4 10.9 16.3  
70 9.8 8.3 12.5



#38  
Carbon Tetrachloride  
Concen: 53.679 ug/l  
RT: 8.10 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion: 117 Resp: 413124  
Ion Ratio Lower Upper  
117 100  
119 94.4 78.8 118.2  
121 29.8 24.2 36.2

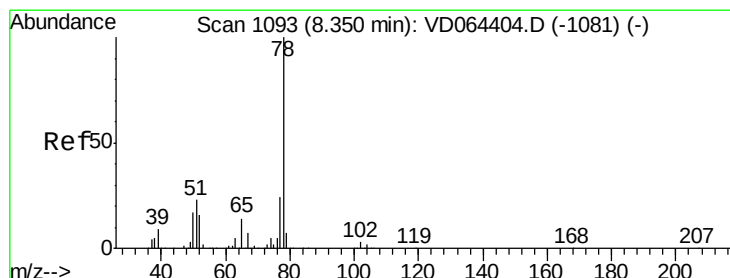
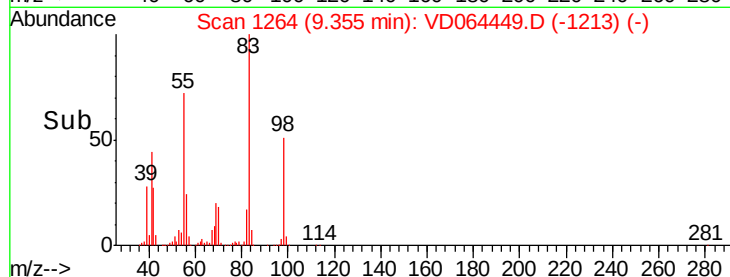
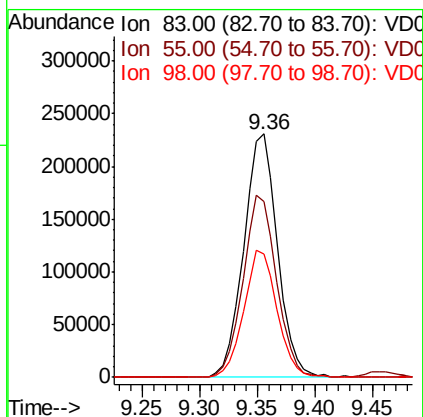
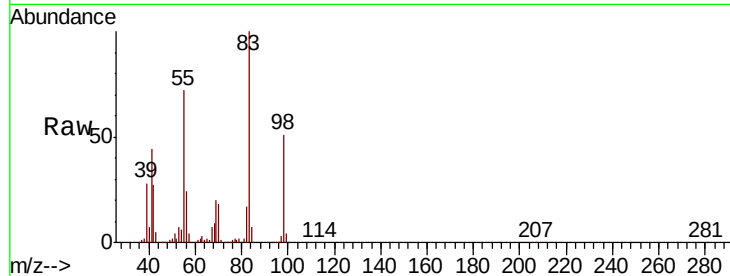




#39  
Methylvlcyclohexane  
Concen: 51.945 ug/l  
RT: 9.36 min Scan# 1264  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

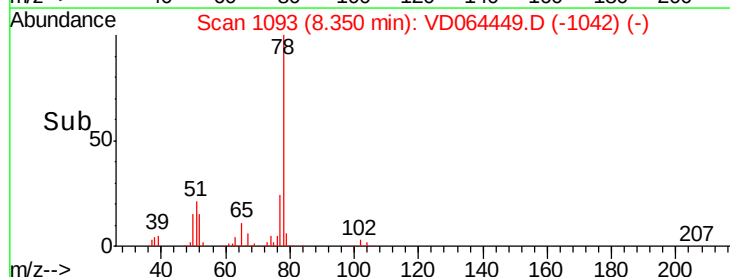
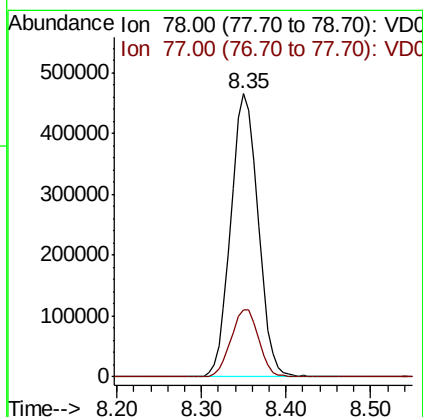
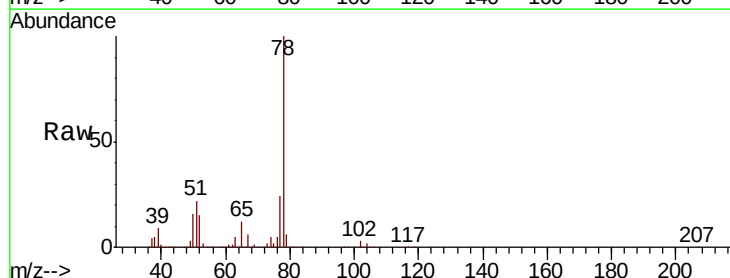
Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion: 83 Resp: 469865  
Ion Ratio Lower Upper  
83 100  
55 72.3 58.6 87.8  
98 50.9 40.9 61.3

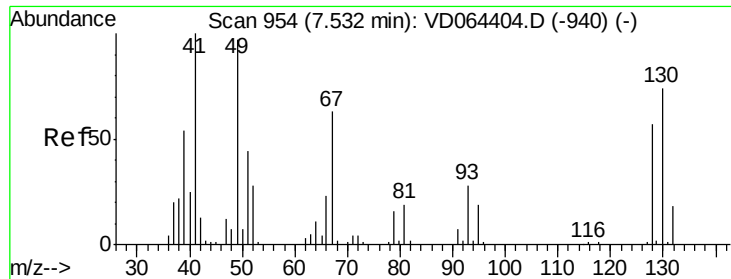


#40  
Benzene  
Concen: 51.269 ug/l  
RT: 8.35 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion: 78 Resp: 1038368  
Ion Ratio Lower Upper  
78 100  
77 23.8 19.6 29.4



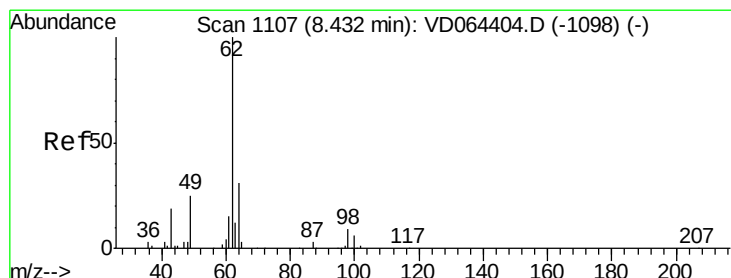
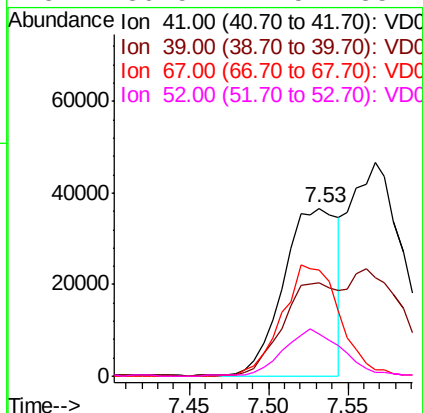
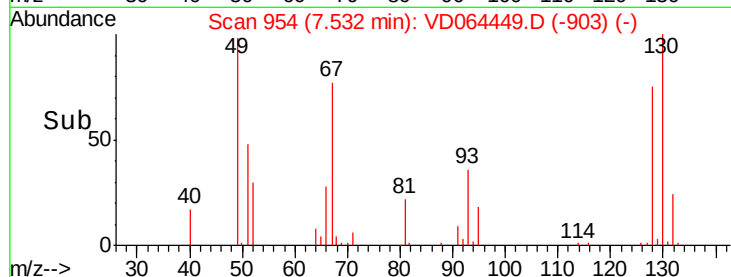
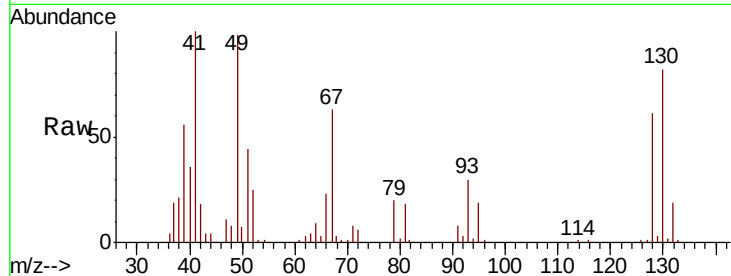




#41  
Methacrylonitrile  
Concen: 49.777 ug/l  
RT: 7.53 min Scan# 954  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

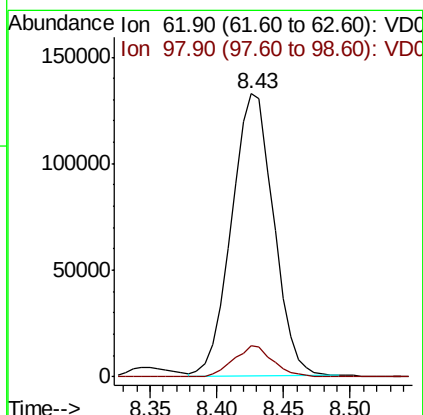
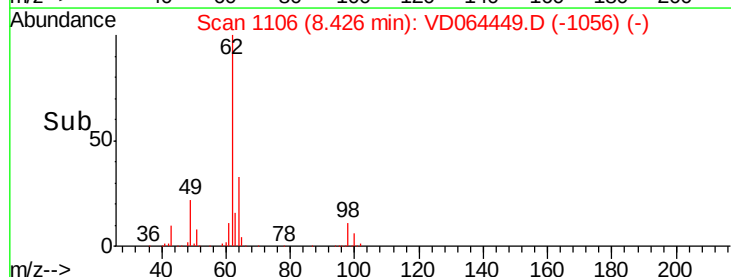
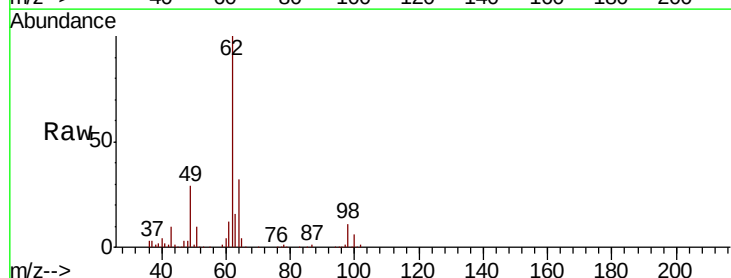
Instrument :  
MSVOA\_D  
ClientSampleId :

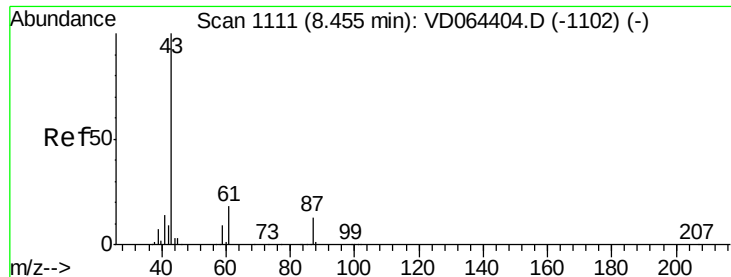
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 88328 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.2  | 44.6  | 67.0  |
| 67       | 70.1  | 50.9  | 76.3  |
| 52       | 30.5  | 22.5  | 33.7  |



#42  
1,2-Dichloroethane  
Concen: 49.016 ug/l  
RT: 8.43 min Scan# 1106  
Delta R.T. -0.01 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 289507 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.3  | 0.0   | 20.6   |





#43

Isopropyl Acetate

Concen: 47.972 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampleId :

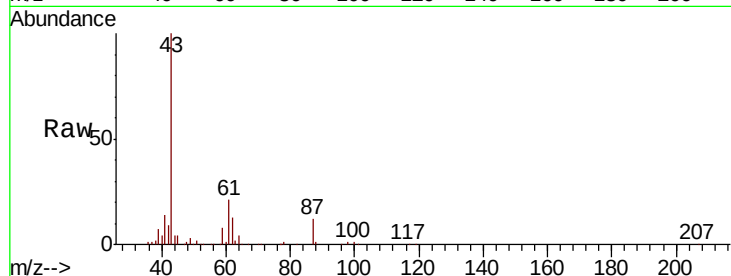
Tot Ion: 43 Resp: 291847

Ion Ratio Lower Upper

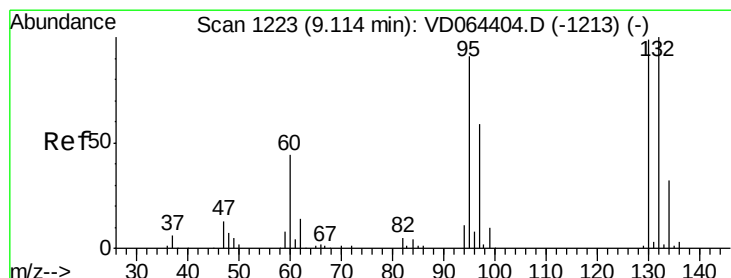
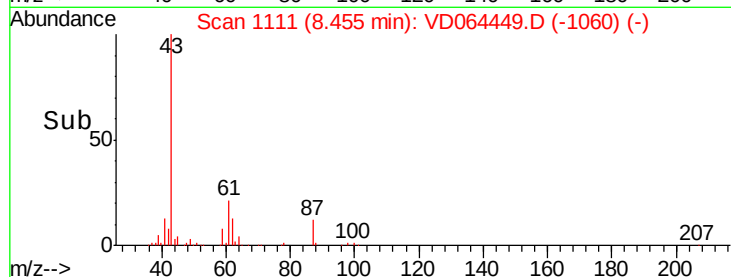
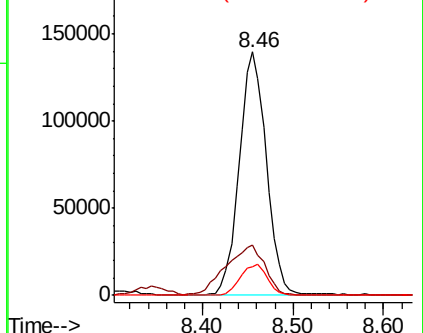
43 100

61 29.7 24.0 36.0

87 12.7 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VDC  
Ion 61.00 (60.70 to 61.70): VDC  
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.045 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064449.D

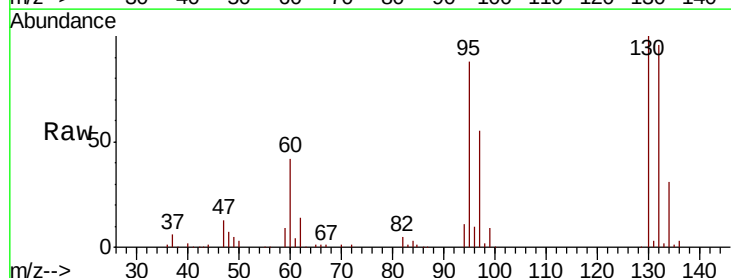
Acq: 06 Dec 2019 10:21

Tgt Ion:130 Resp: 305315

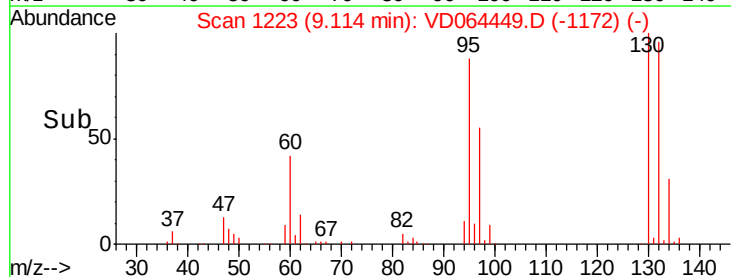
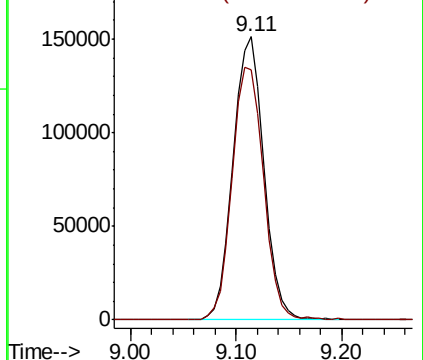
Ion Ratio Lower Upper

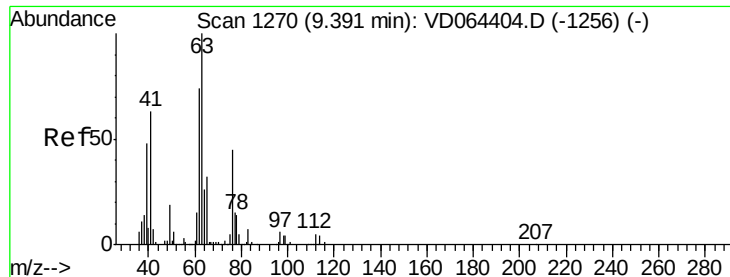
130 100

95 88.4 0.0 184.6



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

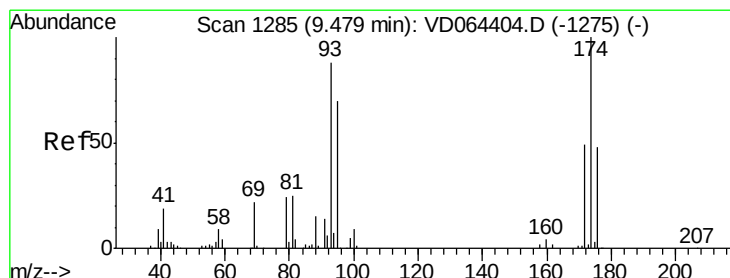
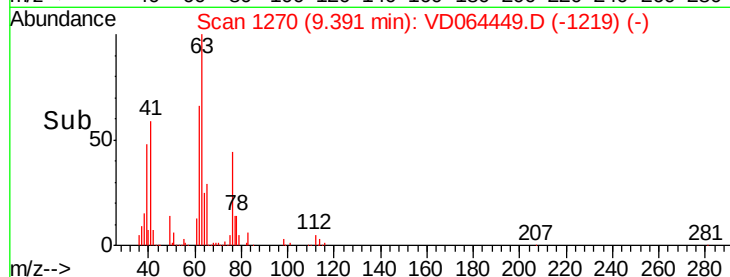
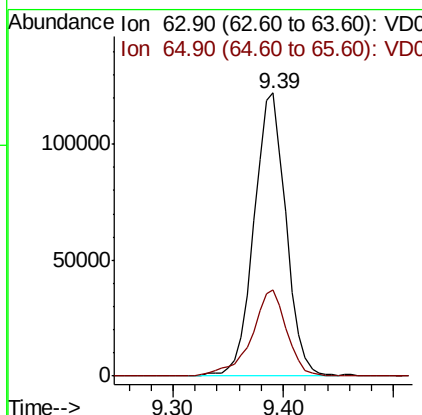
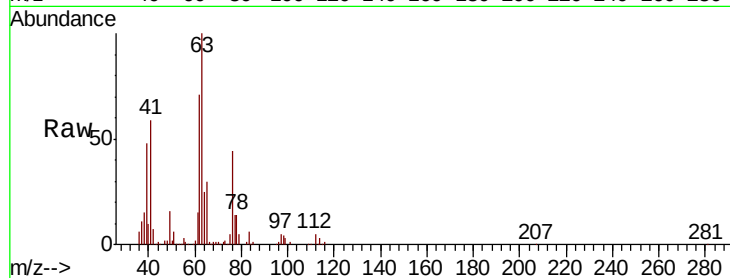




#45  
 1,2-Dichloropropane  
 Concen: 51.271 ug/l  
 RT: 9.39 min Scan# 1270  
 Delta R.T. 0.00 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

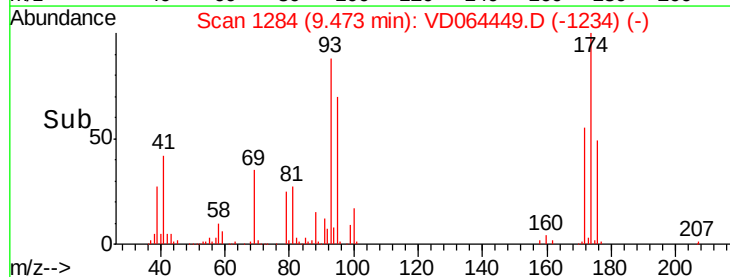
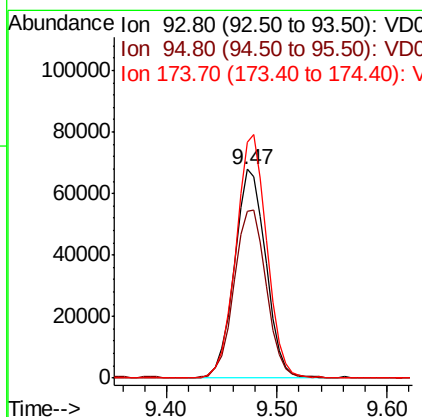
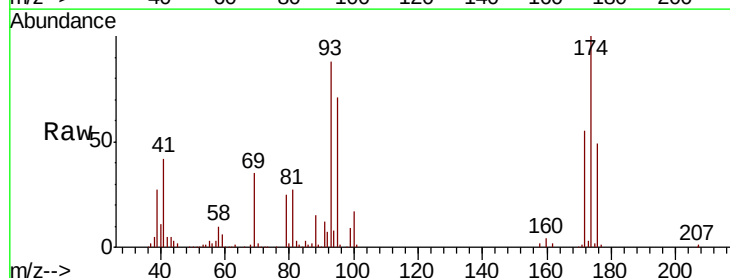
Instrument :  
 MSVOA\_D  
 ClientSampled :

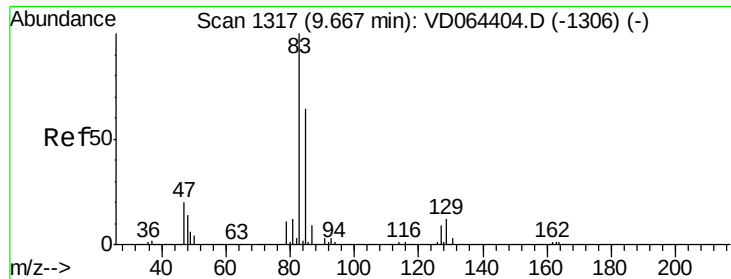
Tot Ion: 63 Resp: 248340  
 Ion Ratio Lower Upper  
 63 100  
 65 30.2 25.4 38.0



#46  
 Dibromomethane  
 Concen: 49.785 ug/l  
 RT: 9.47 min Scan# 1284  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Tgt Ion: 93 Resp: 136102  
 Ion Ratio Lower Upper  
 93 100  
 95 83.0 66.7 100.1  
 174 114.7 92.3 138.5

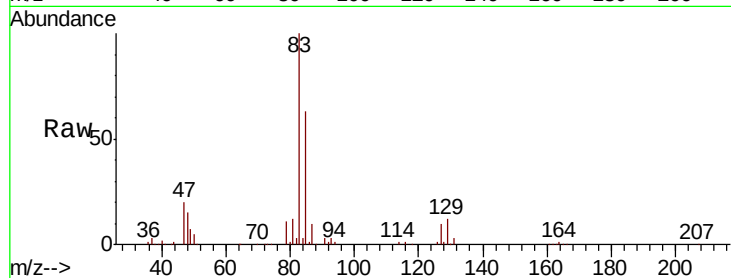




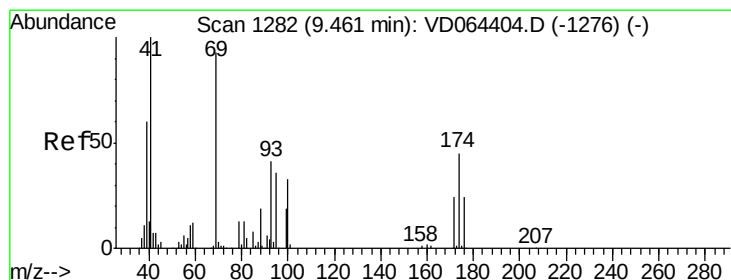
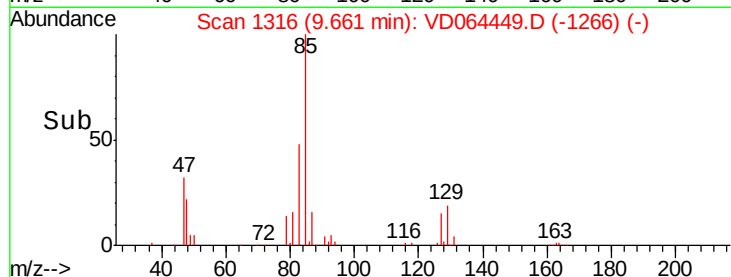
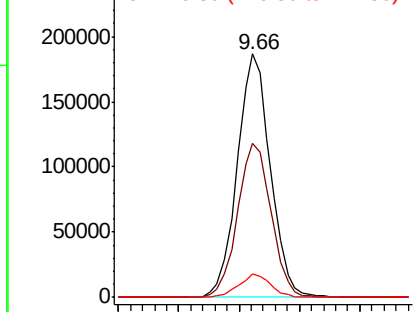
#47  
 Bromodichloromethane  
 Concen: 50.716 ug/l  
 RT: 9.66 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Instrument :  
 MSVOA\_D  
 ClientSampleID :

| Tot Ion   | 83   | Resp | 356249 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| 85        | 63.3 | 51.1 | 76.7   |
| 127       | 9.6  | 7.4  | 11.0   |

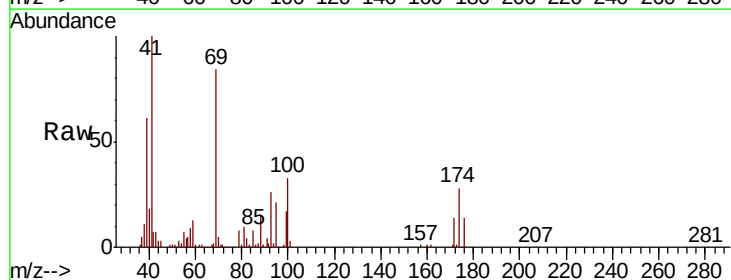


Abundance Ion 82.90 (82.60 to 83.60): VDC  
 Ion 84.90 (84.60 to 85.60): VDC  
 Ion 126.80 (126.50 to 127.50): VDC

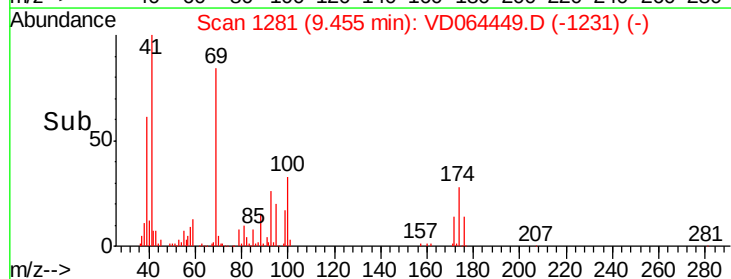
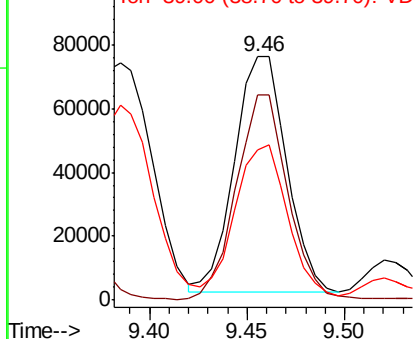


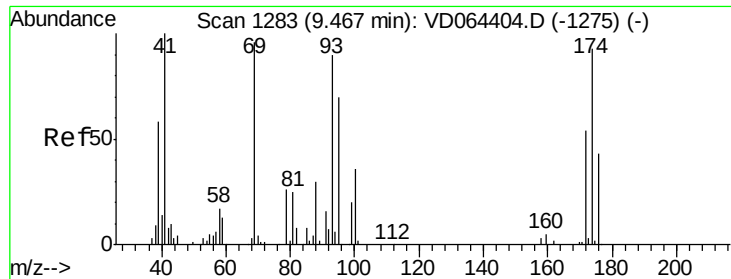
#48  
 Methyl methacrylate  
 Concen: 48.965 ug/l  
 RT: 9.46 min Scan# 1281  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

| Tgt Ion   | 41   | Resp | 136312 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| 69        | 85.9 | 72.0 | 108.0  |
| 39        | 63.4 | 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

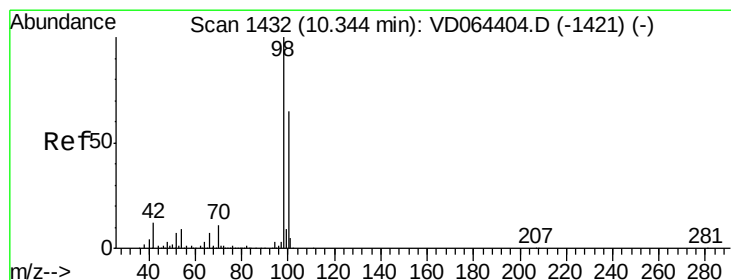
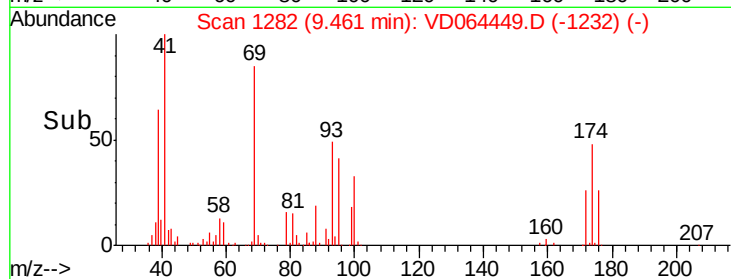
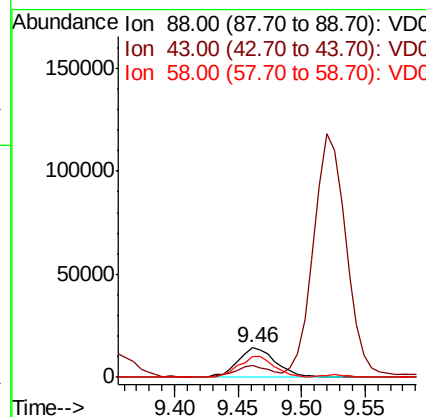
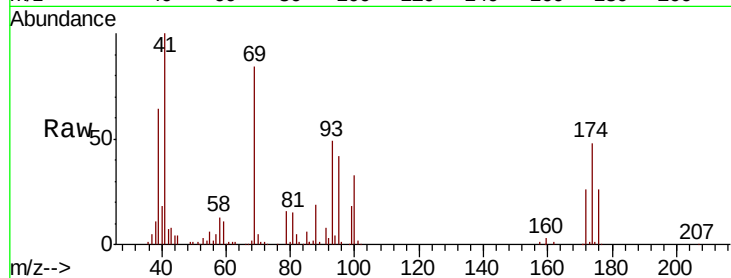




#49  
1,4-Dioxane  
Concen: 885.800 ug/l  
RT: 9.46 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

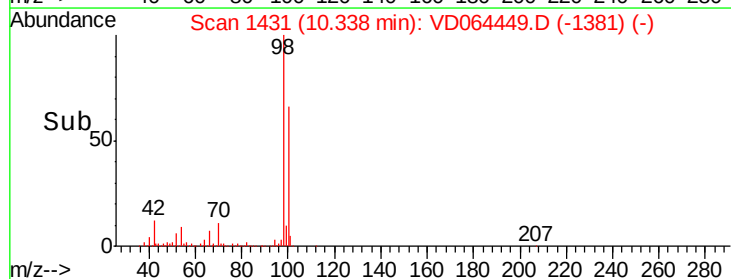
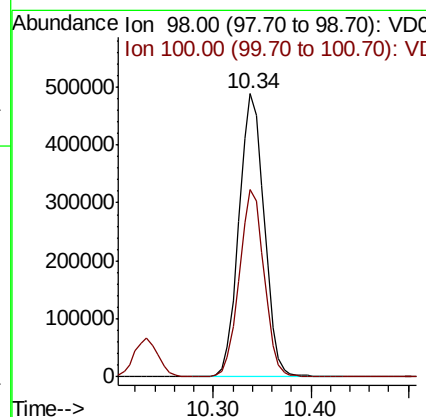
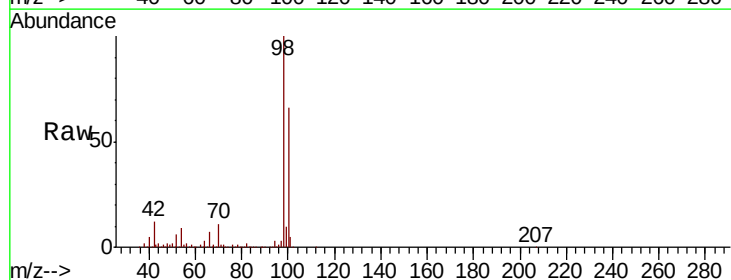
Instrument :  
MSVOA\_D  
ClientSampleId :

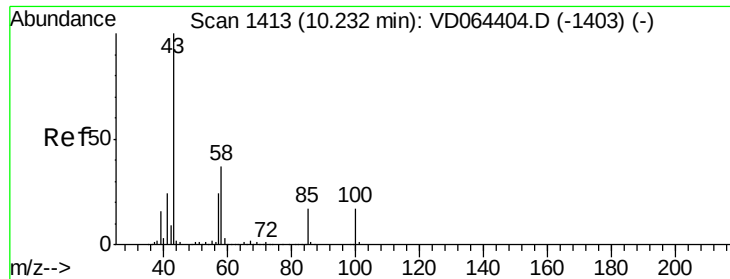
Tot Ion: 88 Resp: 29903  
Ion Ratio Lower Upper  
88 100  
43 35.9 26.7 40.1  
58 67.6 52.3 78.5



#50  
Toluene-d8  
Concen: 48.073 ug/l  
RT: 10.34 min Scan# 1431  
Delta R.T. -0.01 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion: 98 Resp: 879592  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 236.249 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

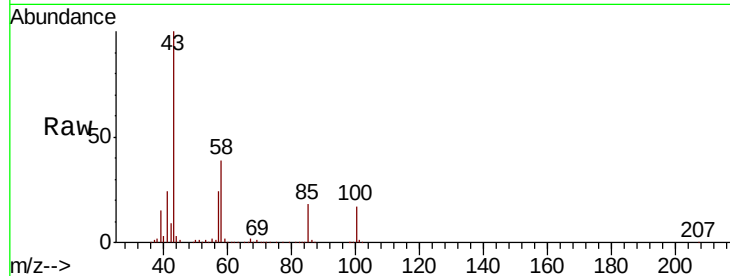
ClientSampled :

Tot Ion: 43 Resp: 711152

Ion Ratio Lower Upper

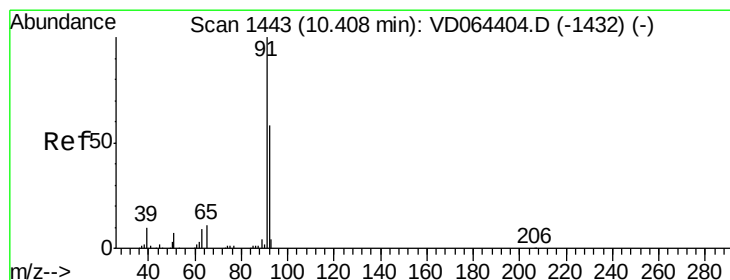
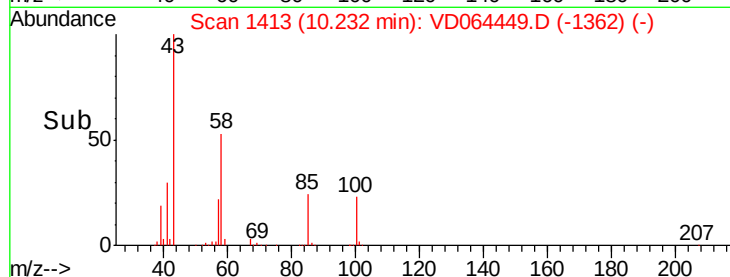
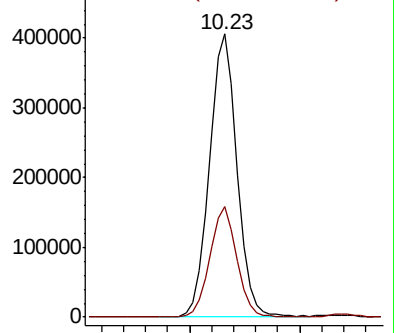
43 100

58 38.2 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 50.464 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064449.D

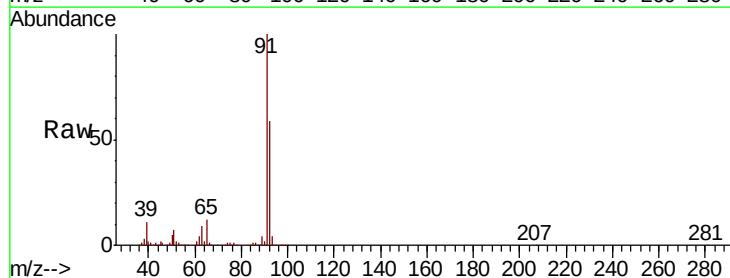
Acq: 06 Dec 2019 10:21

Tgt Ion: 92 Resp: 666080

Ion Ratio Lower Upper

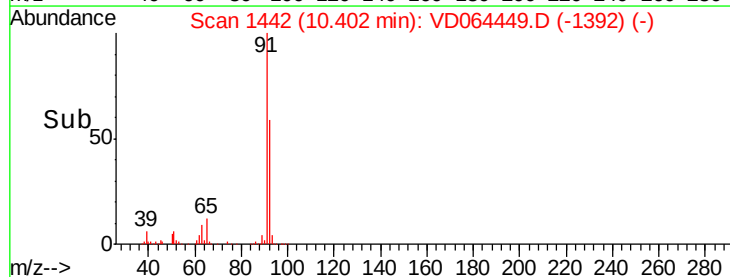
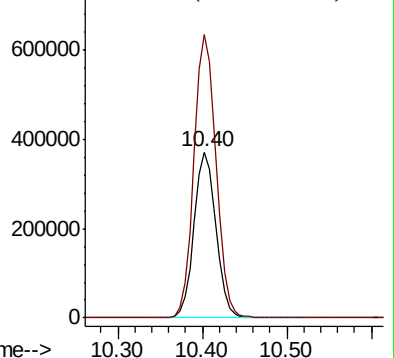
92 100

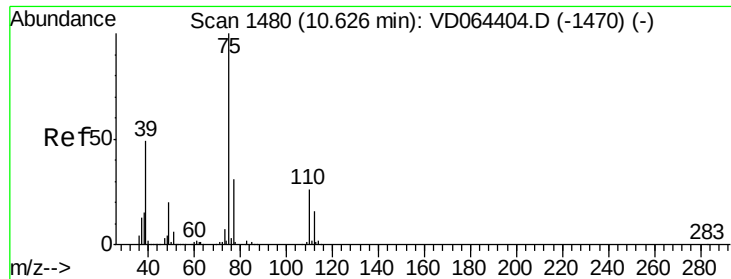
91 172.4 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 51.147 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

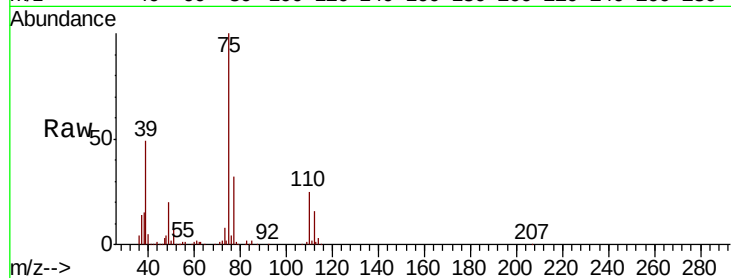
ClientSampleId :

Tot Ion: 75 Resp: 342402

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.62

200000

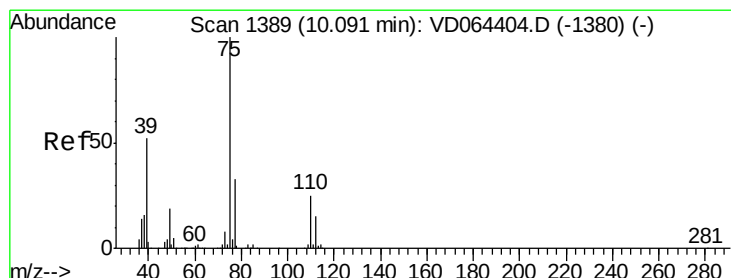
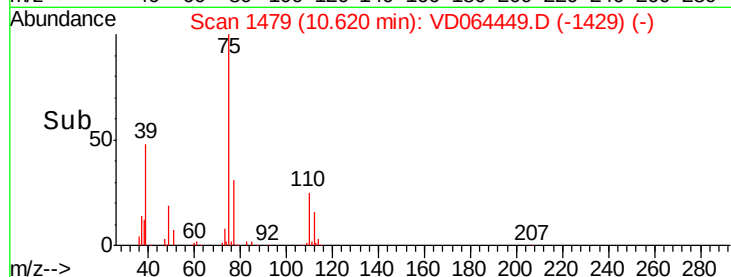
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.658 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

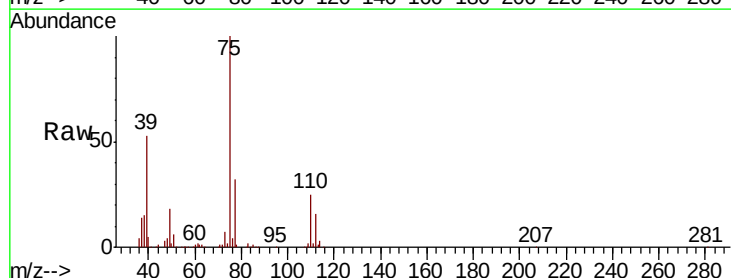
Tgt Ion: 75 Resp: 410826

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1

39 52.7 41.5 62.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

300000

250000

200000

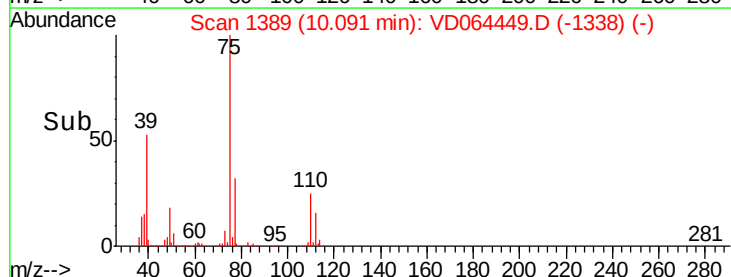
150000

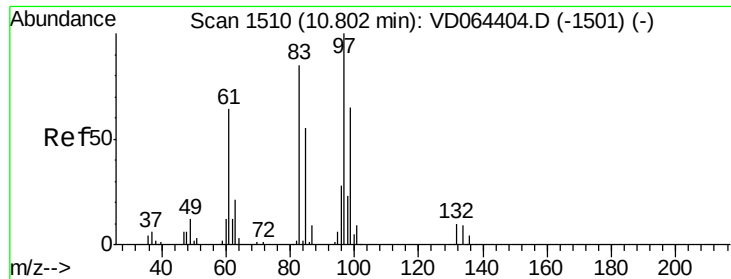
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.499 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampleId :

Tot Ion: 97 Resp: 181549

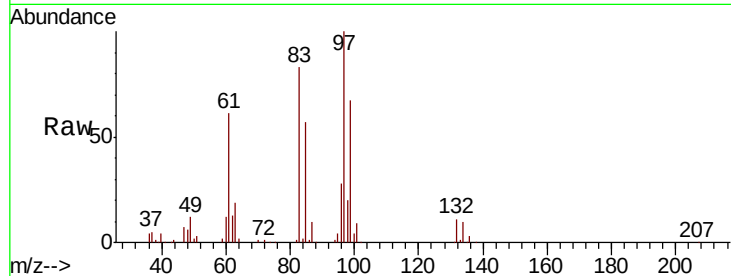
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 83.1  | 67.8  | 101.8 |
| 85  | 57.0  | 43.7  | 65.5  |
| 99  | 66.5  | 51.7  | 77.5  |

97 100

83 83.1 67.8 101.8

85 57.0 43.7 65.5

99 66.5 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

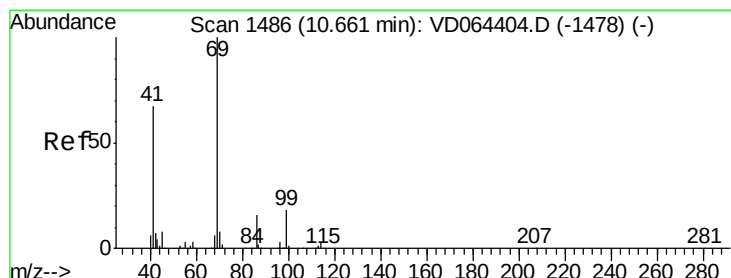
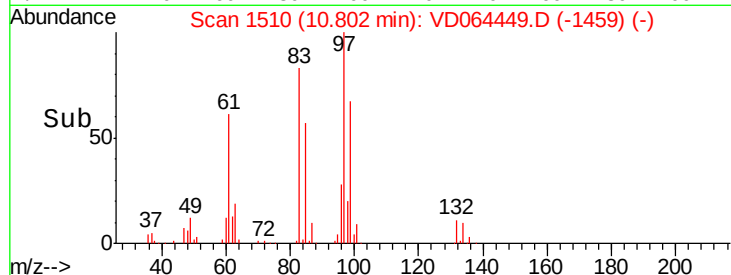
10.80

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 48.774 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

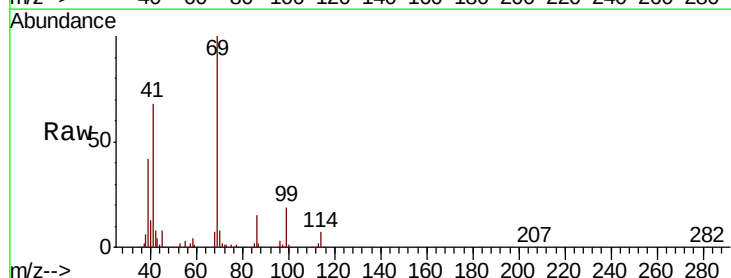
Tgt Ion: 69 Resp: 232868

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 68.8  | 55.0  | 82.4  |
| 39  | 40.0  | 33.0  | 49.6  |

69 100

41 68.8 55.0 82.4

39 40.0 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

10.66

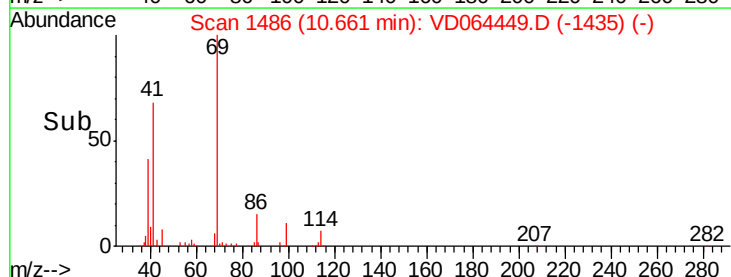
150000

100000

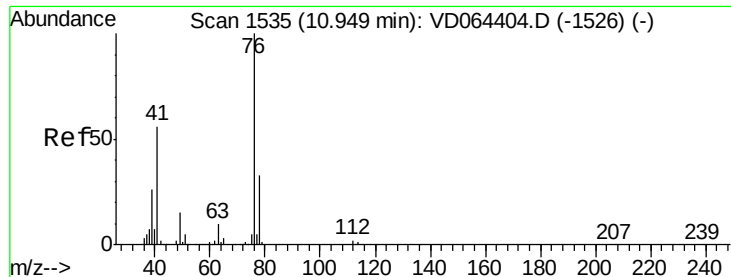
50000

0

Time-->







#57

1,3-Dichloropropane

Concen: 49.404 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

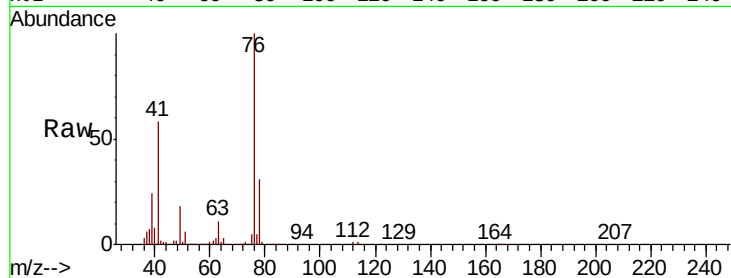
ClientSampleId :

Tot Ion: 76 Resp: 314811

Ion Ratio Lower Upper

76 100

78 32.8 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

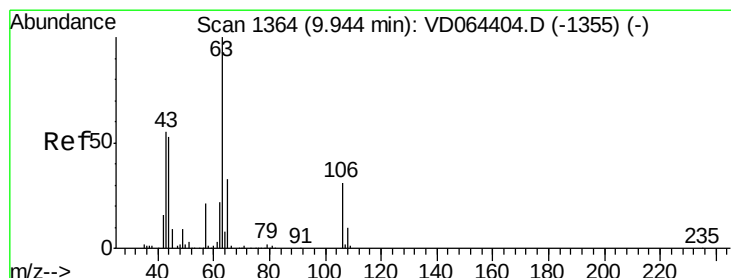
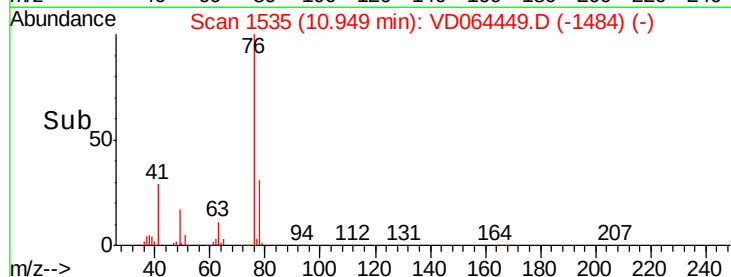
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 219.436 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064449.D

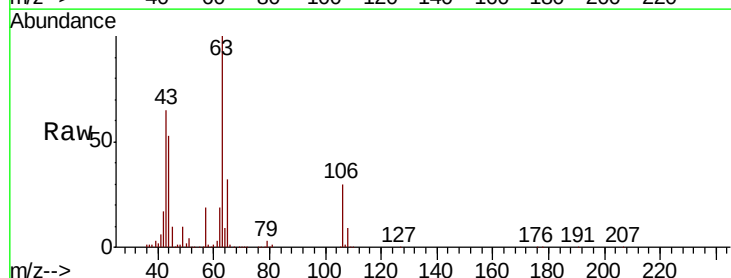
Acq: 06 Dec 2019 10:21

Tgt Ion: 63 Resp: 417643

Ion Ratio Lower Upper

63 100

106 30.6 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

250000

200000

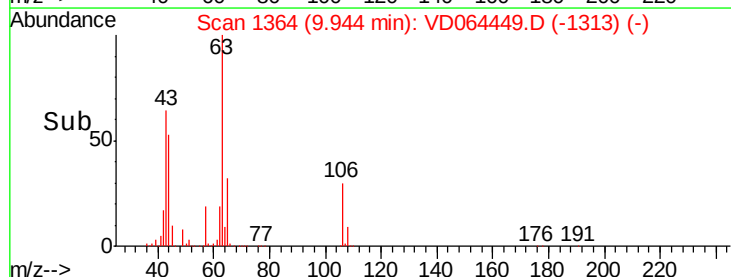
150000

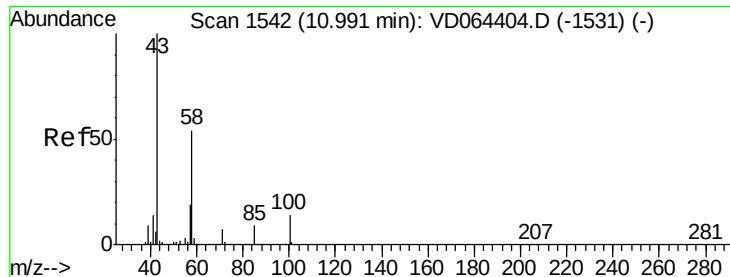
100000

50000

0

Time-->

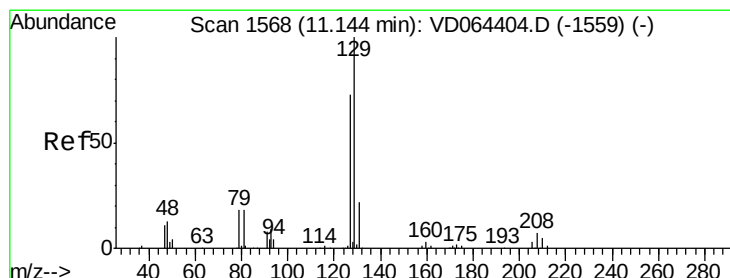
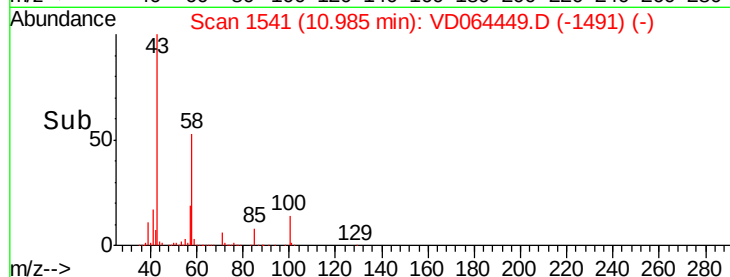
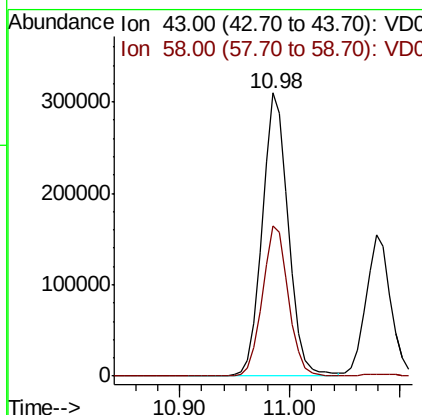
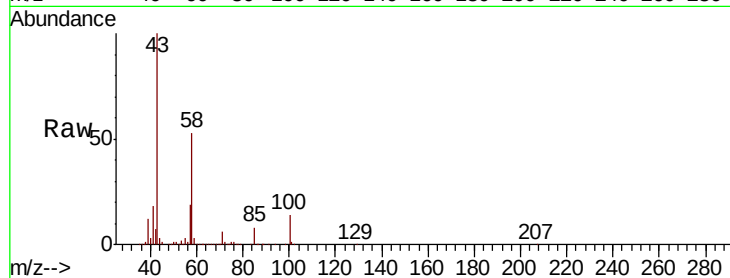




#59  
2-Hexanone  
Concen: 245.641 ug/l  
RT: 10.98 min Scan# 1541  
Delta R.T. -0.01 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

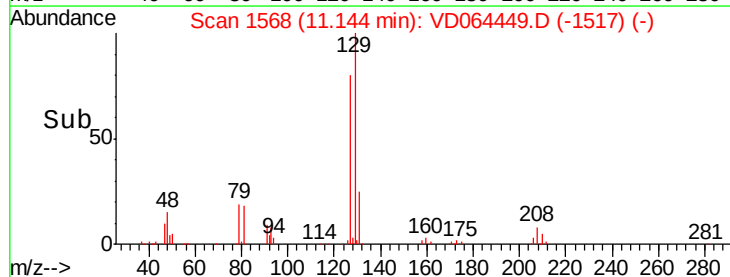
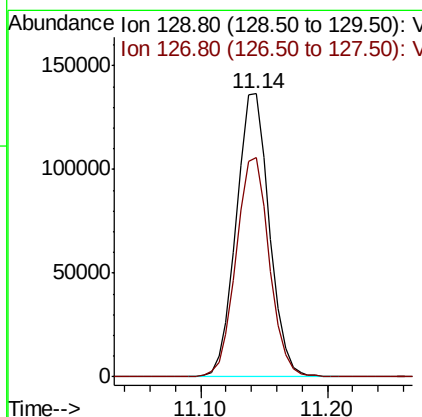
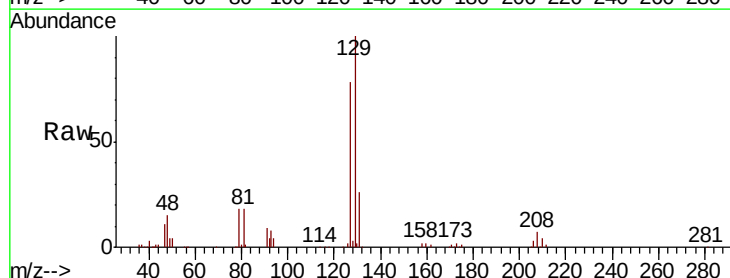
Instrument :  
MSVOA\_D  
ClientSampleId :

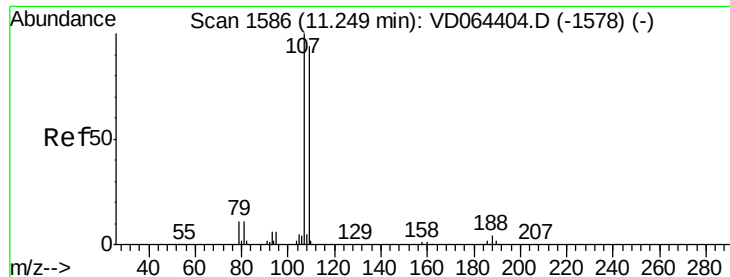
Tot Ion: 43 Resp: 513078  
Ion Ratio Lower Upper  
43 100  
58 52.9 26.3 78.8



#60  
Dibromochloromethane  
Concen: 48.822 ug/l  
RT: 11.14 min Scan# 1568  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion: 129 Resp: 247789  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.1 114.3

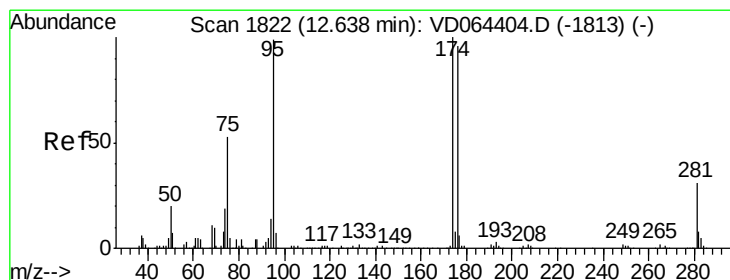
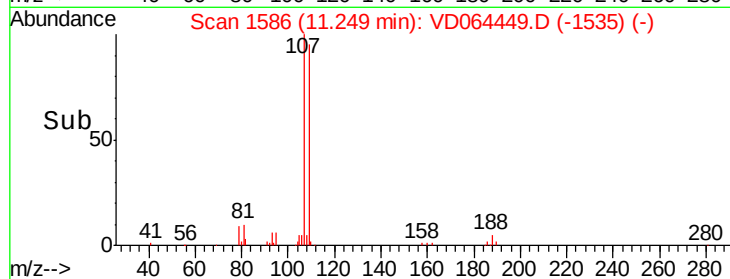
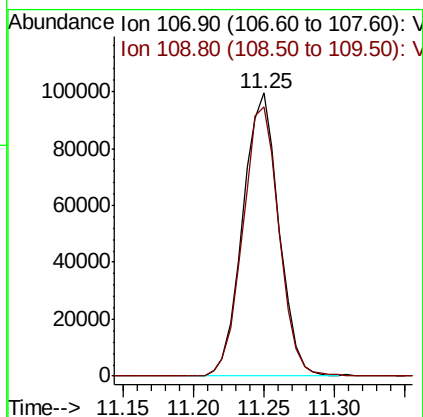
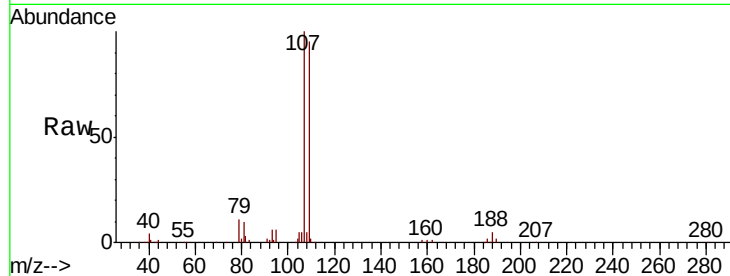




#61  
 1,2-Dibromoethane  
 Concen: 47.602 ug/l  
 RT: 11.25 min Scan# 1586  
 Delta R.T. 0.00 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

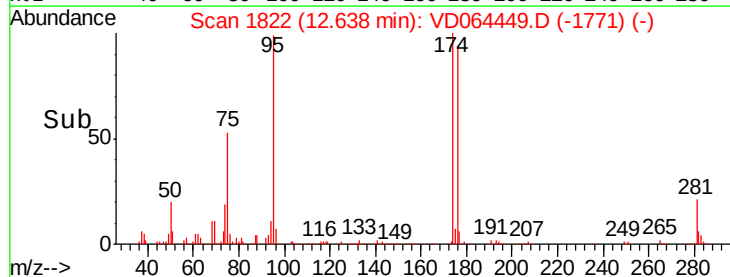
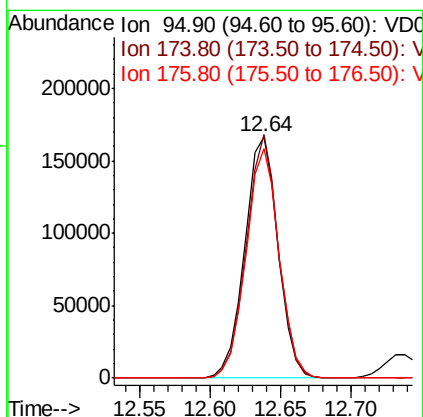
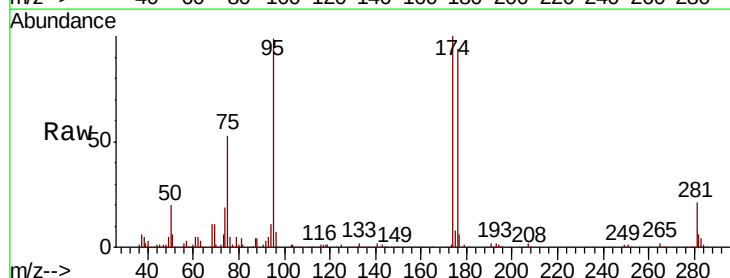
Instrument :  
 MSVOA\_D  
 ClientSampled :

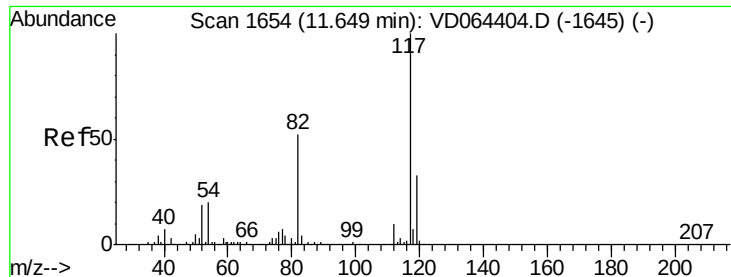
Tot Ion: 107 Resp: 177913  
 Ion Ratio Lower Upper  
 107 100  
 109 96.2 76.2 114.2



#62  
 4-Bromofluorobenzene  
 Concen: 46.891 ug/l  
 RT: 12.64 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Tgt Ion: 95 Resp: 275728  
 Ion Ratio Lower Upper  
 95 100  
 174 97.2 0.0 197.2  
 176 94.4 0.0 189.6

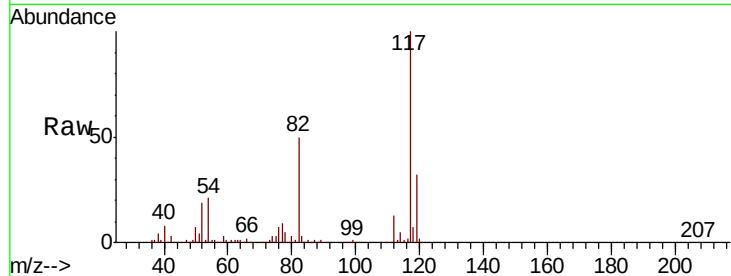




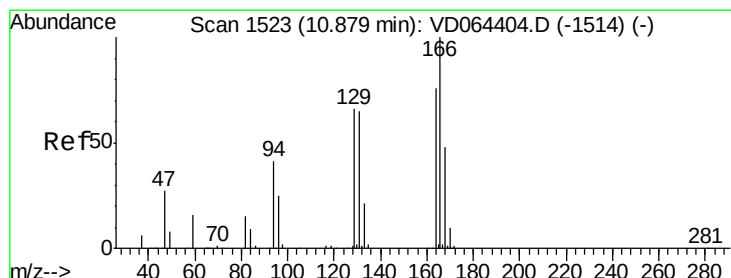
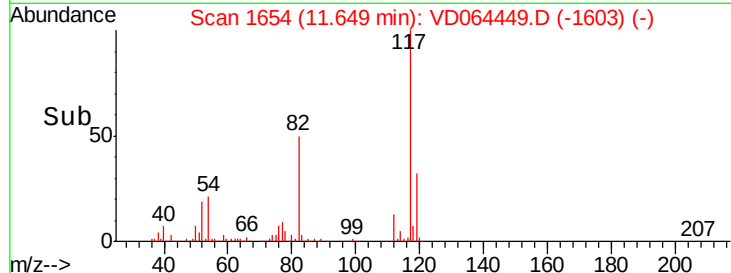
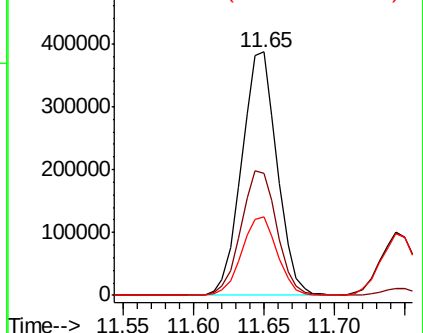
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.65 min Scan# 1654  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Instrument :  
MSVOA\_D  
ClientSampled :

Tot Ion:117 Resp: 679839  
Ion Ratio Lower Upper  
117 100  
82 49.9 41.4 62.2  
119 32.2 26.2 39.2

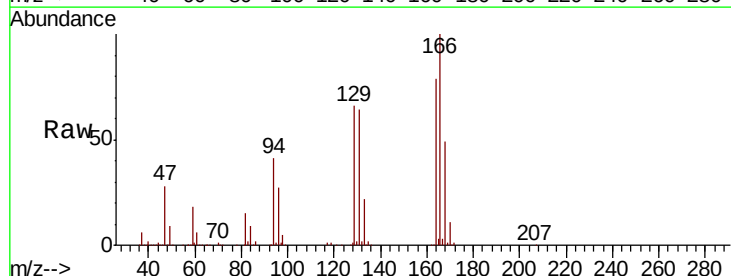


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VD  
Ion 118.90 (118.60 to 119.60): V

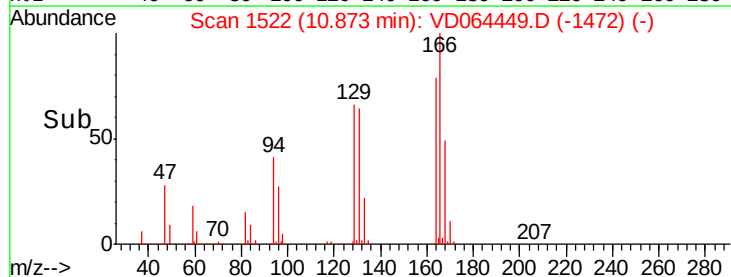
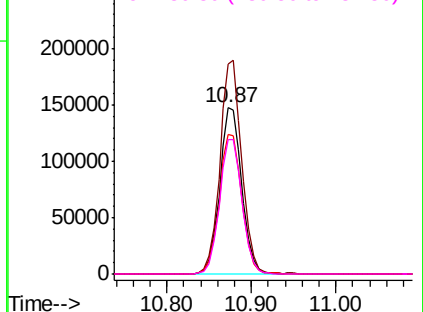


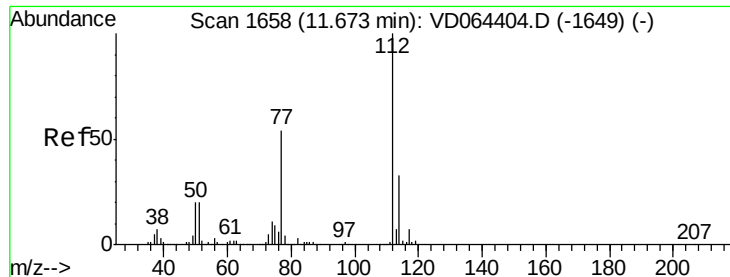
#64  
Tetrachloroethene  
Concen: 51.394 ug/l  
RT: 10.87 min Scan# 1522  
Delta R.T. -0.01 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion:164 Resp: 266442  
Ion Ratio Lower Upper  
164 100  
166 126.6 104.8 157.2  
129 84.2 68.7 103.1  
131 80.9 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

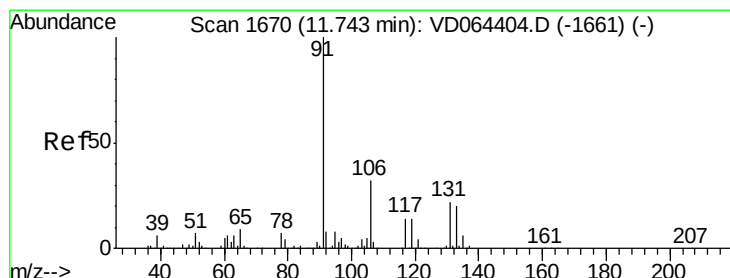
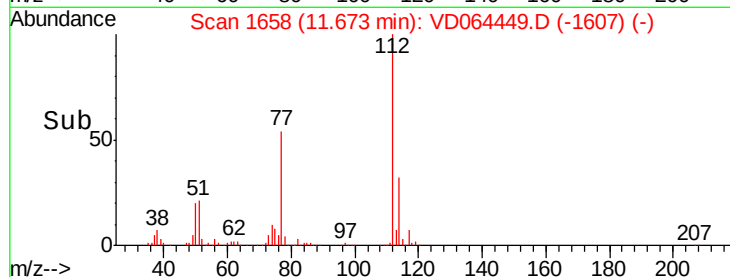
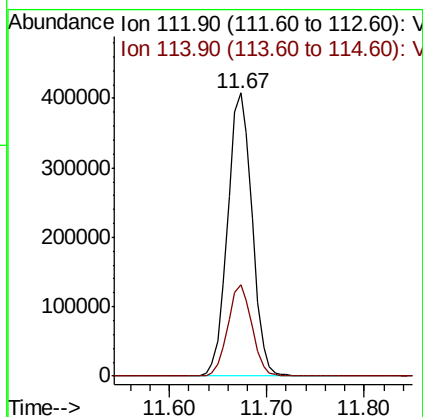
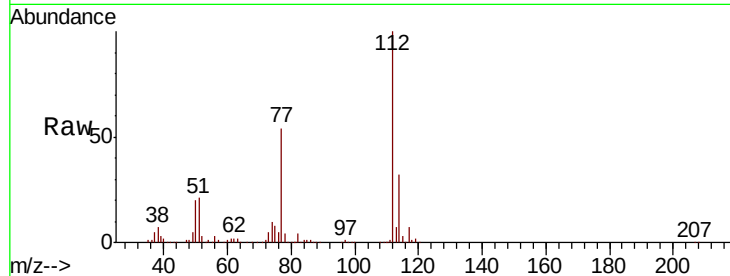




#65  
Chlorobenzene  
Concen: 49.900 ug/l  
RT: 11.67 min Scan# 1658  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

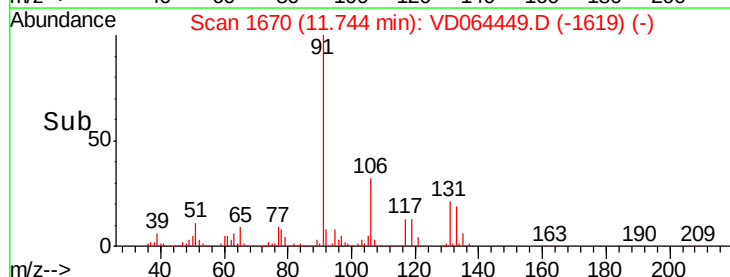
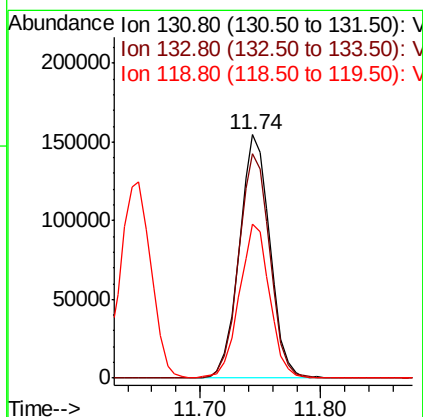
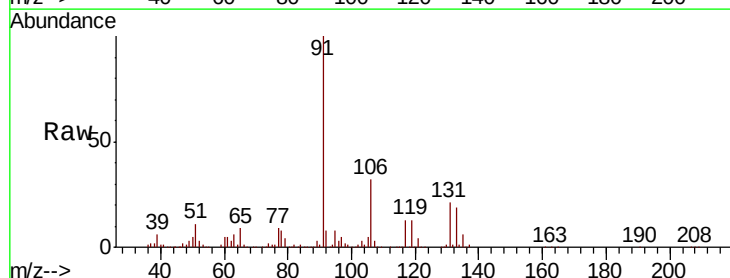
Instrument :  
MSVOA\_D  
ClientSampled :

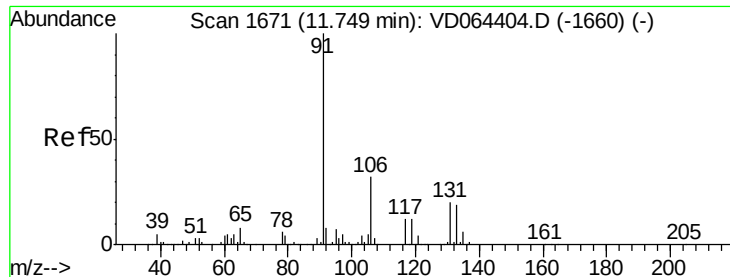
Tot Ion:112 Resp: 707545  
Ion Ratio Lower Upper  
112 100  
114 32.2 26.5 39.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.862 ug/l  
RT: 11.74 min Scan# 1670  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion:131 Resp: 272221  
Ion Ratio Lower Upper  
131 100  
133 93.6 48.3 144.9  
119 62.8 31.9 95.9





#67

Ethyl Benzene

Concen: 50.742 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

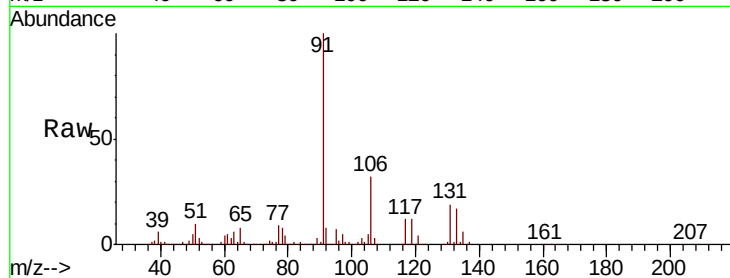
ClientSampled :

Tot Ion: 91 Resp: 1280133

Ion Ratio Lower Upper

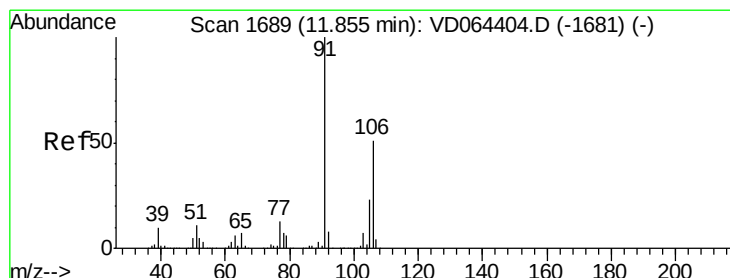
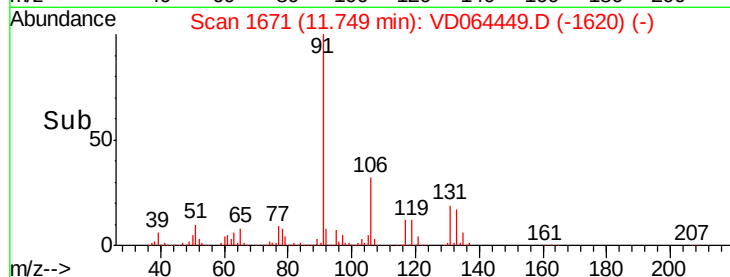
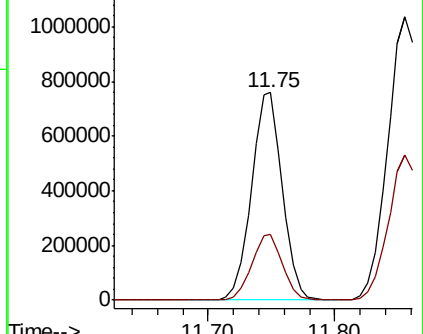
91 100

106 32.0 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 102.617 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064449.D

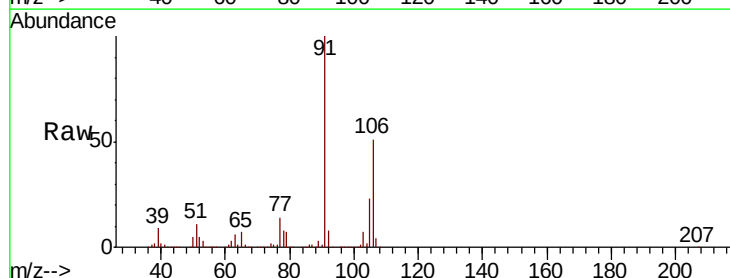
Acq: 06 Dec 2019 10:21

Tgt Ion: 106 Resp: 987093

Ion Ratio Lower Upper

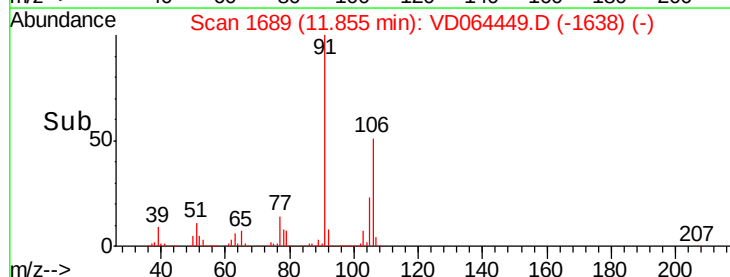
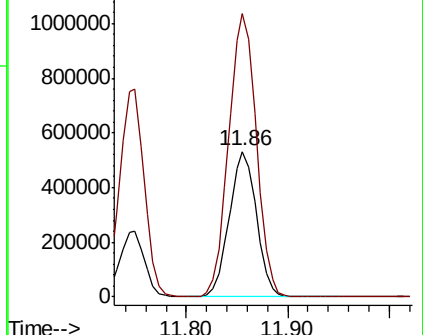
106 100

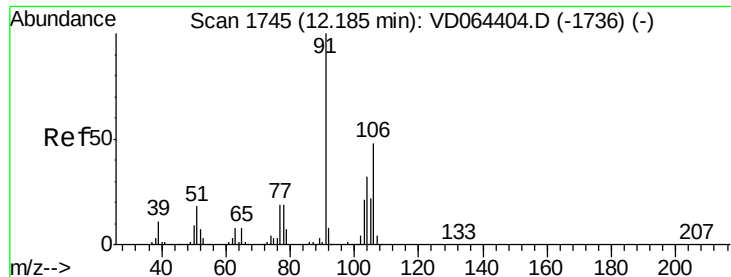
91 199.0 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

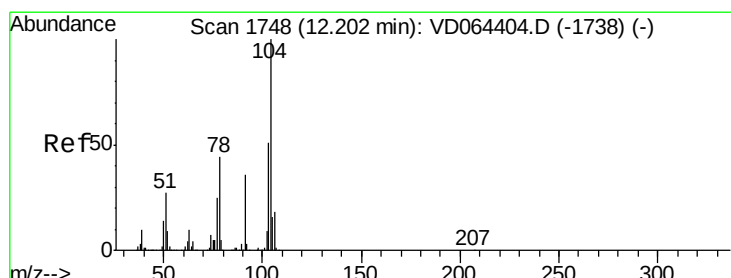
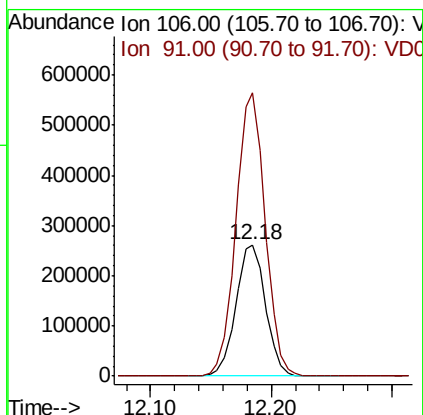
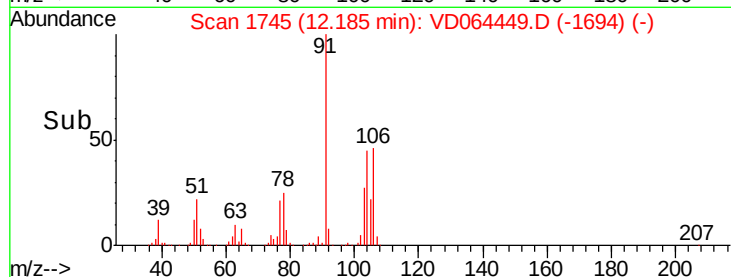
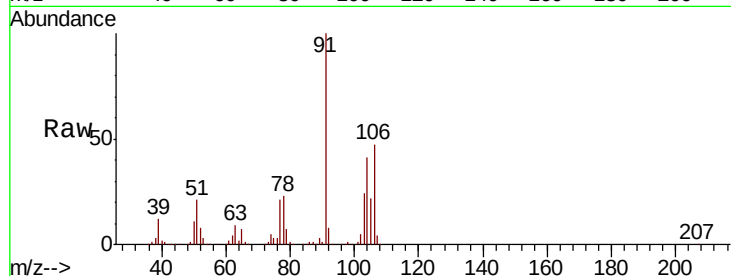




#69  
o-Xylene  
Concen: 50.375 ug/l  
RT: 12.18 min Scan# 1745  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

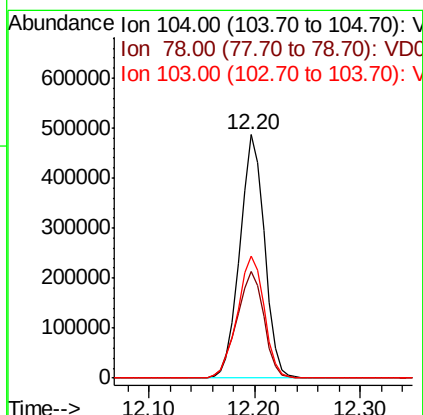
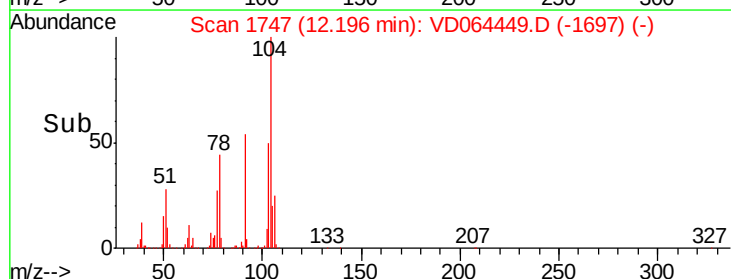
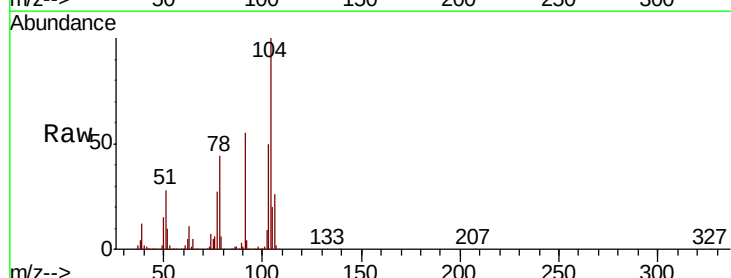
Instrument :  
MSVOA\_D  
ClientSampleId :

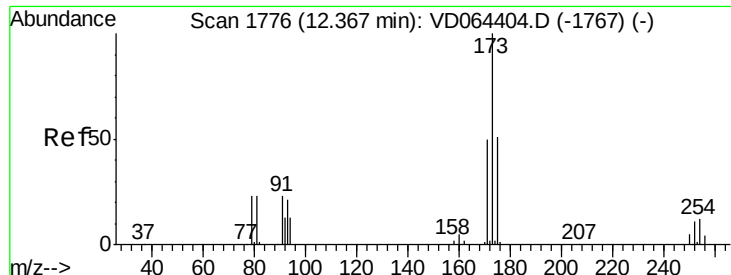
Tot Ion:106 Resp: 447522  
Ion Ratio Lower Upper  
106 100  
91 212.7 103.8 311.4



#70  
Styrene  
Concen: 50.867 ug/l  
RT: 12.20 min Scan# 1747  
Delta R.T. -0.01 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion:104 Resp: 785282  
Ion Ratio Lower Upper  
104 100  
78 48.3 38.8 58.2  
103 54.5 44.2 66.4





#71

Bromoform

Concen: 47.275 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampled :

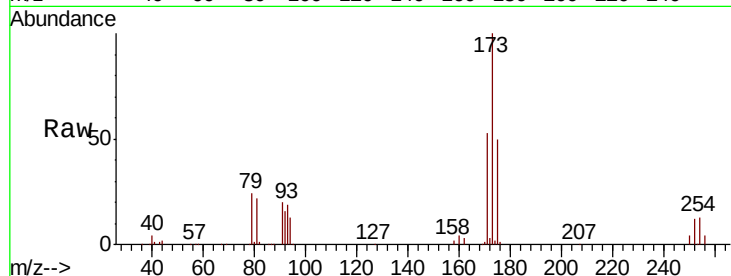
Tot Ion:173 Resp: 148462

Ion Ratio Lower Upper

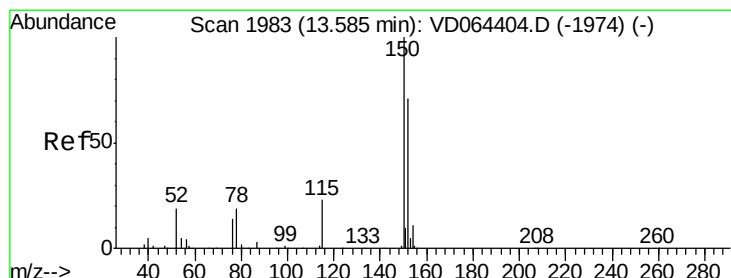
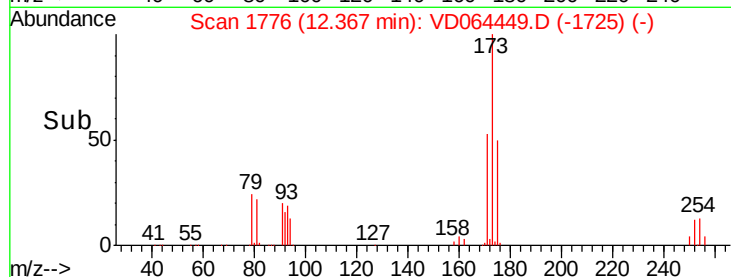
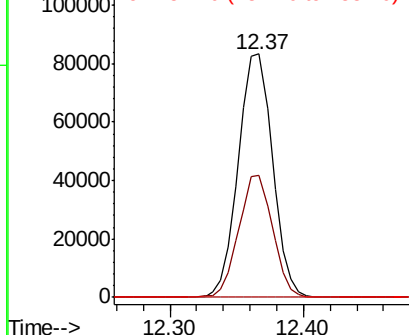
173 100

175 49.7 25.3 75.8

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

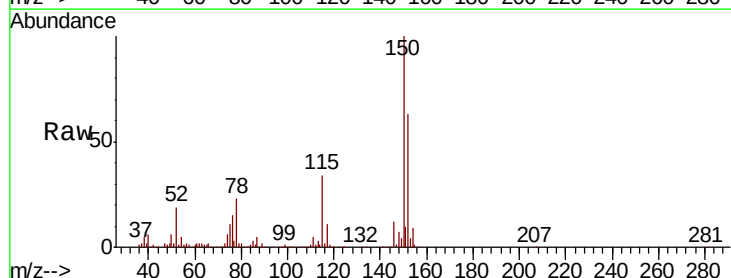
Tgt Ion:152 Resp: 332079

Ion Ratio Lower Upper

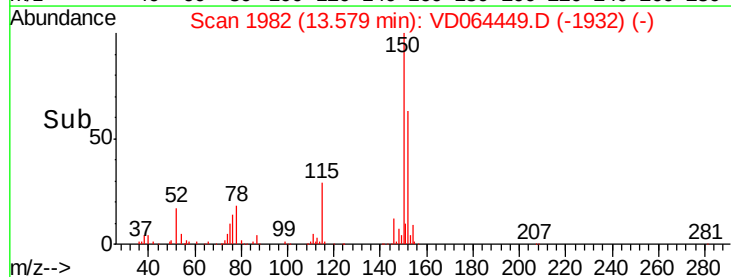
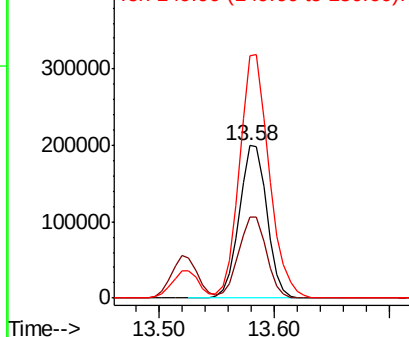
152 100

115 53.8 26.7 80.1

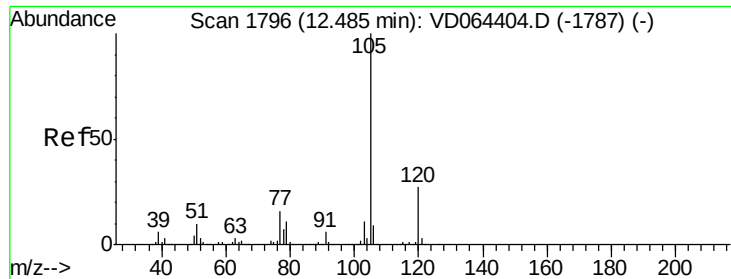
150 171.0 0.0 347.2



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: 52.273 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

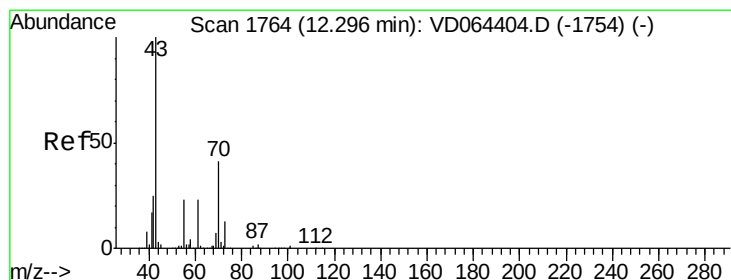
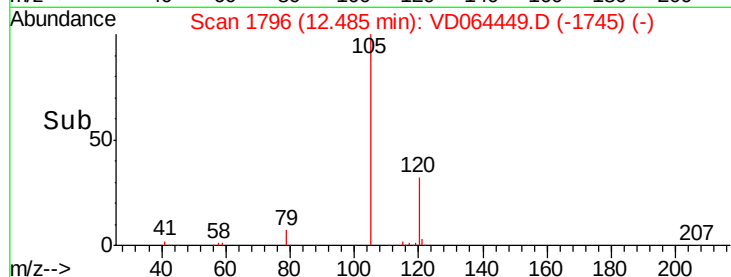
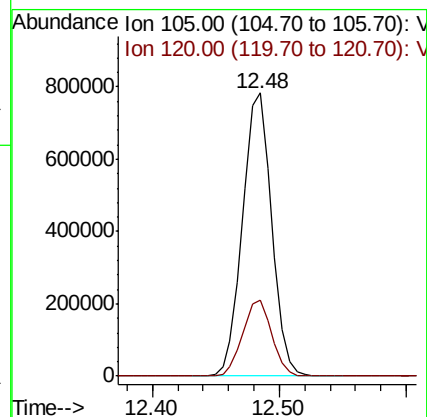
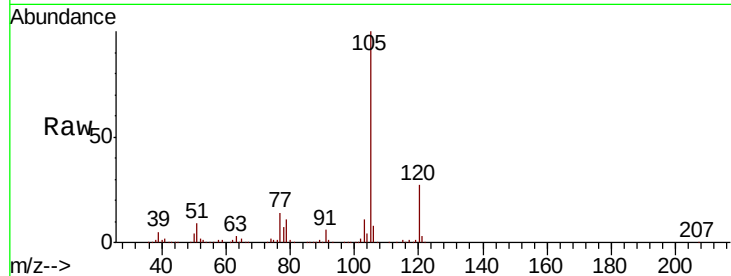
ClientSampleId :

Tot Ion:105 Resp: 1248468

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 48.351 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Tgt Ion: 43 Resp: 262093

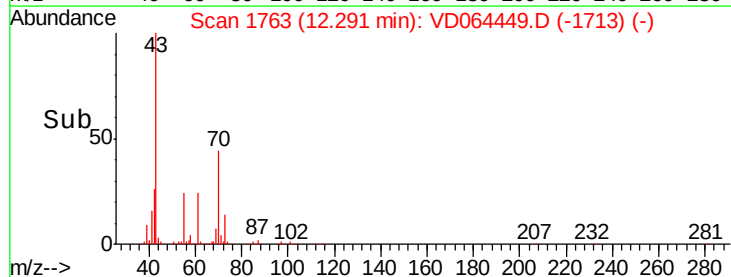
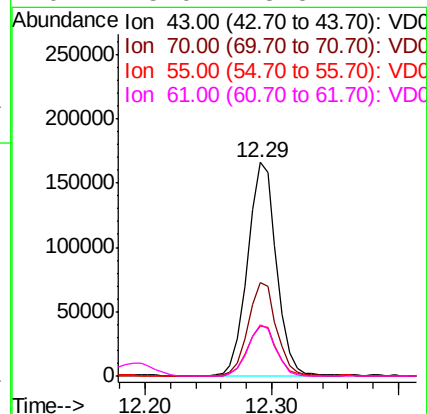
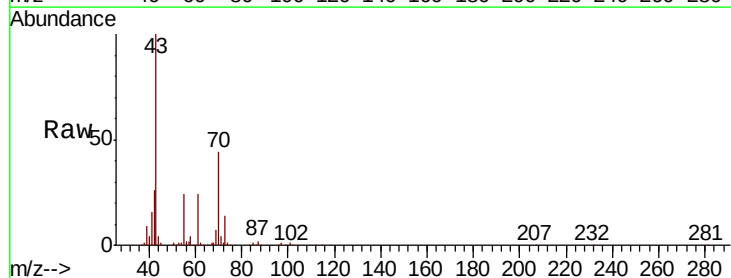
Ion Ratio Lower Upper

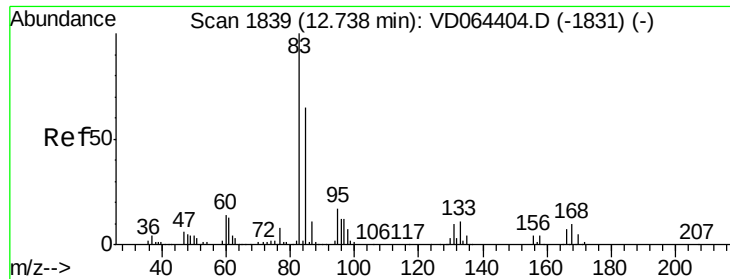
43 100

70 42.9 33.4 50.2

55 23.9 18.9 28.3

61 23.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 46.551 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampleId :

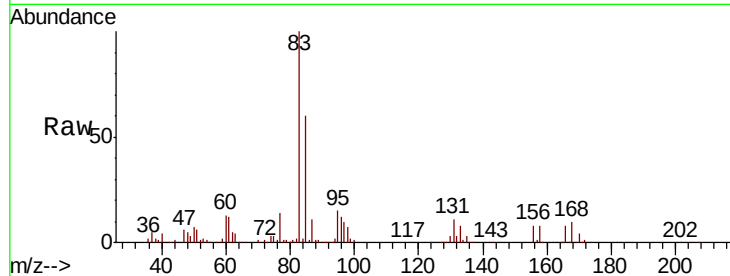
Tot Ion: 83 Resp: 183856

Ion Ratio Lower Upper

83 100

131 11.1 5.7 17.0

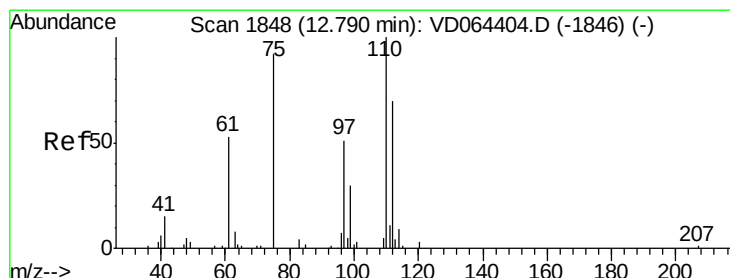
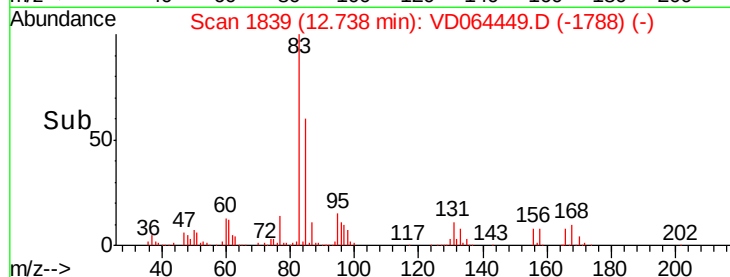
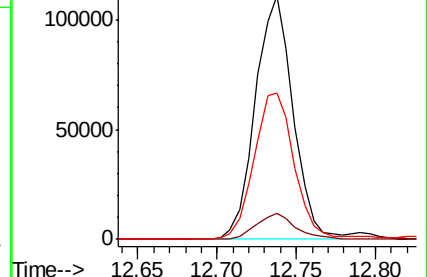
85 63.6 31.3 93.9



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: 90.810 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064449.D

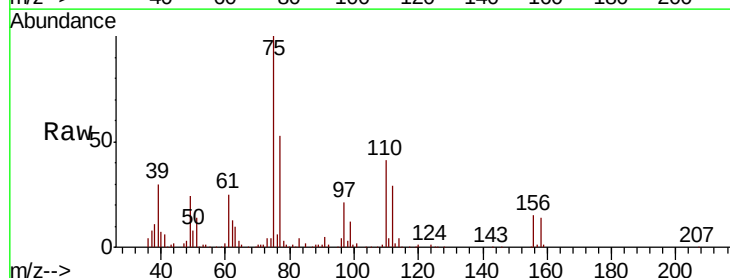
Acq: 06 Dec 2019 10:21

Tgt Ion: 75 Resp: 247995

Ion Ratio Lower Upper

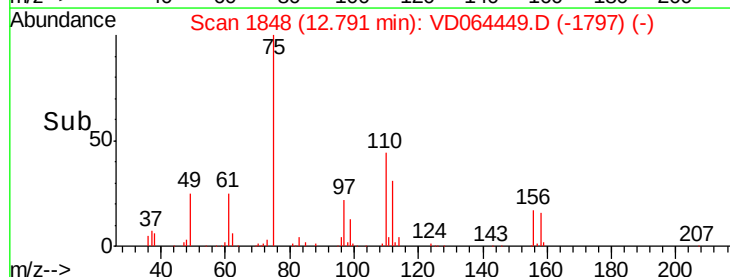
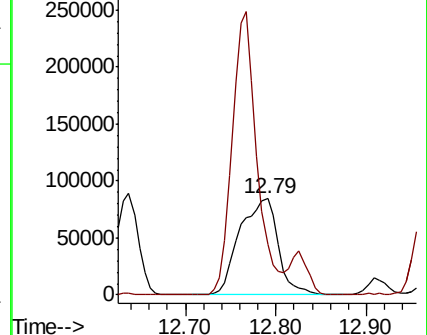
75 100

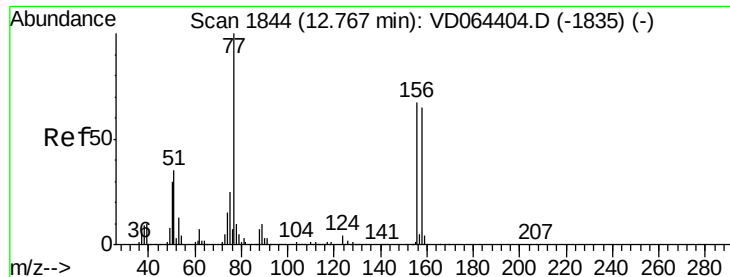
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.280 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampleId :

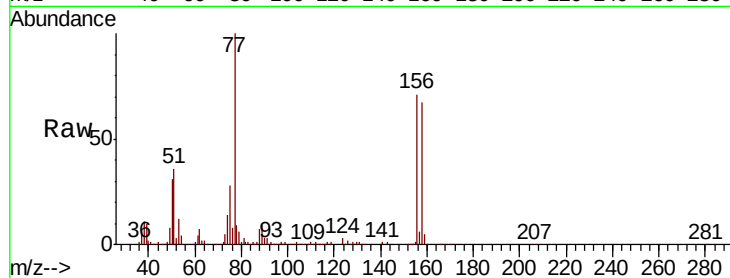
Tot Ion:156 Resp: 302444

Ion Ratio Lower Upper

156 100

77 156.8 80.0 240.2

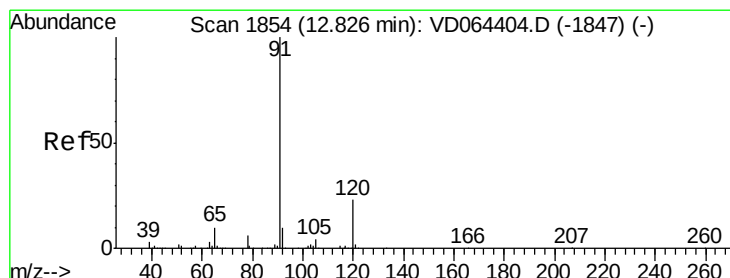
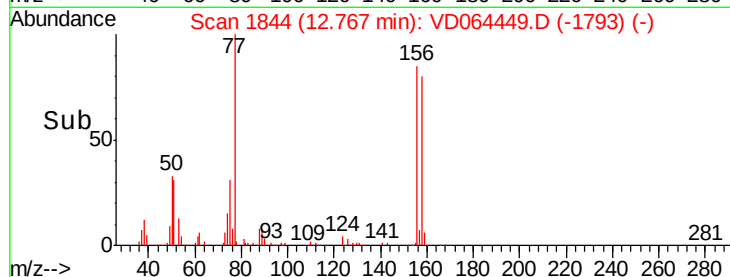
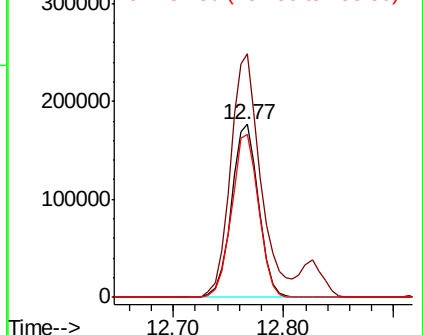
158 94.2 48.9 146.6



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: 52.272 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064449.D

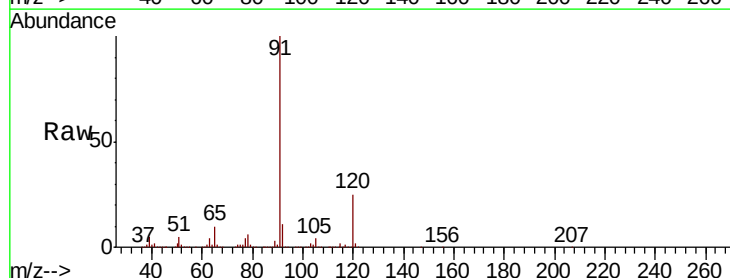
Acq: 06 Dec 2019 10:21

Tgt Ion: 91 Resp: 1440462

Ion Ratio Lower Upper

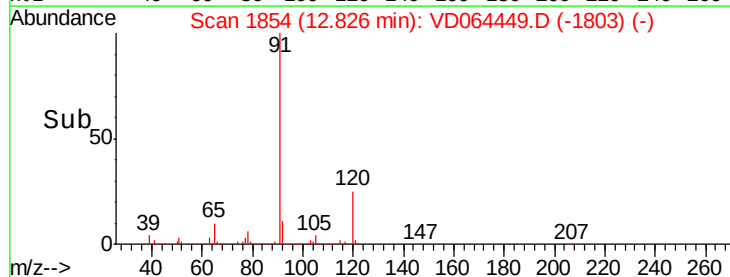
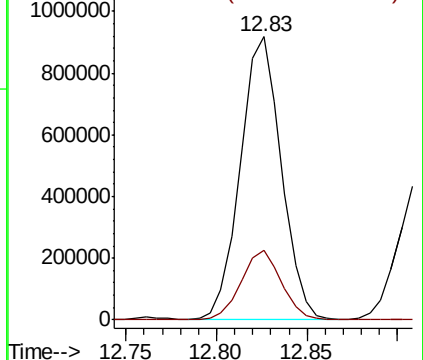
91 100

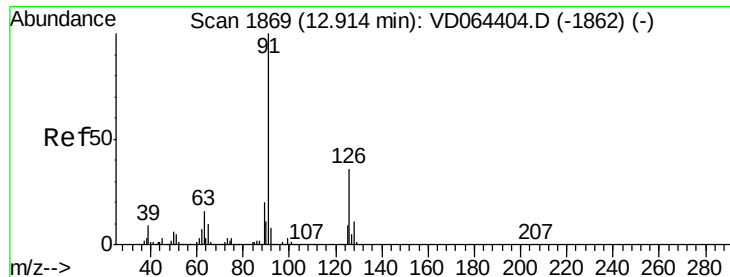
120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.473 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

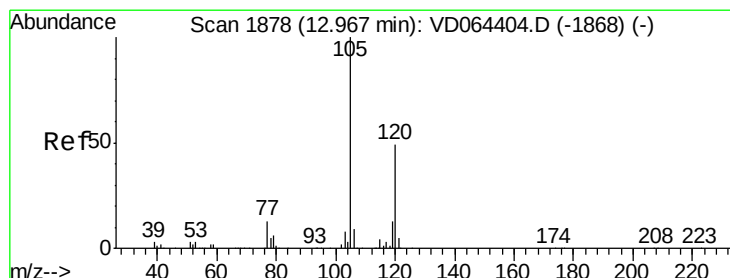
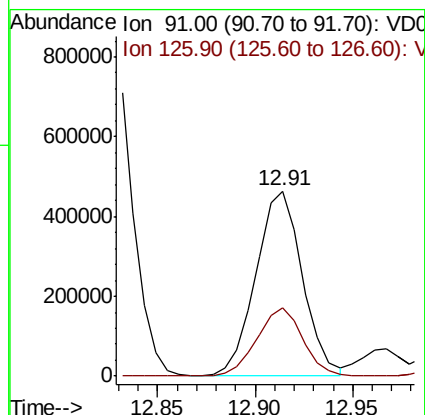
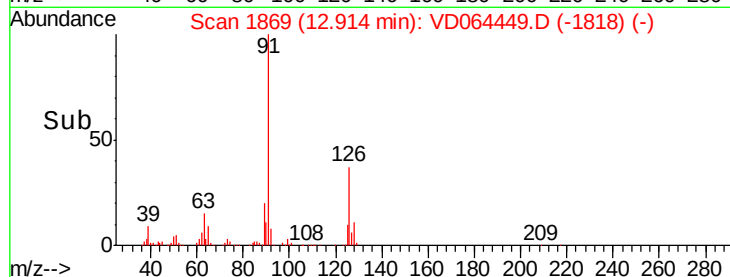
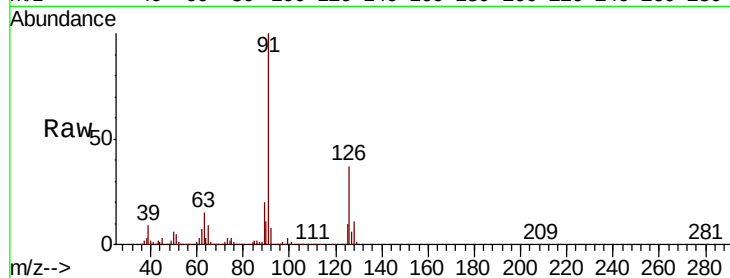
ClientSampled :

Tot Ion: 91 Resp: 765330

Ion Ratio Lower Upper

91 100

126 36.5 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 51.712 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064449.D

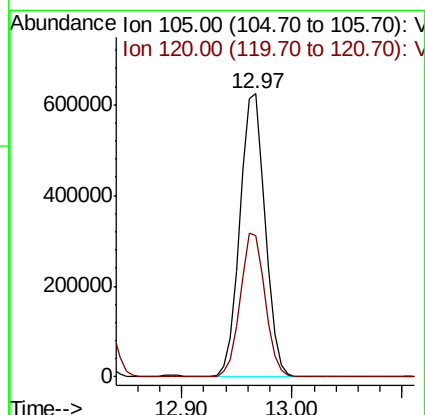
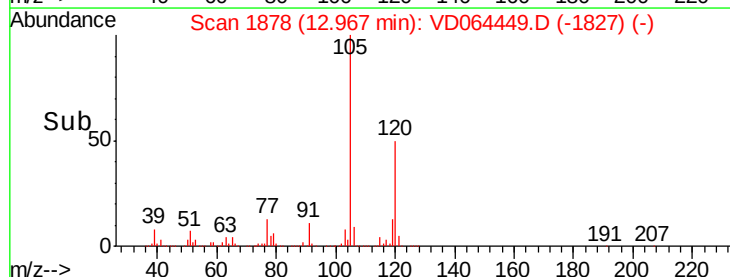
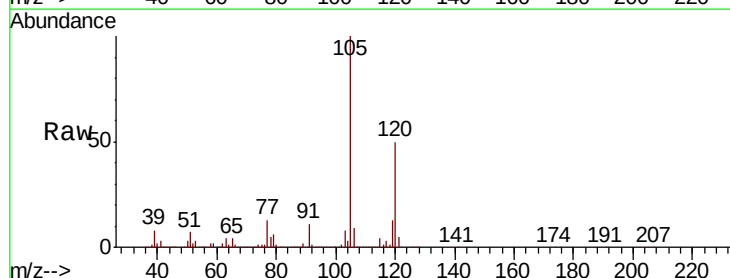
Acq: 06 Dec 2019 10:21

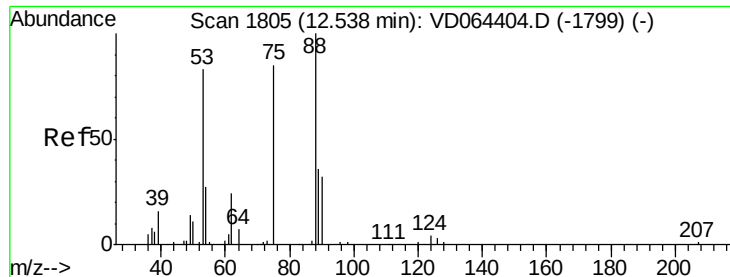
Tgt Ion:105 Resp: 1009277

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 49.353 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampled :

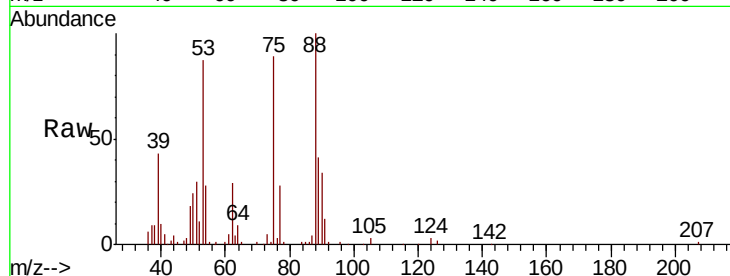
Tot Ion: 75 Resp: 61810

Ion Ratio Lower Upper

75 100

53 99.9 81.0 121.6

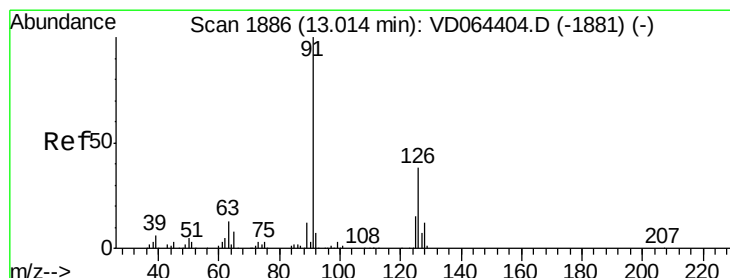
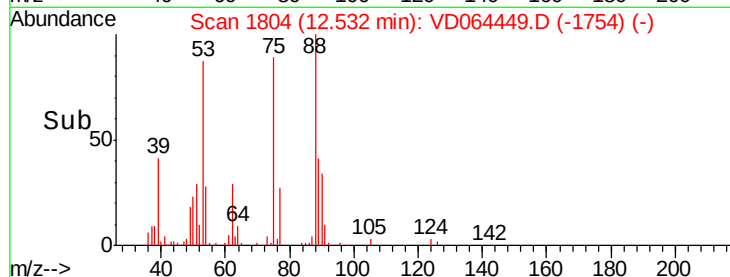
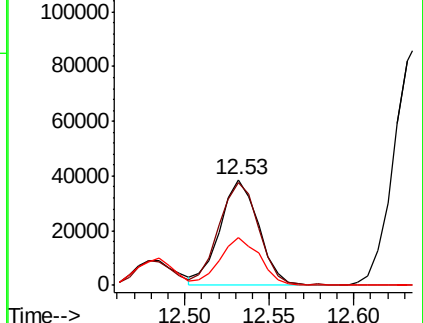
89 47.1 38.5 57.7



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: 50.630 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064449.D

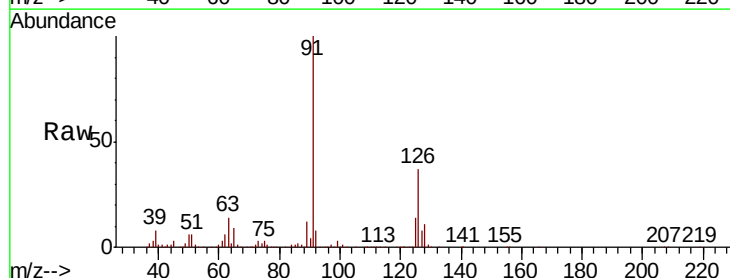
Acq: 06 Dec 2019 10:21

Tgt Ion: 91 Resp: 812842

Ion Ratio Lower Upper

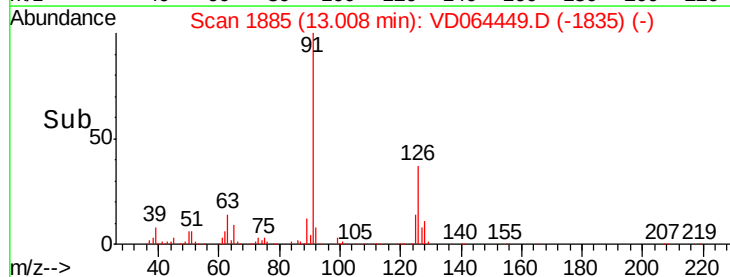
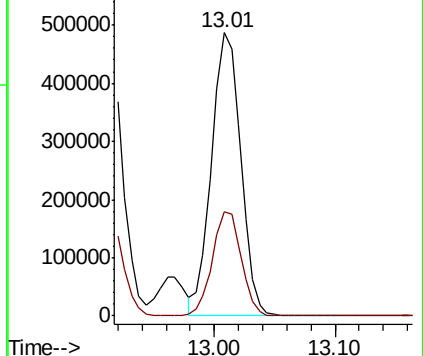
91 100

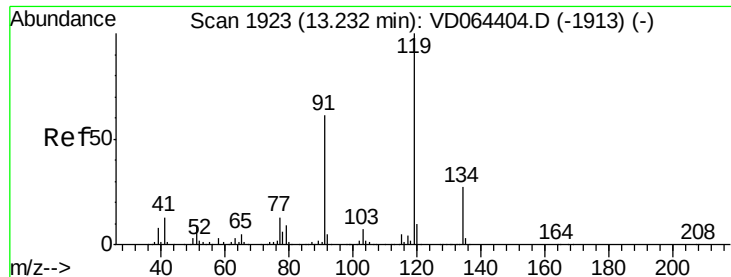
126 36.4 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

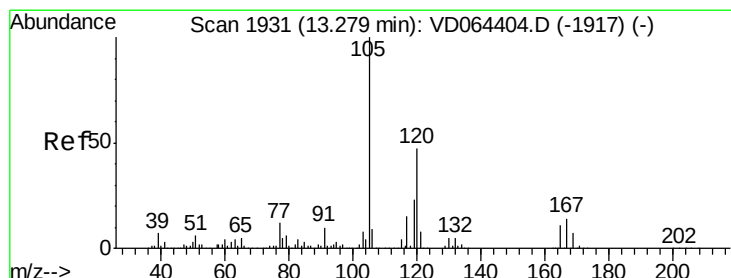
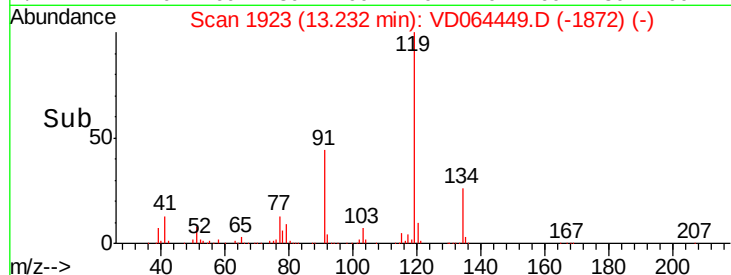
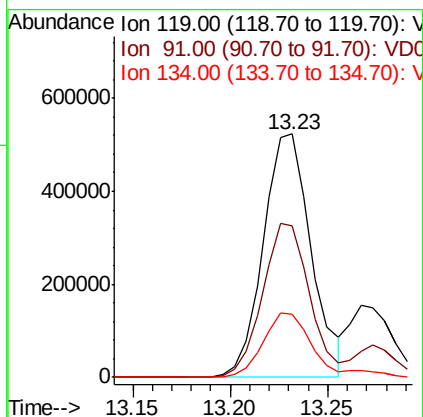
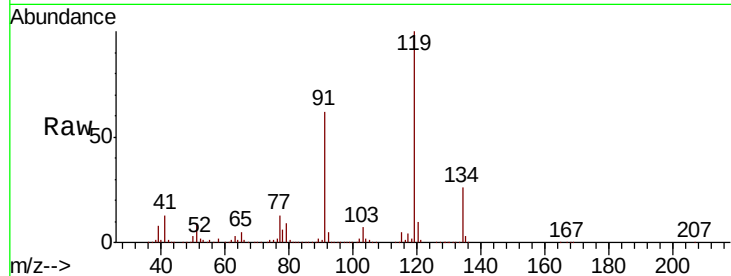




#83  
 tert-Butylbenzene  
 Concen: 52.601 ug/l  
 RT: 13.23 min Scan# 1923  
 Delta R.T. 0.00 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

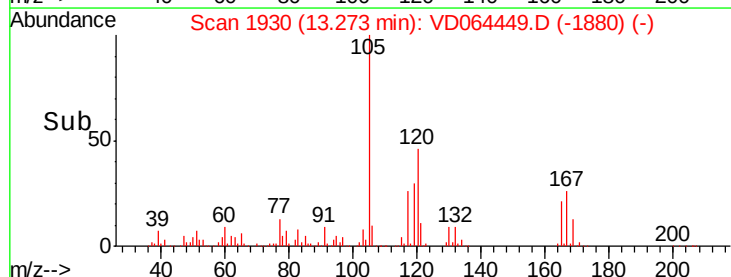
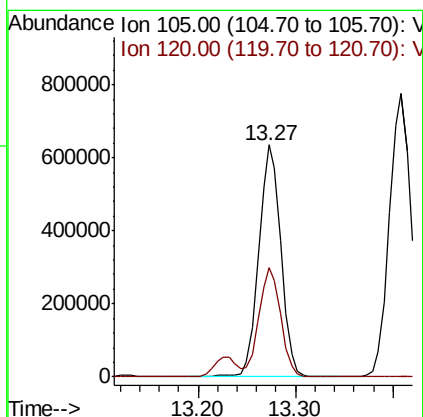
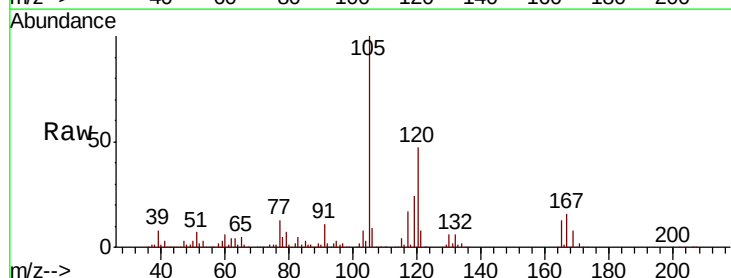
Instrument :  
 MSVOA\_D  
 ClientSampleId :

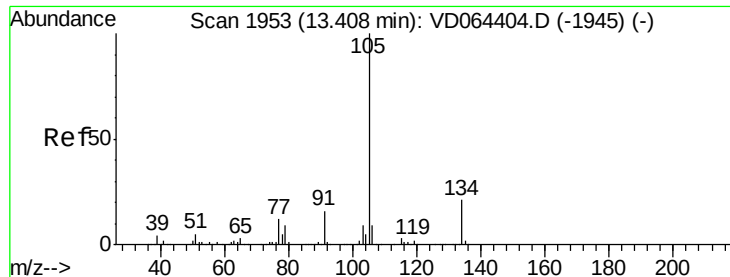
Tot Ion:119 Resp: 892540  
 Ion Ratio Lower Upper  
 119 100  
 91 61.7 31.2 93.6  
 134 27.9 13.9 41.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.582 ug/l  
 RT: 13.27 min Scan# 1930  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Tgt Ion:105 Resp: 1012324  
 Ion Ratio Lower Upper  
 105 100  
 120 46.7 23.6 70.8





#85

sec-Butylbenzene

Concen: 51.827 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

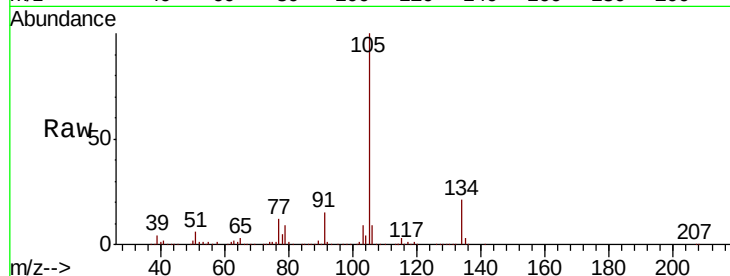
ClientSampleId :

Tot Ion:105 Resp: 1206952

Ion Ratio Lower Upper

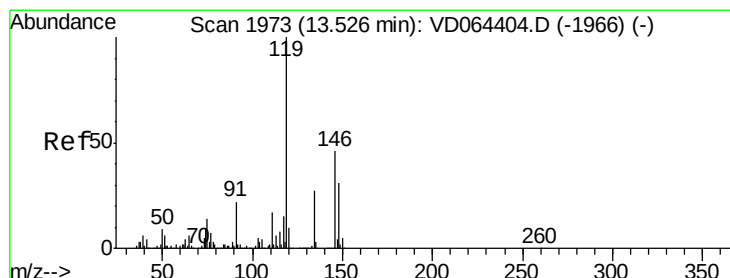
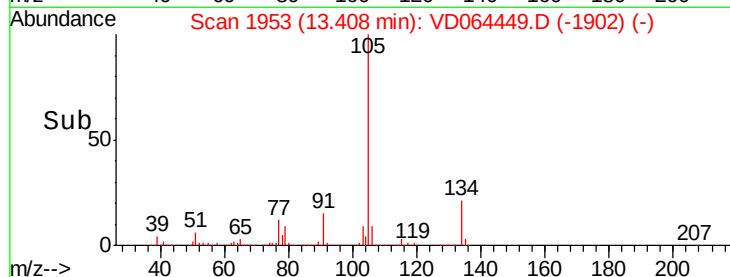
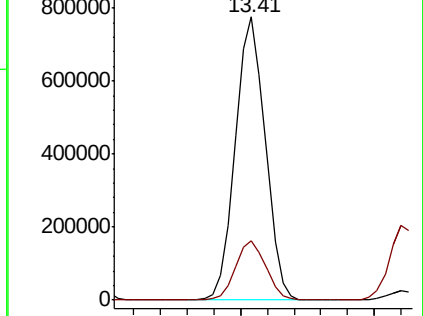
105 100

134 21.2 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.109 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

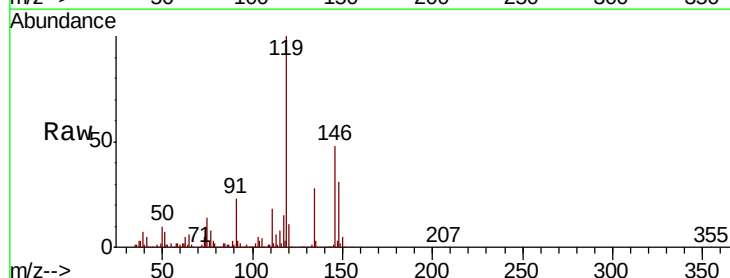
Tgt Ion:119 Resp: 1145677

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

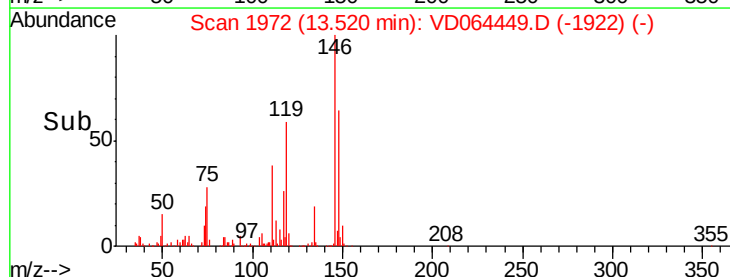
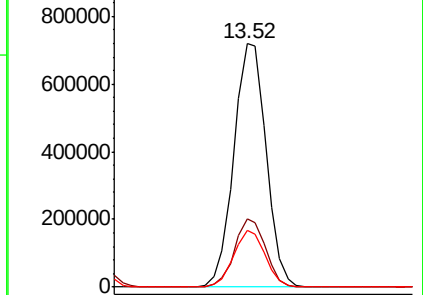
91 22.7 11.2 33.5

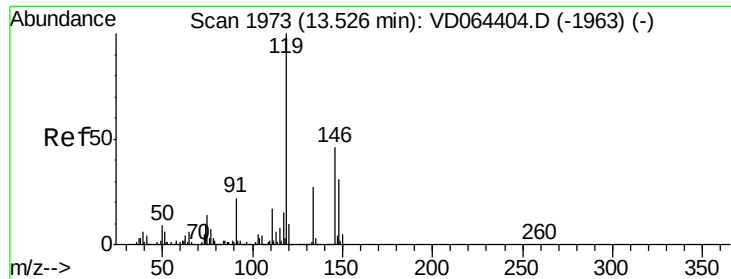


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.513 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064449.D

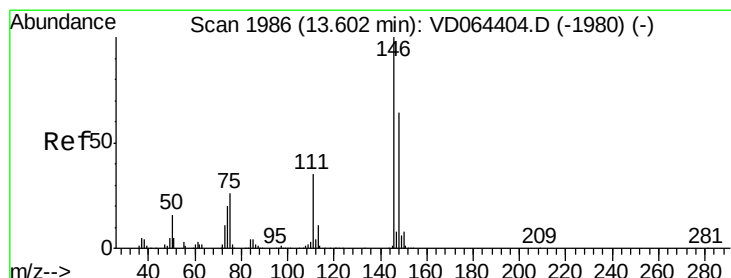
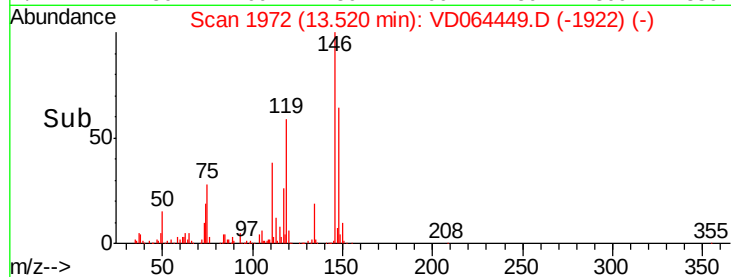
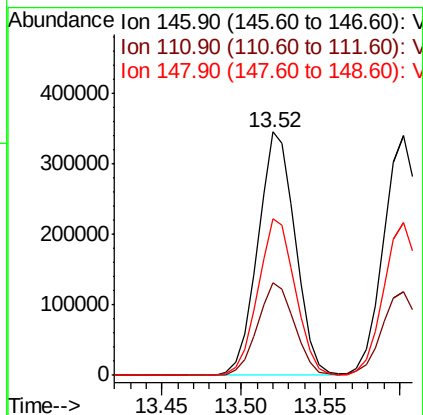
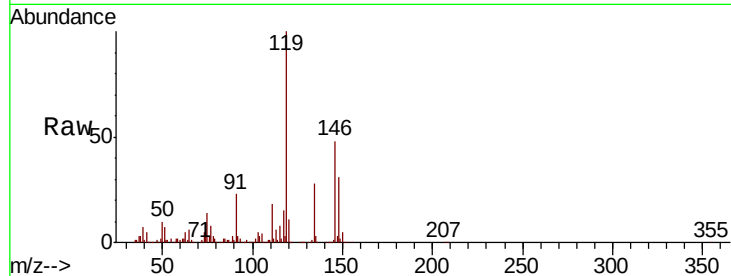
Acq: 06 Dec 2019 10:21

Instrument :

MSVOA\_D

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:146 | Resp: | 565457    |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 37.6  | 18.8 56.4 |
| 148         | 64.2  | 32.6 97.8 |



#88

1,4-Dichlorobenzene

Concen: 50.081 ug/l

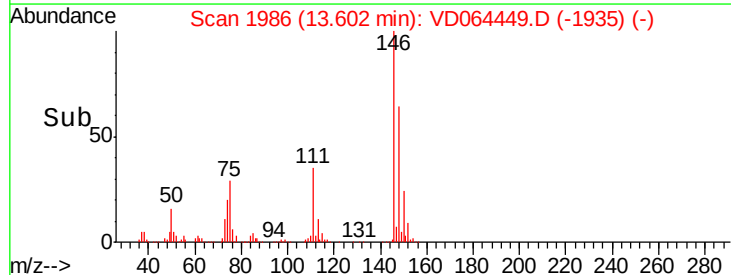
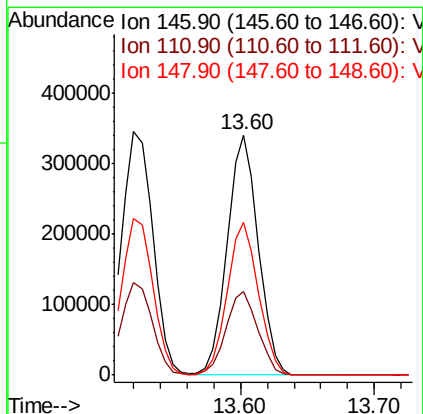
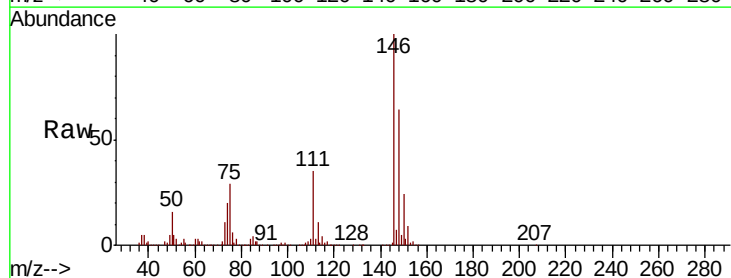
RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

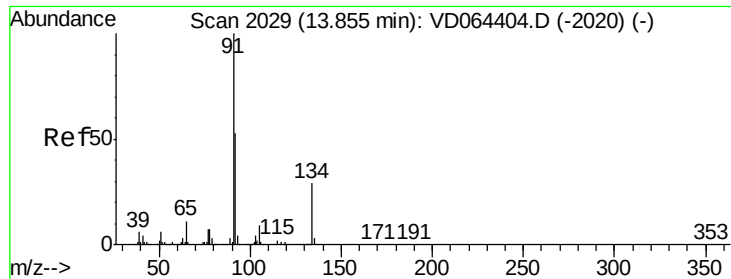
Lab File: VD064449.D

Acq: 06 Dec 2019 10:21

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 553493    |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 36.0  | 18.2 54.6 |
| 148         | 64.0  | 31.8 95.4 |



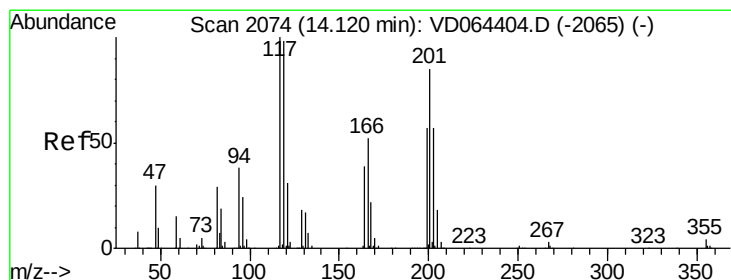
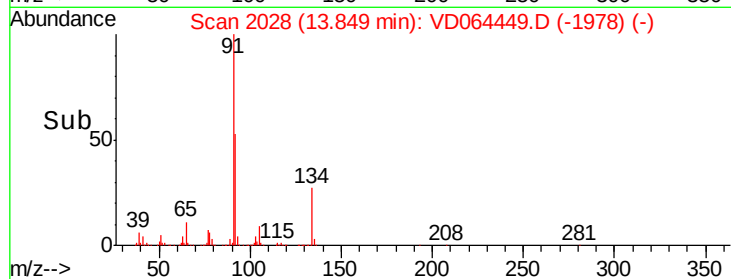
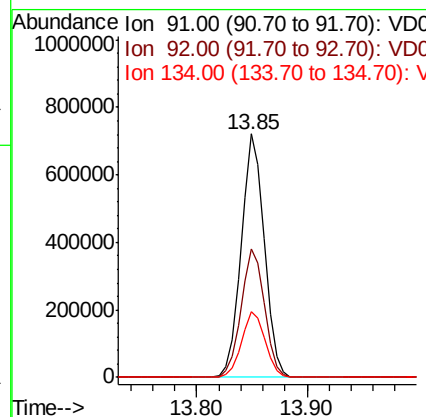
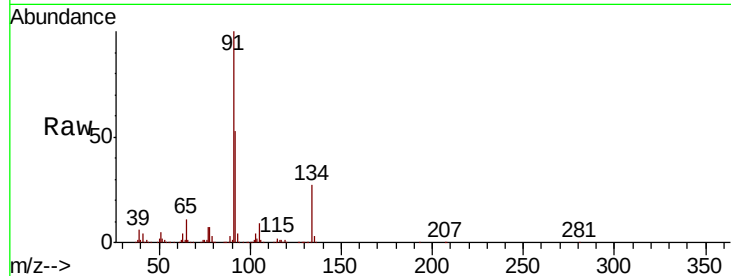




#89  
n-Butylbenzene  
Concen: 53.144 ug/l  
RT: 13.85 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

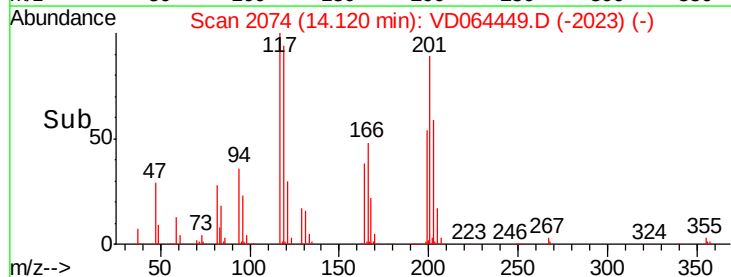
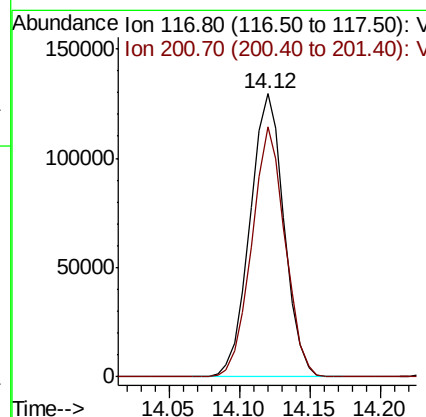
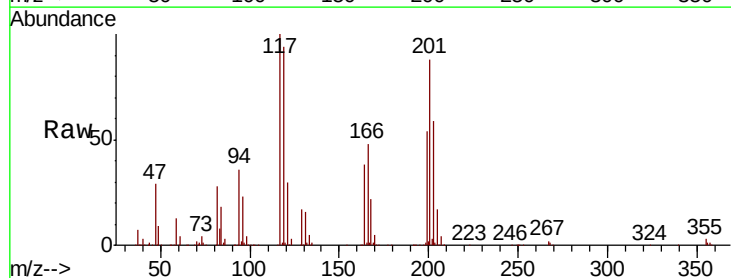
Instrument :  
MSVOA\_D  
ClientSampleId :

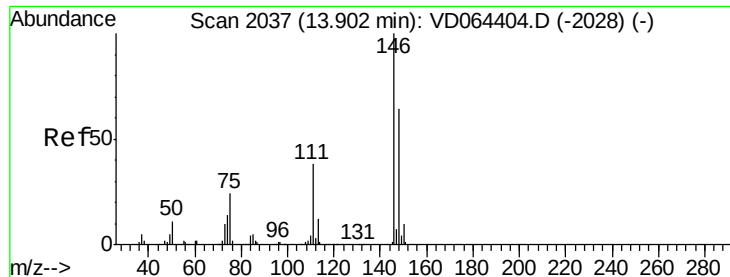
Tot Ion: 91 Resp: 1061076  
Ion Ratio Lower Upper  
91 100  
92 53.4 26.5 79.4  
134 27.6 13.9 41.7



#90  
Hexachloroethane  
Concen: 53.287 ug/l  
RT: 14.12 min Scan# 2074  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion: 117 Resp: 219128  
Ion Ratio Lower Upper  
117 100  
201 86.6 44.3 132.8

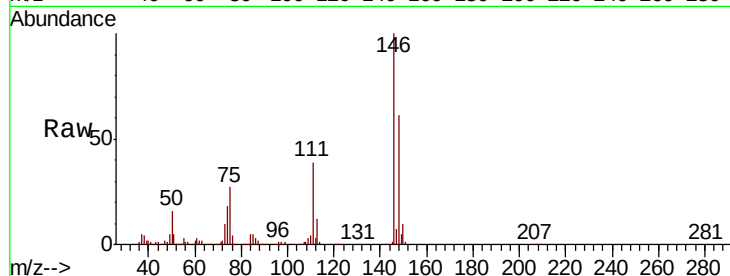




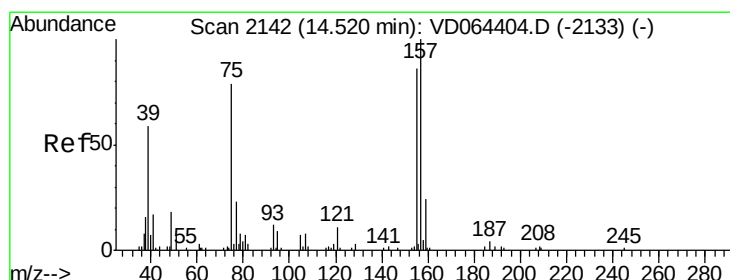
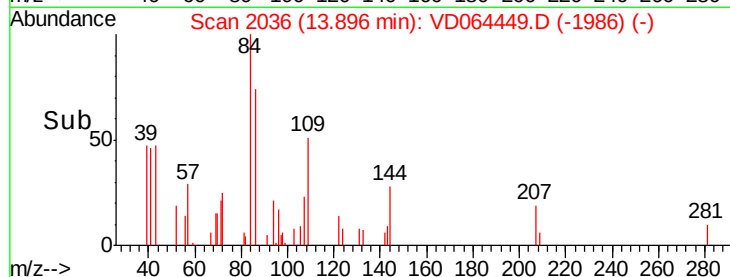
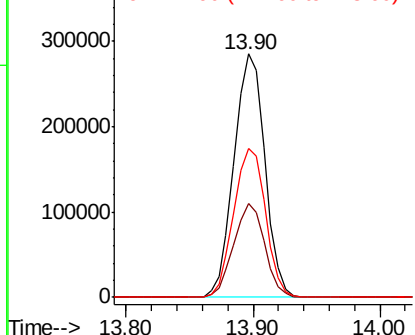
#91  
 1,2-Dichlorobenzene  
 Concen: 50.171 ug/l  
 RT: 13.90 min Scan# 2036  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Instrument :  
 MSVOA\_D  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 19.1  | 57.3  |
| 148     | 63.2  | 32.0  | 96.0  |

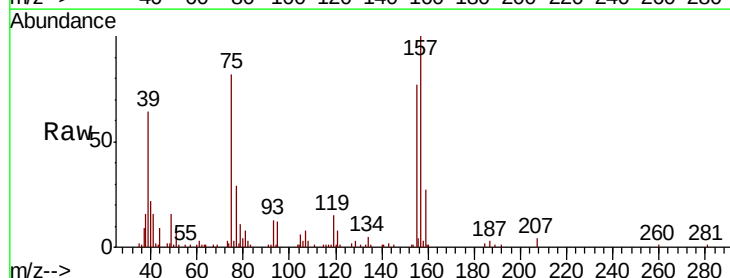


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

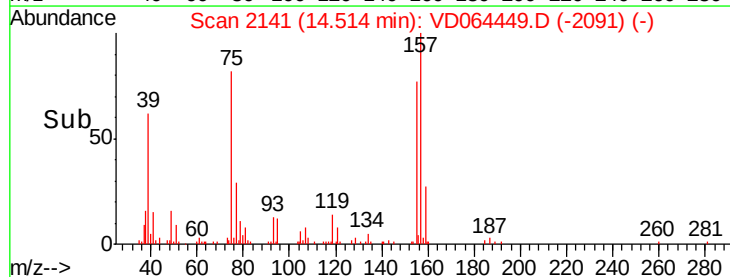
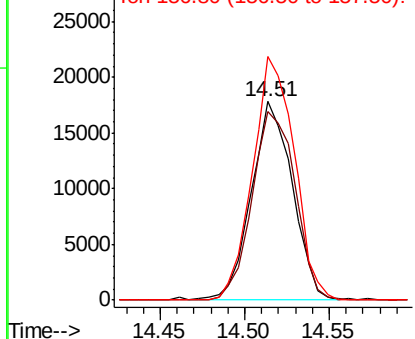


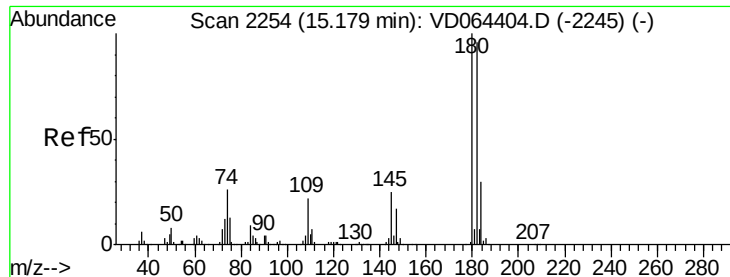
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.995 ug/l  
 RT: 14.51 min Scan# 2141  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 99.7  | 51.9  | 155.7 |
| 157     | 124.5 | 63.2  | 189.8 |



Abundance Ion 74.90 (74.60 to 75.60): V  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V

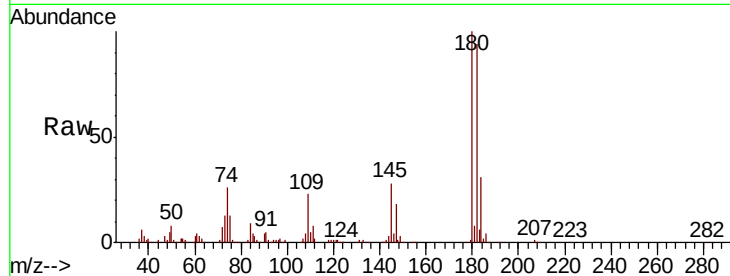




#93  
 1,2,4-Trichlorobenzene  
 Concen: 49.893 ug/l  
 RT: 15.17 min Scan# 2253  
 Delta R.T. -0.01 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

Instrument :  
 MSVOA\_D  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.1  | 47.4  | 142.3 |
| 145     | 28.4  | 14.0  | 41.9  |

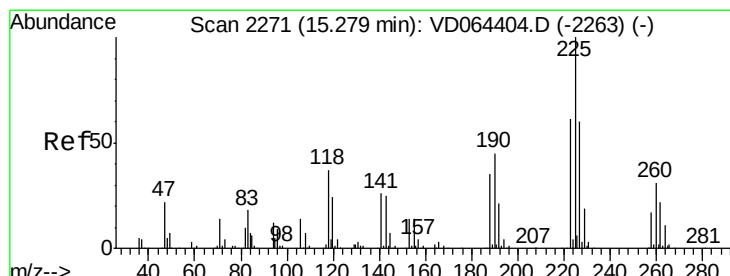
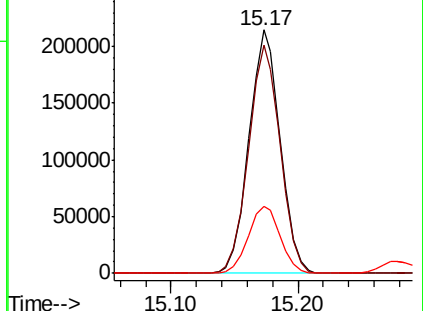
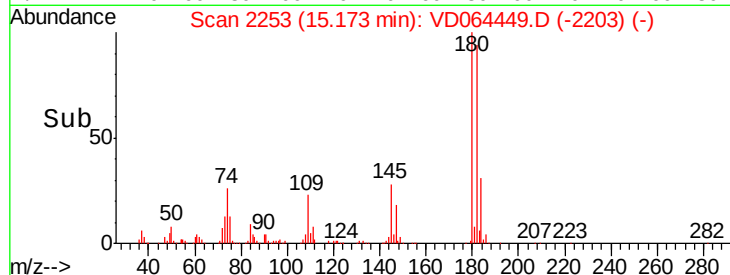


Abundance

Ion 179.80 (179.50 to 180.50): V

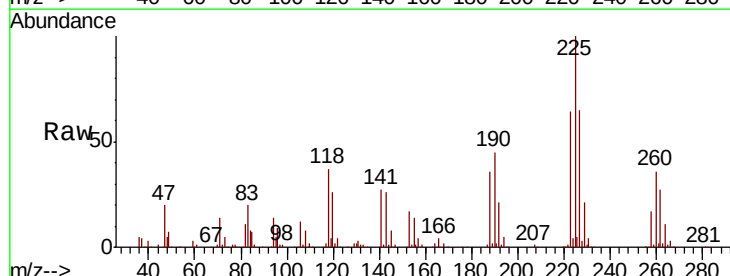
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 51.591 ug/l  
 RT: 15.28 min Scan# 2271  
 Delta R.T. 0.00 min  
 Lab File: VD064449.D  
 Acq: 06 Dec 2019 10:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.1  | 31.1  | 93.3  |
| 227     | 65.0  | 31.8  | 95.4  |

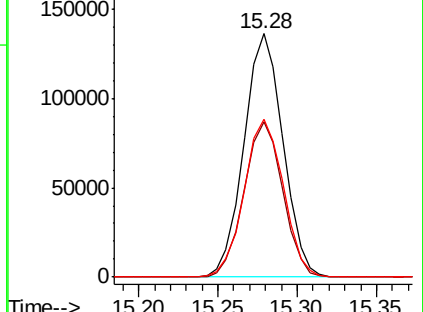
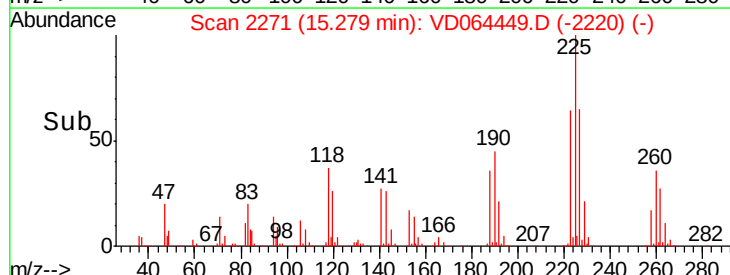


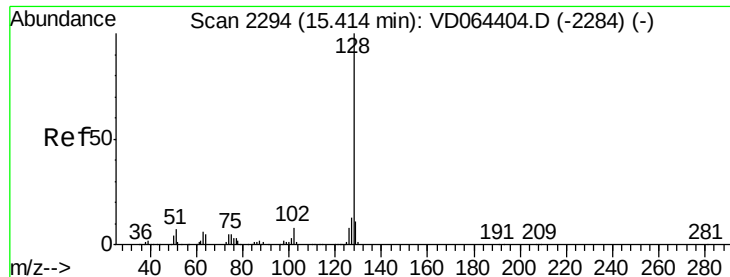
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

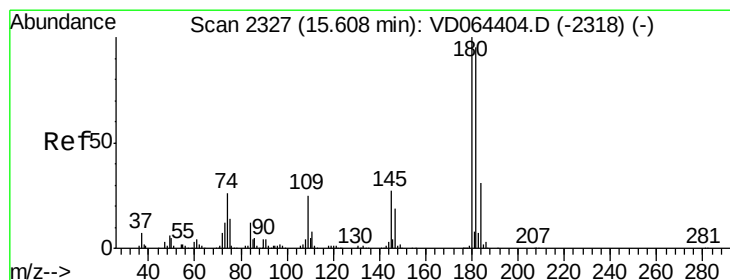
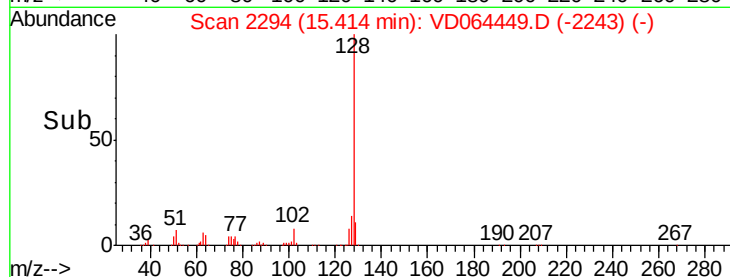
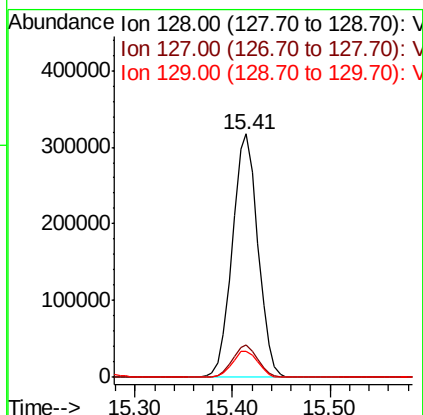
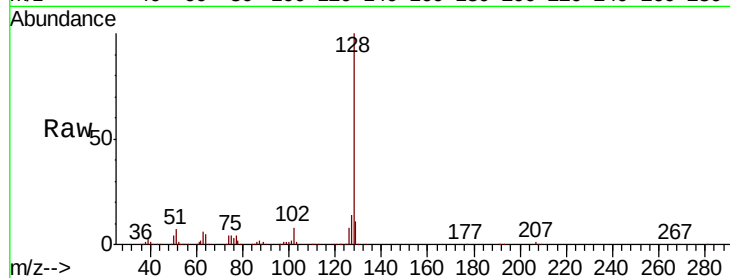




#95  
Naphthalene  
Concen: 47.066 ug/l  
RT: 15.41 min Scan# 2294  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:128 Resp: 575490  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.5 15.7  
129 11.0 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 49.458 ug/l  
RT: 15.61 min Scan# 2327  
Delta R.T. 0.00 min  
Lab File: VD064449.D  
Acq: 06 Dec 2019 10:21

Tgt Ion:180 Resp: 309317  
Ion Ratio Lower Upper  
180 100  
182 95.3 47.6 142.9  
145 30.0 14.6 43.8

