

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD122618\  
 Data File : VD060711.D  
 Acq On : 26 Dec 2018 11:43  
 Operator : VA/AP  
 Sample : VD1226SBS01  
 Misc : 5.00g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

Quant Time: Dec 27 01:48:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 21 17:37:47 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.38  | 168  | 1482377  | 50.00 | ug/l  | -0.02    |
| 34) 1,4-Difluorobenzene    | 7.42  | 114  | 2051037  | 50.00 | ug/l  | -0.02    |
| 63) Chlorobenzene-d5       | 11.27 | 117  | 1627861  | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 13.36 | 152  | 845870   | 50.00 | ug/l  | -0.01    |

|                             |        |     |          |       |         |       |
|-----------------------------|--------|-----|----------|-------|---------|-------|
| System Monitoring Compounds |        |     |          |       |         |       |
| 33) 1,2-Dichloroethane-d4   | 6.77   | 65  | 590997   | 57.69 | ug/l    | -0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.38% |       |
| 35) Dibromofluoromethane    | 6.31   | 113 | 852000   | 56.75 | ug/l    | -0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.50% |       |
| 50) Toluene-d8              | 9.44   | 98  | 2441729  | 54.51 | ug/l    | -0.02 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.02% |       |
| 62) 4-Bromofluorobenzene    | 12.41  | 95  | 873522   | 55.68 | ug/l    | -0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.36% |       |

| Target Compounds              |      |     |         |         | Qvalue    |
|-------------------------------|------|-----|---------|---------|-----------|
| 2) Dichlorodifluoromethane    | 1.60 | 85  | 355723  | 18.781  | ug/l 97   |
| 3) Chloromethane              | 1.77 | 50  | 332484  | 19.073  | ug/l 96   |
| 4) Vinyl Chloride             | 1.87 | 62  | 260990  | 18.858  | ug/l 99   |
| 5) Bromomethane               | 2.15 | 94  | 37313   | 12.036  | ug/l 97   |
| 6) Chloroethane               | 2.26 | 64  | 65400   | 15.834  | ug/l 94   |
| 7) Trichlorofluoromethane     | 2.51 | 101 | 287250  | 18.660  | ug/l 95   |
| 8) Diethyl Ether              | 2.83 | 74  | 51630   | 20.047  | ug/l 98   |
| 9) 1,1,2-Trichlorotrifluoroet | 3.09 | 101 | 196623  | 19.691  | ug/l 94   |
| 10) Methyl Iodide             | 3.25 | 142 | 194304  | 18.516  | ug/l 97   |
| 11) Tert butyl alcohol        | 3.95 | 59  | 41056   | 95.896  | ug/l # 94 |
| 12) 1,1-Dichloroethene        | 3.07 | 96  | 161476  | 19.681  | ug/l 98   |
| 13) Acrolein                  | 2.99 | 56  | 41844   | 95.910  | ug/l 95   |
| 14) Allyl chloride            | 3.53 | 41  | 300075  | 19.932  | ug/l 98   |
| 15) Acrylonitrile             | 4.08 | 53  | 266225  | 107.108 | ug/l 98   |
| 16) Acetone                   | 3.16 | 43  | 174923  | 97.776  | ug/l 99   |
| 17) Carbon Disulfide          | 3.31 | 76  | 463315  | 17.682  | ug/l 99   |
| 18) Methyl Acetate            | 3.55 | 43  | 85688   | 19.326  | ug/l 99   |
| 19) Methyl tert-butyl Ether   | 4.11 | 73  | 441596  | 21.215  | ug/l 99   |
| 20) Methylene Chloride        | 3.72 | 84  | 459849  | 24.751  | ug/l 96   |
| 21) trans-1,2-Dichloroethene  | 4.09 | 96  | 331362  | 19.721  | ug/l 99   |
| 22) Diisopropyl ether         | 4.84 | 45  | 1085275 | 21.232  | ug/l 97   |
| 23) Vinyl Acetate             | 4.79 | 43  | 2659671 | 107.549 | ug/l 99   |
| 24) 1,1-Dichloroethane        | 4.74 | 63  | 568125  | 21.131  | ug/l 99   |
| 25) 2-Butanone                | 5.61 | 43  | 356858  | 104.240 | ug/l 99   |
| 26) 2,2-Dichloropropane       | 5.57 | 77  | 441474  | 20.802  | ug/l 98   |
| 27) cis-1,2-Dichloroethene    | 5.58 | 96  | 353421  | 20.720  | ug/l 97   |
| 28) Bromochloromethane        | 5.90 | 49  | 222053  | 19.550  | ug/l 100  |
| 29) Tetrahydrofuran           | 5.94 | 42  | 196538  | 101.270 | ug/l 99   |
| 30) Chloroform                | 6.08 | 83  | 562082  | 20.776  | ug/l 98   |
| 31) Cyclohexane               | 6.34 | 56  | 519161  | 20.065  | ug/l 98   |
| 32) 1,1,1-Trichloroethane     | 6.28 | 97  | 463511  | 20.709  | ug/l 99   |
| 36) 1,1-Dichloropropene       | 6.50 | 75  | 429747  | 20.348  | ug/l 95   |
| 37) Ethyl Acetate             | 5.68 | 43  | 186213  | 21.082  | ug/l # 94 |
| 38) Carbon Tetrachloride      | 6.47 | 117 | 381251  | 20.462  | ug/l 98   |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD122618\  
 Data File : VD060711.D  
 Acq On : 26 Dec 2018 11:43  
 Operator : VA/AP  
 Sample : VD1226SBS01  
 Misc : 5.00g/5ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

Quant Time: Dec 27 01:48:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 21 17:37:47 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.02  | 83   | 482241   | 20.020  | ug/l   | 99       |
| 40) Benzene                    | 6.77  | 78   | 1089504  | 19.971  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.92  | 41   | 209498   | 42.879  | ug/l # | 80       |
| 42) 1,2-Dichloroethane         | 6.87  | 62   | 277803   | 20.520  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.32  | 43   | 221567   | 19.547  | ug/l # | 99       |
| 44) Trichloroethene            | 7.72  | 130  | 323006   | 20.004  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 8.08  | 63   | 275165   | 20.567  | ug/l   | 100      |
| 46) Dibromomethane             | 8.20  | 93   | 156466   | 20.491  | ug/l   | 96       |
| 47) Bromodichloromethane       | 8.47  | 83   | 370002   | 20.459  | ug/l   | 98       |
| 48) Methyl methacrylate        | 8.22  | 41   | 136984   | 19.897  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 8.21  | 88   | 23858    | 372.711 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone       | 9.32  | 43   | 710622   | 102.325 | ug/l   | 98       |
| 52) Toluene                    | 9.52  | 92   | 696887   | 20.377  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.90  | 75   | 314561   | 20.848  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.08  | 75   | 409083   | 20.714  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.16 | 97   | 192475   | 20.917  | ug/l   | 93       |
| 56) Ethyl methacrylate         | 10.01 | 69   | 172127   | 20.139  | ug/l   | 95       |
| 57) 1,3-Dichloropropane        | 10.36 | 76   | 295486   | 20.259  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.90  | 63   | 538933   | 107.016 | ug/l   | 97       |
| 59) 2-Hexanone                 | 10.47 | 43   | 504638   | 103.812 | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.62 | 129  | 245572   | 20.952  | ug/l   | 96       |
| 61) 1,2-Dibromoethane          | 10.73 | 107  | 196068   | 20.543  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.23 | 164  | 314907   | 21.343  | ug/l   | 95       |
| 65) Chlorobenzene              | 11.29 | 112  | 757189   | 21.053  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.40 | 131  | 249992   | 21.618  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.41 | 91   | 1329386  | 21.583  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.55 | 106  | 969337   | 43.063  | ug/l   | 98       |
| 69) o-Xylene                   | 11.91 | 106  | 456134   | 21.359  | ug/l   | 90       |
| 70) Styrene                    | 11.93 | 104  | 734095   | 21.343  | ug/l   | 96       |
| 71) Bromoform                  | 12.10 | 173  | 161644   | 21.176  | ug/l   | 97       |
| 73) Isopropylbenzene           | 12.26 | 105  | 1314074  | 21.819  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.12 | 43   | 306190   | 21.542  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.54 | 83   | 203369   | 20.833  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 12.58 | 75   | 201869   | 20.962  | ug/l   | 97       |
| 77) Bromobenzene               | 12.53 | 156  | 344100   | 21.641  | ug/l   | 95       |
| 78) n-propylbenzene            | 12.62 | 91   | 1626541  | 21.126  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.69 | 91   | 885766   | 21.479  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.78 | 105  | 1037092  | 22.301  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 12.33 | 75   | 52705    | 19.806  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.79 | 91   | 1021541  | 21.855  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 13.03 | 119  | 1145530  | 21.644  | ug/l   | 90       |
| 84) 1,2,4-Trimethylbenzene     | 13.08 | 105  | 1044357  | 21.804  | ug/l   | 98       |
| 85) sec-Butylbenzene           | 13.20 | 105  | 1386467  | 21.481  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.33 | 119  | 1122353  | 21.542  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.29 | 146  | 618498   | 21.190  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 13.38 | 146  | 600132   | 20.865  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.64 | 91   | 1178412  | 22.133  | ug/l   | 100      |
| 90) Hexachloroethane           | 13.84 | 117  | 276809   | 21.627  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 522658   | 22.323  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.22 | 75   | 24194    | 21.097  | ug/l # | 46       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD122618\  
Data File : VD060711.D  
Acq On : 26 Dec 2018 11:43  
Operator : VA/AP  
Sample : VD1226SBS01  
Misc : 5.00g/5ml/MSVOA\_D/SOIL  
ALS Vial : 5 Sample Multiplier: 1

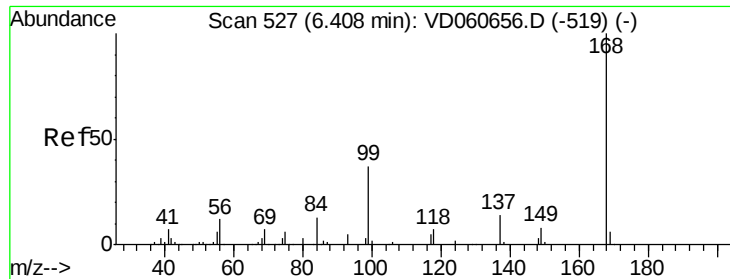
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

Quant Time: Dec 27 01:48:55 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 21 17:37:47 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.78 | 180  | 397951   | 21.360 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 14.87 | 225  | 284929   | 20.690 | ug/l  | 98       |
| 95) Naphthalene            | 14.96 | 128  | 441731   | 19.949 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.10 | 180  | 322900   | 22.171 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 524

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

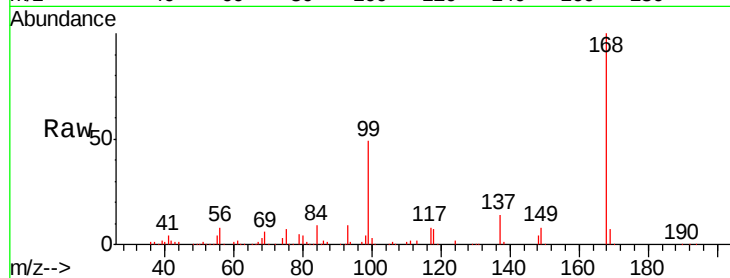
VD1226SBS01

Tgt Ion:168 Resp: 1482377

Ion Ratio Lower Upper

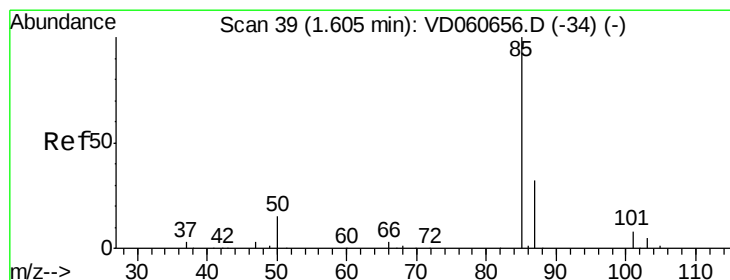
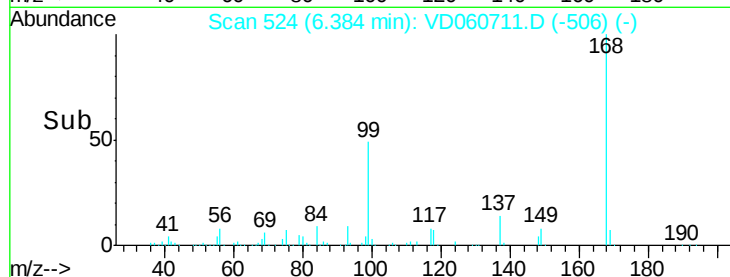
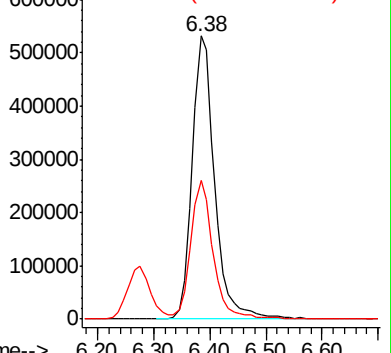
168 100

99 49.1 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.781 ug/l

RT: 1.60 min Scan# 38

Delta R.T. -0.00 min

Lab File: VD060711.D

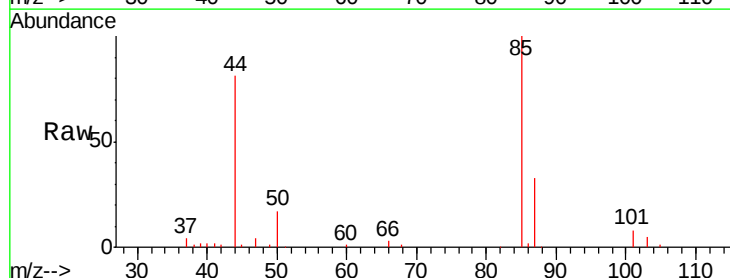
Acq: 26 Dec 2018 11:43

Tgt Ion: 85 Resp: 355723

Ion Ratio Lower Upper

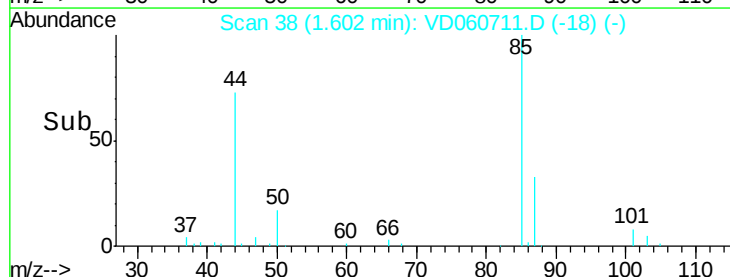
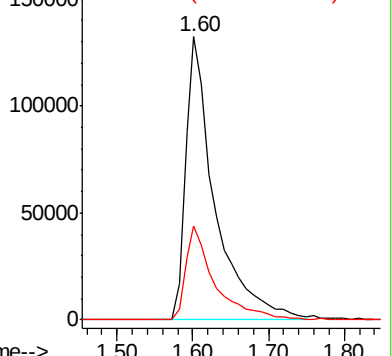
85 100

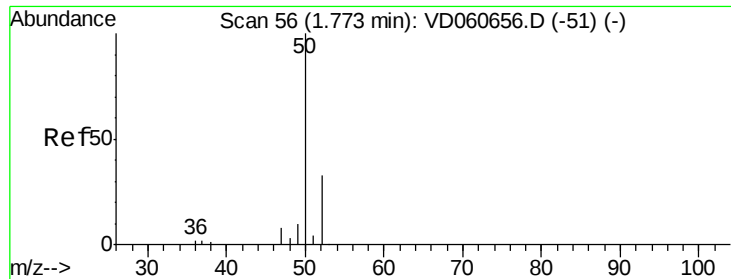
87 33.4 16.0 47.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.073 ug/l

RT: 1.77 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

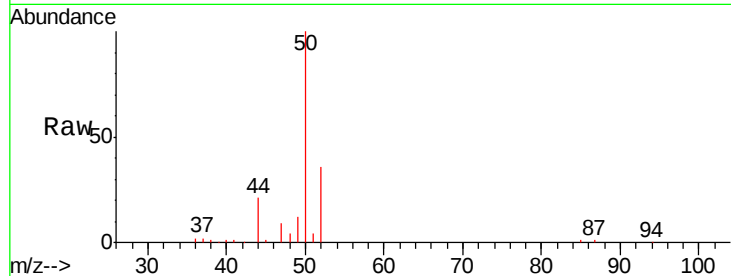
VD1226SBS01

Tgt Ion: 50 Resp: 332484

Ion Ratio Lower Upper

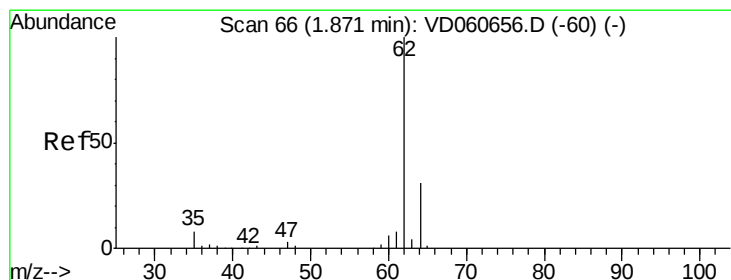
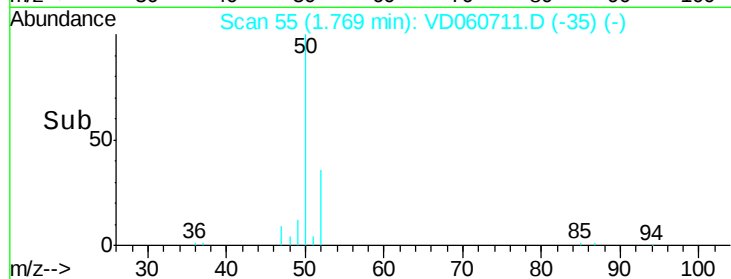
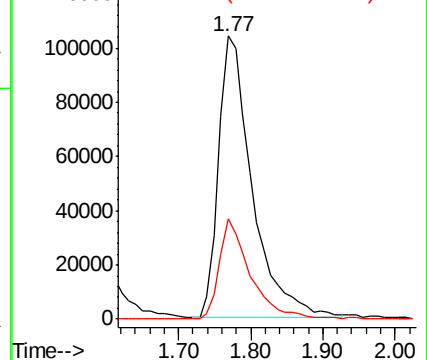
50 100

52 35.6 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.858 ug/l

RT: 1.87 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060711.D

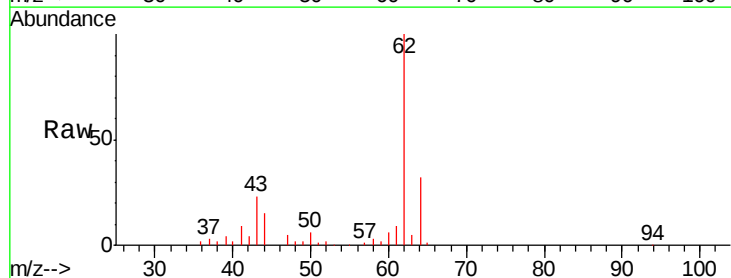
Acq: 26 Dec 2018 11:43

Tgt Ion: 62 Resp: 260990

Ion Ratio Lower Upper

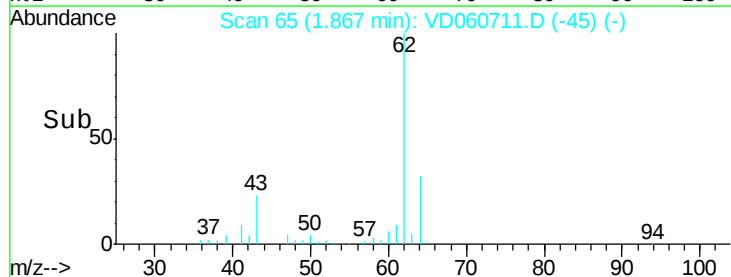
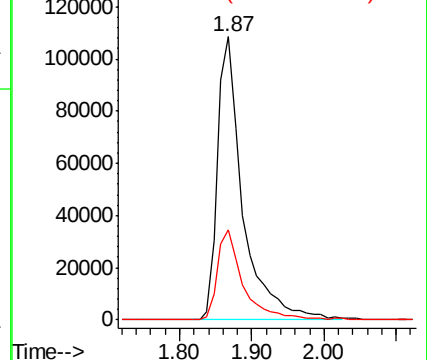
62 100

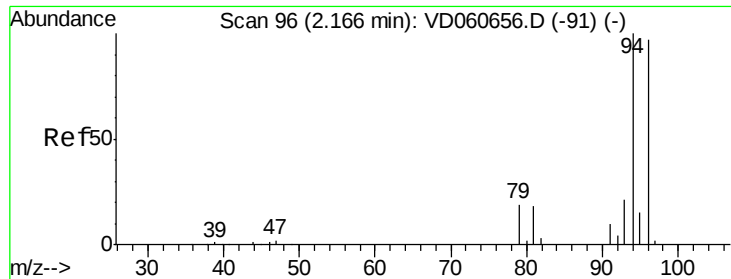
64 32.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 12.036 ug/l

RT: 2.15 min Scan# 94

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

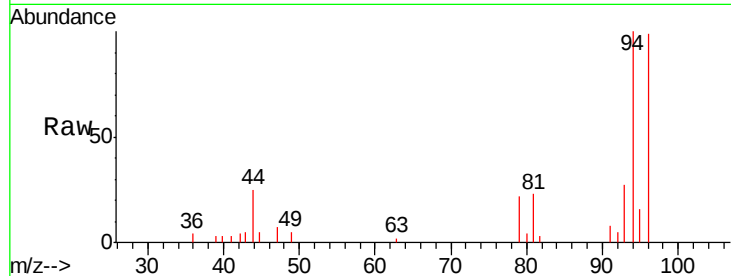
VD1226SBS01

Tgt Ion: 94 Resp: 37313

Ion Ratio Lower Upper

94 100

96 99.2 77.2 115.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.15

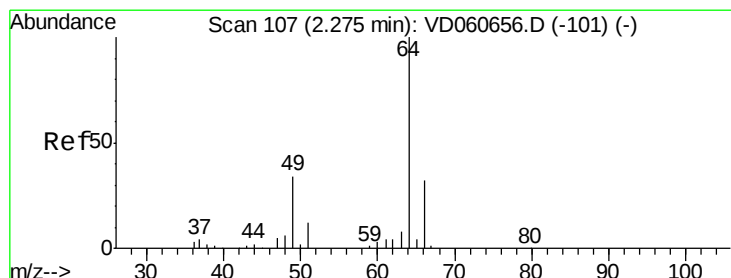
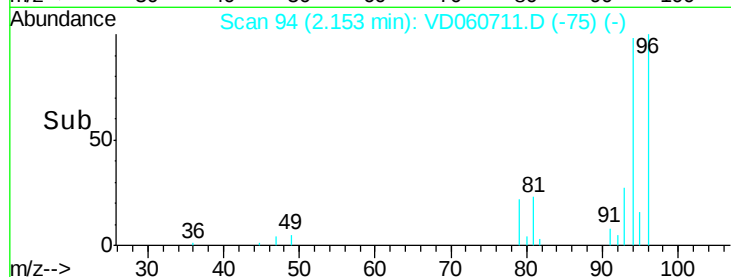
15000

10000

5000

0

Time--> 2.05 2.10 2.15 2.20 2.25



#6

Chloroethane

Concen: 15.834 ug/l

RT: 2.26 min Scan# 105

Delta R.T. -0.01 min

Lab File: VD060711.D

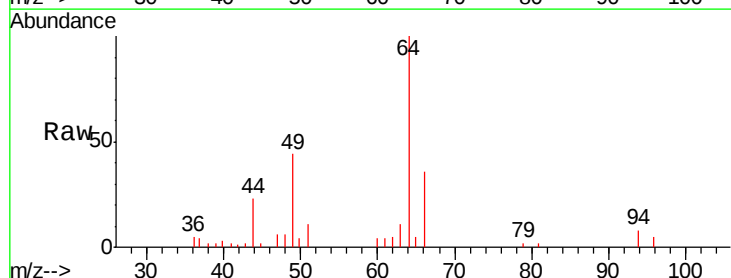
Acq: 26 Dec 2018 11:43

Tgt Ion: 64 Resp: 65400

Ion Ratio Lower Upper

64 100

66 35.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.26

25000

20000

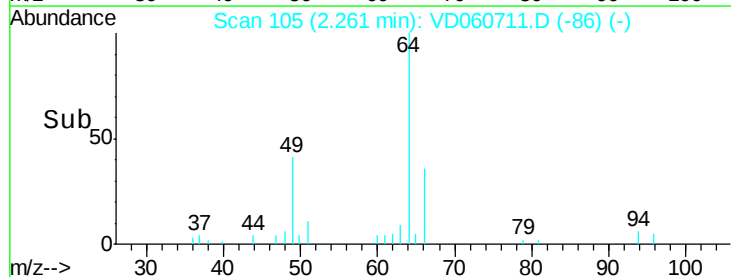
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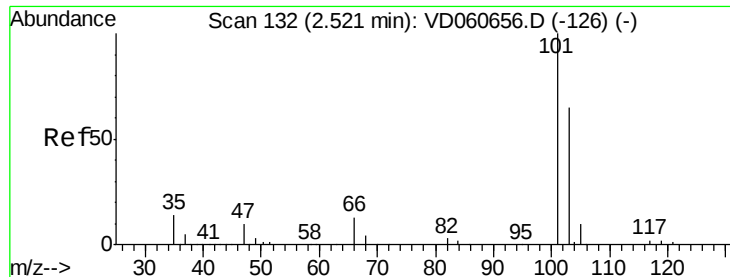
10000

5000

0

Time--> 2.20 2.30 2.40 2.50



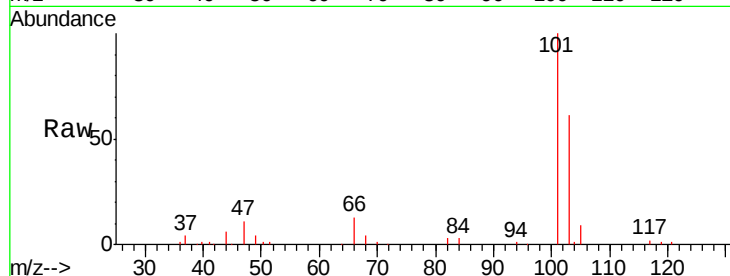


#7

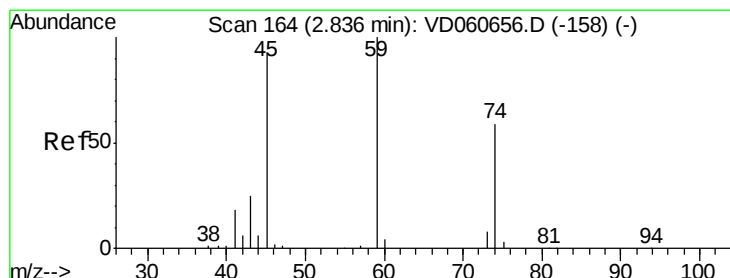
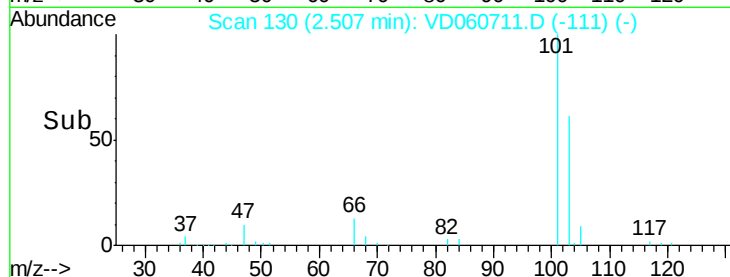
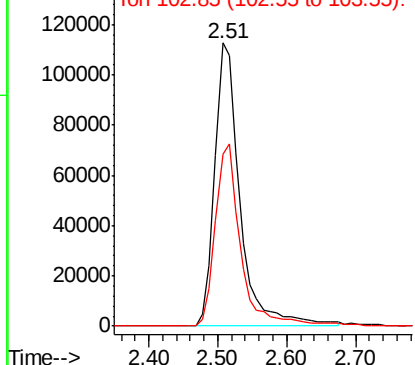
Trichlorofluoromethane  
 Concen: 18.660 ug/l  
 RT: 2.51 min Scan# 130  
 Delta R.T. -0.01 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

Tgt Ion: 101 Resp: 287250  
 Ion Ratio Lower Upper  
 101 100  
 103 60.8 51.9 77.9



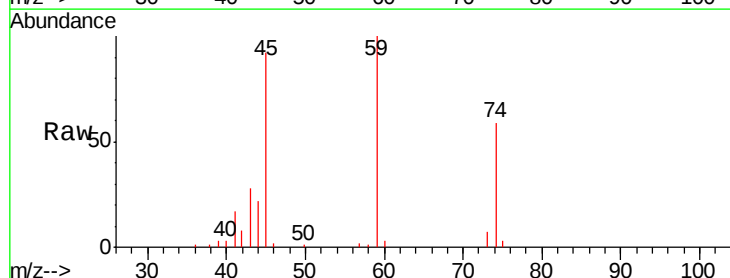
Abundance Ion 100.85 (100.55 to 101.55): V  
 Ion 102.85 (102.55 to 103.55): V



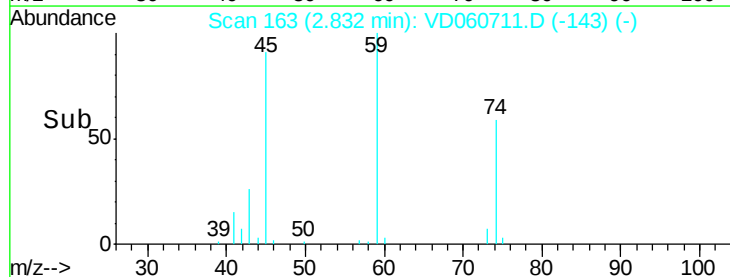
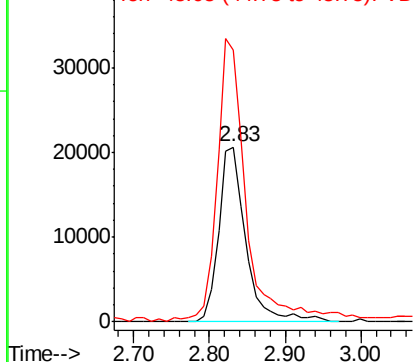
#8

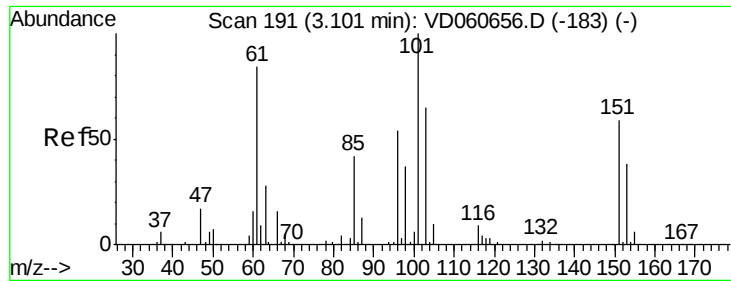
Diethyl Ether  
 Concen: 20.047 ug/l  
 RT: 2.83 min Scan# 163  
 Delta R.T. -0.00 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Tgt Ion: 74 Resp: 51630  
 Ion Ratio Lower Upper  
 74 100  
 45 156.1 79.3 238.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.691 ug/l

RT: 3.09 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1226SBS01

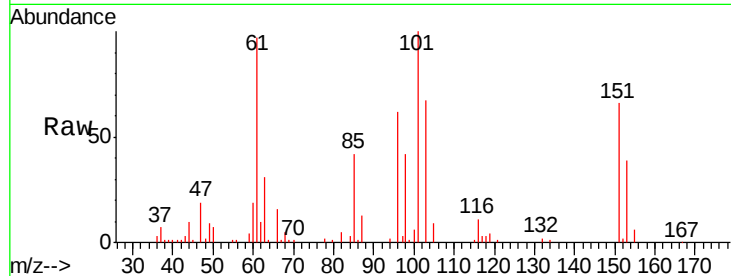
Tgt Ion:101 Resp: 196623

Ion Ratio Lower Upper

101 100

85 42.4 33.4 50.0

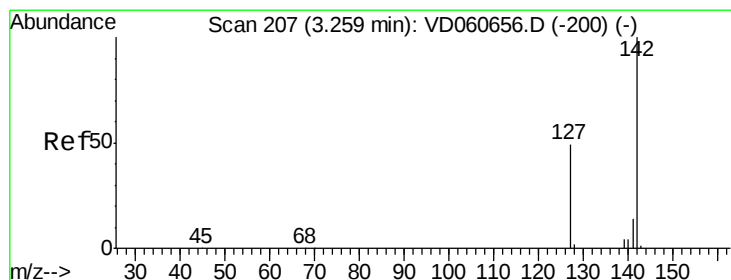
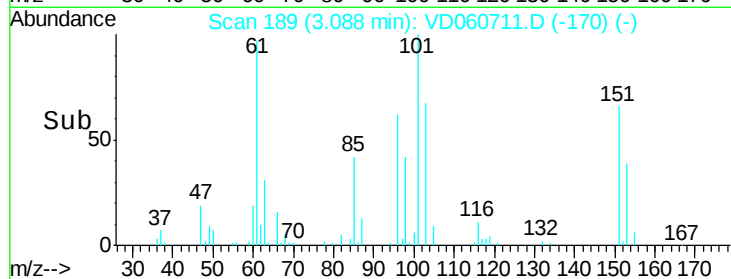
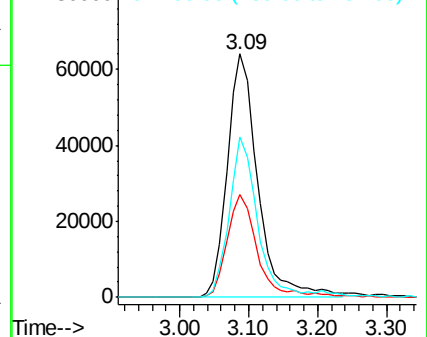
151 65.9 47.5 71.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.516 ug/l

RT: 3.25 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

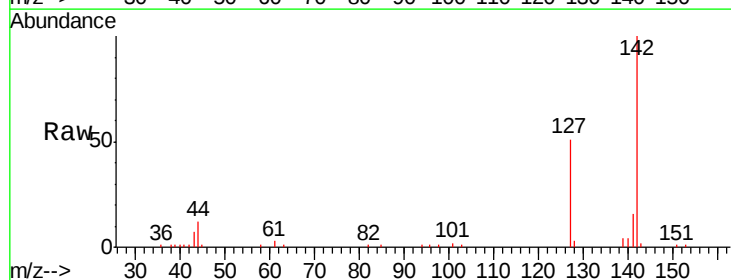
Tgt Ion:142 Resp: 194304

Ion Ratio Lower Upper

142 100

127 50.6 39.5 59.3

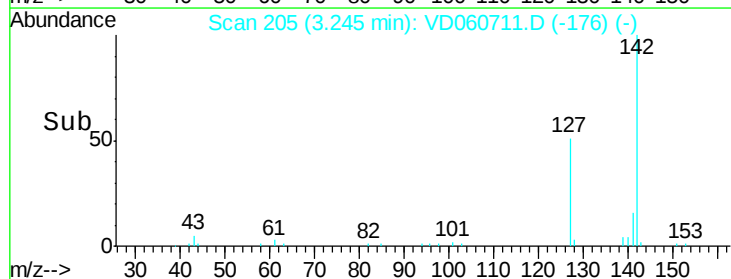
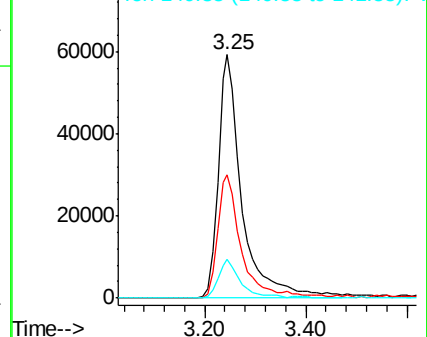
141 16.2 11.3 16.9

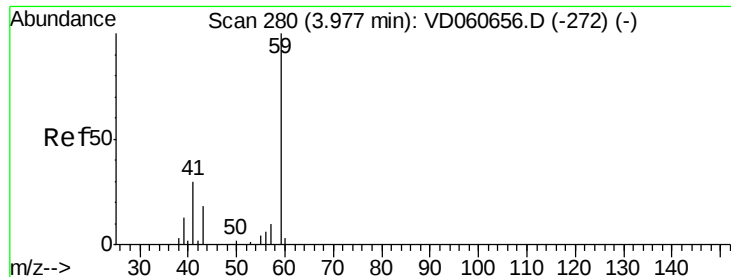


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



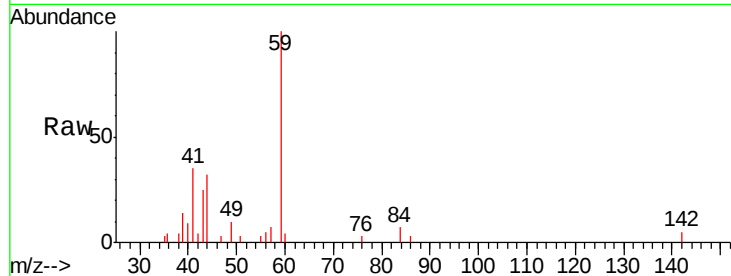


#11

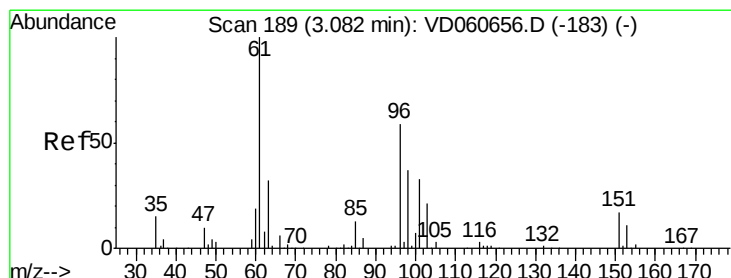
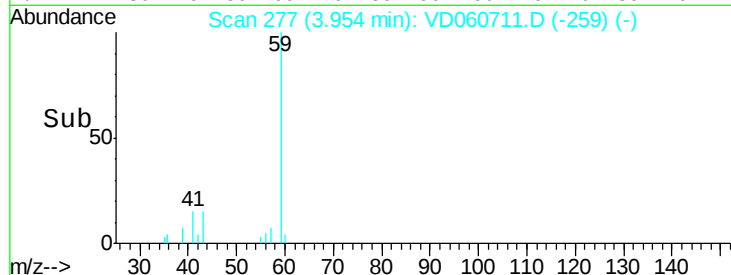
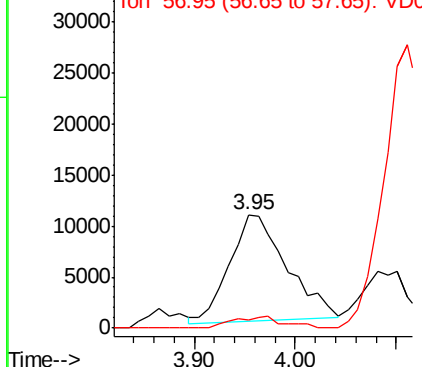
Tert butyl alcohol  
 Concen: 95.896 ug/l  
 RT: 3.95 min Scan# 277  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

Tgt Ion: 59 Resp: 41056  
 Ion Ratio Lower Upper  
 59 100  
 57 7.4 7.8 11.6#



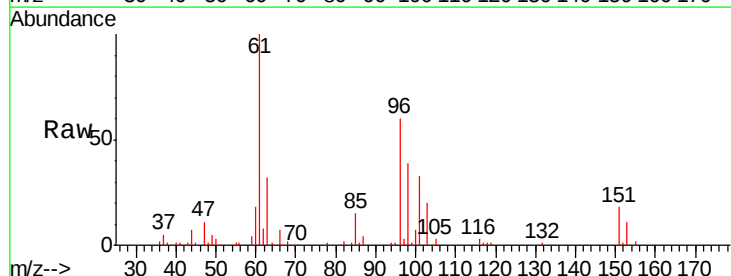
Abundance Ion 58.95 (58.65 to 59.65): VDC  
 Ion 56.95 (56.65 to 57.65): VDC



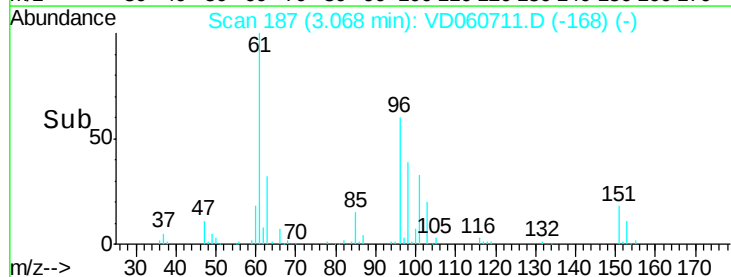
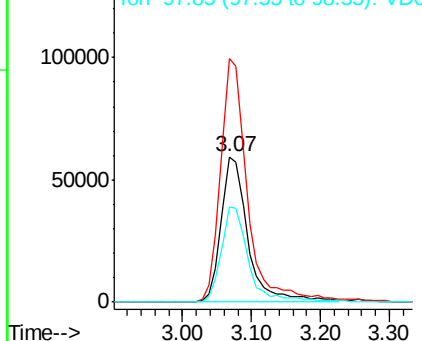
#12

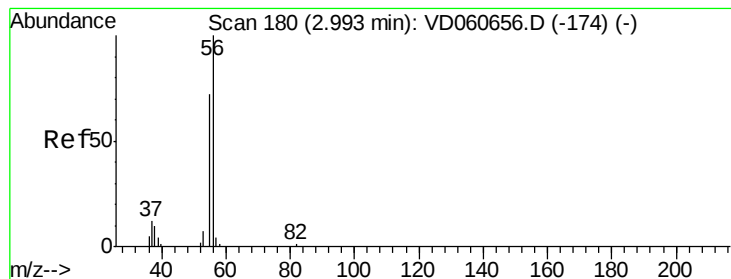
1,1-Dichloroethene  
 Concen: 19.681 ug/l  
 RT: 3.07 min Scan# 187  
 Delta R.T. -0.01 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Tgt Ion: 96 Resp: 161476  
 Ion Ratio Lower Upper  
 96 100  
 61 167.1 136.2 204.4  
 98 65.1 50.7 76.1



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





#13

Acrolein

Concen: 95.910 ug/l

RT: 2.99 min Scan# 179

Delta R.T. -0.00 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

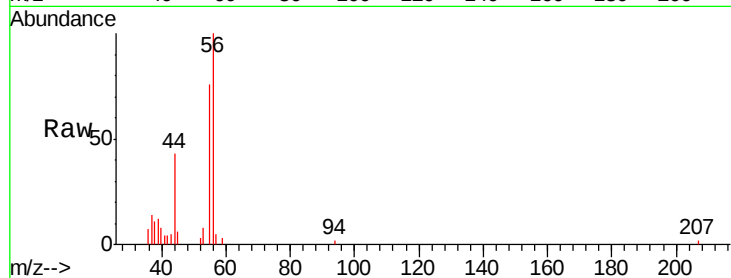
VD1226SBS01

Tgt Ion: 56 Resp: 41844

Ion Ratio Lower Upper

56 100

55 76.3 57.7 86.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

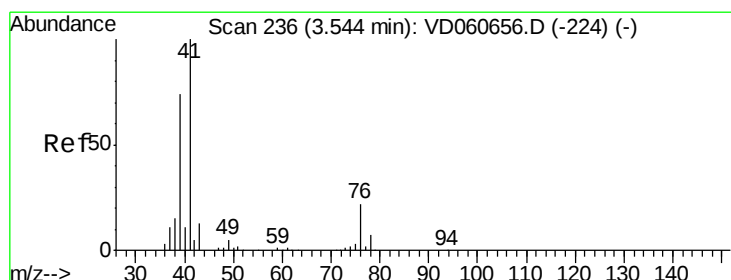
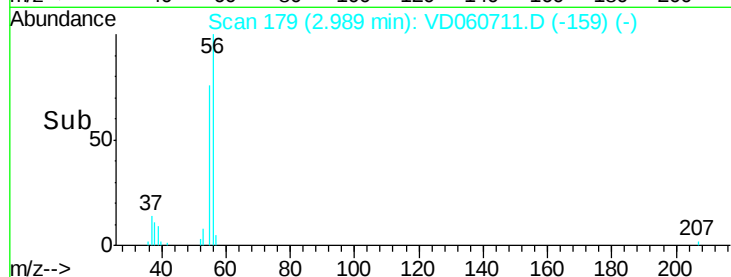
10000

5000

0

2.90 3.00 3.10 3.20

Time-->



#14

Allyl chloride

Concen: 19.932 ug/l

RT: 3.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

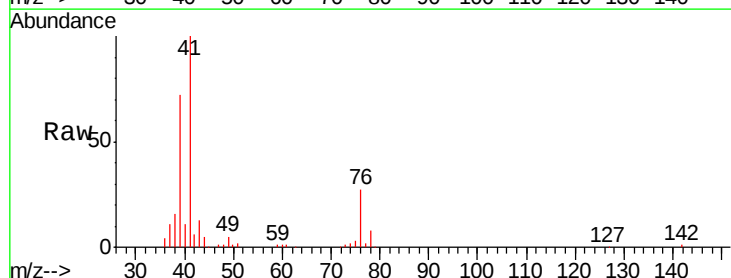
Tgt Ion: 41 Resp: 300075

Ion Ratio Lower Upper

41 100

39 72.2 59.6 89.4

76 26.7 21.8 32.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

150000

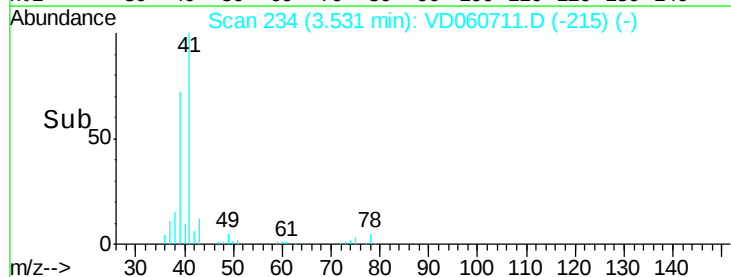
100000

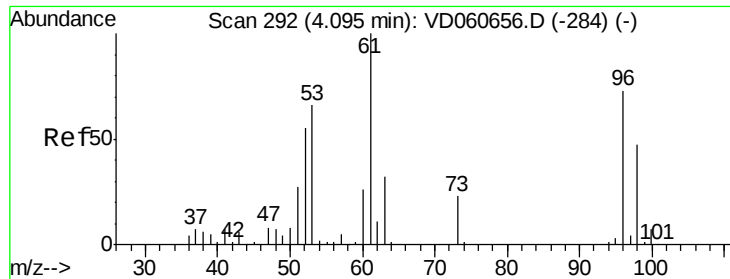
50000

0

3.40 3.50 3.60

Time-->

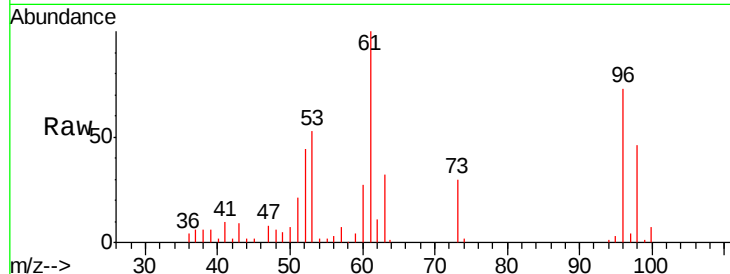




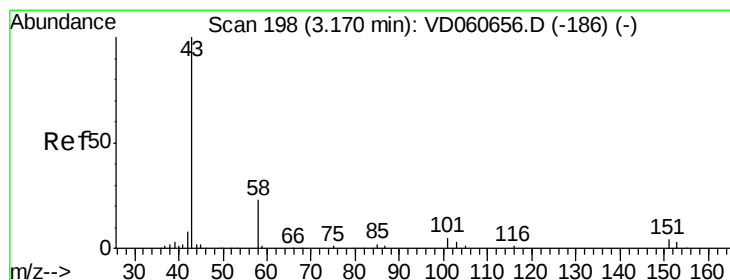
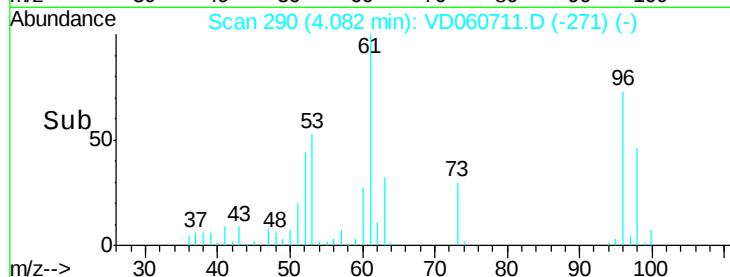
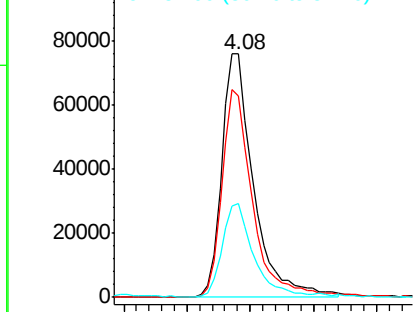
#15  
 Acrylonitrile  
 Concen: 107.108 ug/l  
 RT: 4.08 min Scan# 290  
 Delta R.T. -0.01 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

Tgt Ion: 53 Resp: 266225  
 Ion Ratio Lower Upper  
 53 100  
 52 82.7 66.7 100.1  
 51 38.6 32.7 49.1

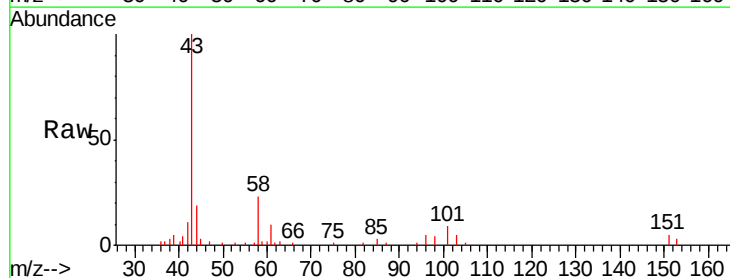


Abundance Ion 53.00 (52.70 to 53.70): VDC  
 Ion 52.00 (51.70 to 52.70): VDC  
 Ion 51.00 (50.70 to 51.70): VDC

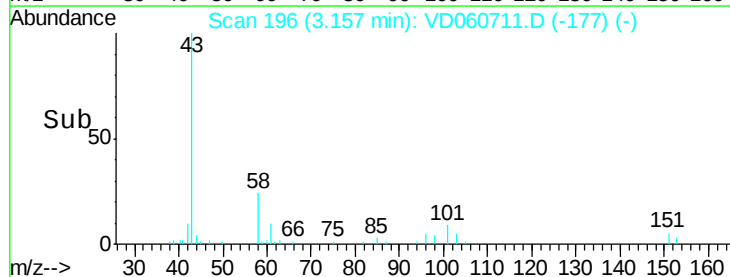
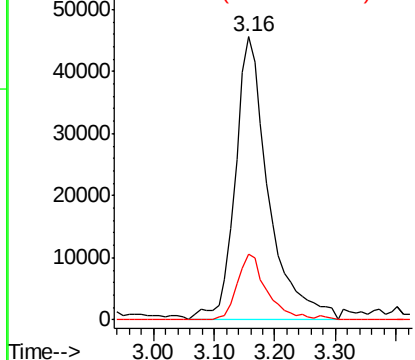


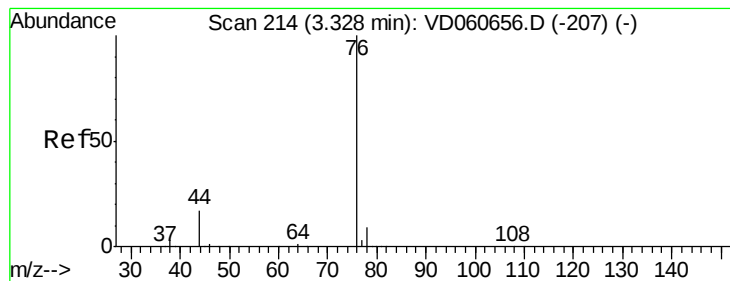
#16  
 Acetone  
 Concen: 97.776 ug/l  
 RT: 3.16 min Scan# 196  
 Delta R.T. -0.01 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Tgt Ion: 43 Resp: 174923  
 Ion Ratio Lower Upper  
 43 100  
 58 23.1 18.2 27.2



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





#17

Carbon Disulfide

Concen: 17.682 ug/l

RT: 3.31 min Scan# 212

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

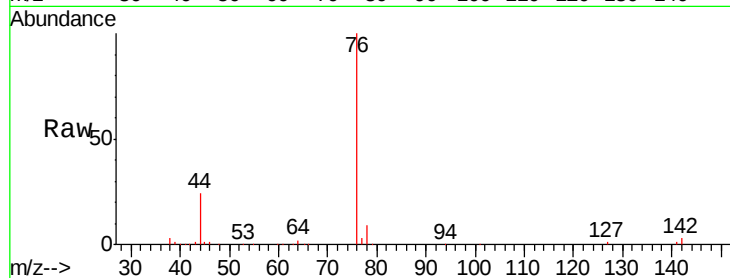
VD1226SBS01

Tgt Ion: 76 Resp: 463315

Ion Ratio Lower Upper

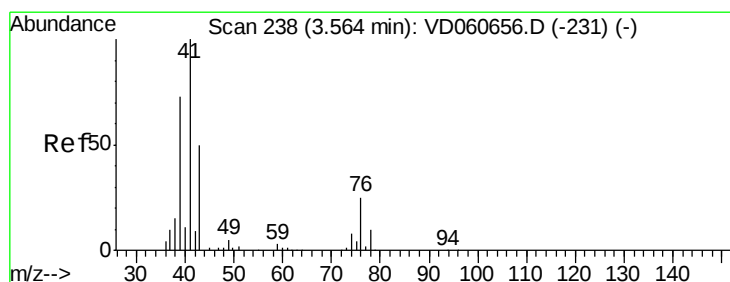
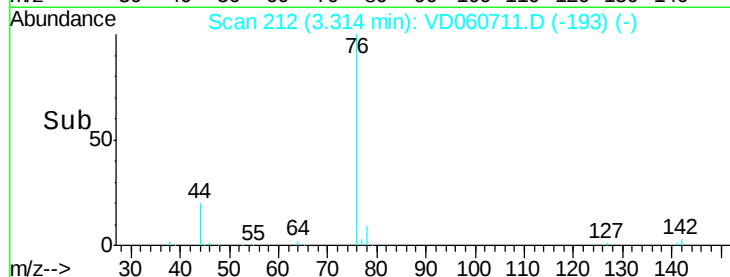
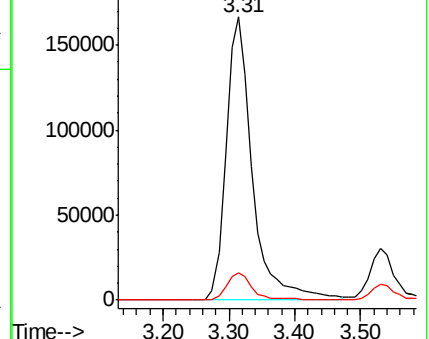
76 100

78 9.5 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.326 ug/l

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD060711.D

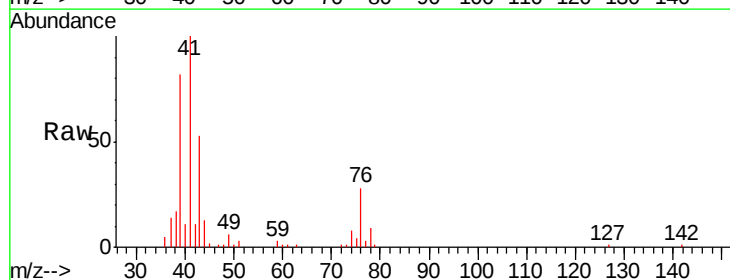
Acq: 26 Dec 2018 11:43

Tgt Ion: 43 Resp: 85688

Ion Ratio Lower Upper

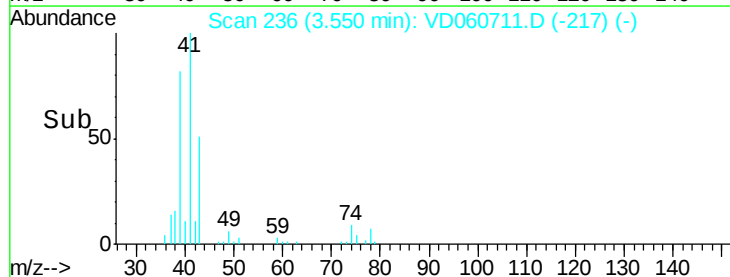
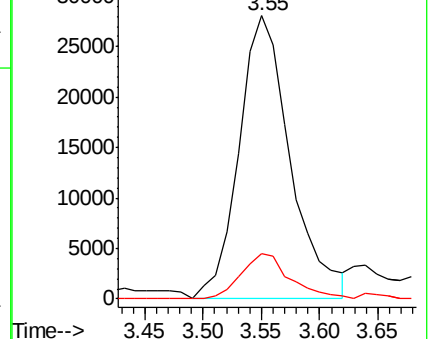
43 100

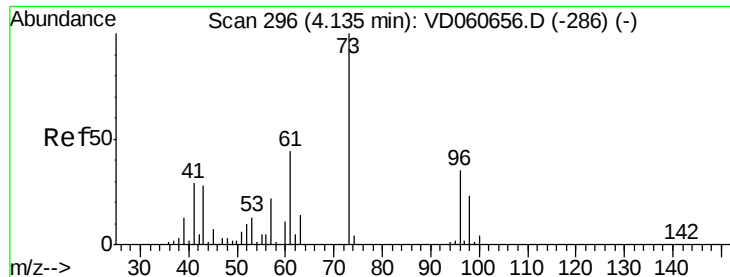
74 15.9 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



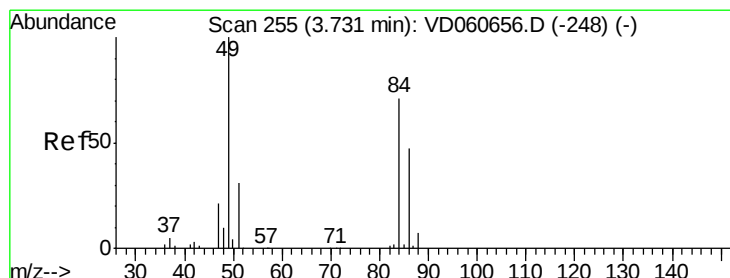
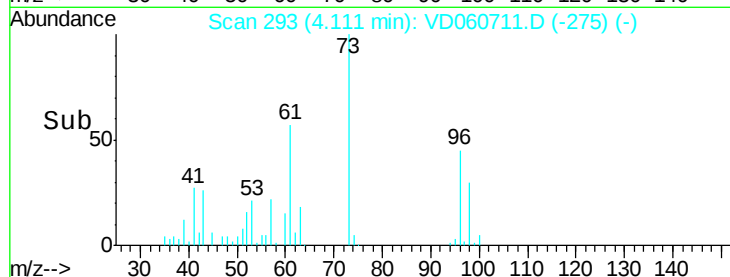
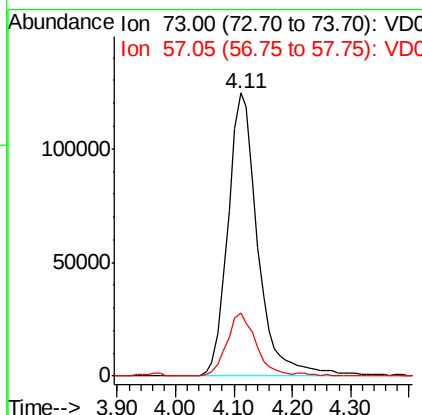
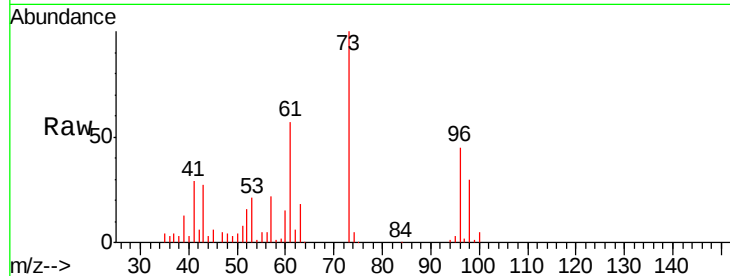


#19

Methyl tert-butyl Ether  
 Concen: 21.215 ug/l  
 RT: 4.11 min Scan# 293  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

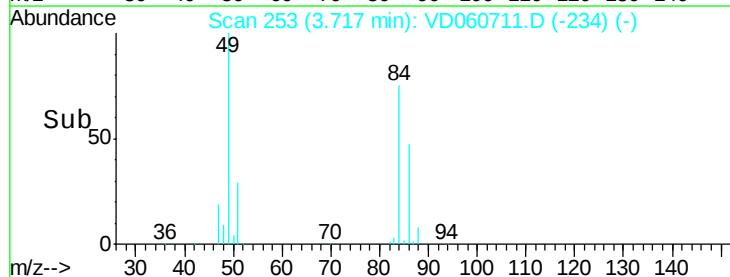
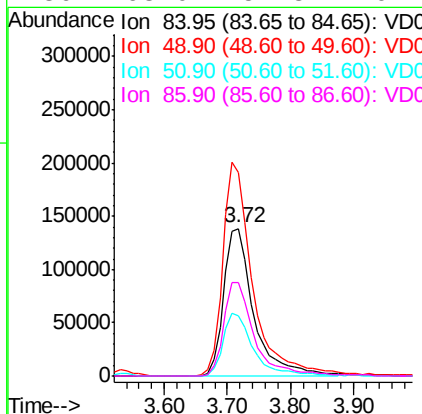
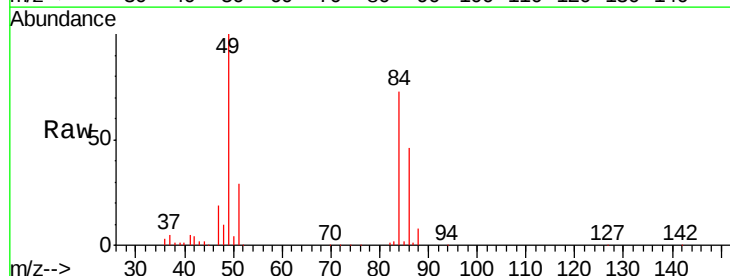
Tgt Ion: 73 Resp: 441596  
 Ion Ratio Lower Upper  
 73 100  
 57 22.3 17.6 26.4

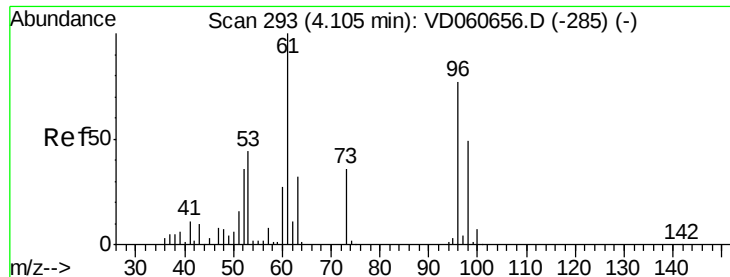


#20

Methylene Chloride  
 Concen: 24.751 ug/l  
 RT: 3.72 min Scan# 253  
 Delta R.T. -0.01 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Tgt Ion: 84 Resp: 459849  
 Ion Ratio Lower Upper  
 84 100  
 49 137.8 113.6 170.4  
 51 40.6 34.7 52.1  
 86 63.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.721 ug/l

RT: 4.09 min Scan# 291

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1226SBS01

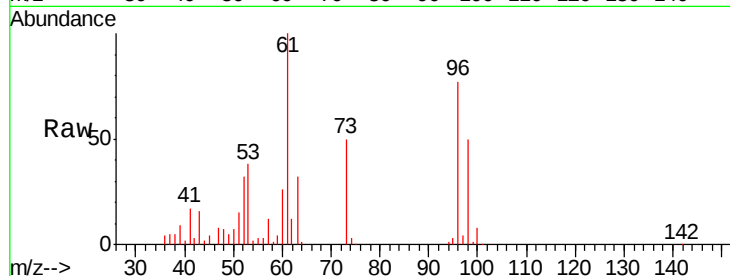
Tgt Ion: 96 Resp: 331362

Ion Ratio Lower Upper

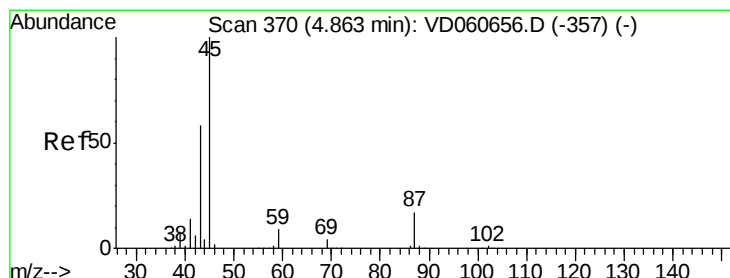
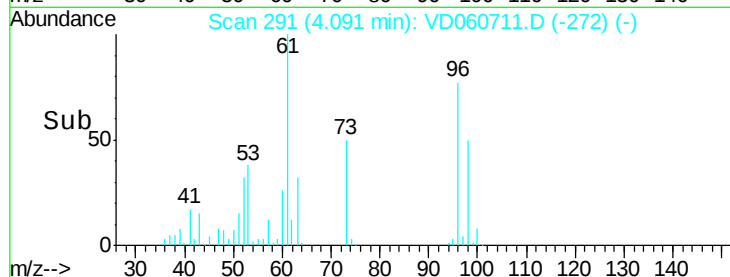
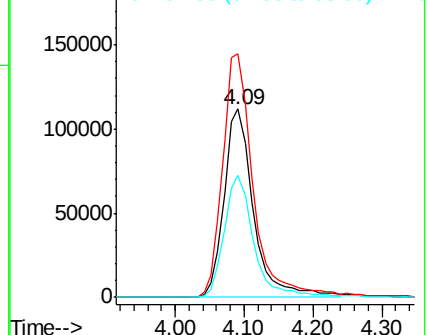
96 100

61 129.3 104.2 156.2

98 64.7 51.2 76.8



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



#22

Diisopropyl ether

Concen: 21.232 ug/l

RT: 4.84 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Tgt Ion: 45 Resp: 1085275

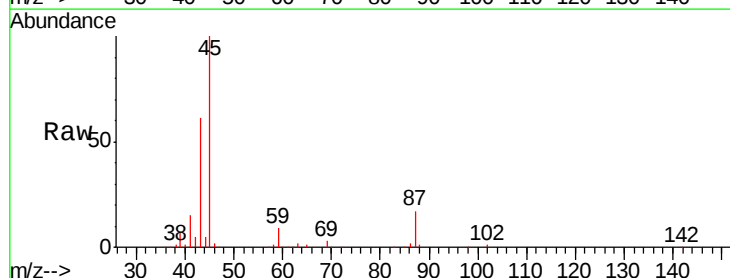
Ion Ratio Lower Upper

45 100

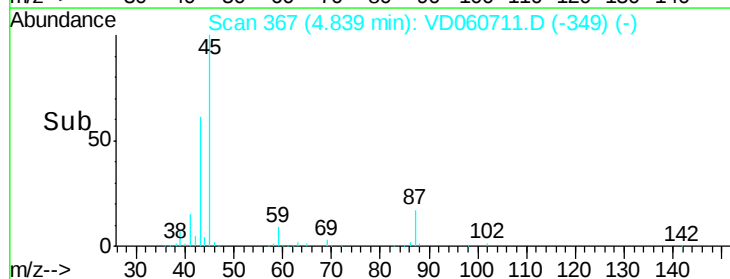
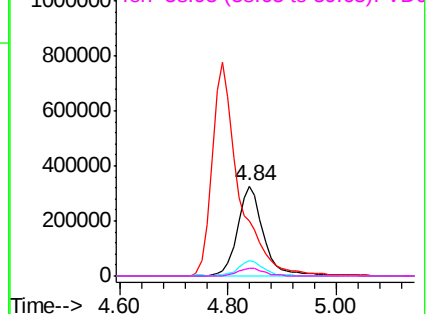
43 60.8 46.1 69.1

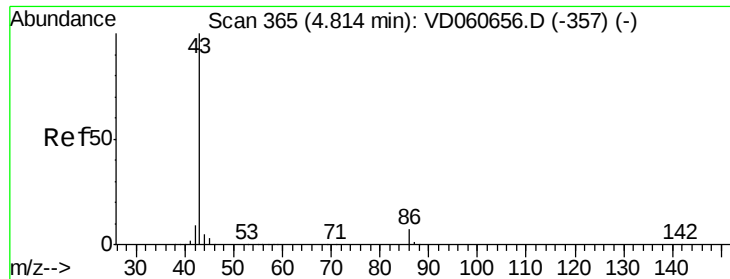
87 17.1 13.7 20.5

59 9.1 7.4 11.0



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





#23

Vinyl Acetate

Concen: 107.549 ug/l

RT: 4.79 min Scan# 362

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

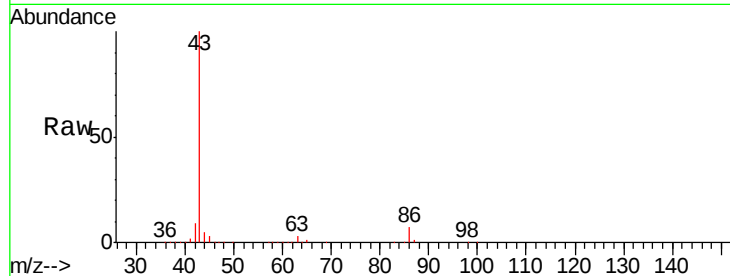
VD1226SBS01

Tgt Ion: 43 Resp: 2659671

Ion Ratio Lower Upper

43 100

86 6.7 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.79

800000

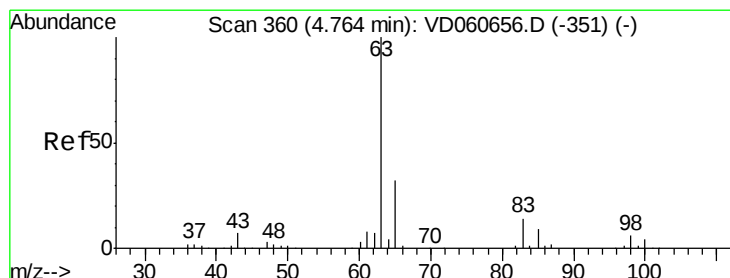
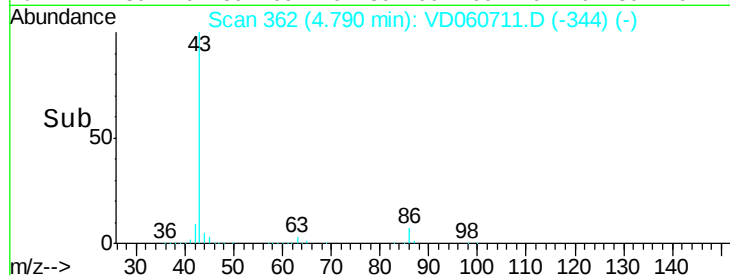
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.131 ug/l

RT: 4.74 min Scan# 357

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

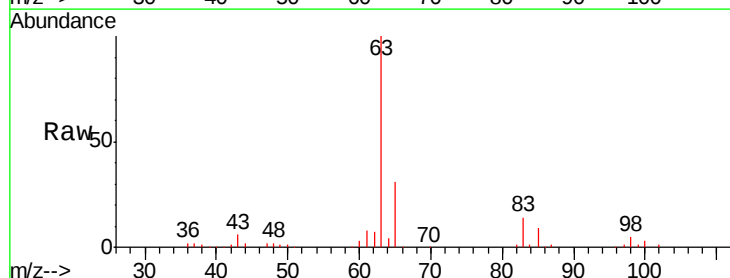
Tgt Ion: 63 Resp: 568125

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

100 3.4 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.74

250000

200000

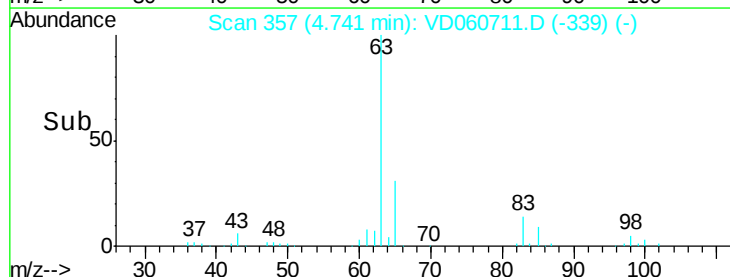
150000

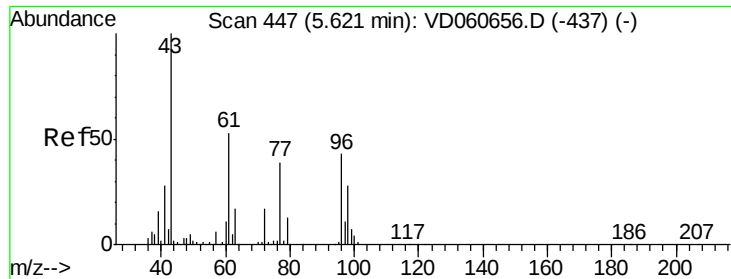
100000

50000

0

Time-->





#25

2-Butanone

Concen: 104.240 ug/l

RT: 5.61 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

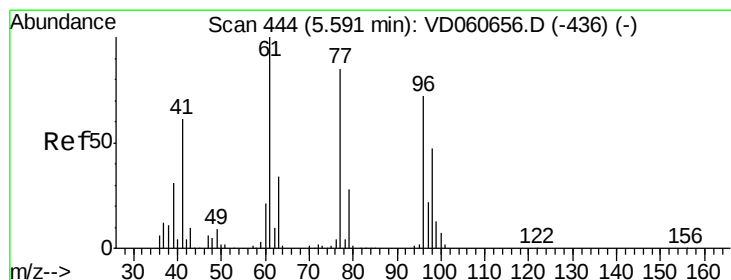
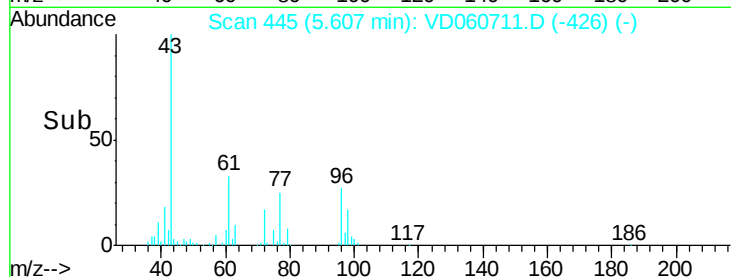
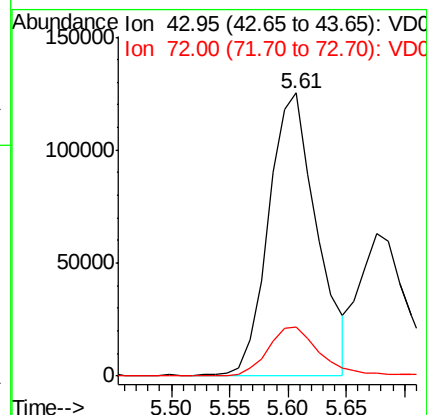
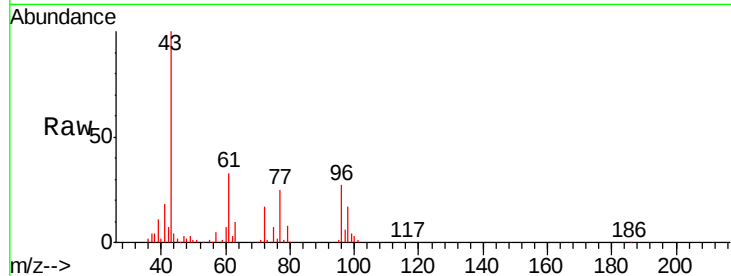
VD1226SBS01

Tgt Ion: 43 Resp: 356858

Ion Ratio Lower Upper

43 100

72 17.5 13.7 20.5



#26

2,2-Dichloropropane

Concen: 20.802 ug/l

RT: 5.57 min Scan# 441

Delta R.T. -0.02 min

Lab File: VD060711.D

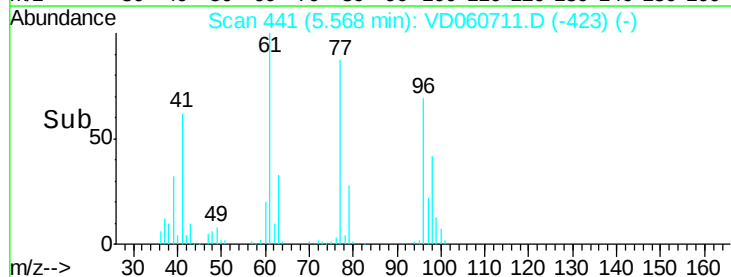
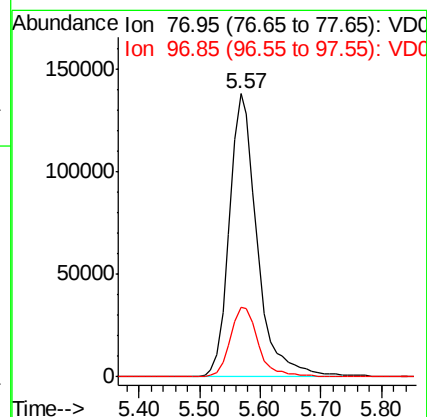
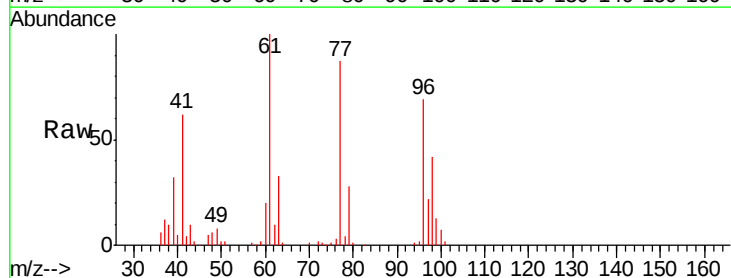
Acq: 26 Dec 2018 11:43

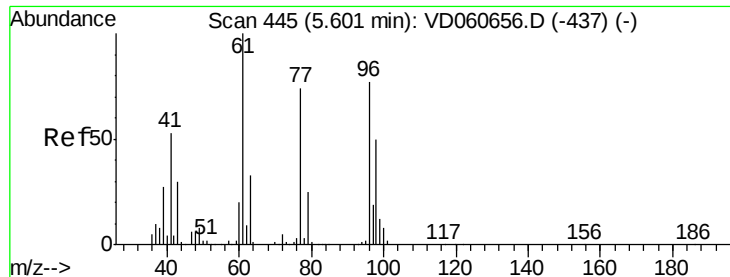
Tgt Ion: 77 Resp: 441474

Ion Ratio Lower Upper

77 100

97 24.8 13.0 39.0





#27

cis-1,2-Dichloroethene

Concen: 20.720 ug/l

RT: 5.58 min Scan# 442

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1226SBS01

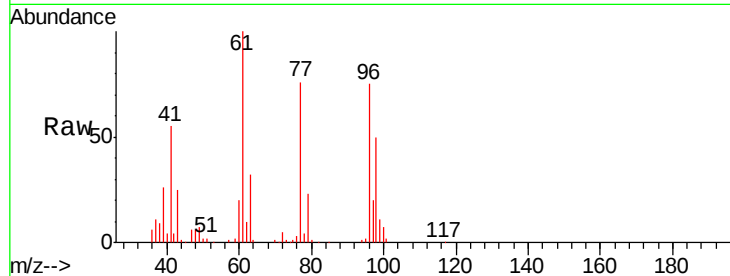
Tgt Ion: 96 Resp: 353421

Ion Ratio Lower Upper

96 100

61 133.1 0.0 259.4

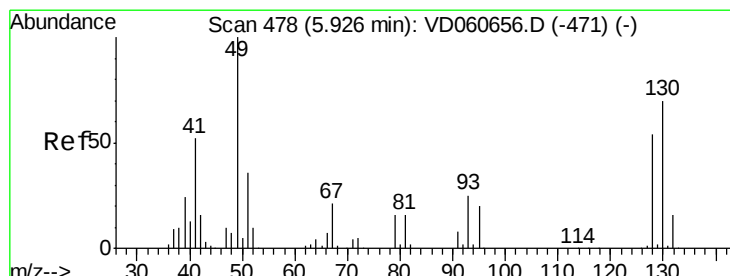
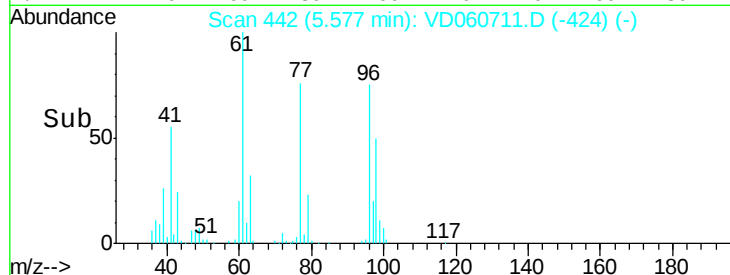
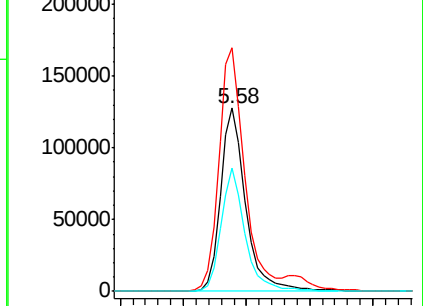
98 67.2 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 19.550 ug/l

RT: 5.90 min Scan# 475

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

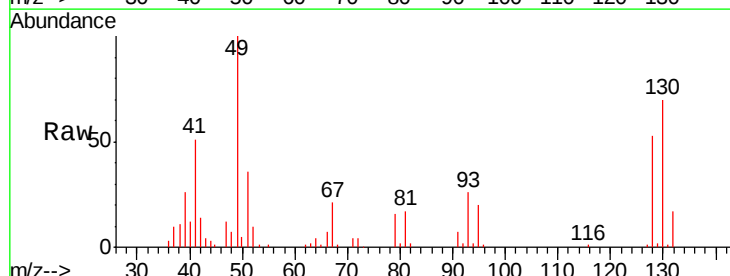
Tgt Ion: 49 Resp: 222053

Ion Ratio Lower Upper

49 100

129 2.3 0.0 3.4

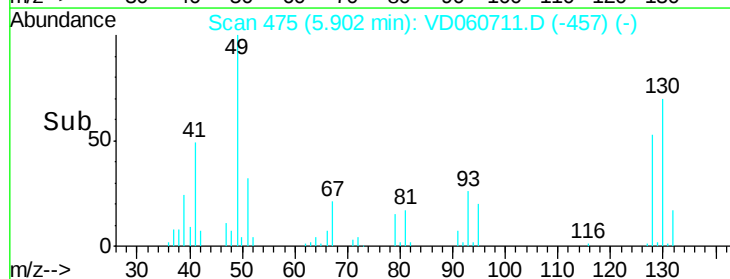
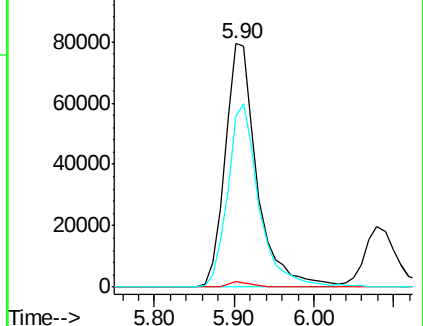
130 70.1 56.2 84.2

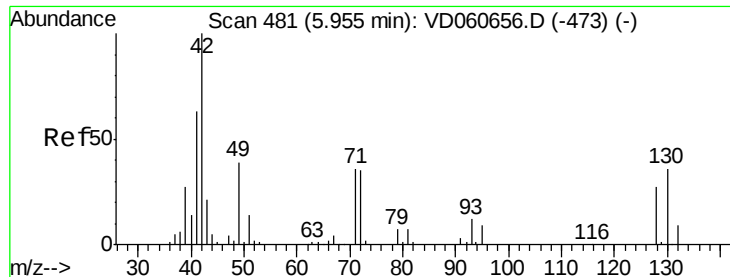


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

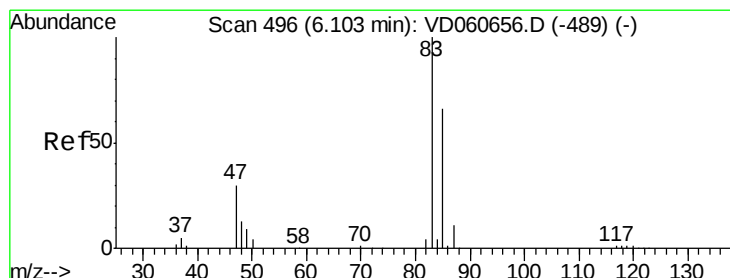
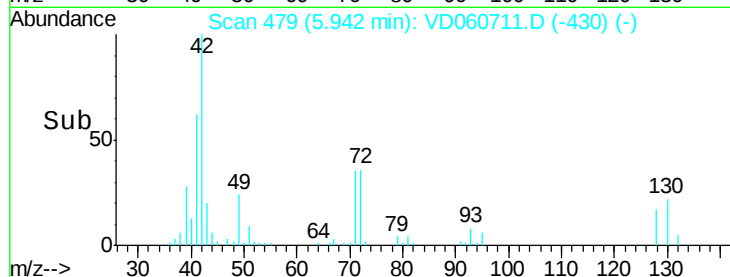
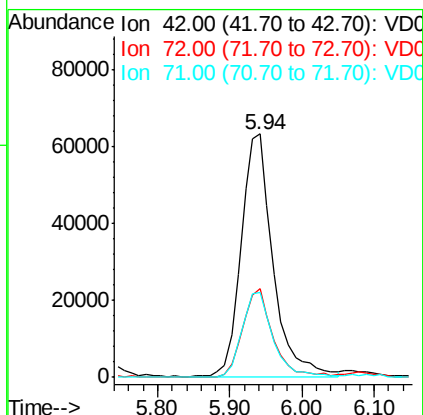
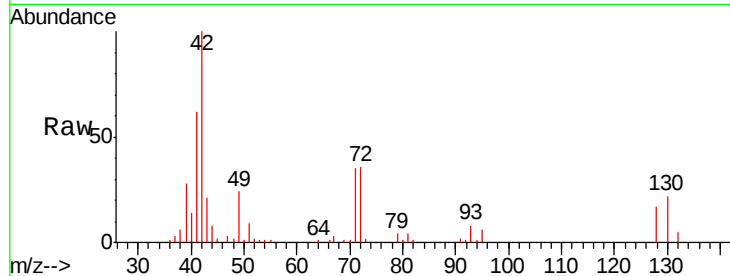




#29  
Tetrahydrofuran  
Concen: 101.270 ug/l  
RT: 5.94 min Scan# 479  
Delta R.T. -0.01 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

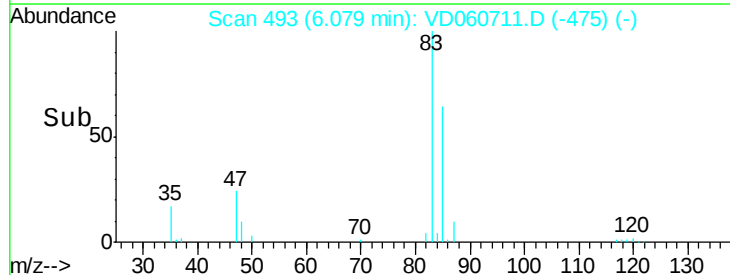
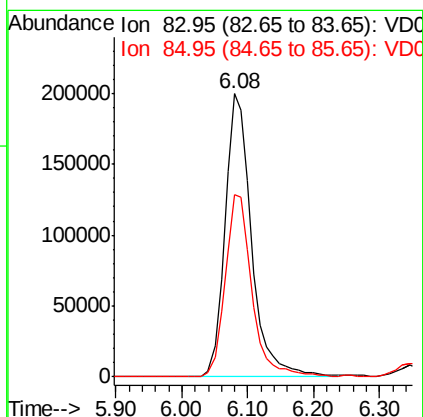
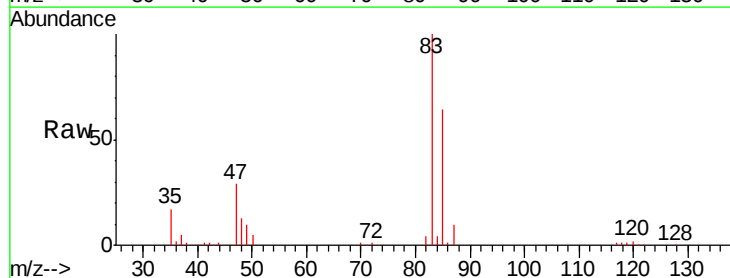
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

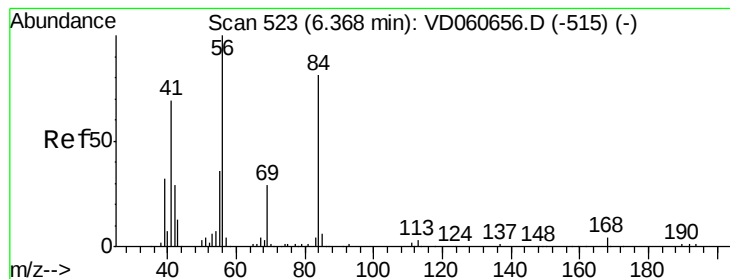
Tgt Ion: 42 Resp: 196538  
Ion Ratio Lower Upper  
42 100  
72 34.5 28.0 42.0  
71 34.3 27.0 40.6



#30  
Chloroform  
Concen: 20.776 ug/l  
RT: 6.08 min Scan# 493  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Tgt Ion: 83 Resp: 562082  
Ion Ratio Lower Upper  
83 100  
85 64.4 53.0 79.6





#31

Cyclohexane

Concen: 20.065 ug/l

RT: 6.34 min Scan# 520

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1226SBS01

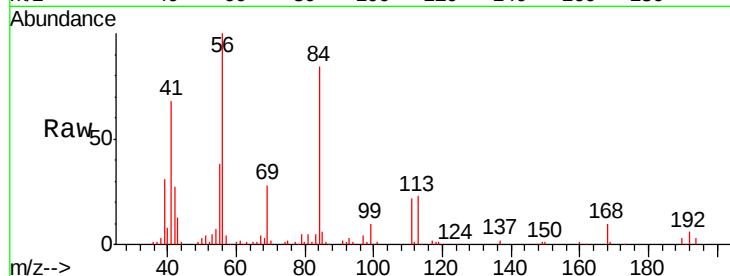
Tgt Ion: 56 Resp: 519161

Ion Ratio Lower Upper

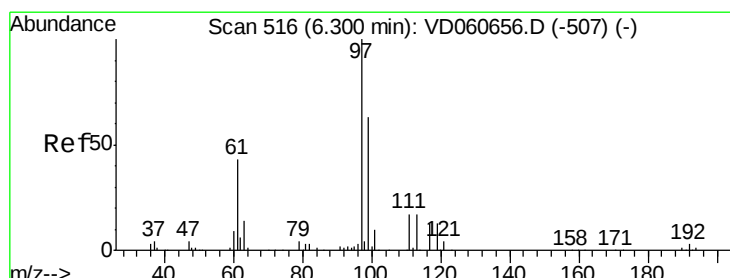
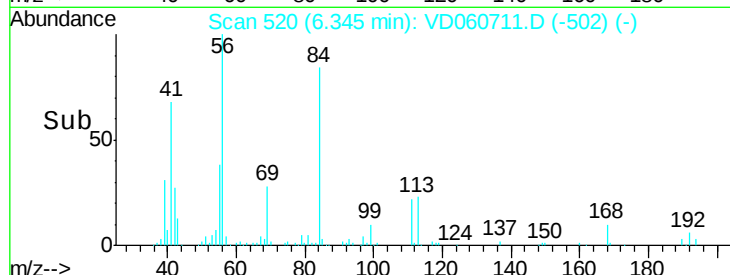
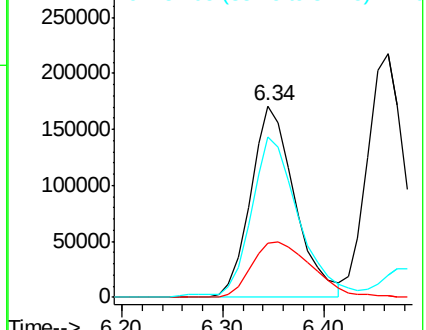
56 100

69 28.2 23.6 35.4

84 83.6 65.8 98.6



Abundance Ion 55.95 (55.65 to 56.65): VDC  
Ion 69.00 (68.70 to 69.70): VDC  
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 20.709 ug/l

RT: 6.28 min Scan# 513

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

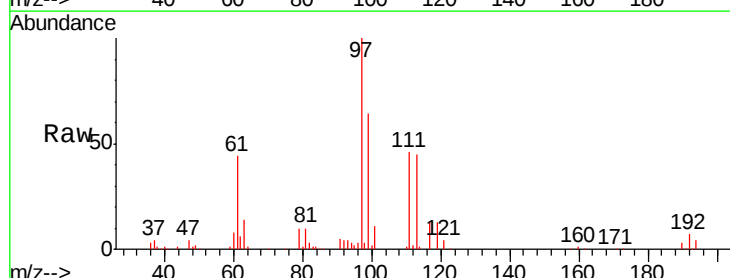
Tgt Ion: 97 Resp: 463511

Ion Ratio Lower Upper

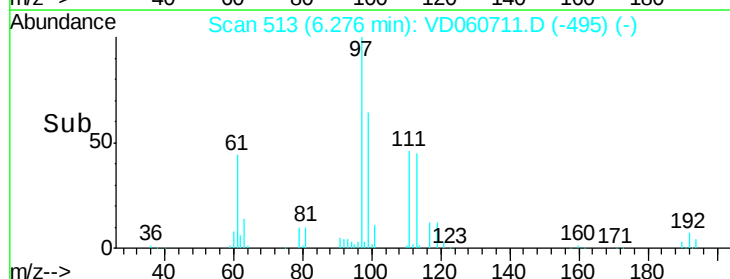
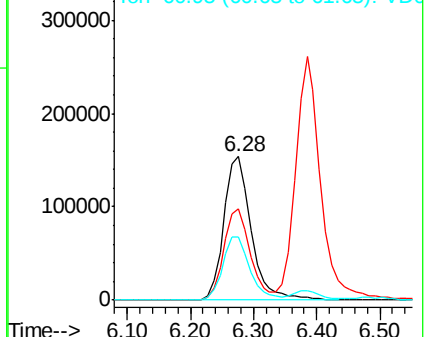
97 100

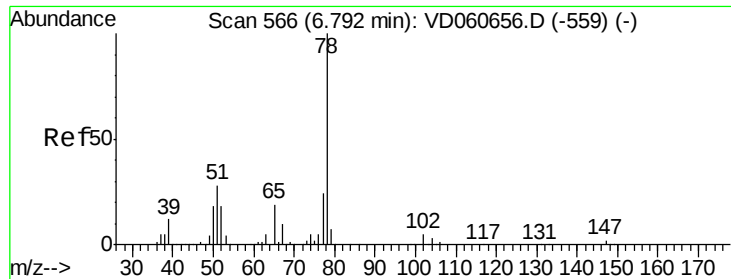
99 64.1 50.5 75.7

61 44.3 34.6 51.8



Abundance Ion 96.85 (96.55 to 97.55): VDC  
Ion 98.85 (98.55 to 99.55): VDC  
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 20.709 ug/l

RT: 6.77 min Scan# 563

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

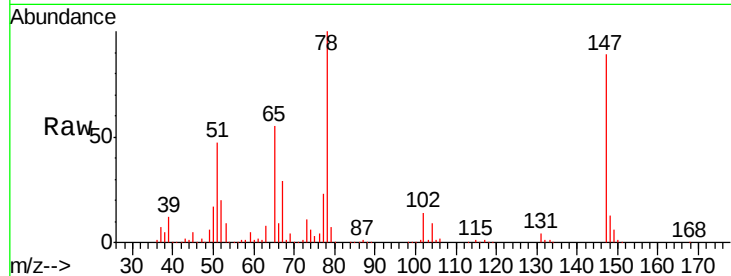
VD1226SBS01

Tgt Ion: 65 Resp: 590997

Ion Ratio Lower Upper

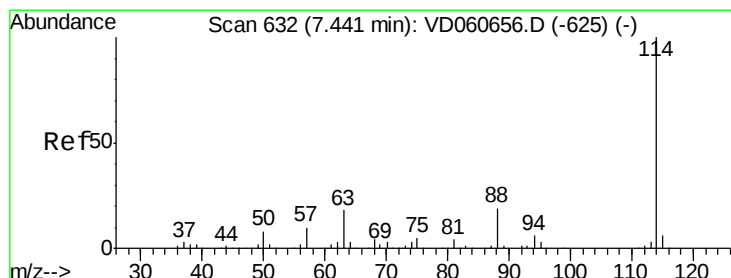
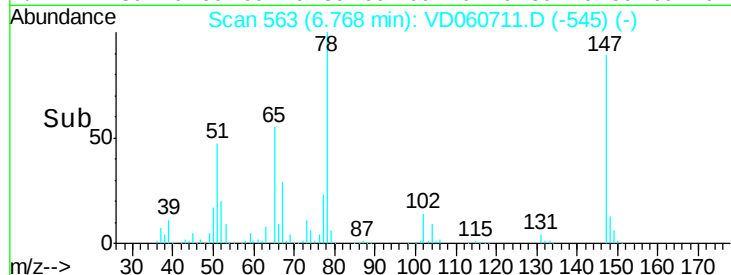
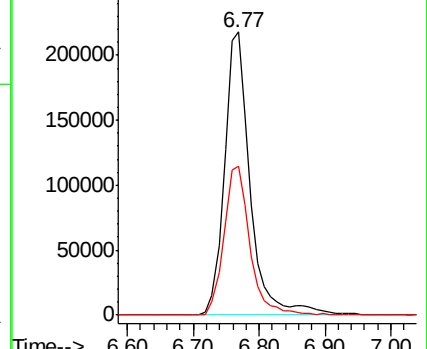
65 100

67 52.7 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 629

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

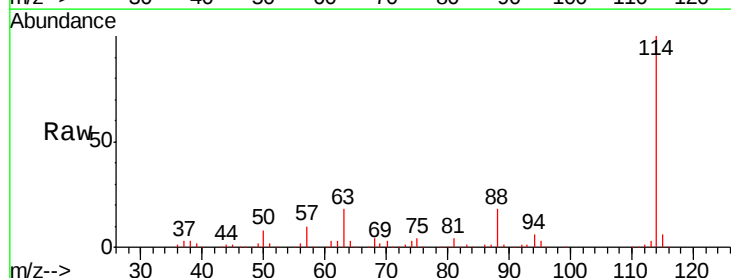
Tgt Ion: 114 Resp: 2051037

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.2

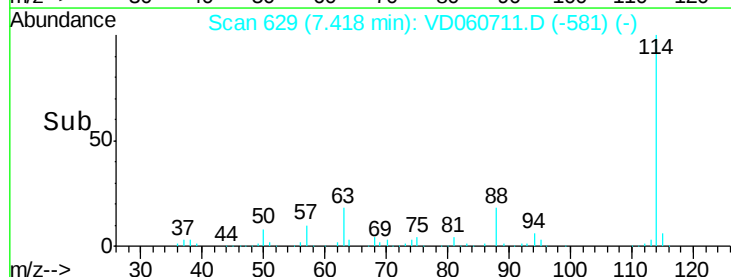
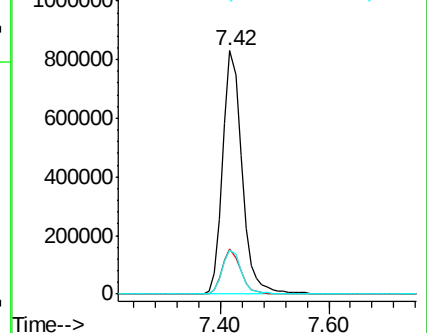
88 17.9 0.0 37.0

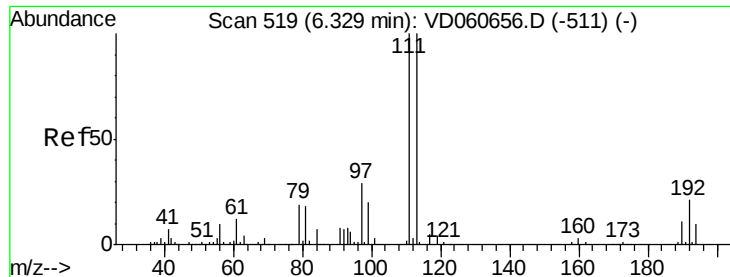


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

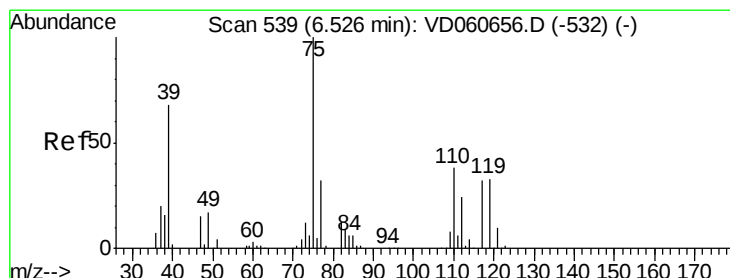
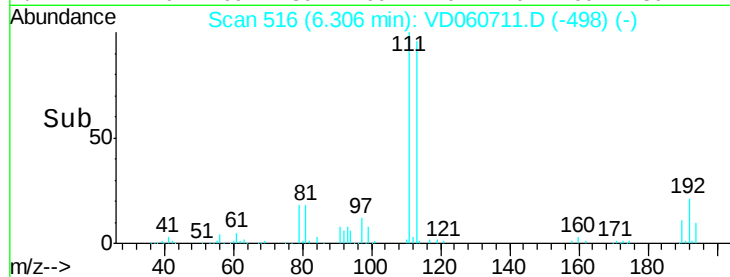
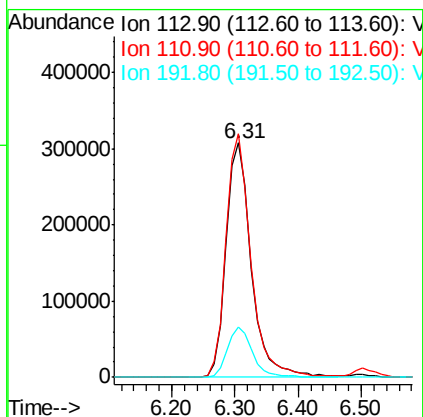
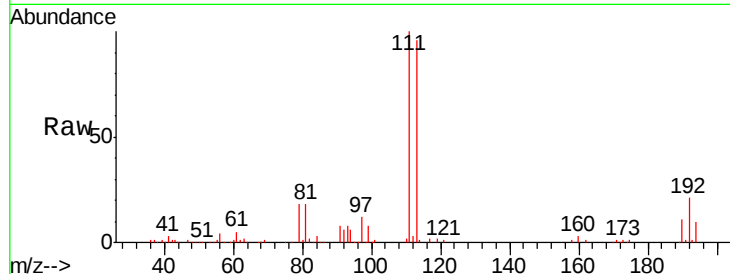




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.31 min Scan# 516  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

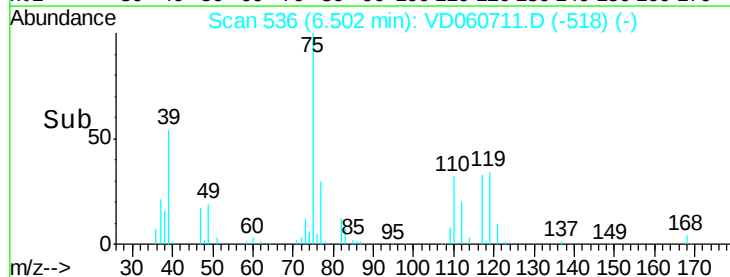
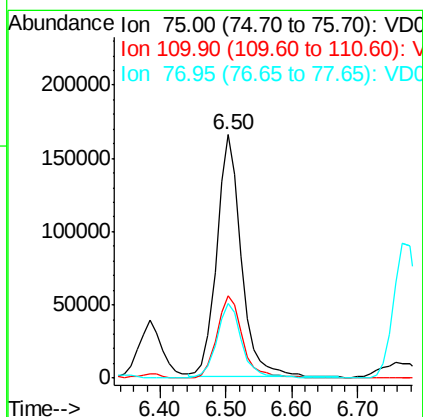
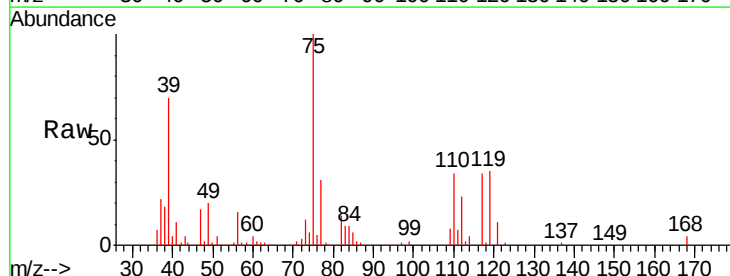
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

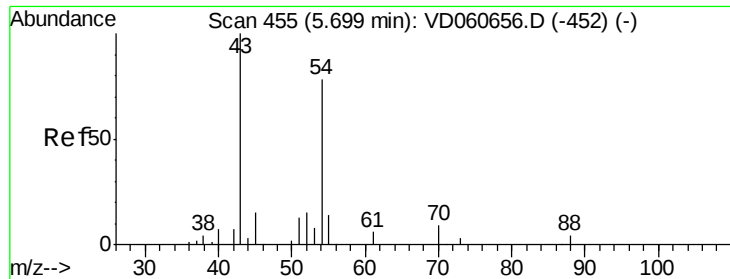
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.8 | 80.0  | 120.0 |
| 192     | 21.5  | 16.6  | 25.0  |



#36  
 1,1-Dichloropropene  
 Concen: 20.348 ug/l  
 RT: 6.50 min Scan# 536  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 33.9  | 18.9  | 56.7  |
| 77      | 30.5  | 25.4  | 38.0  |

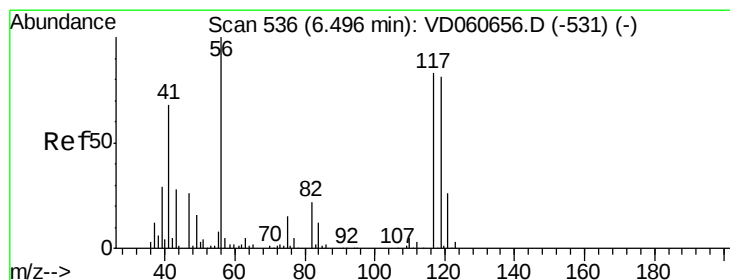
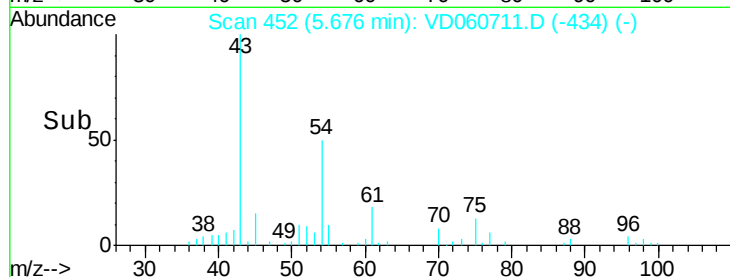
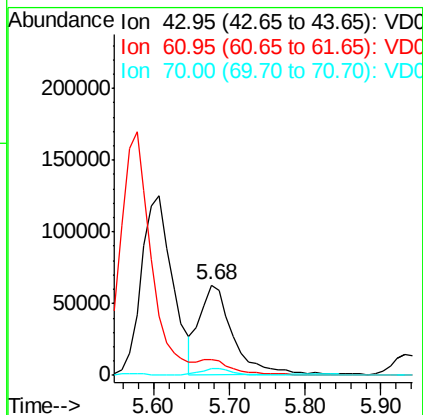
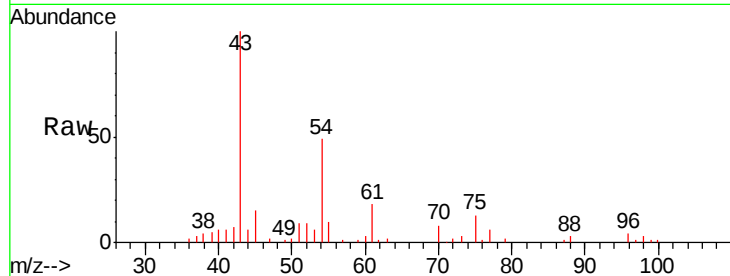




#37  
Ethyl Acetate  
Concen: 21.082 ug/l  
RT: 5.68 min Scan# 452  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

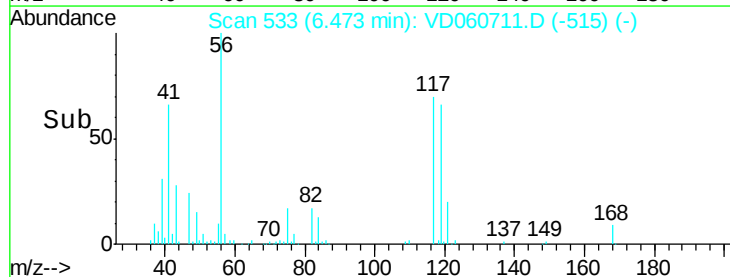
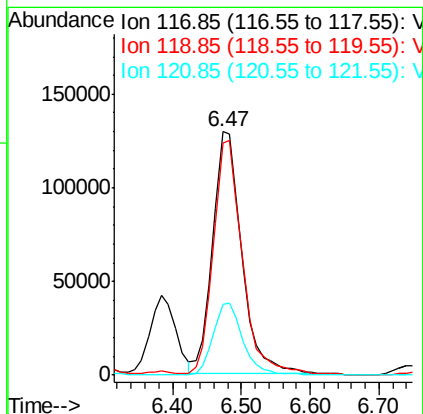
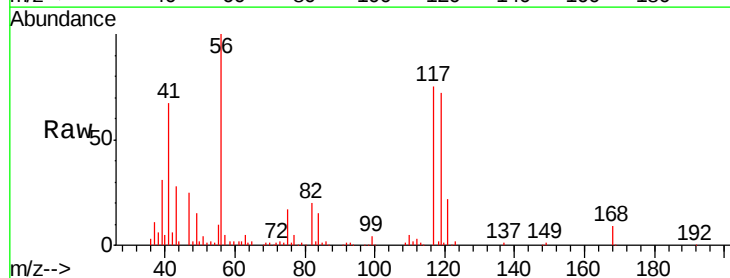
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

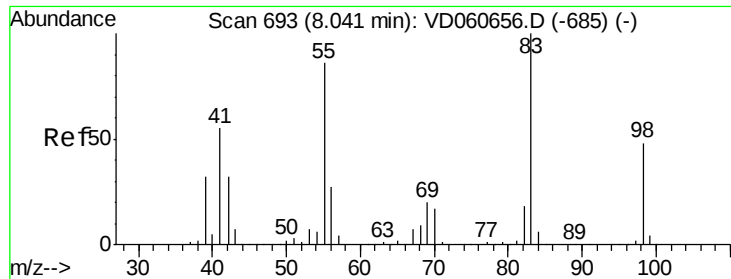
Tgt Ion: 43 Resp: 186213  
Ion Ratio Lower Upper  
43 100  
61 18.0 11.8 17.6#  
70 8.2 5.8 8.6



#38  
Carbon Tetrachloride  
Concen: 20.462 ug/l  
RT: 6.47 min Scan# 533  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Tgt Ion: 117 Resp: 381251  
Ion Ratio Lower Upper  
117 100  
119 95.2 77.0 115.4  
121 28.9 24.7 37.1

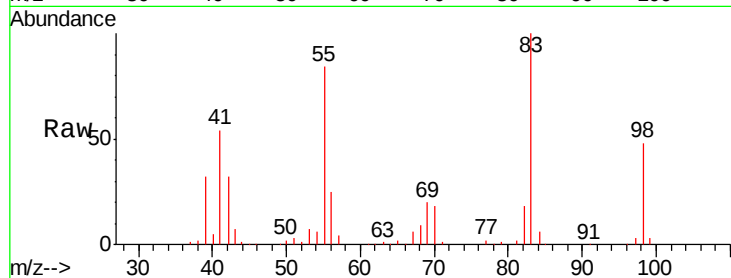




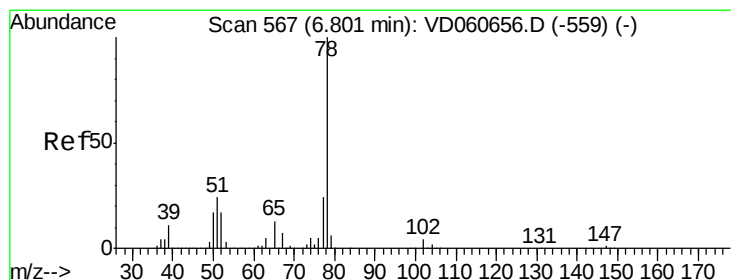
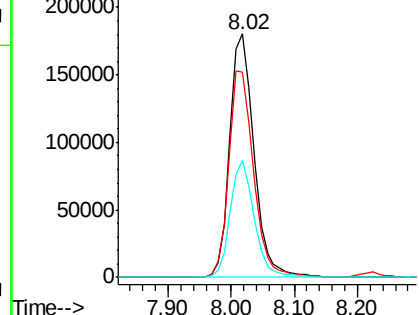
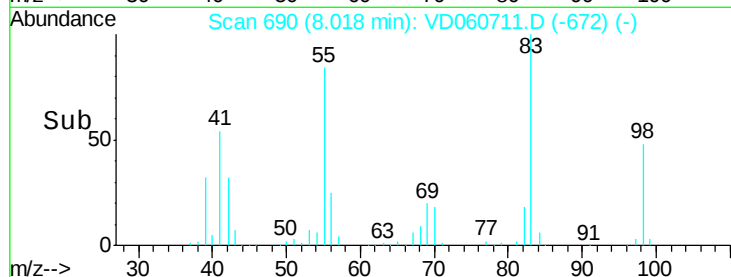
#39  
Methylcyclohexane  
Concen: 20.020 ug/l  
RT: 8.02 min Scan# 690  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

Tgt Ion: 83 Resp: 482241  
Ion Ratio Lower Upper  
83 100  
55 84.2 68.6 102.8  
98 48.3 38.1 57.1

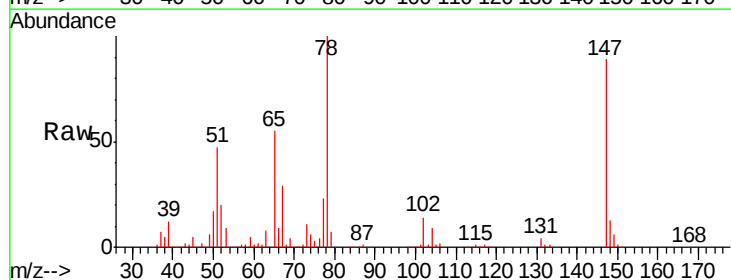


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

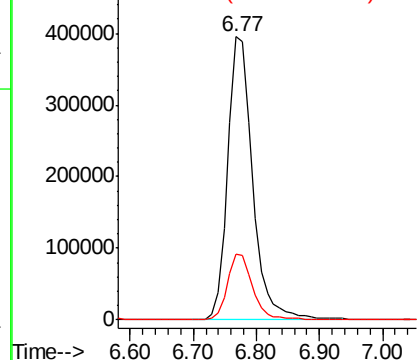
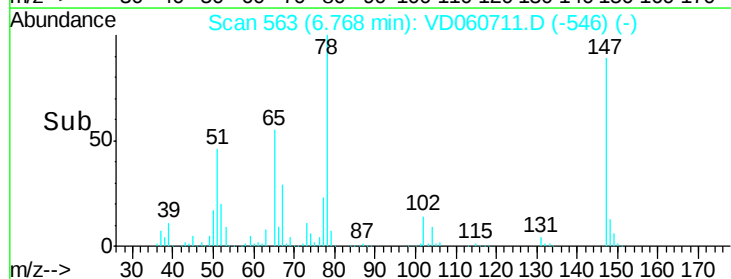


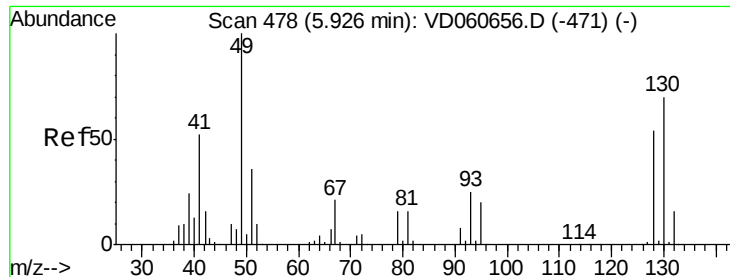
#40  
Benzene  
Concen: 19.971 ug/l  
RT: 6.77 min Scan# 563  
Delta R.T. -0.03 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Tgt Ion: 78 Resp: 1089504  
Ion Ratio Lower Upper  
78 100  
77 23.3 19.2 28.8



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





#41

Methacrylonitrile

Concen: 42.879 ug/l

RT: 5.92 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1226SBS01

Tgt Ion: 41 Resp: 209498

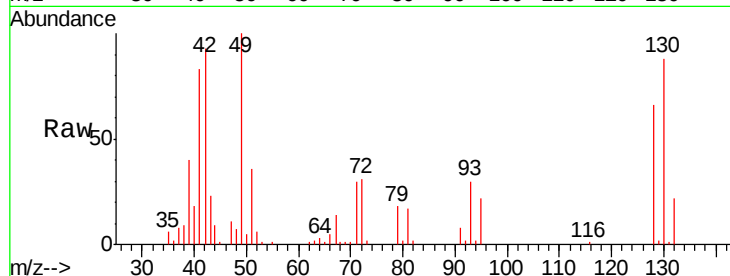
Ion Ratio Lower Upper

41 100

39 47.9 37.6 56.4

67 16.6 33.0 49.6#

52 7.6 15.5 23.3#

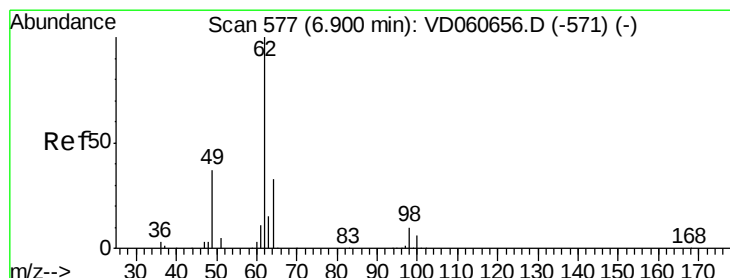
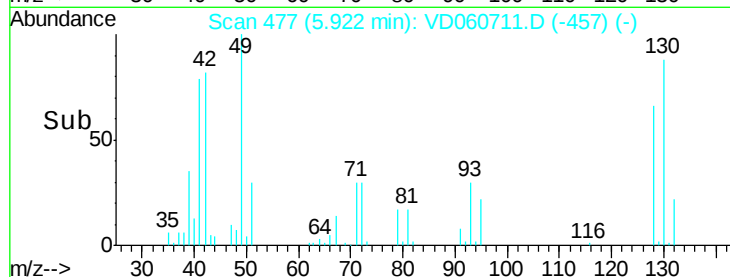
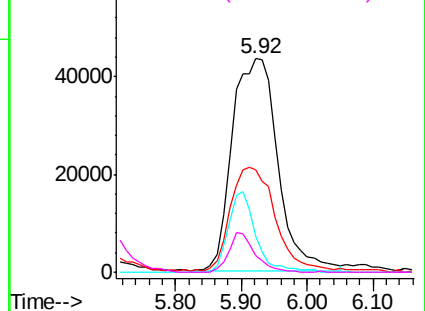


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.520 ug/l

RT: 6.87 min Scan# 573

Delta R.T. -0.03 min

Lab File: VD060711.D

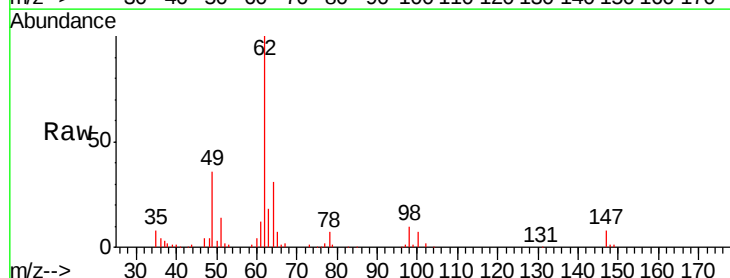
Acq: 26 Dec 2018 11:43

Tgt Ion: 62 Resp: 277803

Ion Ratio Lower Upper

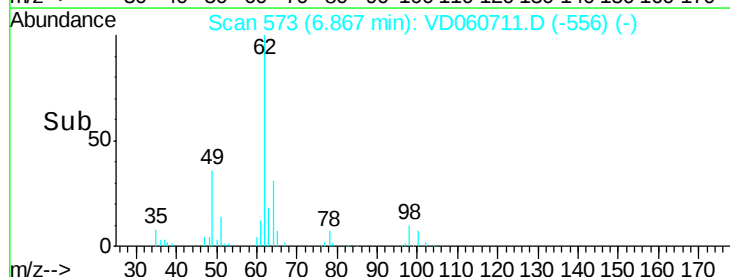
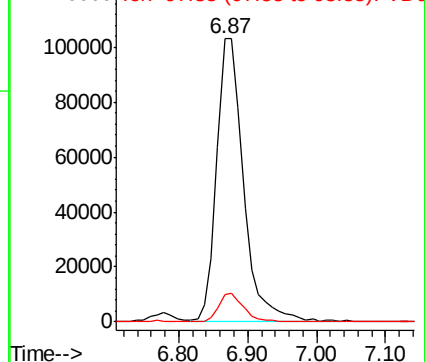
62 100

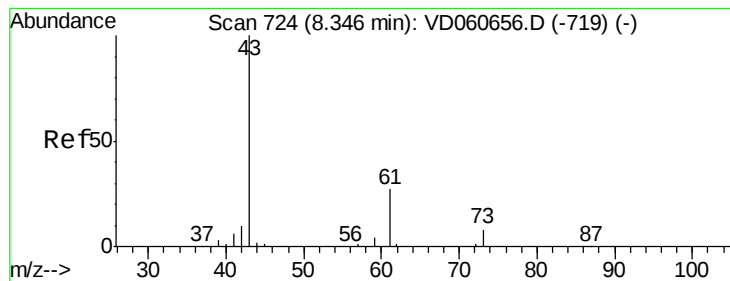
98 9.9 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.547 ug/l

RT: 8.32 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1226SBS01

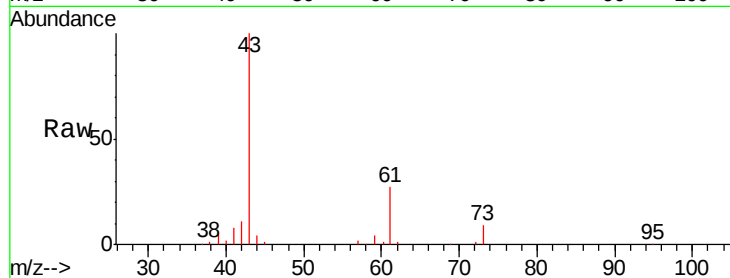
Tgt Ion: 43 Resp: 221567

Ion Ratio Lower Upper

43 100

61 27.0 21.8 32.8

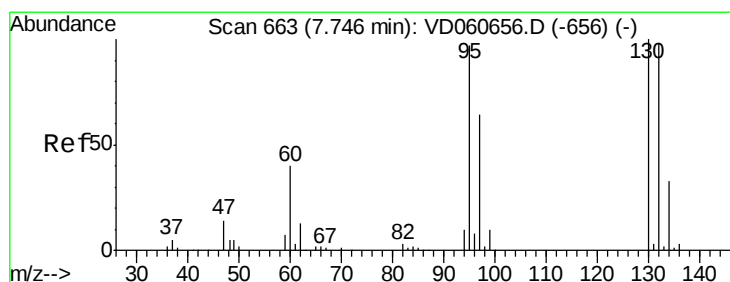
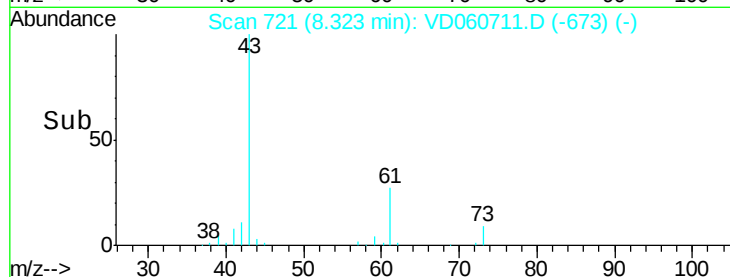
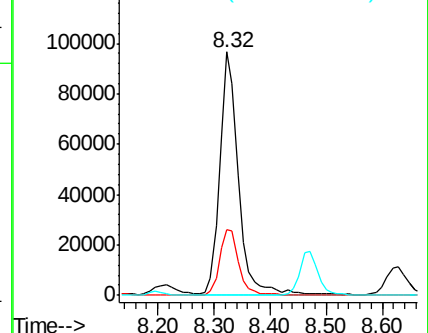
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.004 ug/l

RT: 7.72 min Scan# 660

Delta R.T. -0.02 min

Lab File: VD060711.D

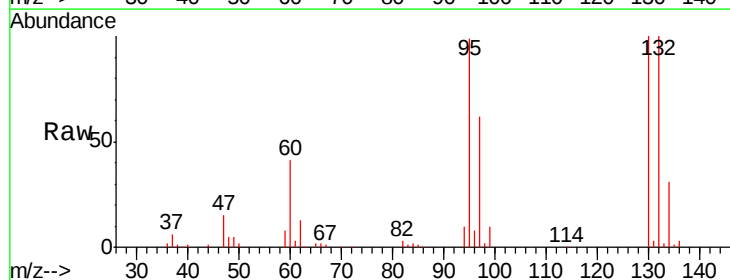
Acq: 26 Dec 2018 11:43

Tgt Ion: 130 Resp: 323006

Ion Ratio Lower Upper

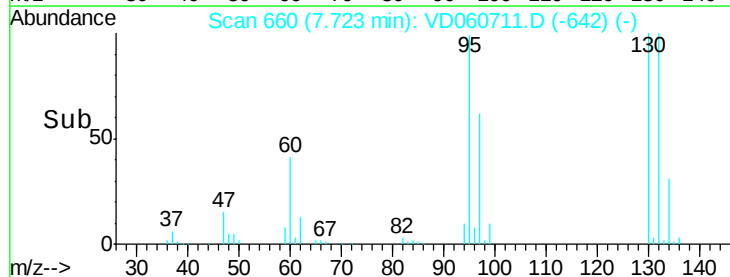
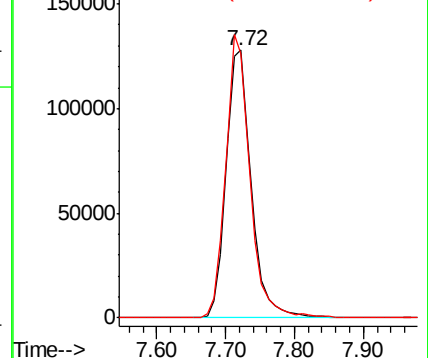
130 100

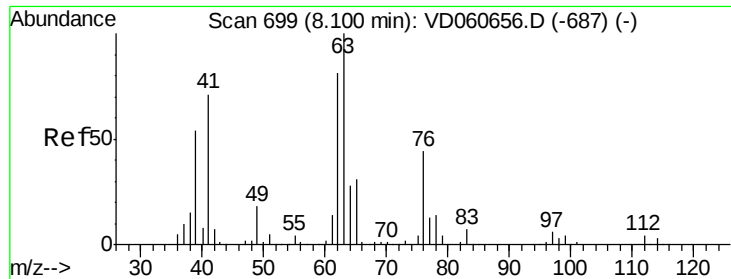
95 98.8 0.0 193.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.567 ug/l

RT: 8.08 min Scan# 696

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

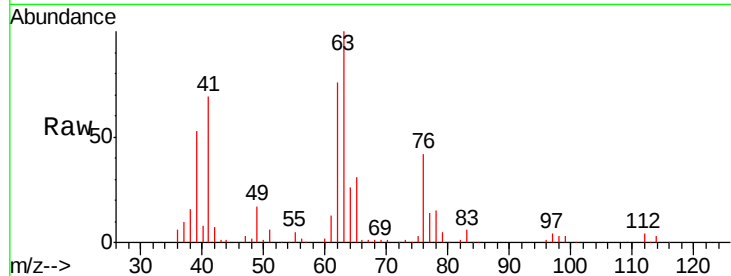
VD1226SBS01

Tgt Ion: 63 Resp: 275165

Ion Ratio Lower Upper

63 100

65 31.3 25.0 37.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.08

120000

100000

80000

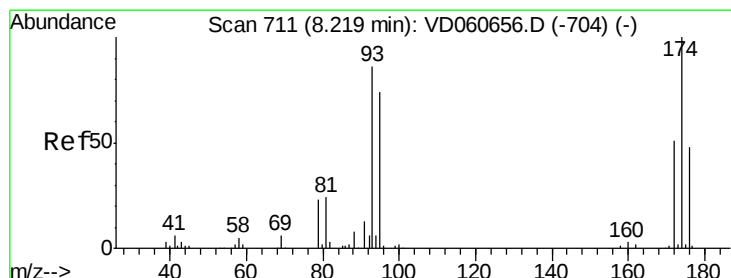
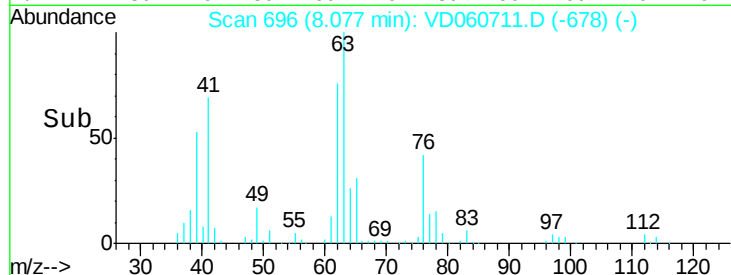
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 20.491 ug/l

RT: 8.20 min Scan# 708

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

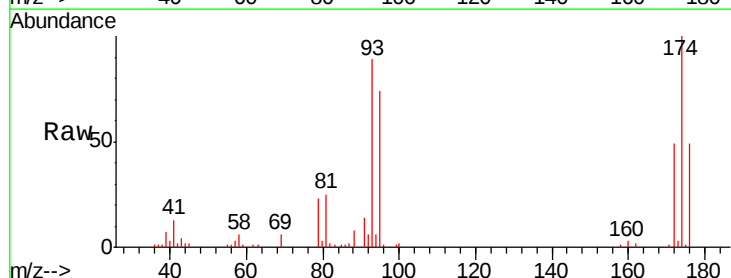
Tgt Ion: 93 Resp: 156466

Ion Ratio Lower Upper

93 100

95 83.0 68.8 103.2

174 111.8 93.0 139.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

80000

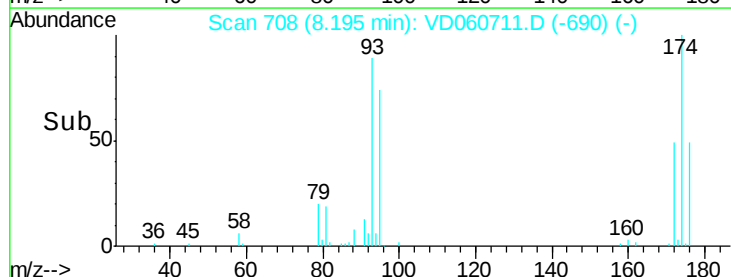
60000

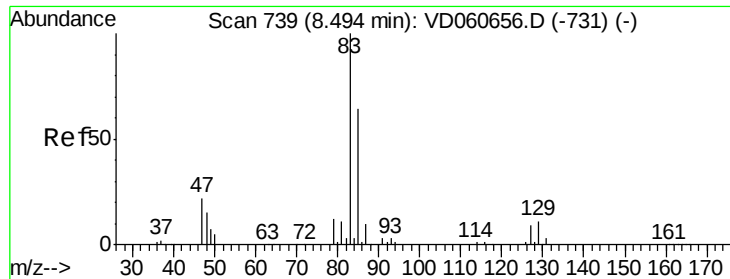
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 20.459 ug/l

RT: 8.47 min Scan# 736

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1226SBS01

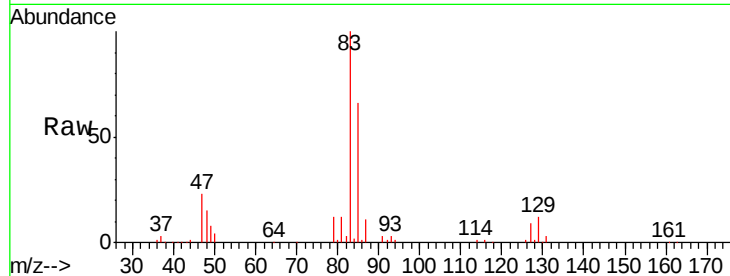
Tgt Ion: 83 Resp: 370002

Ion Ratio Lower Upper

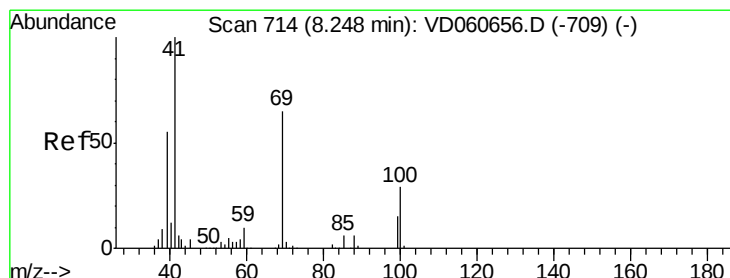
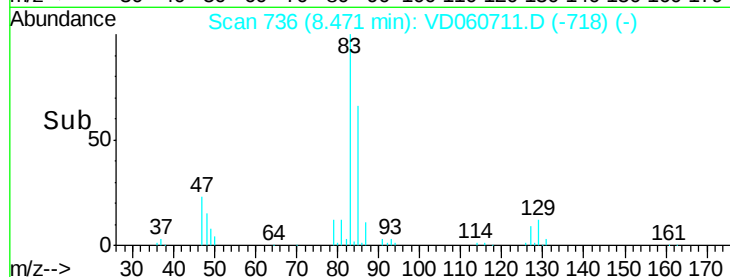
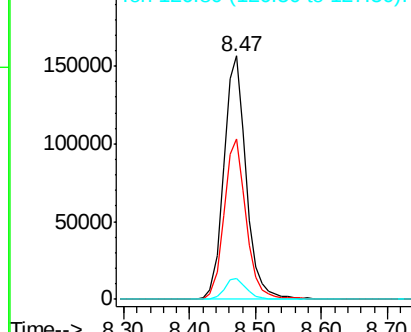
83 100

85 66.0 51.1 76.7

127 8.7 7.0 10.6



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



#48

Methyl methacrylate

Concen: 19.897 ug/l

RT: 8.22 min Scan# 711

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

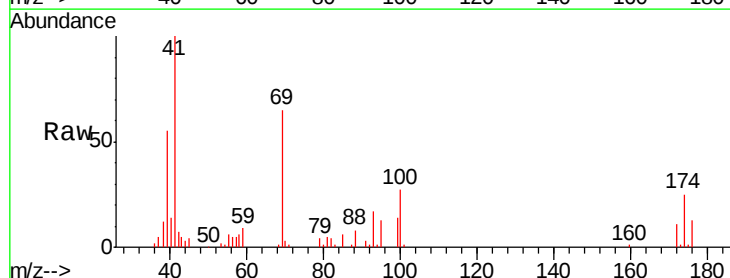
Tgt Ion: 41 Resp: 136984

Ion Ratio Lower Upper

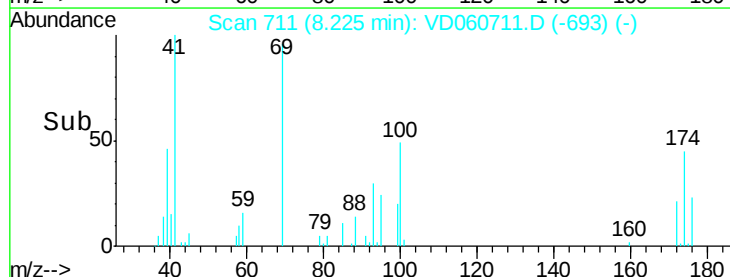
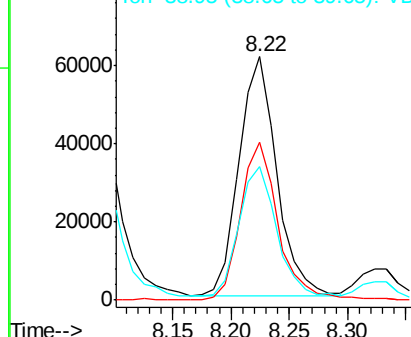
41 100

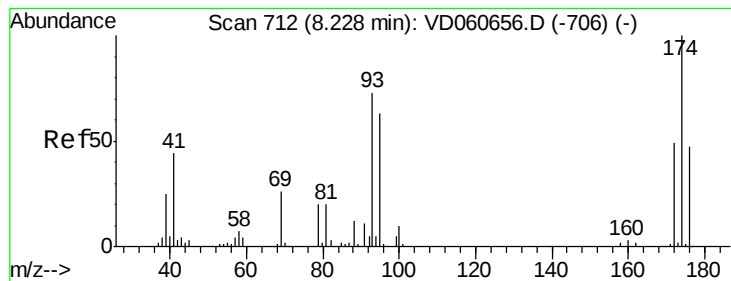
69 64.8 51.2 76.8

39 54.9 44.6 67.0



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

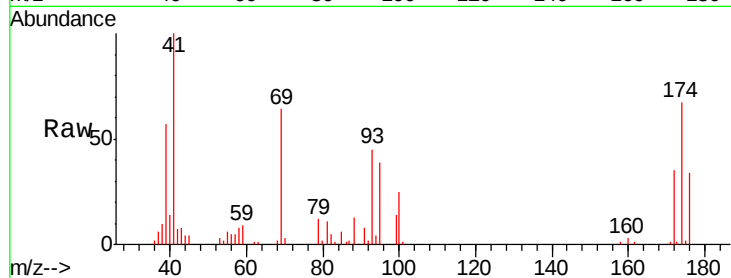




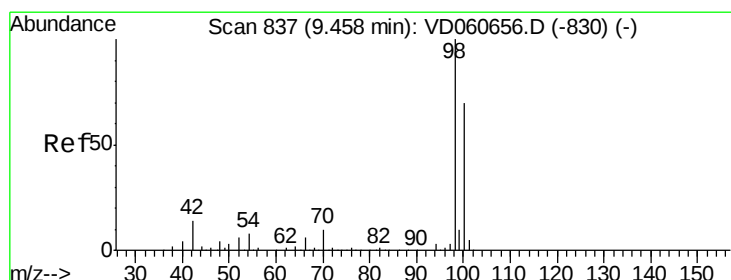
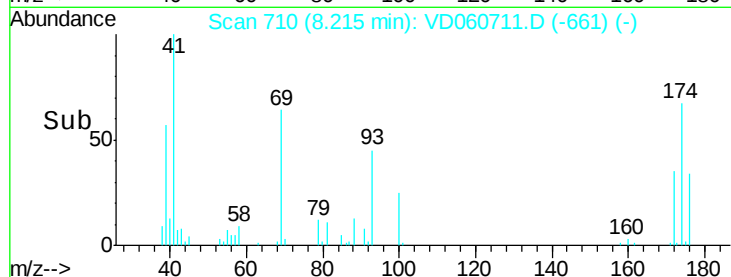
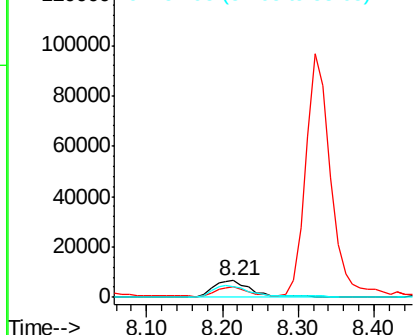
#49  
 1,4-Dioxane  
 Concen: 372.711 ug/l  
 RT: 8.21 min Scan# 710  
 Delta R.T. -0.01 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

Tgt Ion: 88 Resp: 23858  
 Ion Ratio Lower Upper  
 88 100  
 43 64.8 31.5 47.3#  
 58 66.4 50.6 76.0

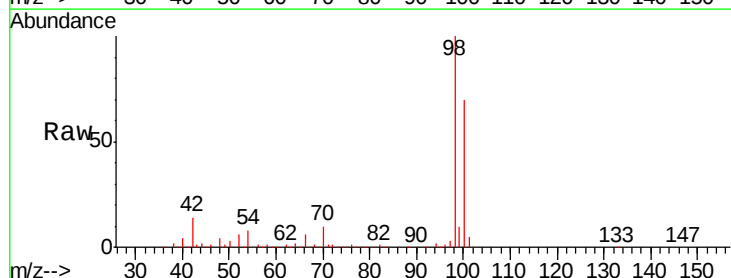


Abundance Ion 88.00 (87.70 to 88.70): VDC  
 Ion 43.05 (42.75 to 43.75): VDC  
 Ion 57.95 (57.65 to 58.65): VDC

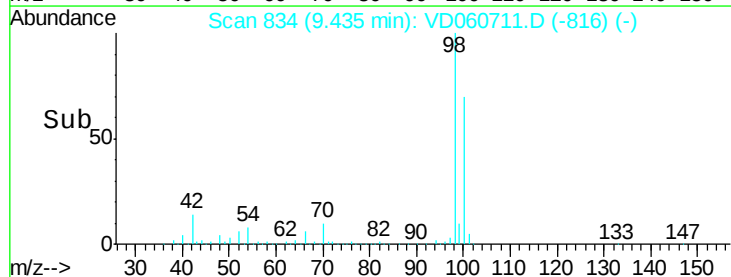
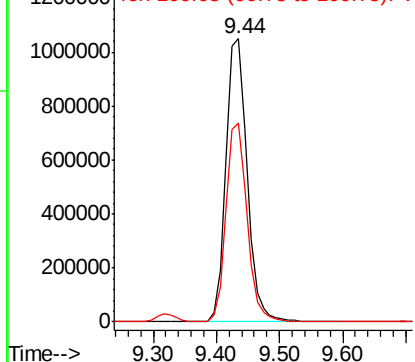


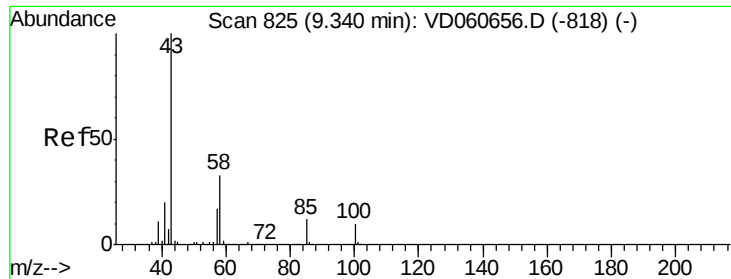
#50  
 Toluene-d8  
 Concen: 372.711 ug/l  
 RT: 9.44 min Scan# 834  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Tgt Ion: 98 Resp: 2441729  
 Ion Ratio Lower Upper  
 98 100  
 100 70.4 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): VDC  
 Ion 100.05 (99.75 to 100.75): VDC

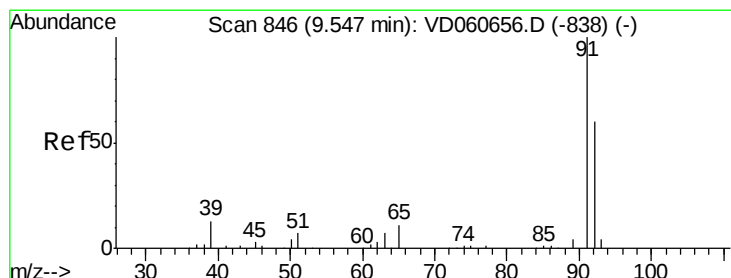
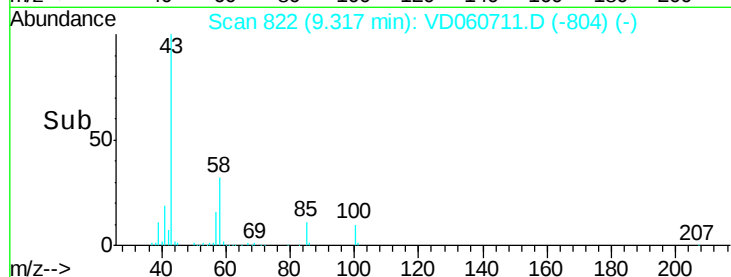
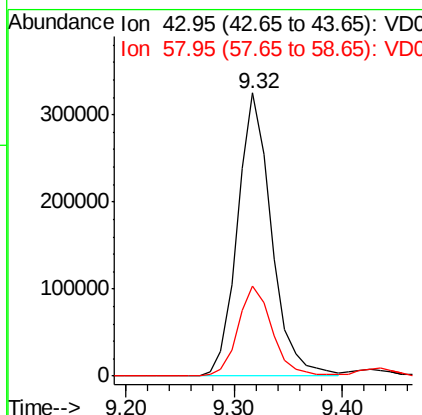
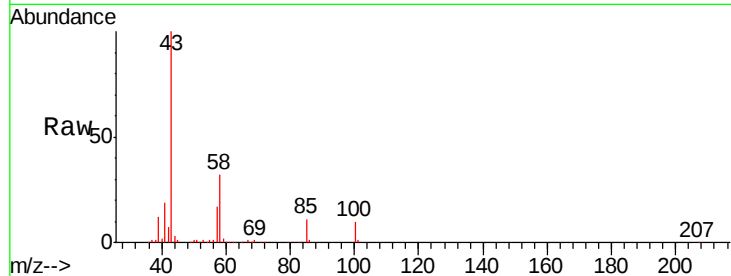




#51  
 4-Methyl-2-Pentanone  
 Concen: 102.325 ug/l  
 RT: 9.32 min Scan# 822  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

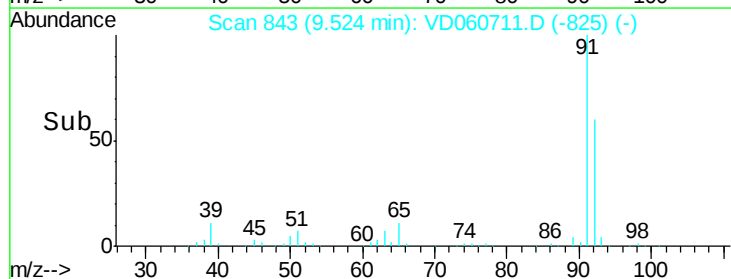
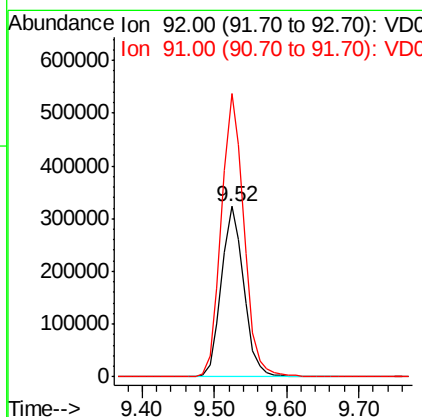
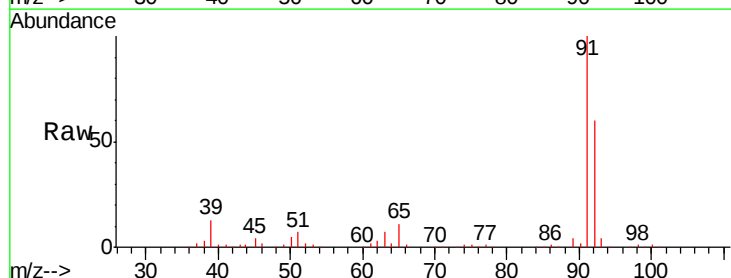
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

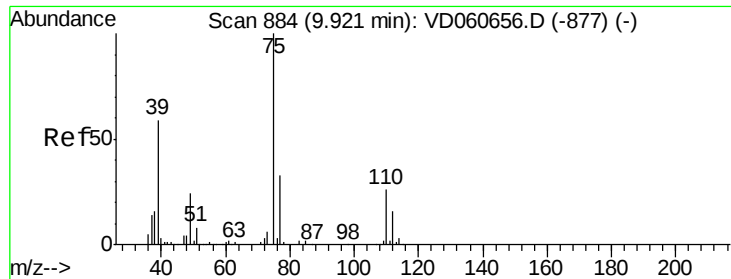
Tgt Ion: 43 Resp: 710622  
 Ion Ratio Lower Upper  
 43 100  
 58 32.0 26.3 39.5



#52  
 Toluene  
 Concen: 20.377 ug/l  
 RT: 9.52 min Scan# 843  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Tgt Ion: 92 Resp: 696887  
 Ion Ratio Lower Upper  
 92 100  
 91 165.9 132.6 199.0

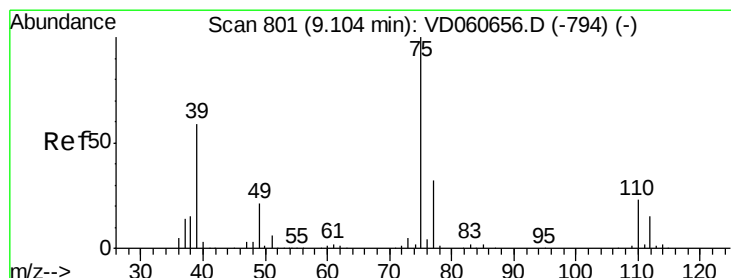
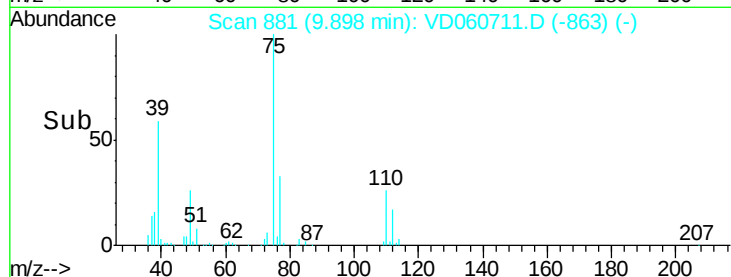
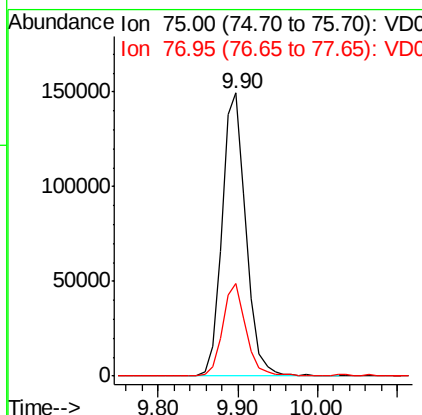
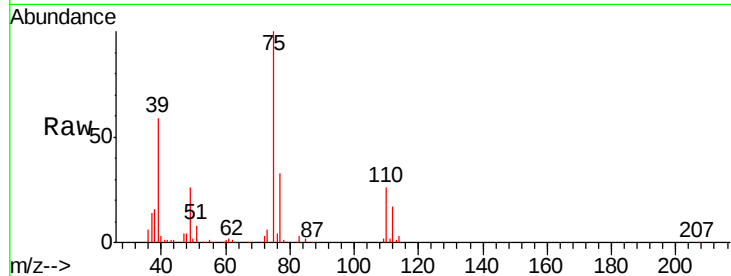




#53  
 t-1,3-Dichloropropene  
 Concen: 20.848 ug/l  
 RT: 9.90 min Scan# 881  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

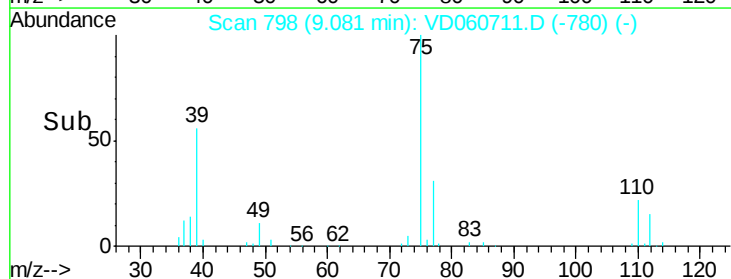
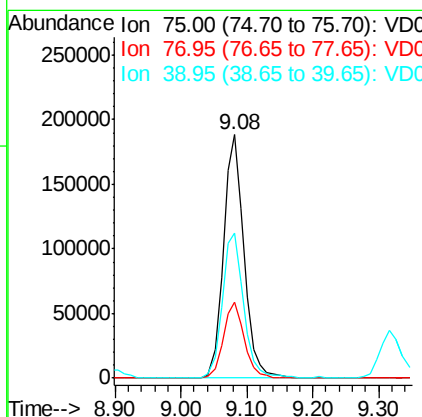
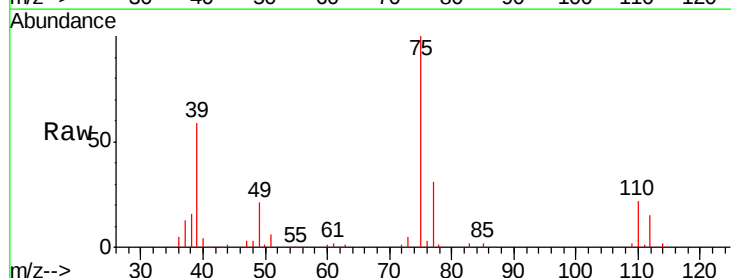
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

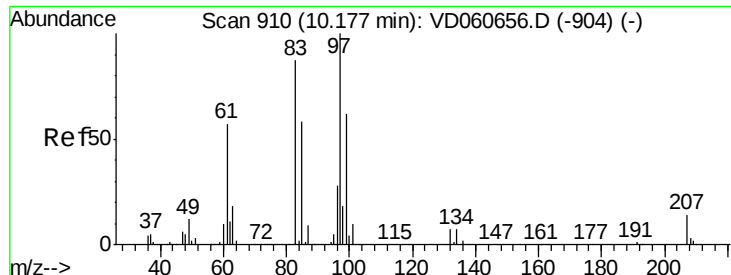
Tgt Ion: 75 Resp: 314561  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 26.0 39.0



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.714 ug/l  
 RT: 9.08 min Scan# 798  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Tgt Ion: 75 Resp: 409083  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.4 38.2  
 39 59.4 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 20.917 ug/l

RT: 10.16 min Scan# 908

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

VD1226SBS01

Tgt Ion: 97 Resp: 192475

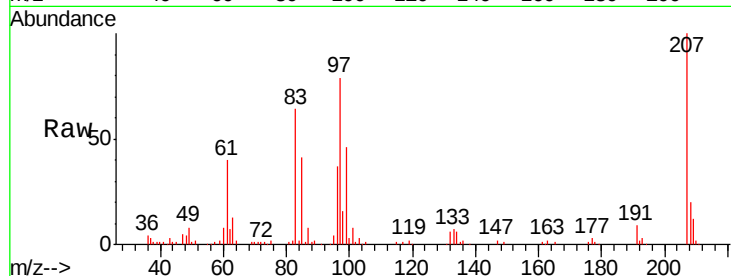
Ion Ratio Lower Upper

97 100

83 81.1 70.0 105.0

85 52.1 46.6 70.0

99 57.8 49.6 74.4

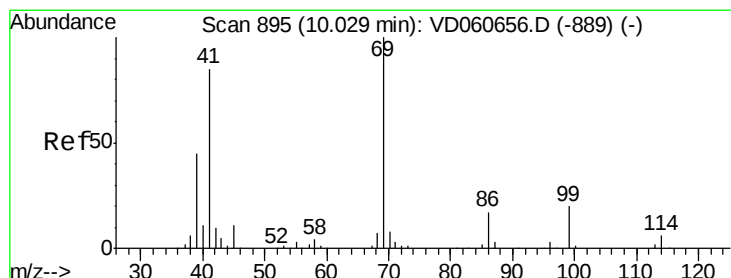
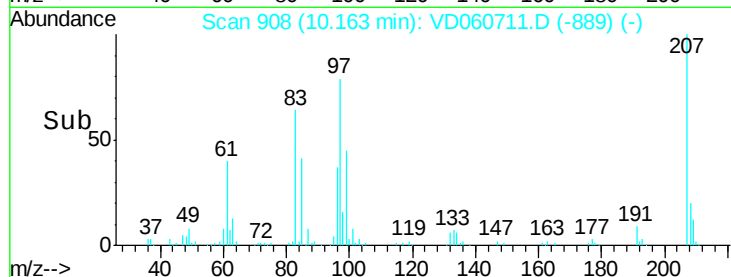
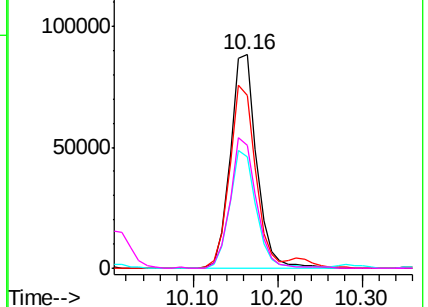


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.139 ug/l

RT: 10.01 min Scan# 892

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

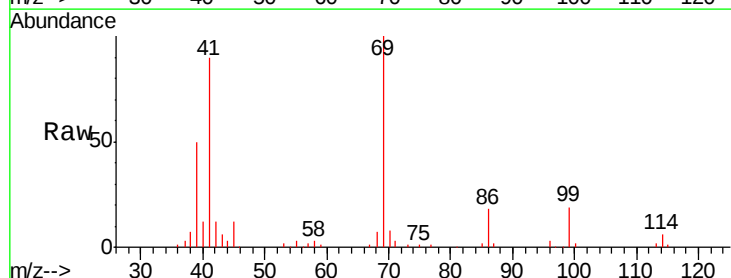
Tgt Ion: 69 Resp: 172127

Ion Ratio Lower Upper

69 100

41 89.9 68.3 102.5

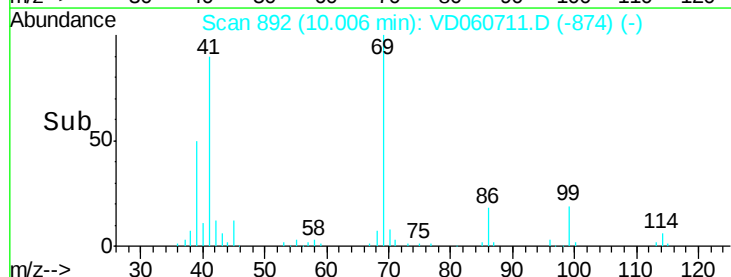
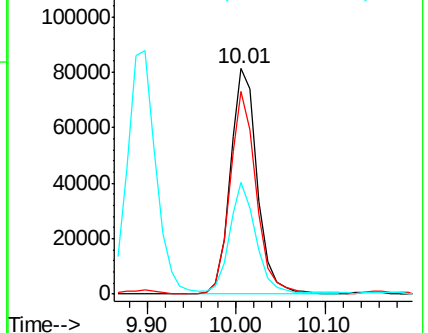
39 49.8 37.2 55.8

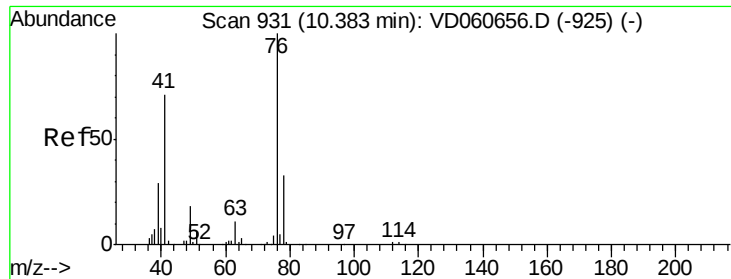


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

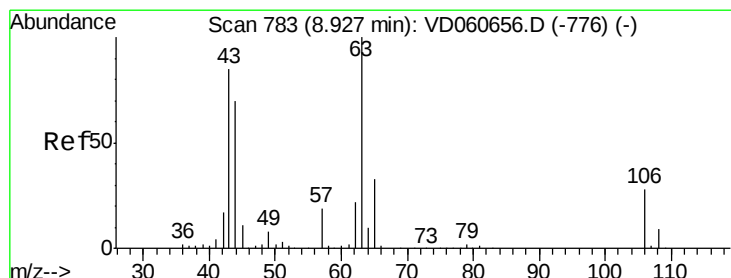
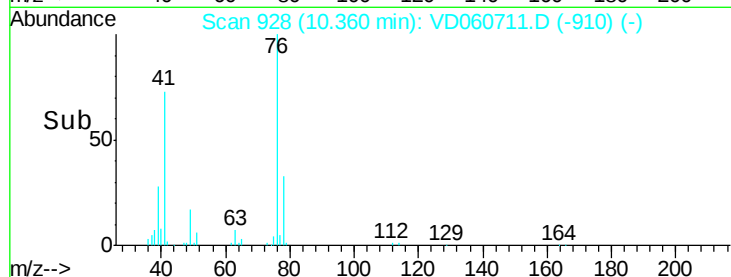
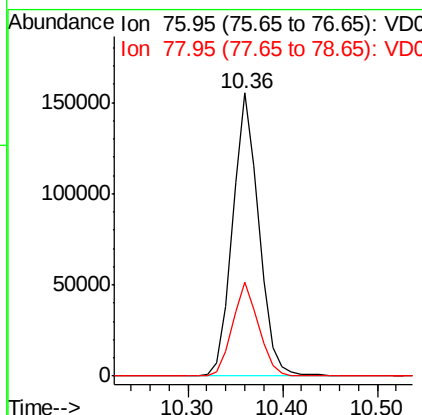
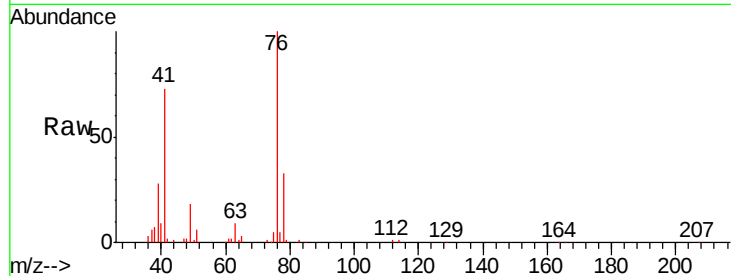




#57  
 1,3-Dichloropropane  
 Concen: 20.259 ug/l  
 RT: 10.36 min Scan# 928  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

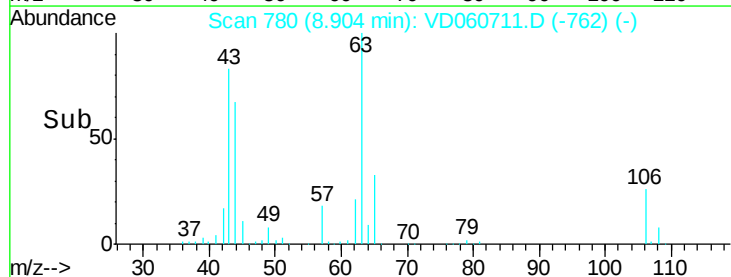
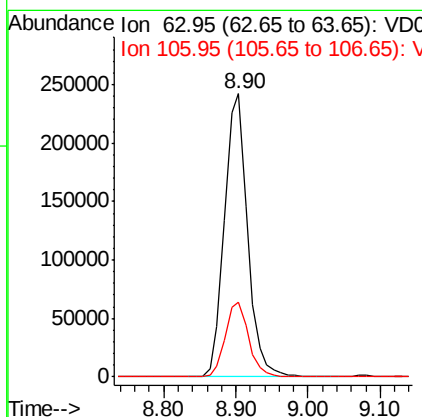
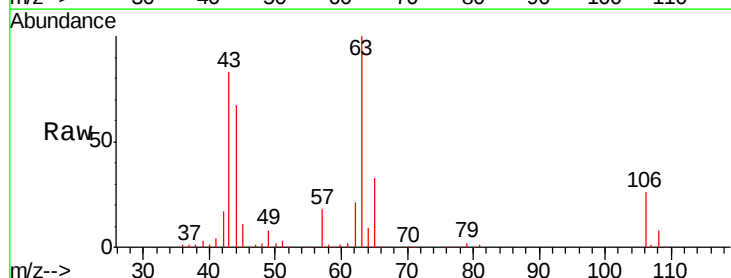
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1226SBS01

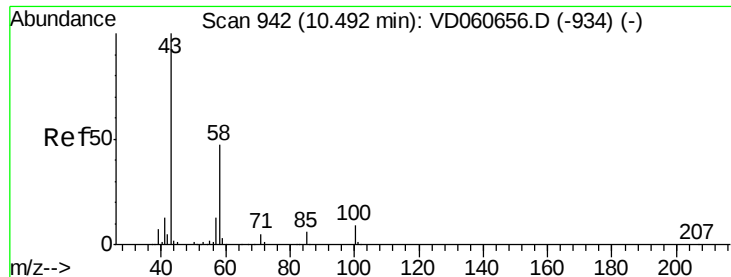
Tgt Ion: 76 Resp: 295486  
 Ion Ratio Lower Upper  
 76 100  
 78 33.3 26.1 39.1



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 107.016 ug/l  
 RT: 8.90 min Scan# 780  
 Delta R.T. -0.02 min  
 Lab File: VD060711.D  
 Acq: 26 Dec 2018 11:43

Tgt Ion: 63 Resp: 538933  
 Ion Ratio Lower Upper  
 63 100  
 106 26.2 22.4 33.6

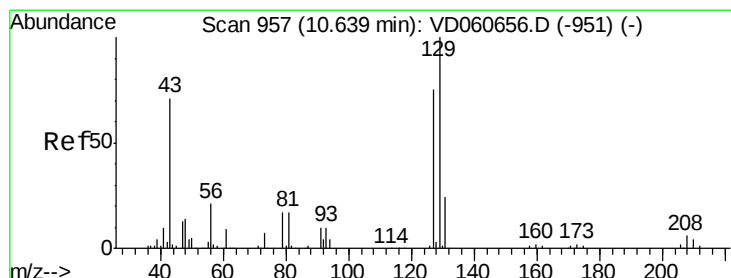
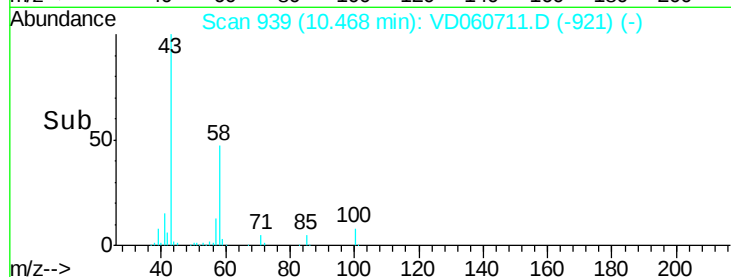
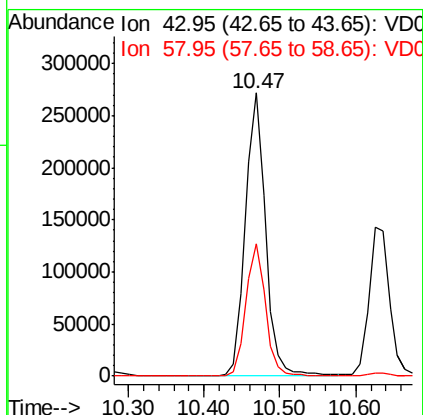
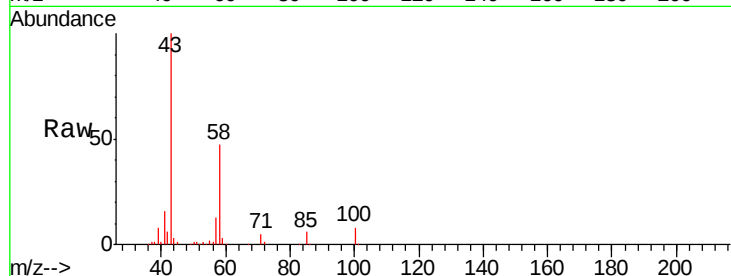




#59  
2-Hexanone  
Concen: 103.812 ug/l  
RT: 10.47 min Scan# 939  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

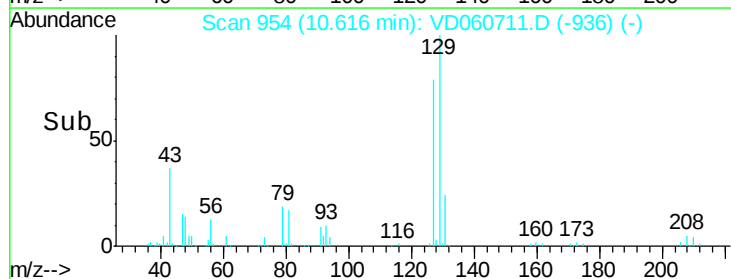
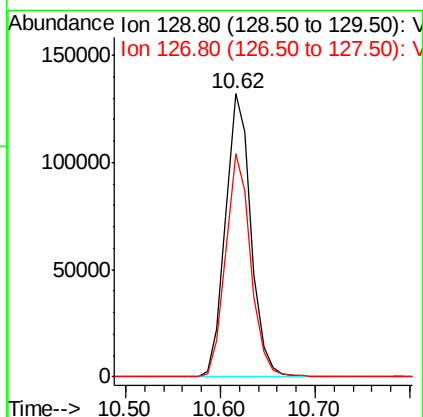
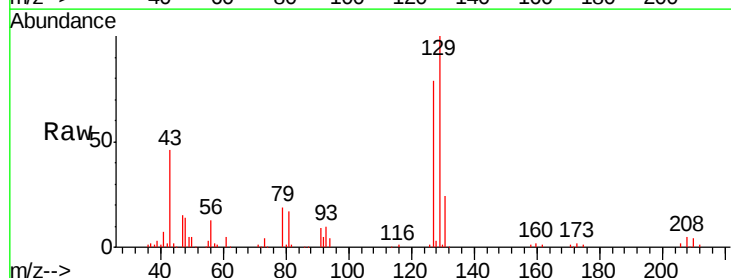
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

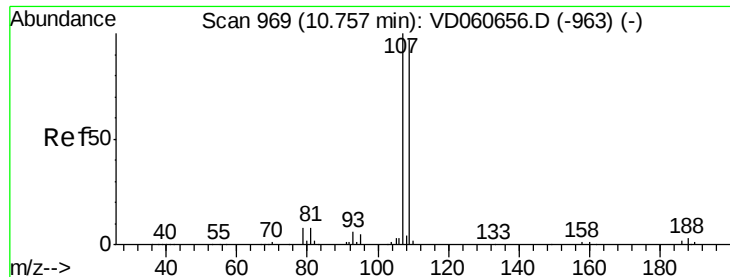
Tgt Ion: 43 Resp: 504638  
Ion Ratio Lower Upper  
43 100  
58 46.7 23.5 70.5



#60  
Dibromochloromethane  
Concen: 20.952 ug/l  
RT: 10.62 min Scan# 954  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Tgt Ion: 129 Resp: 245572  
Ion Ratio Lower Upper  
129 100  
127 78.9 37.6 112.9





#61

1,2-Dibromoethane

Concen: 20.543 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA\_D

ClientSampleId :

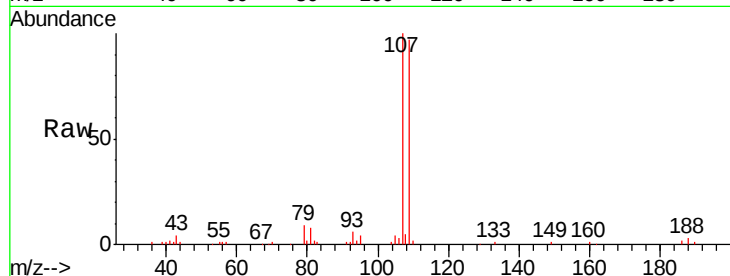
VD1226SBS01

Tgt Ion: 107 Resp: 196068

Ion Ratio Lower Upper

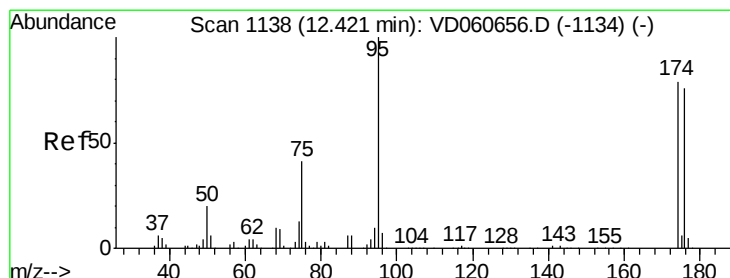
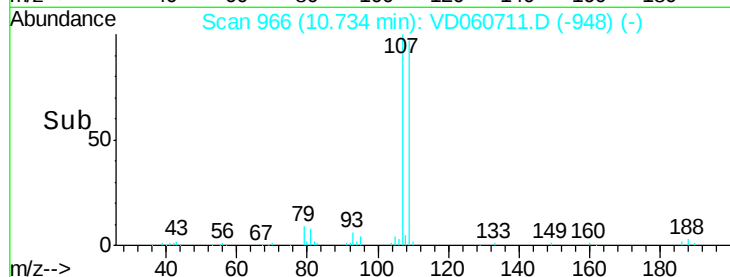
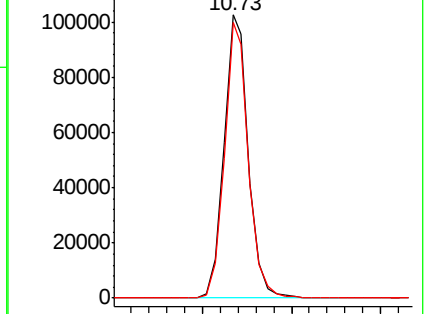
107 100

109 97.2 78.0 117.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.543 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

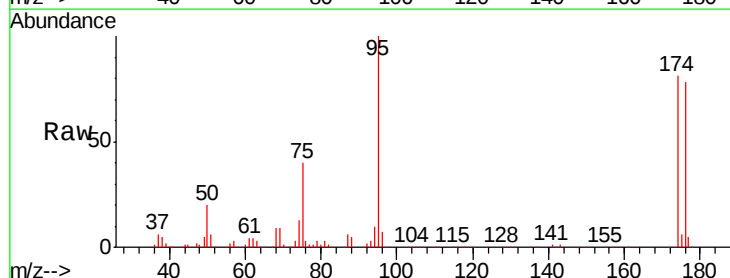
Tgt Ion: 95 Resp: 873522

Ion Ratio Lower Upper

95 100

174 81.3 0.0 158.2

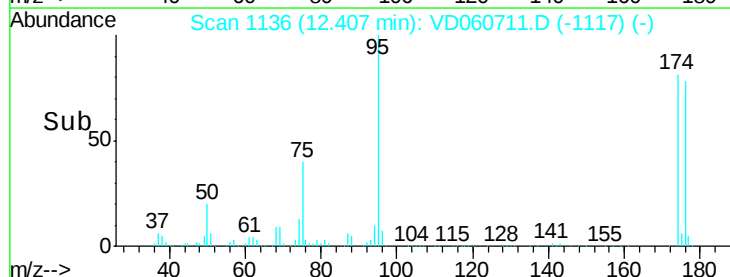
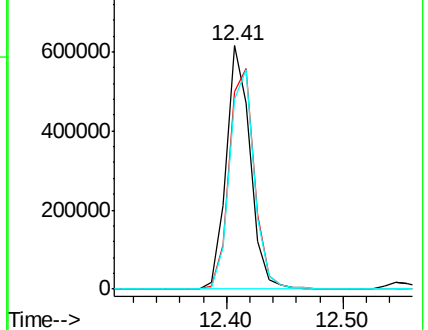
176 78.1 0.0 152.4

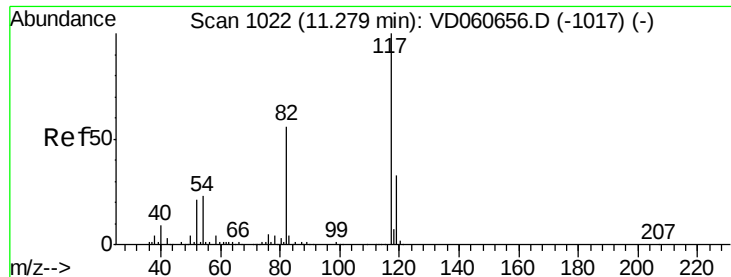


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

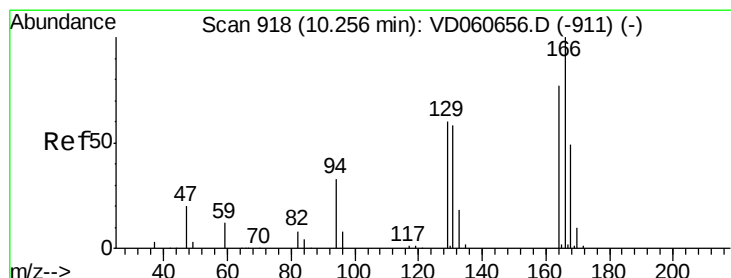
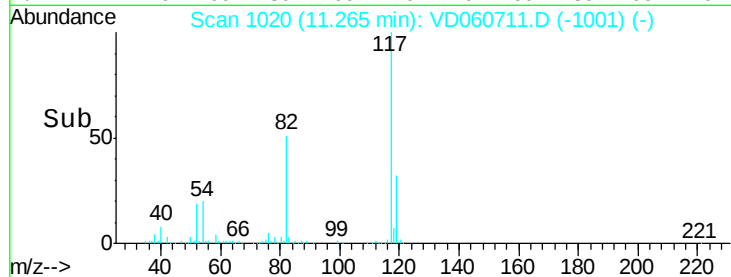
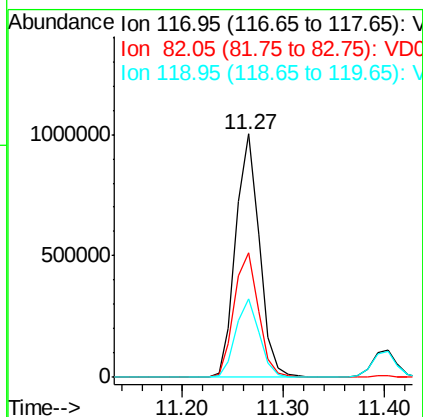
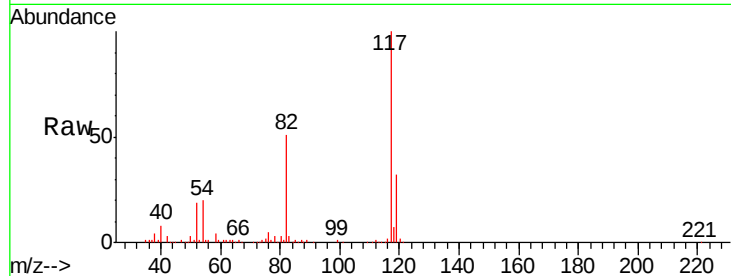




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.27 min Scan# 1020  
Delta R.T. -0.01 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

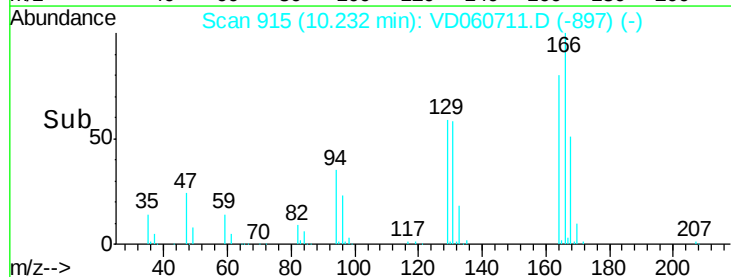
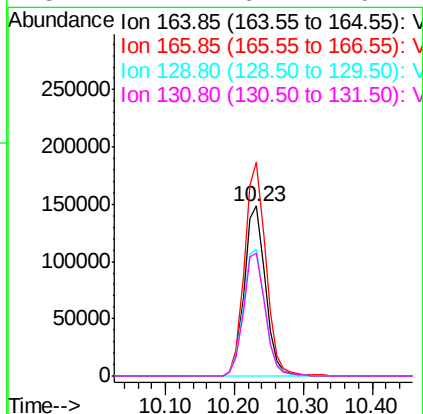
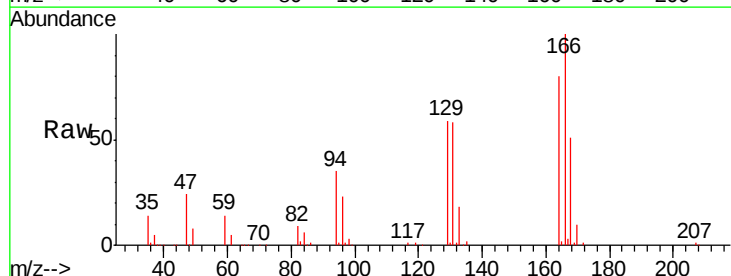
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

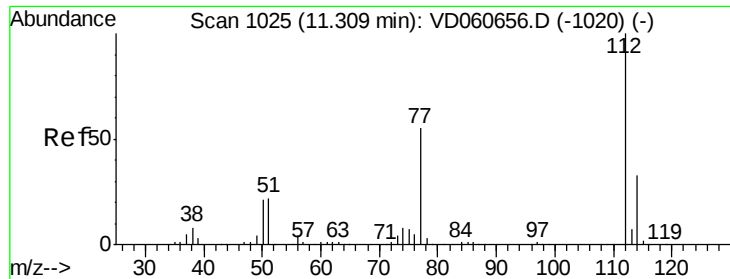
Tgt Ion:117 Resp: 1627861  
Ion Ratio Lower Upper  
117 100  
82 51.3 44.5 66.7  
119 32.1 26.3 39.5



#64  
Tetrachloroethene  
Concen: 21.343 ug/l  
RT: 10.23 min Scan# 915  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Tgt Ion:164 Resp: 314907  
Ion Ratio Lower Upper  
164 100  
166 125.5 104.4 156.6  
129 74.4 62.7 94.1  
131 72.2 61.1 91.7

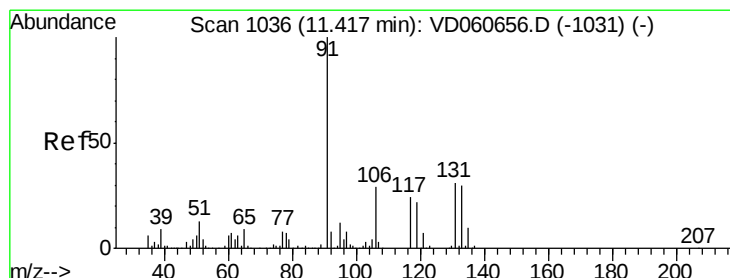
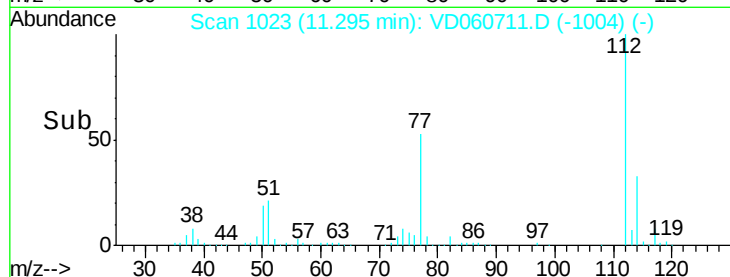
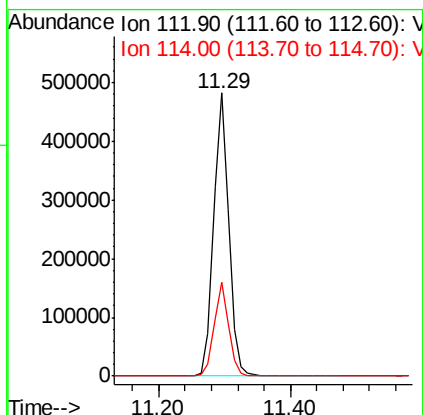
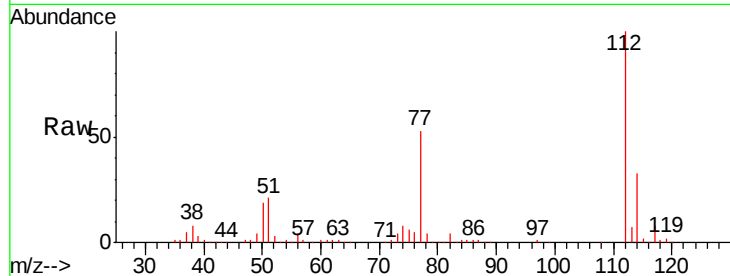




#65  
Chlorobenzene  
Concen: 21.053 ug/l  
RT: 11.29 min Scan# 1023  
Delta R.T. -0.01 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

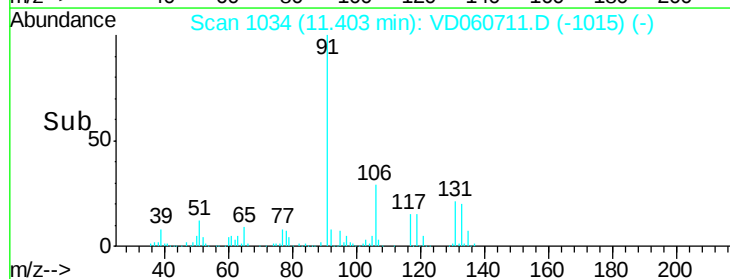
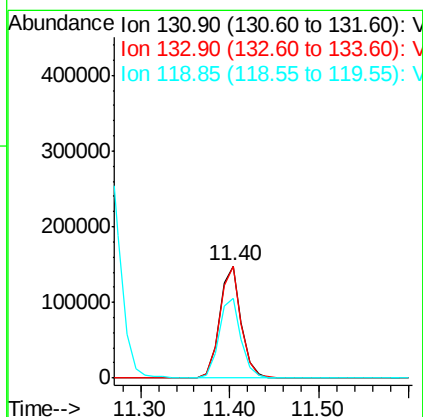
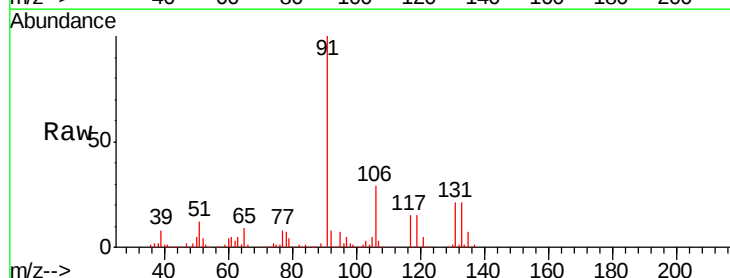
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

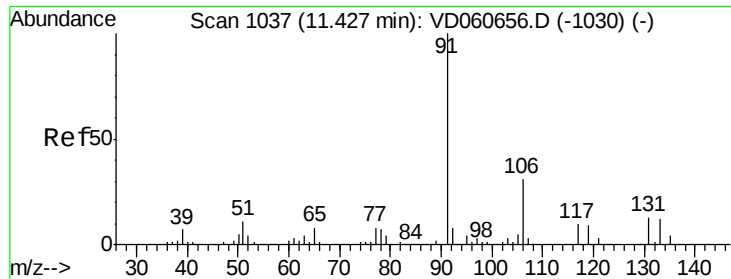
Tgt Ion:112 Resp: 757189  
Ion Ratio Lower Upper  
112 100  
114 33.1 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.618 ug/l  
RT: 11.40 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Tgt Ion:131 Resp: 249992  
Ion Ratio Lower Upper  
131 100  
133 99.1 49.1 147.3  
119 70.9 36.6 109.8

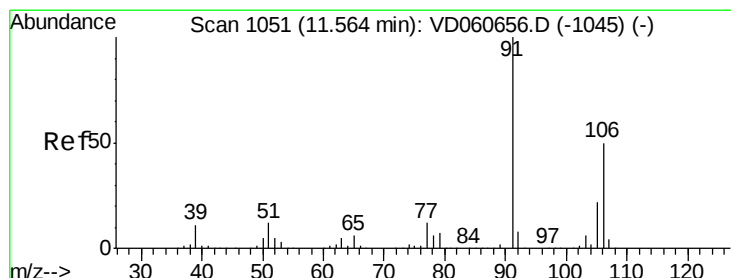
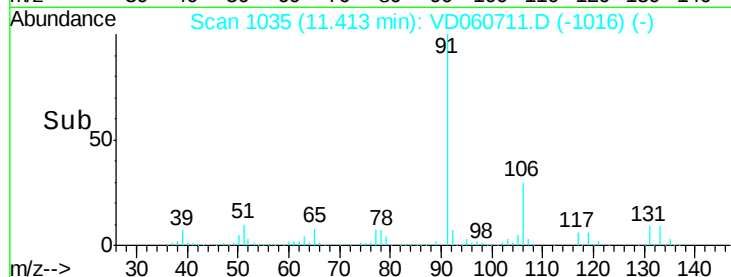
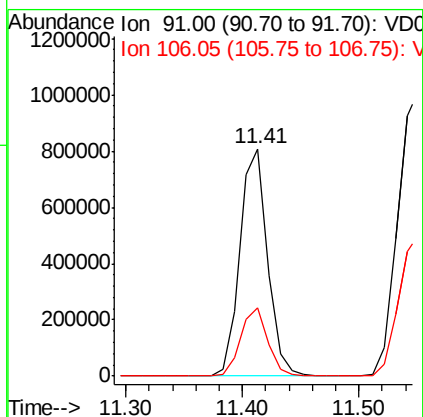
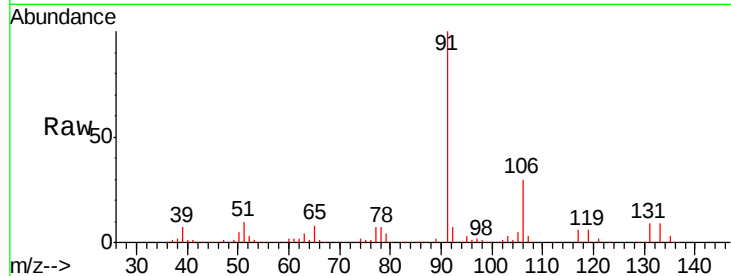




#67  
Ethyl Benzene  
Concen: 21.583 ug/l  
RT: 11.41 min Scan# 1035  
Delta R.T. -0.01 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

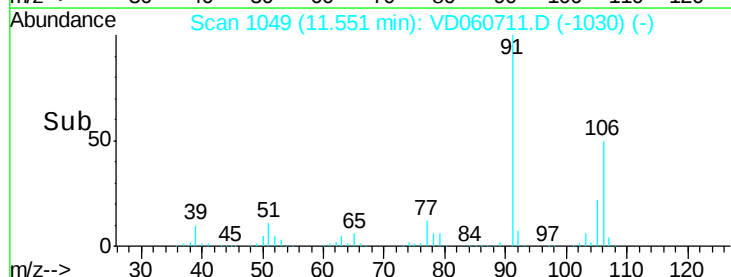
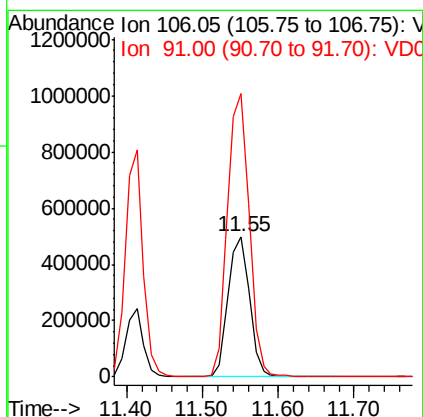
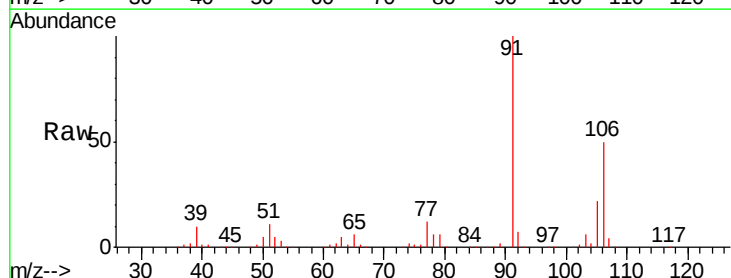
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

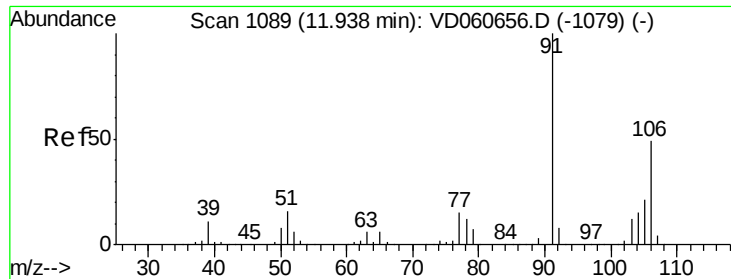
Tgt Ion: 91 Resp: 1329386  
Ion Ratio Lower Upper  
91 100  
106 29.9 24.6 36.8



#68  
m/p-Xylenes  
Concen: 43.063 ug/l  
RT: 11.55 min Scan# 1049  
Delta R.T. -0.01 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Tgt Ion: 106 Resp: 969337  
Ion Ratio Lower Upper  
106 100  
91 201.9 158.9 238.3

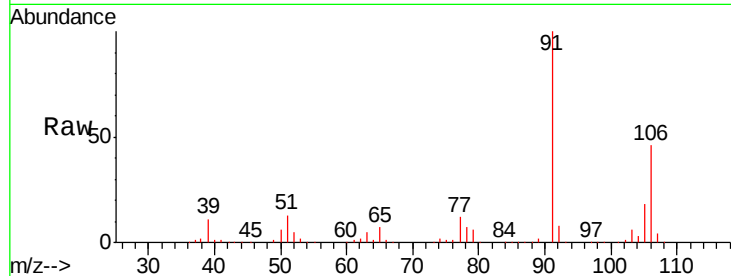




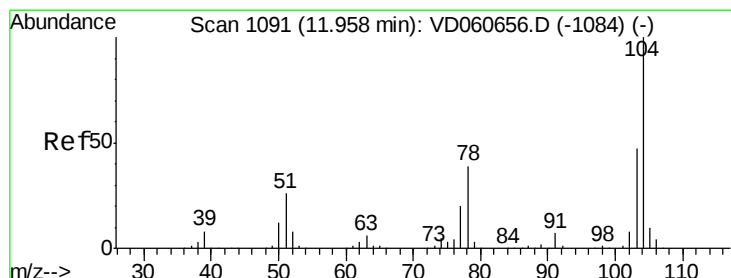
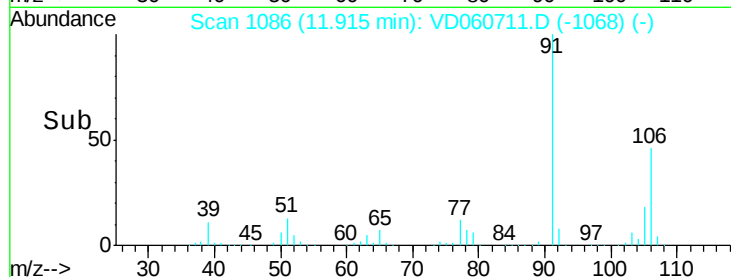
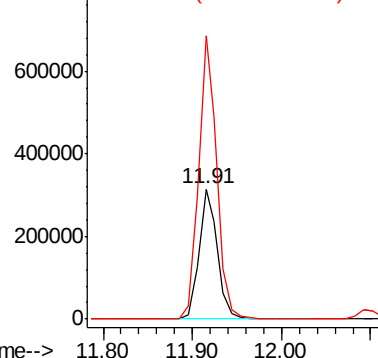
#69  
o-Xylene  
Concen: 21.359 ug/l  
RT: 11.91 min Scan# 1086  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1226SBS01

Tgt Ion:106 Resp: 456134  
Ion Ratio Lower Upper  
106 100  
91 217.6 101.5 304.5

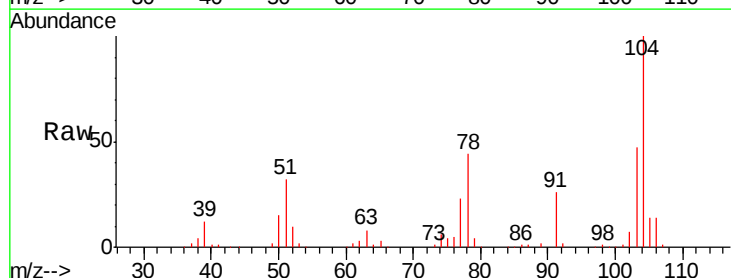


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC



#70  
Styrene  
Concen: 21.343 ug/l  
RT: 11.93 min Scan# 1088  
Delta R.T. -0.02 min  
Lab File: VD060711.D  
Acq: 26 Dec 2018 11:43

Tgt Ion:104 Resp: 734095  
Ion Ratio Lower Upper  
104 100  
78 43.9 31.4 47.2  
103 47.2 37.5 56.3



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

