

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_D\DATA\VD110618\  
 Data File : VD060285.D  
 Acq On : 6 Nov 2018 11:35  
 Operator : VA/AP  
 Sample : VSTDIC010  
 Misc : 5.00G/5ML/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Quant Time: Nov 06 13:47:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 06 13:45:11 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.42  | 168  | 1587535  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 7.46  | 114  | 2246602  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.30 | 117  | 1772109  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.38 | 152  | 882069   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.80  | 65   | 126468   | 11.27  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 22.54% |          |
| 35) Dibromofluoromethane    | 6.34  | 113  | 180086   | 10.89  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 21.78% |          |
| 50) Toluene-d8              | 9.47  | 98   | 529867   | 11.06  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 22.12% |          |
| 62) 4-Bromofluorobenzene    | 12.44 | 95   | 194356   | 11.22  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 22.44% |          |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.59 | 85   | 173932   | 12.581 | ug/l   | 97     |
| 3) Chloromethane              | 1.77 | 50   | 171458   | 11.928 | ug/l   | 100    |
| 4) Vinyl Chloride             | 1.86 | 62   | 138355   | 11.449 | ug/l   | 99     |
| 5) Bromomethane               | 2.16 | 94   | 38188    | 11.507 | ug/l   | 100    |
| 6) Chloroethane               | 2.27 | 64   | 48625    | 11.185 | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 2.53 | 101  | 163974   | 10.901 | ug/l   | 96     |
| 8) Diethyl Ether              | 2.83 | 74   | 28078    | 9.862  | ug/l   | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.11 | 101  | 105918   | 10.947 | ug/l   | 95     |
| 10) Methyl Iodide             | 3.27 | 142  | 131208   | 13.988 | ug/l   | 99     |
| 11) Tert butyl alcohol        | 3.98 | 59   | 24373    | 50.195 | ug/l # | 89     |
| 12) 1,1-Dichloroethene        | 3.09 | 96   | 86084    | 10.765 | ug/l   | 99     |
| 13) Acrolein                  | 3.00 | 56   | 29757    | 49.418 | ug/l   | 99     |
| 14) Allyl chloride            | 3.55 | 41   | 163664   | 10.770 | ug/l   | 98     |
| 15) Acrylonitrile             | 4.10 | 53   | 149200   | 56.045 | ug/l   | 98     |
| 16) Acetone                   | 3.18 | 43   | 113962   | 55.341 | ug/l   | 100    |
| 17) Carbon Disulfide          | 3.33 | 76   | 279275   | 10.762 | ug/l   | 98     |
| 18) Methyl Acetate            | 3.57 | 43   | 41572    | 9.865  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 4.14 | 73   | 252447   | 11.218 | ug/l   | 99     |
| 20) Methylene Chloride        | 3.74 | 84   | 199455   | 10.187 | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 4.12 | 96   | 188505   | 11.061 | ug/l   | 98     |
| 22) Diisopropyl ether         | 4.87 | 45   | 609759   | 11.023 | ug/l   | 97     |
| 23) Vinyl Acetate             | 4.82 | 43   | 1527706  | 55.445 | ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 4.77 | 63   | 311465   | 11.155 | ug/l   | 100    |
| 25) 2-Butanone                | 5.64 | 43   | 228541   | 58.422 | ug/l   | 98     |
| 26) 2,2-Dichloropropane       | 5.61 | 77   | 247310   | 11.281 | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 5.61 | 96   | 196085   | 11.072 | ug/l   | 92     |
| 28) Bromochloromethane        | 5.94 | 49   | 134888   | 10.860 | ug/l   | 100    |
| 29) Tetrahydrofuran           | 5.97 | 42   | 117443   | 57.106 | ug/l   | 97     |
| 30) Chloroform                | 6.12 | 83   | 310625   | 11.022 | ug/l   | 98     |
| 31) Cyclohexane               | 6.38 | 56   | 310902   | 11.801 | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.31 | 97   | 260175   | 11.198 | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 6.54 | 75   | 245963   | 11.325 | ug/l   | 98     |
| 37) Ethyl Acetate             | 5.72 | 43   | 109615   | 11.308 | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 6.52 | 117  | 221571   | 11.194 | ug/l   | 98     |

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 Misc : 5.00G/5ML/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleID :  
 VSTDIC010

Quant Time: Nov 06 13:47:35 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 06 13:45:11 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 8.06  | 83   | 278128   | 11.389  | ug/l   | 97       |
| 40) Benzene                    | 6.81  | 78   | 612062   | 10.922  | ug/l   | 99       |
| 41) Methacrylonitrile          | 5.96  | 41   | 126374   | 19.733  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 6.92  | 62   | 158906   | 10.939  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.36  | 43   | 135102   | 10.798  | ug/l # | 97       |
| 44) Trichloroethene            | 7.76  | 130  | 178729   | 10.436  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 8.12  | 63   | 149333   | 10.683  | ug/l   | 95       |
| 46) Dibromomethane             | 8.23  | 93   | 89160    | 11.124  | ug/l   | 99       |
| 47) Bromodichloromethane       | 8.51  | 83   | 206930   | 10.726  | ug/l   | 94       |
| 48) Methyl methacrylate        | 8.26  | 41   | 82877    | 11.055  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 8.24  | 88   | 14441    | 215.170 | ug/l # | 75       |
| 51) 4-Methyl-2-Pentanone       | 9.36  | 43   | 456469   | 57.804  | ug/l   | 98       |
| 52) Toluene                    | 9.56  | 92   | 392119   | 11.058  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.94  | 75   | 171044   | 10.687  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.12  | 75   | 229515   | 10.990  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.19 | 97   | 115515   | 11.644  | ug/l   | 96       |
| 56) Ethyl methacrylate         | 10.05 | 69   | 98230    | 10.416  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.40 | 76   | 168847   | 11.138  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether  | 8.94  | 63   | 303053   | 54.355  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.50 | 43   | 330467   | 56.820  | ug/l   | 98       |
| 60) Dibromochloromethane       | 10.66 | 129  | 129718   | 10.315  | ug/l   | 93       |
| 61) 1,2-Dibromoethane          | 10.77 | 107  | 111453   | 11.073  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.27 | 164  | 169940   | 10.944  | ug/l   | 97       |
| 65) Chlorobenzene              | 11.32 | 112  | 408205   | 10.750  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.43 | 131  | 136969   | 10.932  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.44 | 91   | 740909   | 11.427  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.58 | 106  | 547692   | 22.884  | ug/l   | 97       |
| 69) o-Xylene                   | 11.94 | 106  | 257232   | 11.062  | ug/l   | 98       |
| 70) Styrene                    | 11.96 | 104  | 416967   | 11.135  | ug/l   | 96       |
| 71) Bromoform                  | 12.13 | 173  | 84190    | 10.484  | ug/l   | 93       |
| 73) Isopropylbenzene           | 12.29 | 105  | 726836   | 11.684  | ug/l   | 99       |
| 74) N-amyl acetate             | 12.14 | 43   | 173791   | 11.007  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.57 | 83   | 111738   | 11.130  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane     | 12.60 | 75   | 117443   | 11.728  | ug/l   | 99       |
| 77) Bromobenzene               | 12.55 | 156  | 179739   | 10.818  | ug/l   | 94       |
| 78) n-propylbenzene            | 12.65 | 91   | 929534   | 11.886  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.71 | 91   | 499909   | 11.583  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene     | 12.80 | 105  | 568398   | 11.758  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-buten | 12.36 | 75   | 29600    | 10.951  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.82 | 91   | 570706   | 11.852  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.06 | 119  | 619668   | 11.531  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.11 | 105  | 529998   | 10.804  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.23 | 105  | 760111   | 11.596  | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.35 | 119  | 631234   | 12.116  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.32 | 146  | 337719   | 11.387  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 13.40 | 146  | 326278   | 11.281  | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.66 | 91   | 661211   | 12.393  | ug/l   | 96       |
| 90) Hexachloroethane           | 13.87 | 117  | 138376   | 10.908  | ug/l   | 80       |
| 91) 1,2-Dichlorobenzene        | 13.67 | 146  | 293265   | 12.124  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 13830    | 11.229  | ug/l   | 72       |

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_D\DATA\VD110618\  
Data File : VD060285.D  
Acq On : 6 Nov 2018 11:35  
Operator : VA/AP  
Sample : VSTDICC010  
Misc : 5.00G/5ML/MSVOA\_D/SOIL  
ALS Vial : 3 Sample Multiplier: 1

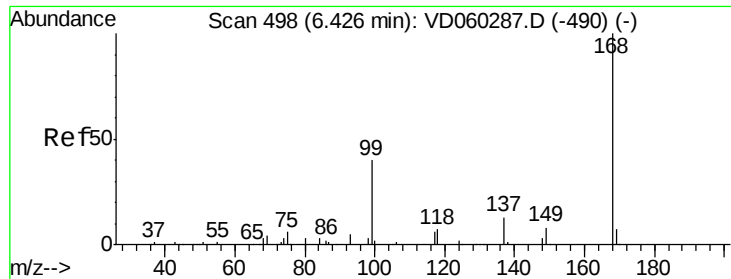
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC010

Quant Time: Nov 06 13:47:35 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_D\METHOD\82D110618S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 06 13:45:11 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.80 | 180  | 213236   | 11.363 | ug/l  | 97       |
| 94) Hexachlorobutadiene    | 14.89 | 225  | 162277   | 11.709 | ug/l  | 99       |
| 95) Naphthalene            | 14.98 | 128  | 248381   | 10.640 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.12 | 180  | 169453   | 11.185 | ug/l  | 96       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

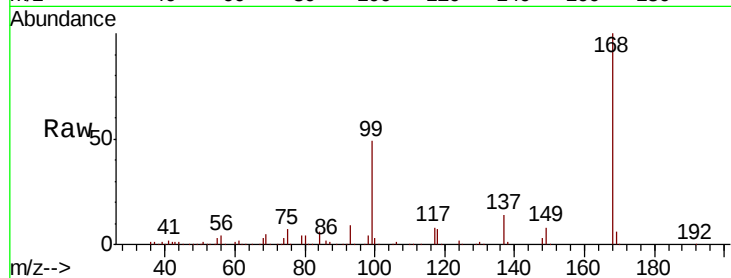
VSTDIC010

Tgt Ion:168 Resp: 1587535

Ion Ratio Lower Upper

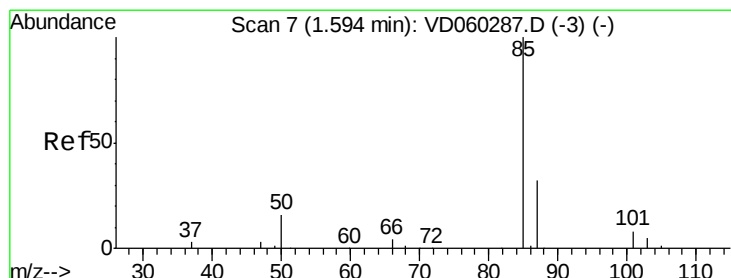
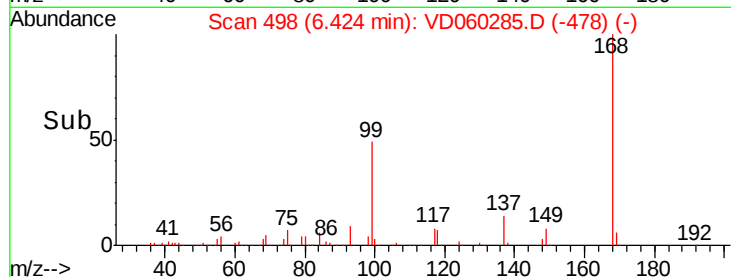
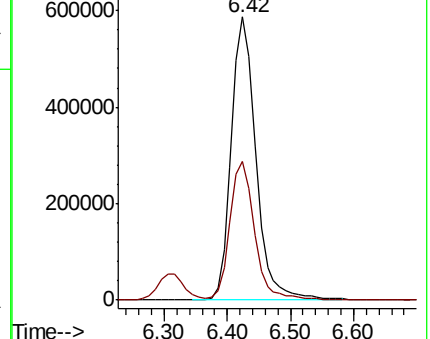
168 100

99 49.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 12.581 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060285.D

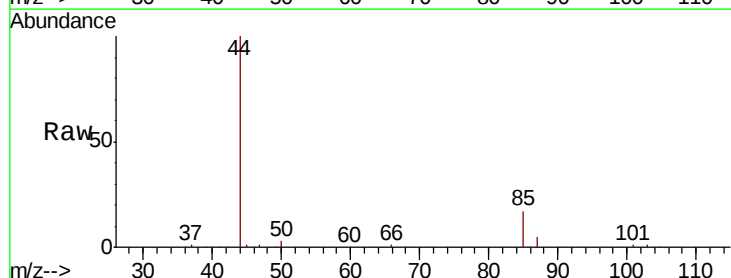
Acq: 6 Nov 2018 11:35

Tgt Ion: 85 Resp: 173932

Ion Ratio Lower Upper

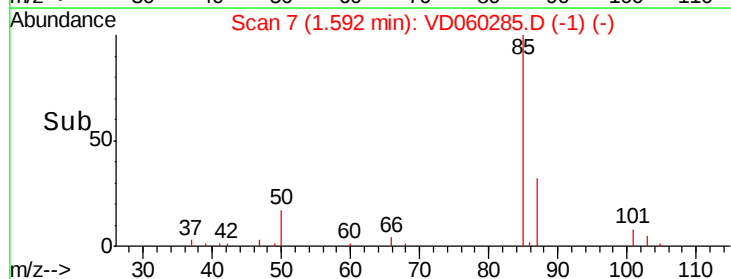
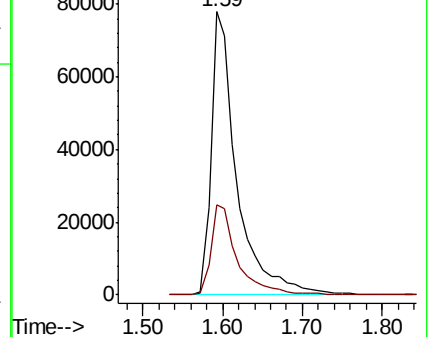
85 100

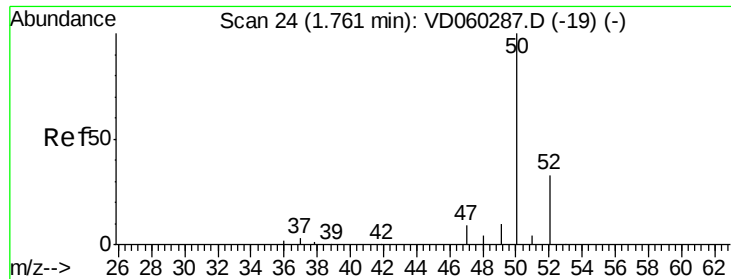
87 31.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

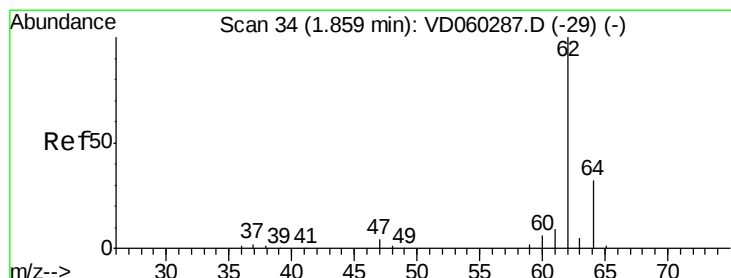
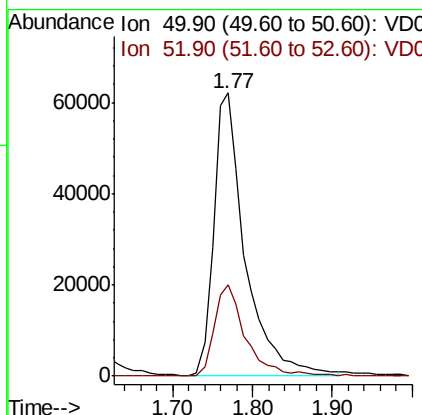
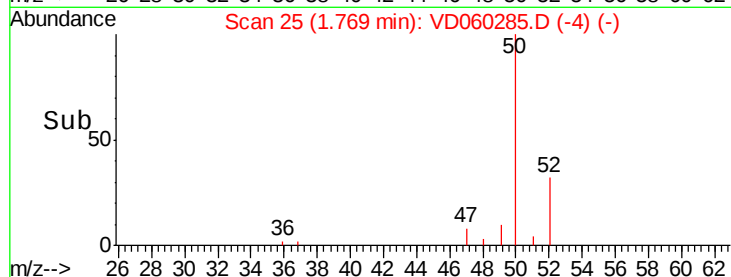
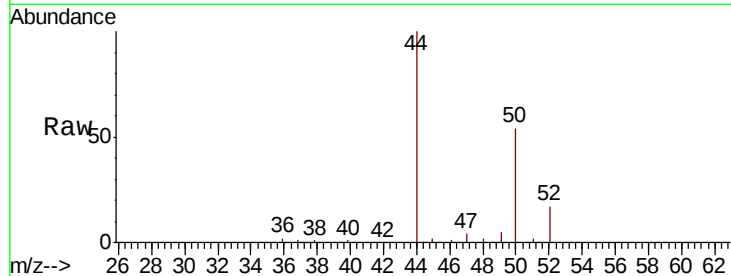




#3  
 Chloromethane  
 Concen: 11.928 ug/l  
 RT: 1.77 min Scan# 25  
 Delta R.T. 0.01 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

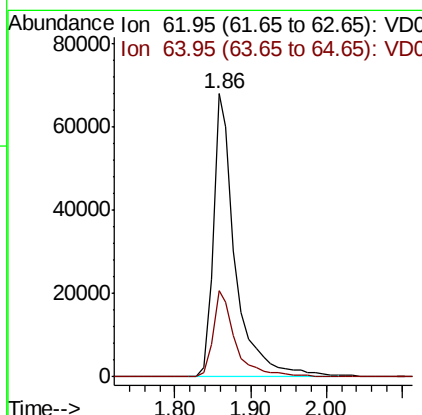
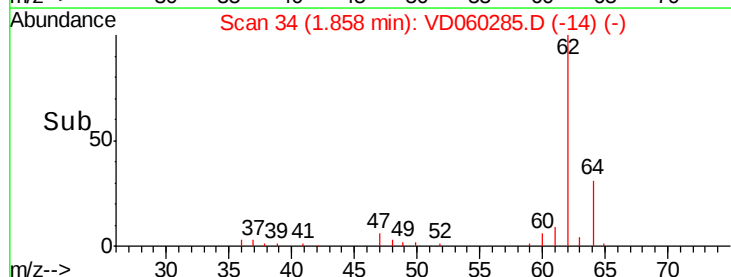
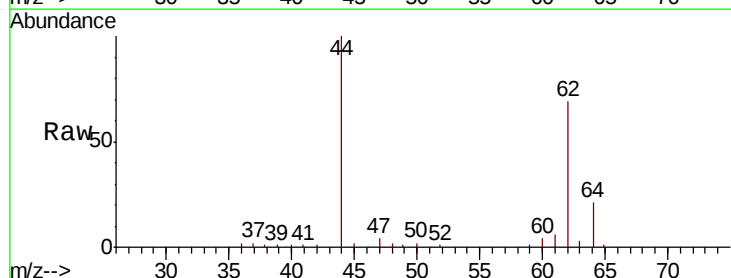
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

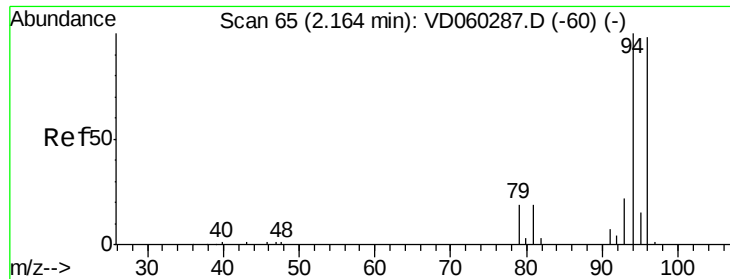
Tgt Ion: 50 Resp: 171458  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 25.8 38.6



#4  
 Vinyl Chloride  
 Concen: 11.449 ug/l  
 RT: 1.86 min Scan# 34  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Tgt Ion: 62 Resp: 138355  
 Ion Ratio Lower Upper  
 62 100  
 64 30.6 24.9 37.3





#5

Bromomethane

Concen: 11.507 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

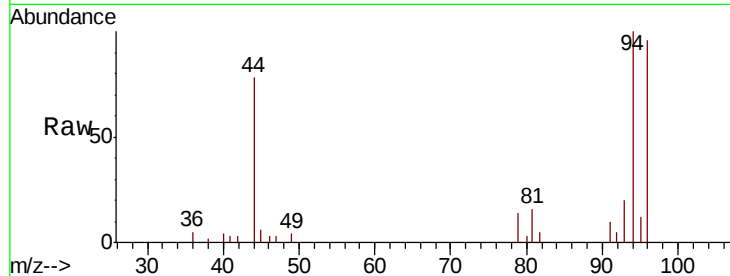
VSTDIC010

Tgt Ion: 94 Resp: 38188

Ion Ratio Lower Upper

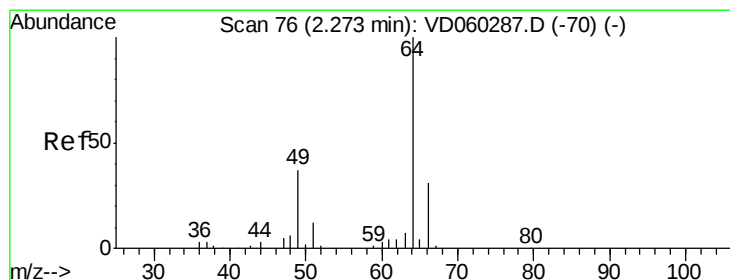
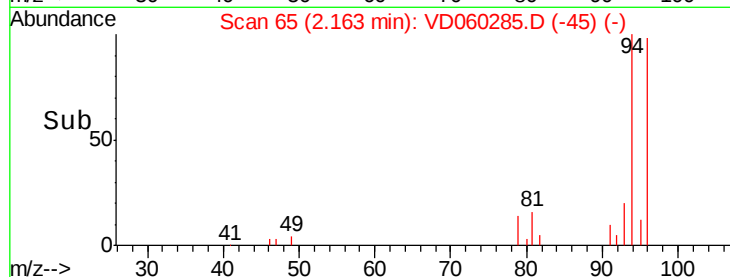
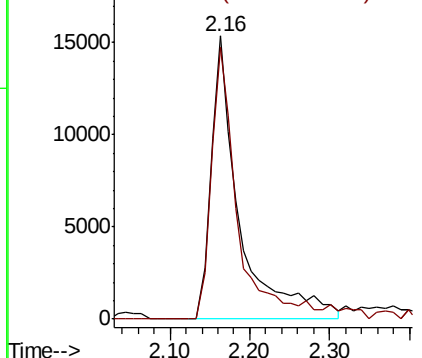
94 100

96 96.0 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.185 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060285.D

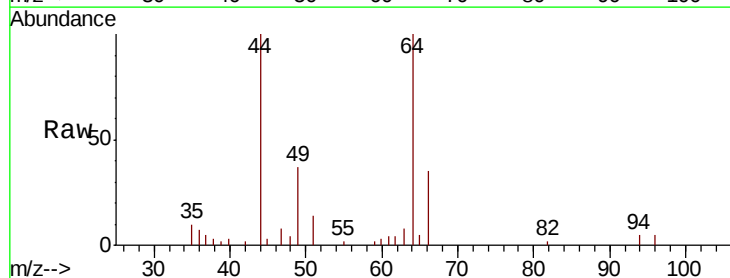
Acq: 6 Nov 2018 11:35

Tgt Ion: 64 Resp: 48625

Ion Ratio Lower Upper

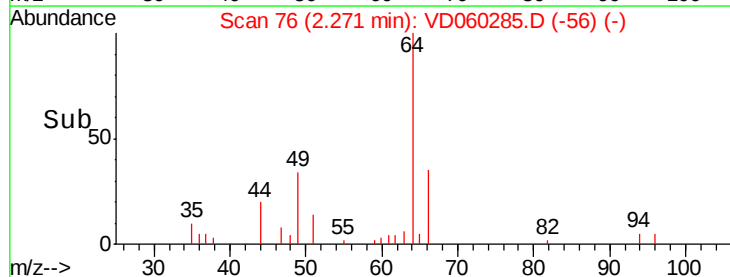
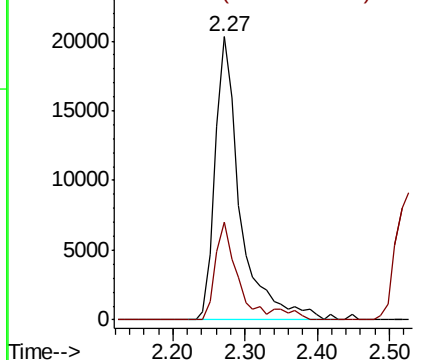
64 100

66 34.6 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



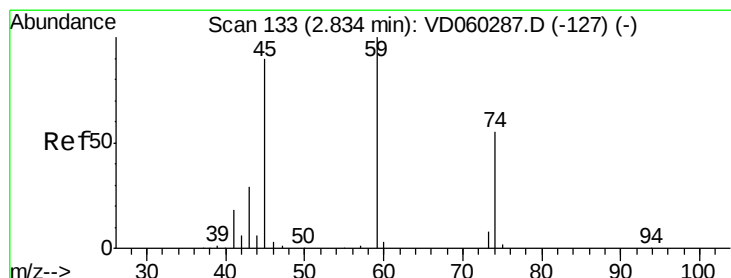
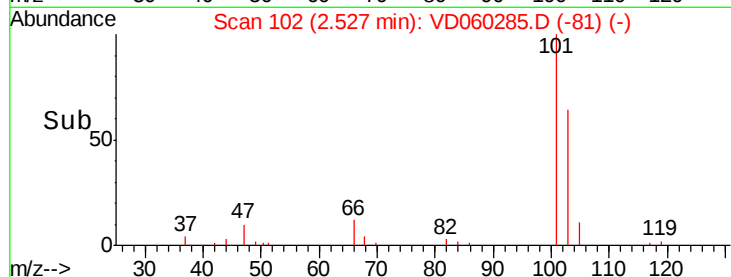
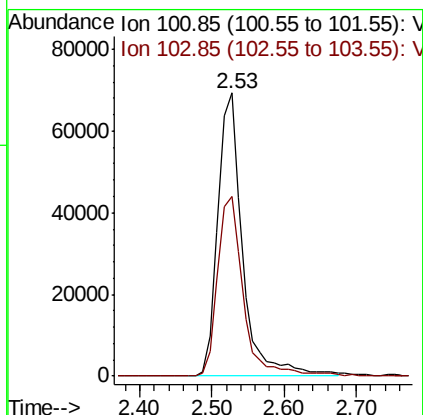
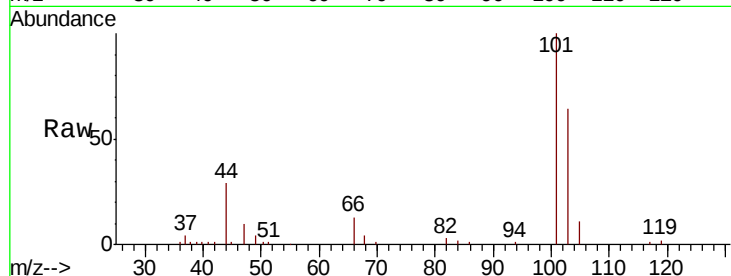


#7

Trichlorofluoromethane  
 Concen: 10.901 ug/l  
 RT: 2.53 min Scan# 102  
 Delta R.T. 0.01 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

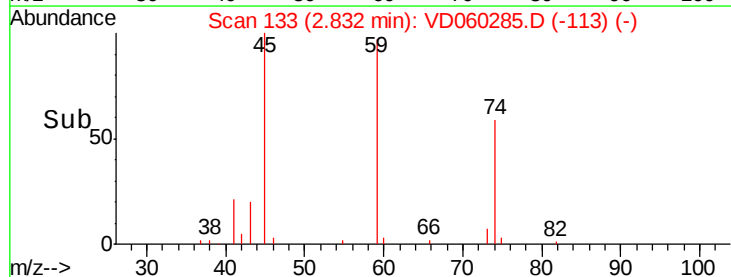
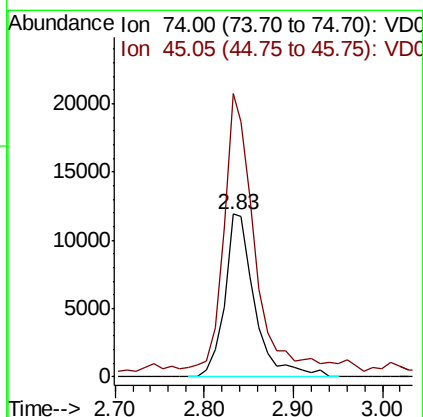
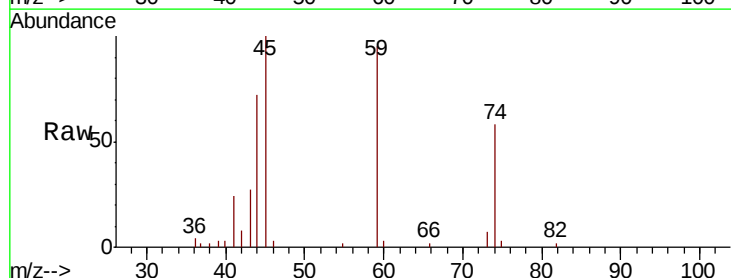
Tgt Ion: 101 Resp: 163974  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 53.6 80.4



#8

Diethyl Ether  
 Concen: 9.862 ug/l  
 RT: 2.83 min Scan# 133  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Tgt Ion: 74 Resp: 28078  
 Ion Ratio Lower Upper  
 74 100  
 45 173.7 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.947 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

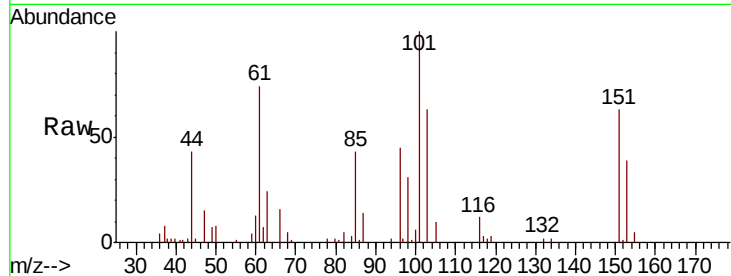
Tgt Ion:101 Resp: 105918

Ion Ratio Lower Upper

101 100

85 43.4 31.4 47.0

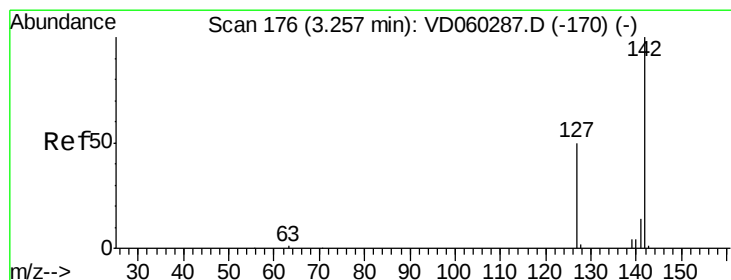
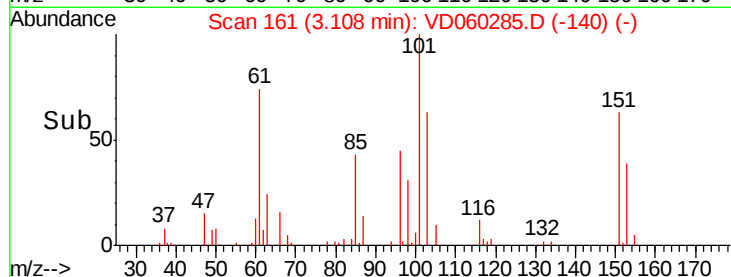
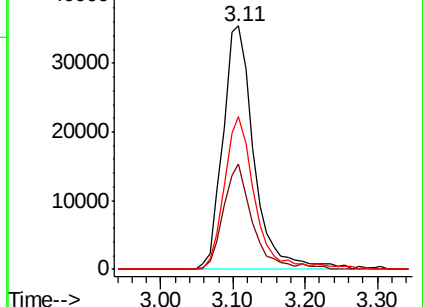
151 62.5 47.4 71.0



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: 13.988 ug/l

RT: 3.27 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

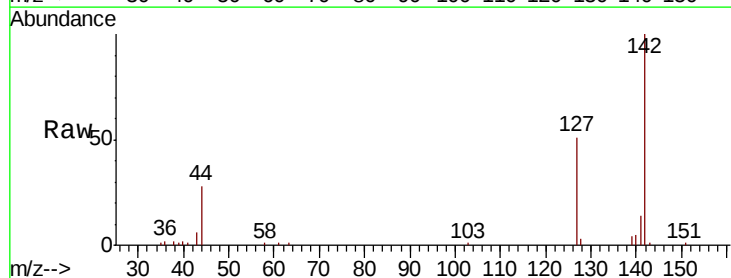
Tgt Ion:142 Resp: 131208

Ion Ratio Lower Upper

142 100

127 51.1 41.0 61.6

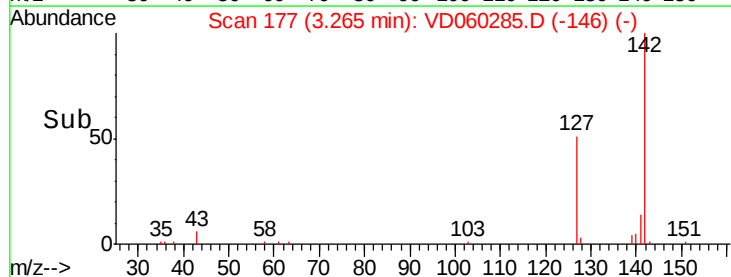
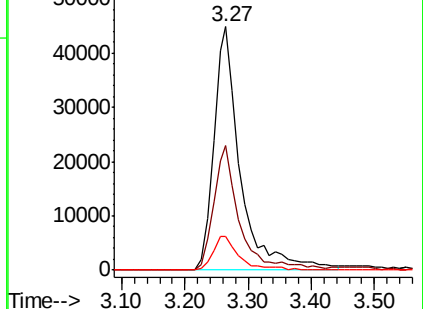
141 14.0 11.9 17.9

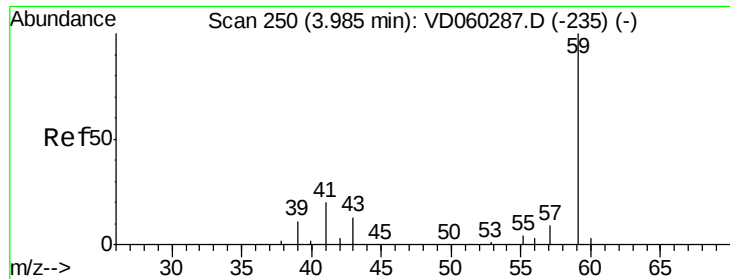


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

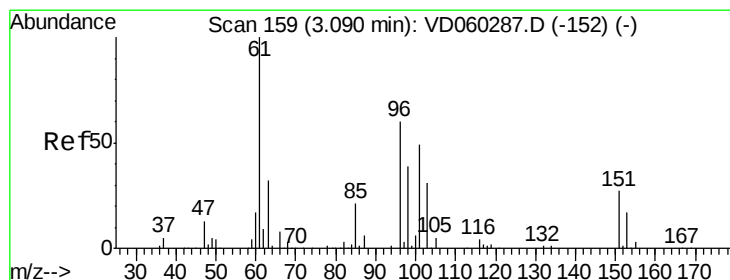
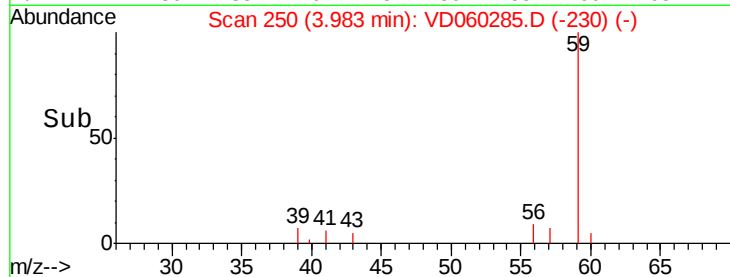
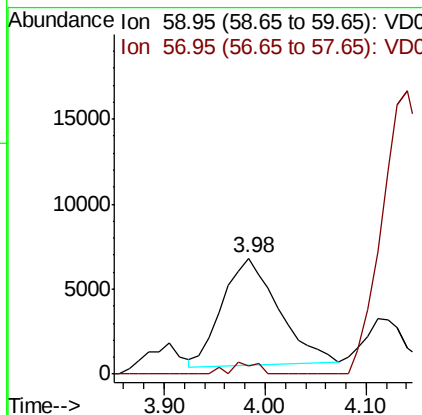
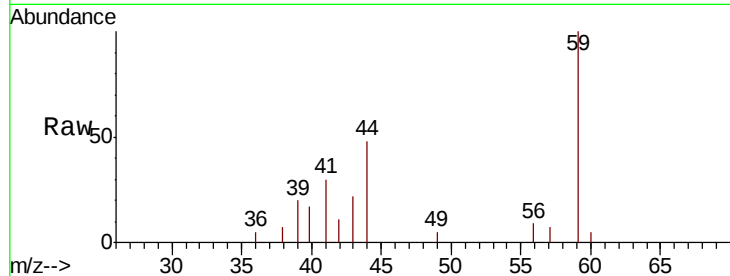




#11  
Tert butyl alcohol  
Concen: 50.195 ug/l  
RT: 3.98 min Scan# 250  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

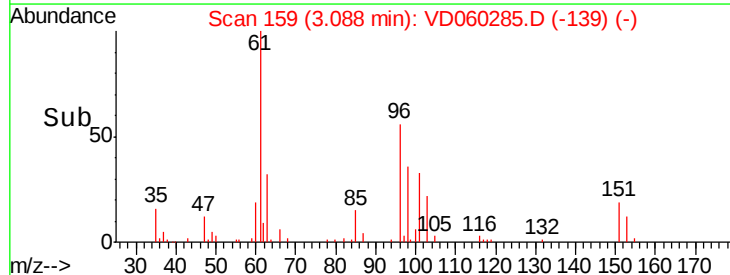
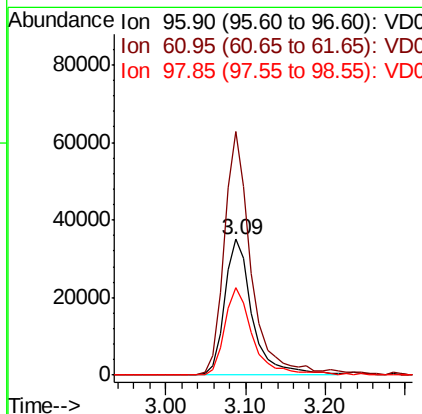
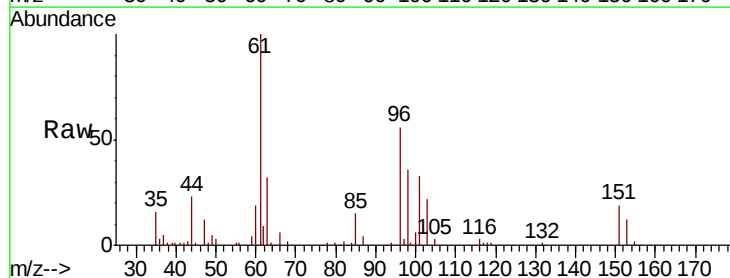
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

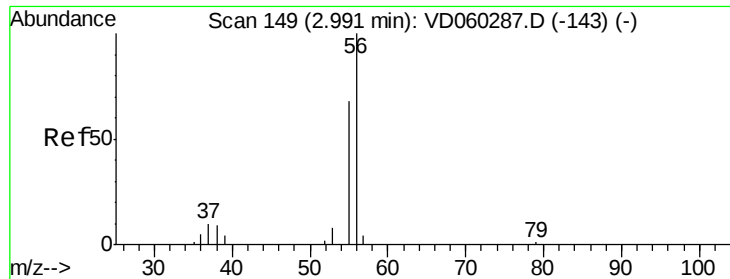
Tgt Ion: 59 Resp: 24373  
Ion Ratio Lower Upper  
59 100  
57 7.3 9.3 13.9#



#12  
1,1-Dichloroethene  
Concen: 10.765 ug/l  
RT: 3.09 min Scan# 159  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion: 96 Resp: 86084  
Ion Ratio Lower Upper  
96 100  
61 179.5 142.2 213.4  
98 64.8 52.6 79.0





#13

Acrolein

Concen: 49.418 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

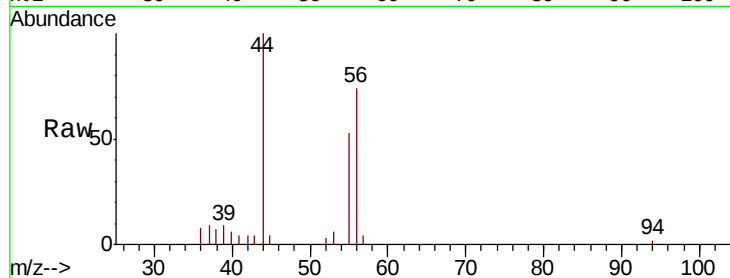
VSTDIC010

Tgt Ion: 56 Resp: 29757

Ion Ratio Lower Upper

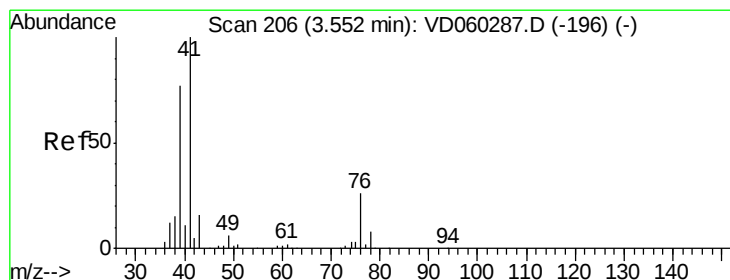
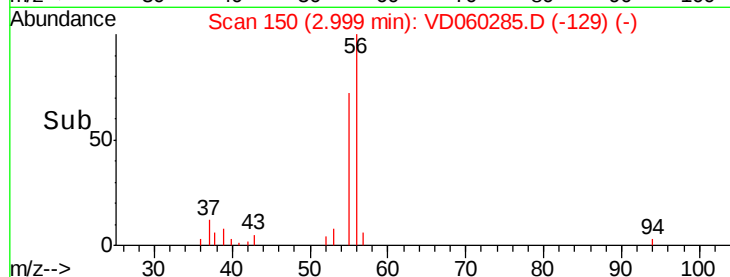
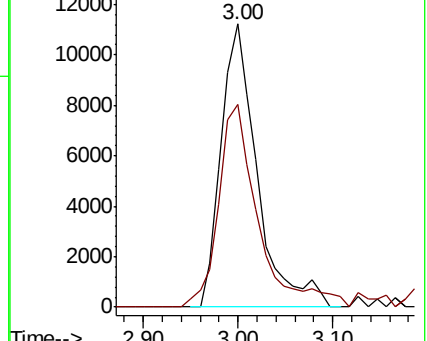
56 100

55 71.8 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 10.770 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

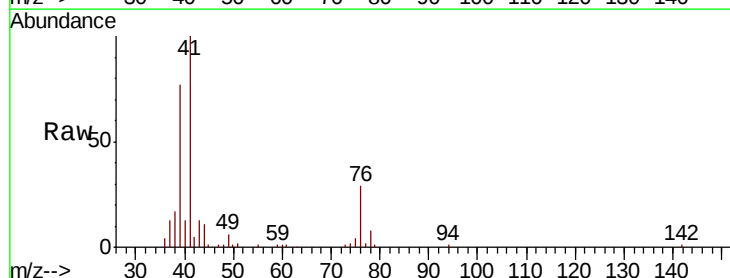
Tgt Ion: 41 Resp: 163664

Ion Ratio Lower Upper

41 100

39 76.8 60.4 90.6

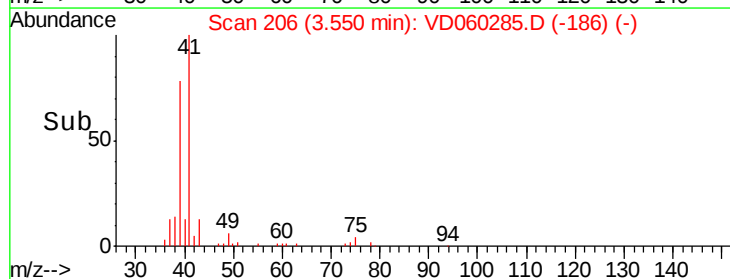
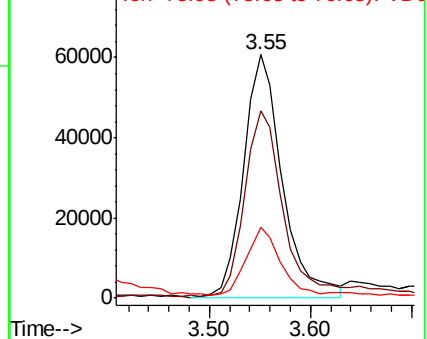
76 29.2 21.8 32.8



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





#15

Acrylonitrile

Concen: 56.045 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

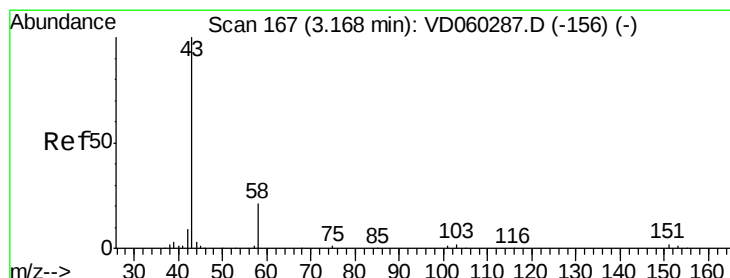
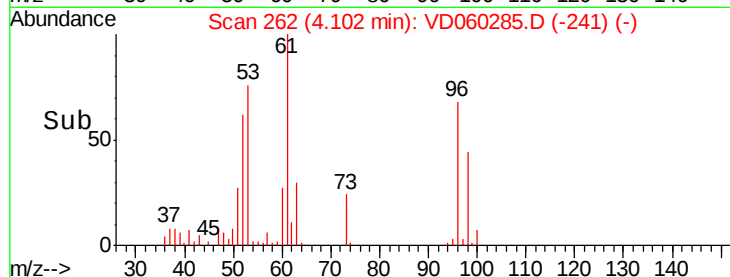
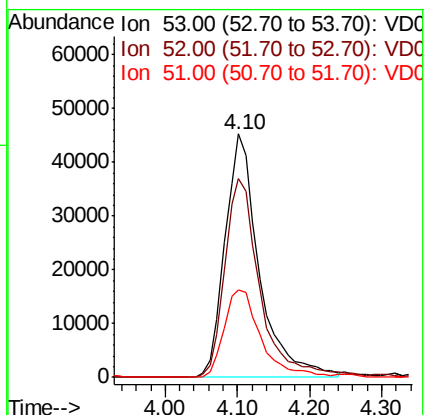
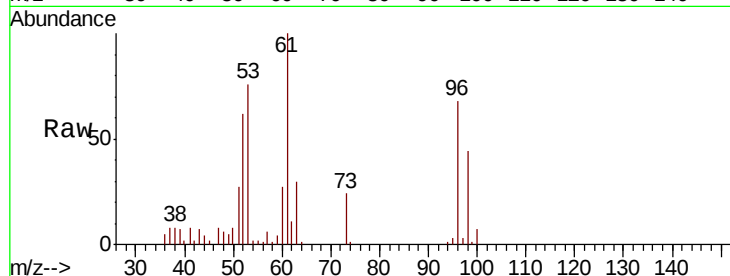
Tgt Ion: 53 Resp: 149200

Ion Ratio Lower Upper

53 100

52 81.8 67.0 100.4

51 36.0 29.9 44.9



#16

Acetone

Concen: 55.341 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060285.D

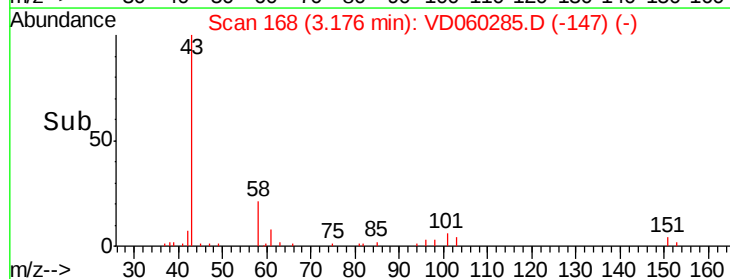
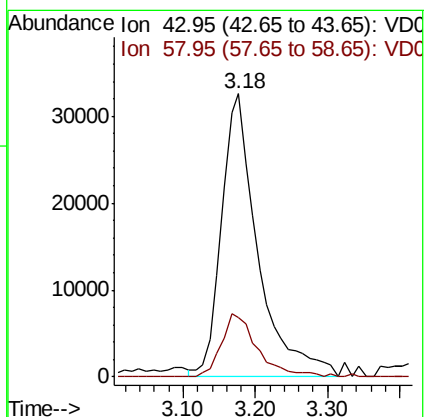
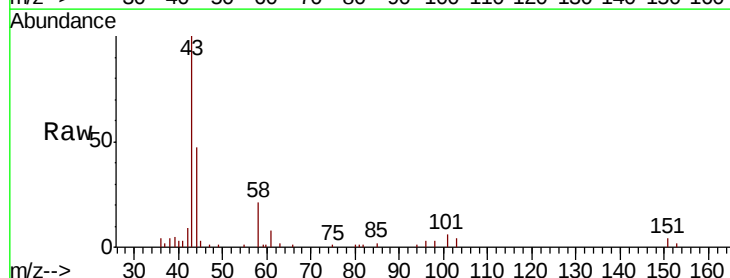
Acq: 6 Nov 2018 11:35

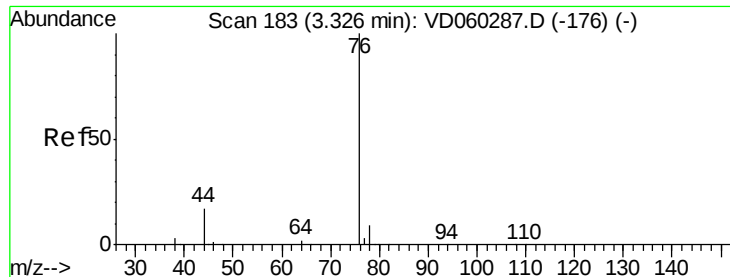
Tgt Ion: 43 Resp: 113962

Ion Ratio Lower Upper

43 100

58 21.0 16.9 25.3

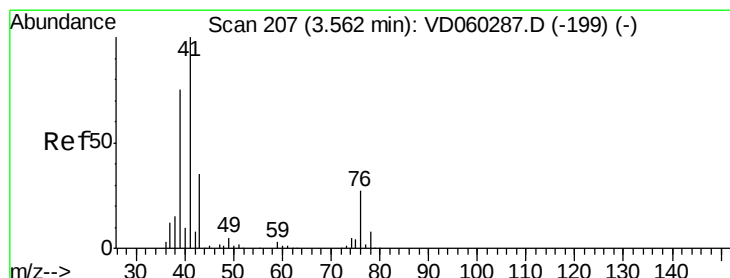
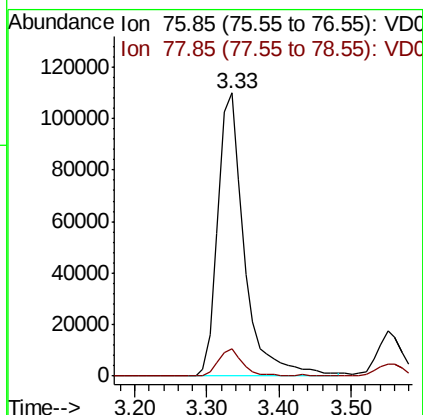
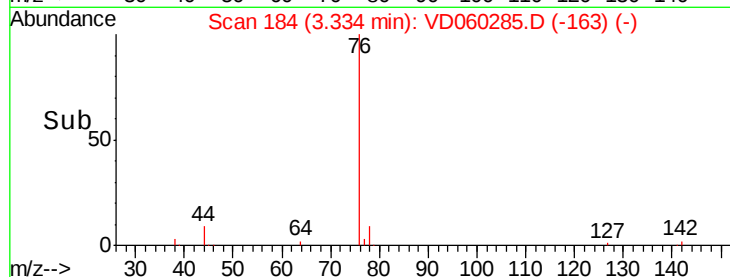
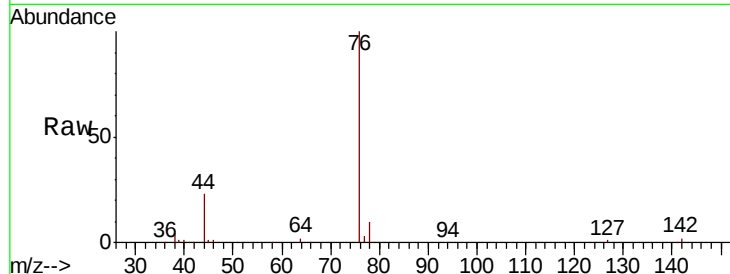




#17  
Carbon Disulfide  
Concen: 10.762 ug/l  
RT: 3.33 min Scan# 184  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

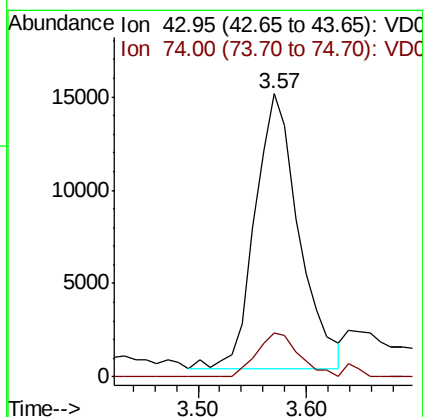
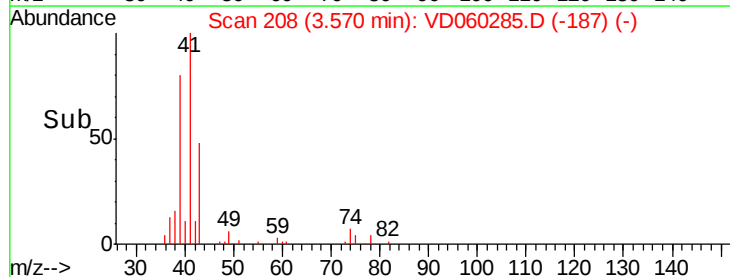
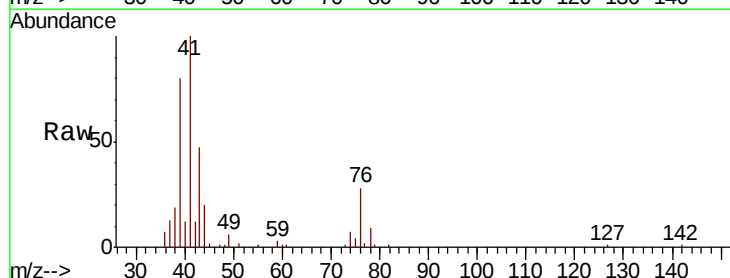
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

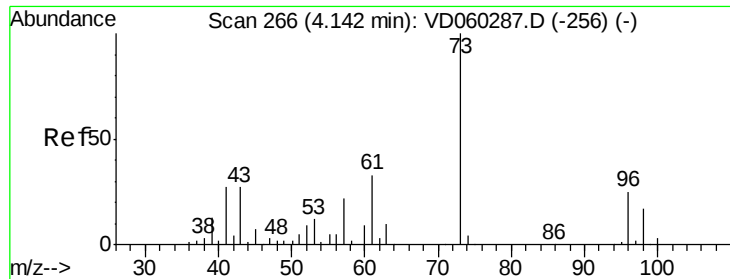
Tgt Ion: 76 Resp: 279275  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.0 10.4



#18  
Methyl Acetate  
Concen: 9.865 ug/l  
RT: 3.57 min Scan# 208  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion: 43 Resp: 41572  
Ion Ratio Lower Upper  
43 100  
74 15.4 12.4 18.6





#19

Methyl tert-butyl Ether

Concen: 11.218 ug/l

RT: 4.14 min Scan# 266

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

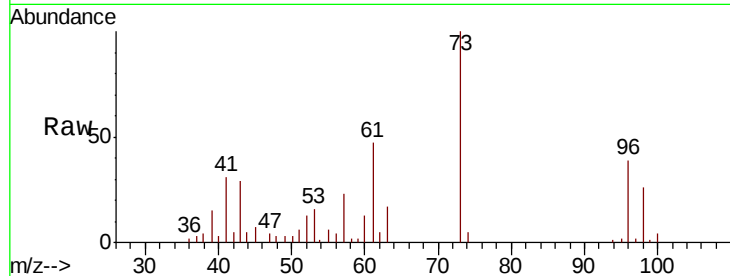
VSTDIC010

Tgt Ion: 73 Resp: 252447

Ion Ratio Lower Upper

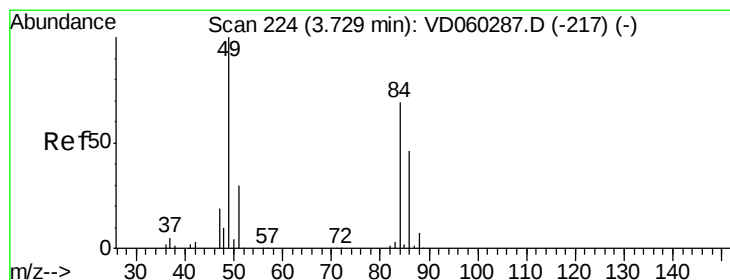
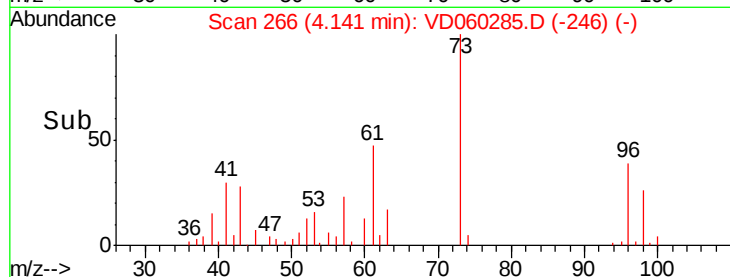
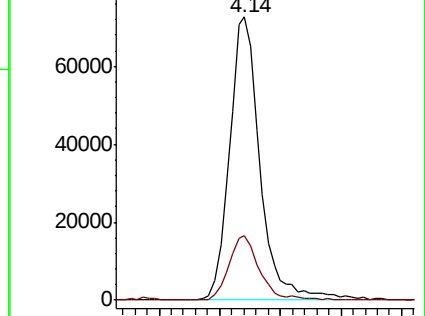
73 100

57 22.9 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 10.187 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Tgt Ion: 84 Resp: 199455

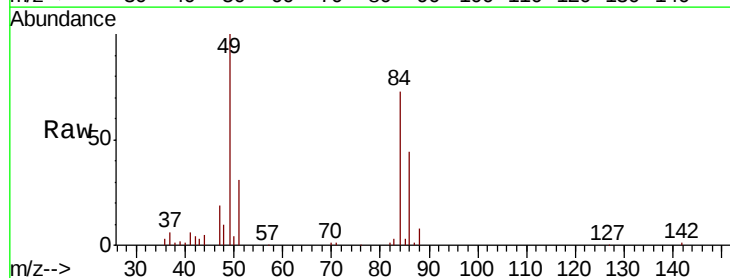
Ion Ratio Lower Upper

84 100

49 137.8 115.6 173.4

51 42.1 35.6 53.4

86 60.8 52.3 78.5

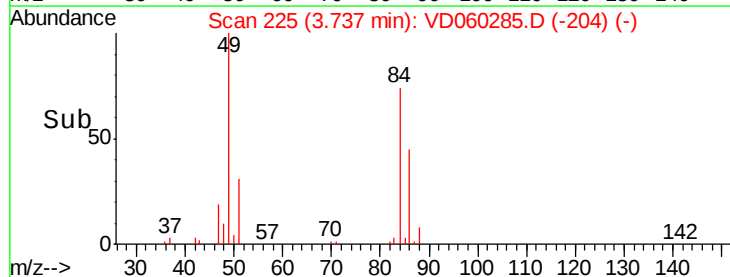
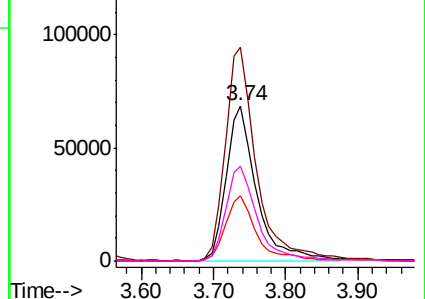


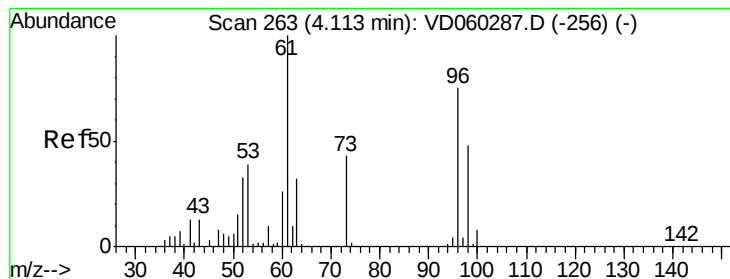
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 11.061 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

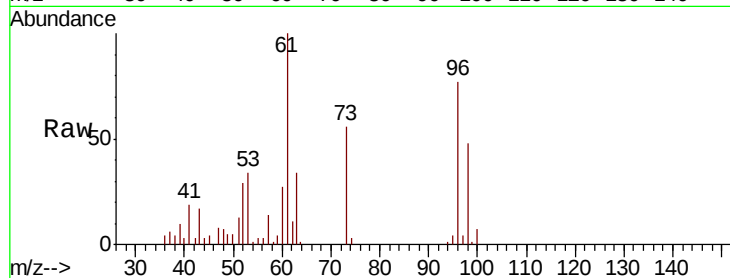
Tgt Ion: 96 Resp: 188505

Ion Ratio Lower Upper

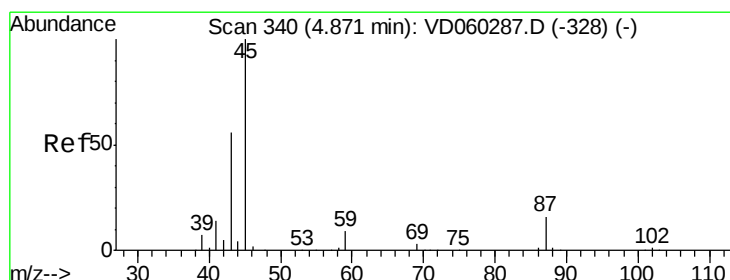
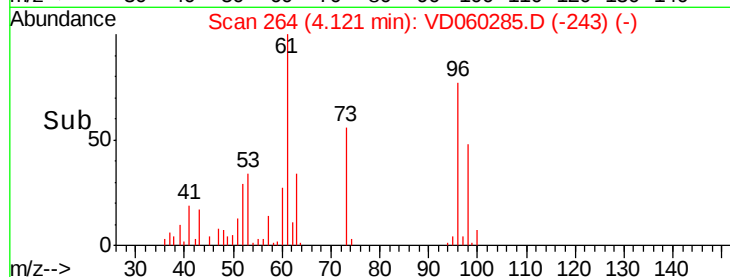
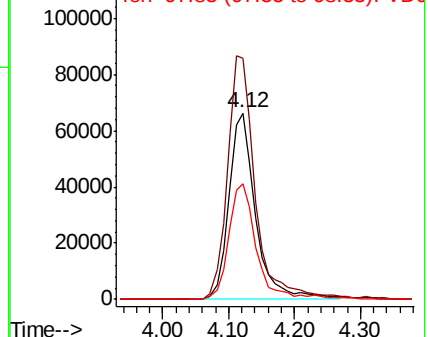
96 100

61 129.5 105.8 158.6

98 61.7 50.8 76.2



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: 11.023 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Tgt Ion: 45 Resp: 609759

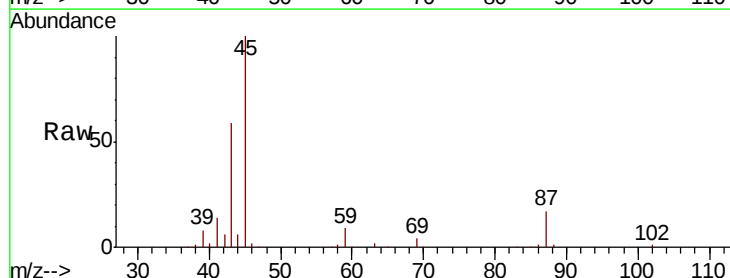
Ion Ratio Lower Upper

45 100

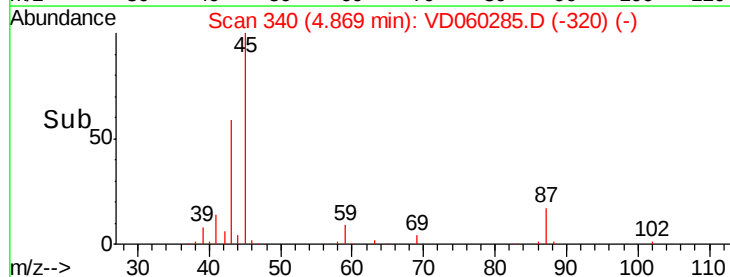
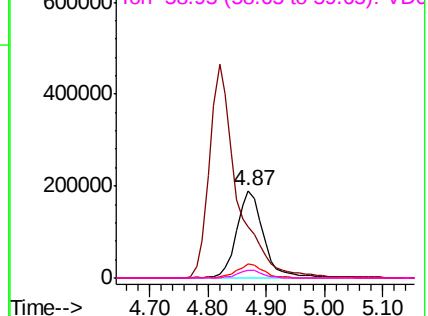
43 58.8 44.9 67.3

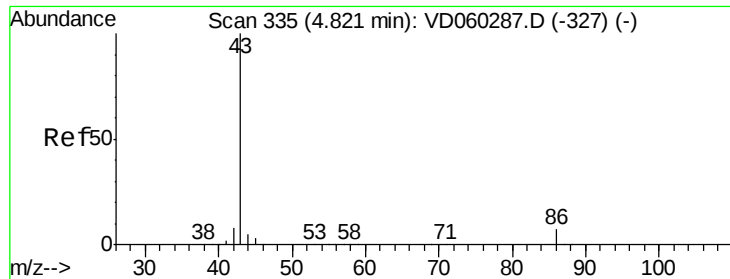
87 16.5 13.9 20.9

59 8.7 7.0 10.6



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: 55.445 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

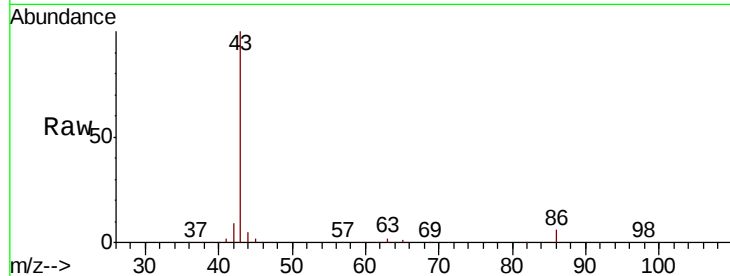
VSTDIC010

Tgt Ion: 43 Resp: 1527706

Ion Ratio Lower Upper

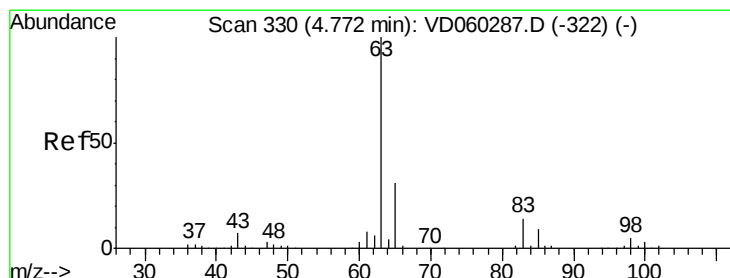
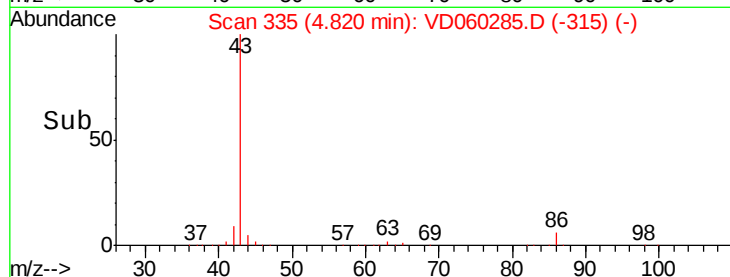
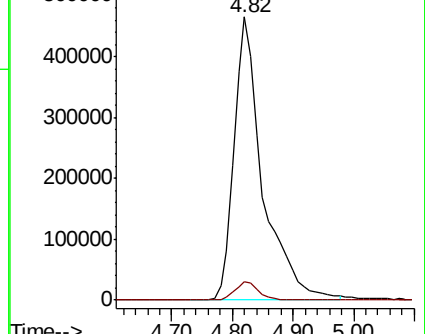
43 100

86 6.3 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 11.155 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

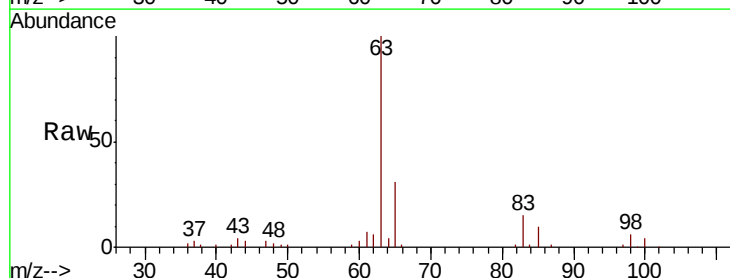
Tgt Ion: 63 Resp: 311465

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

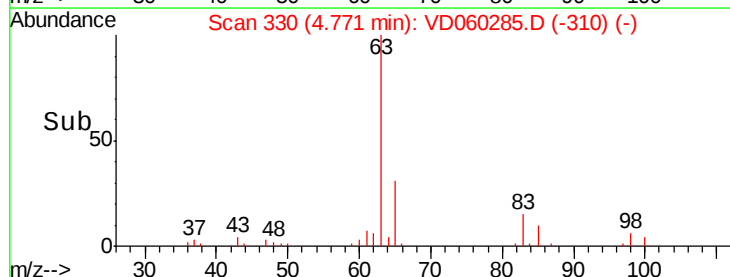
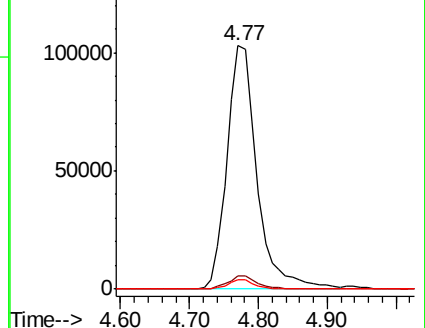
100 3.8 1.8 5.5



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





#25

2-Butanone

Concen: 58.422 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

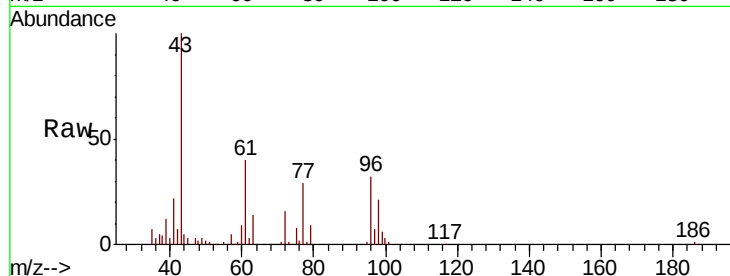
VSTDIC010

Tgt Ion: 43 Resp: 228541

Ion Ratio Lower Upper

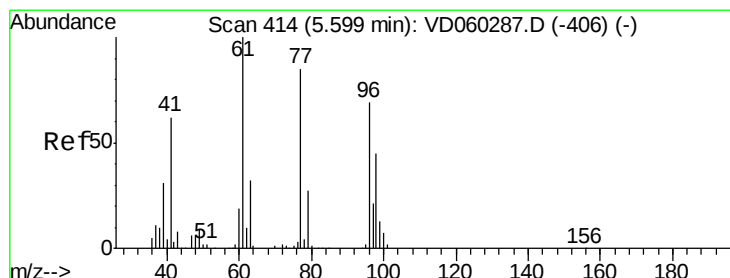
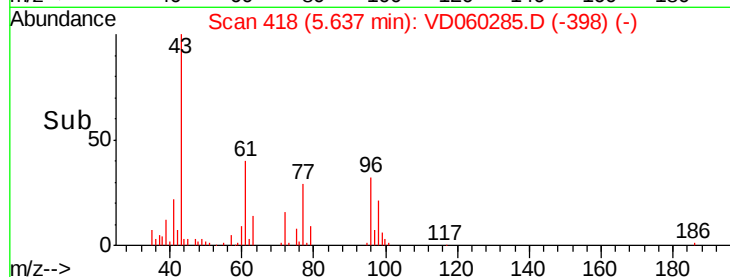
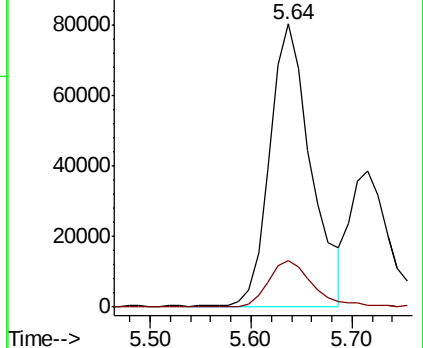
43 100

72 16.4 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 11.281 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060285.D

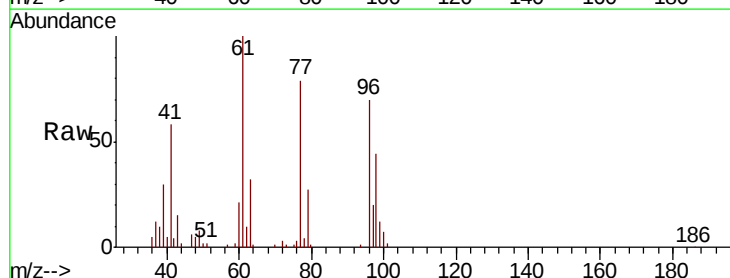
Acq: 6 Nov 2018 11:35

Tgt Ion: 77 Resp: 247310

Ion Ratio Lower Upper

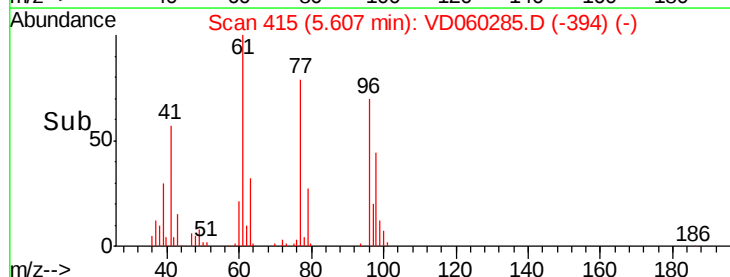
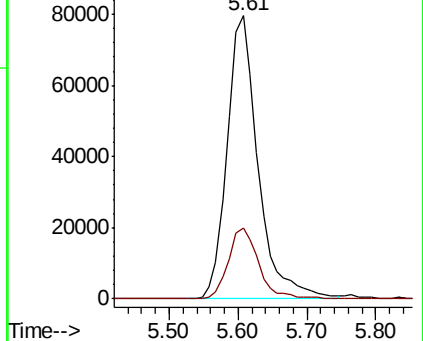
77 100

97 25.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



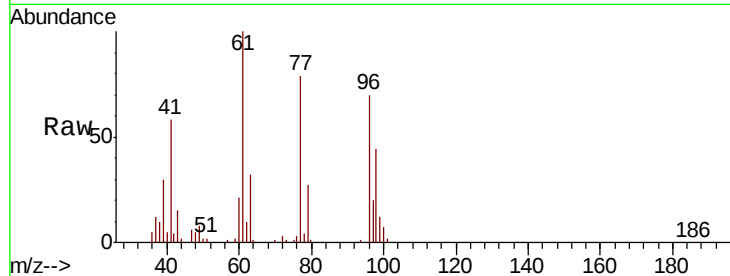


#27

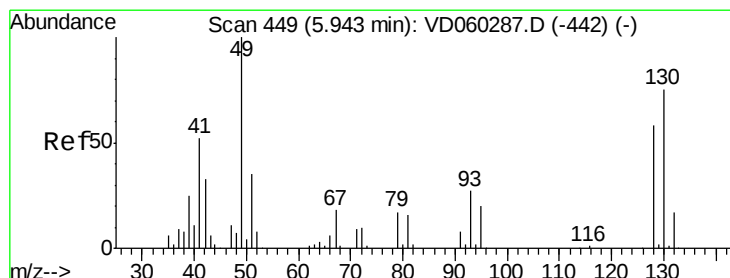
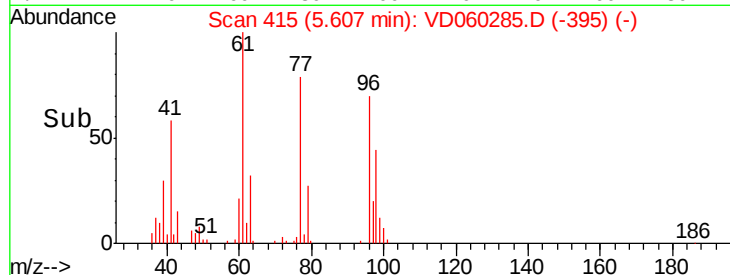
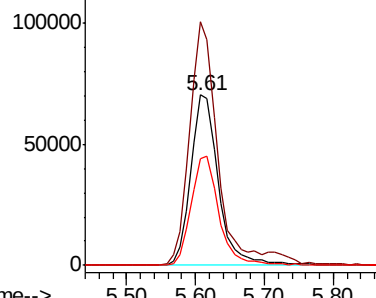
cis-1,2-Dichloroethene  
 Concen: 11.072 ug/l  
 RT: 5.61 min Scan# 415  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 96 Resp: 196085  
 Ion Ratio Lower Upper  
 96 100  
 61 143.0 0.0 259.0  
 98 62.7 0.0 128.8



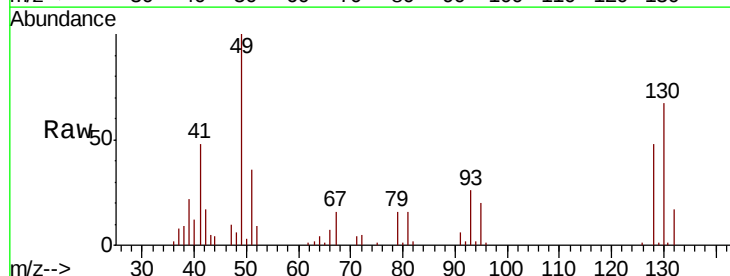
Abundance Ion 95.90 (95.60 to 96.60): VDC  
 Ion 60.95 (60.65 to 61.65): VDC  
 Ion 97.85 (97.55 to 98.55): VDC



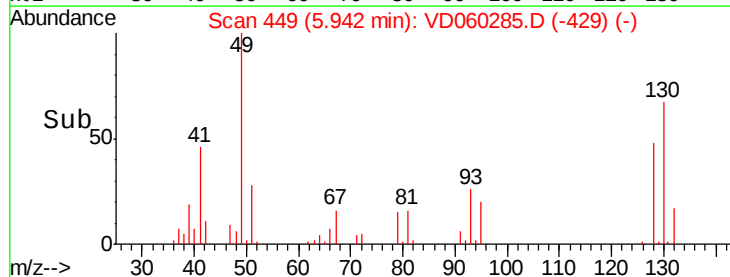
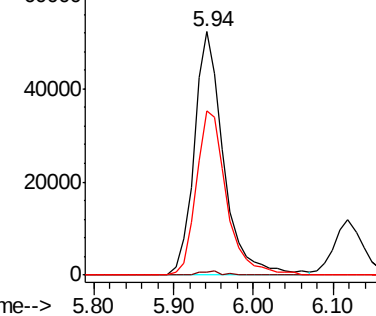
#28

Bromochloromethane  
 Concen: 10.860 ug/l  
 RT: 5.94 min Scan# 449  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Tgt Ion: 49 Resp: 134888  
 Ion Ratio Lower Upper  
 49 100  
 129 1.4 0.0 2.8  
 130 67.4 53.6 80.4



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: 57.106 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

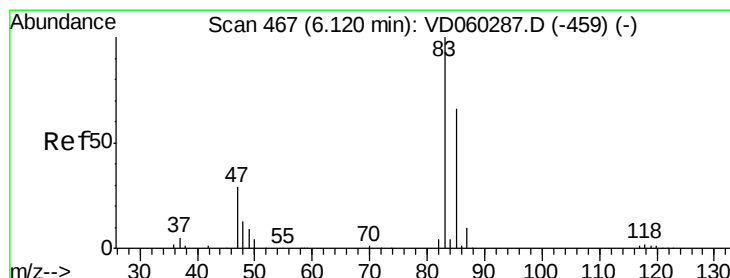
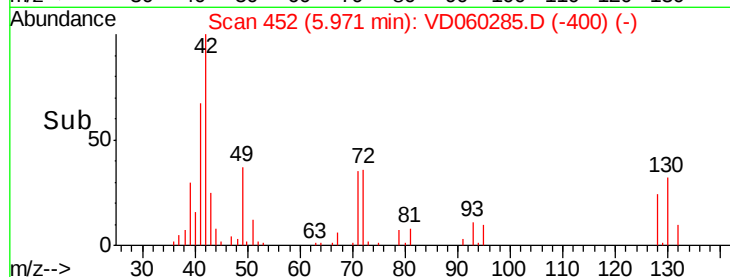
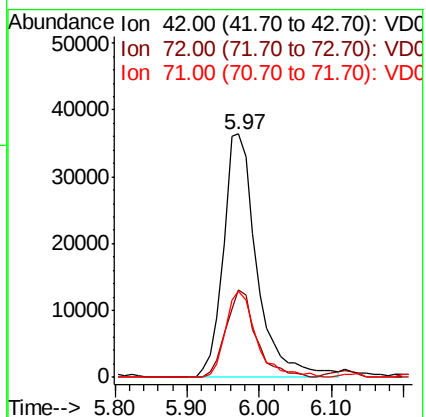
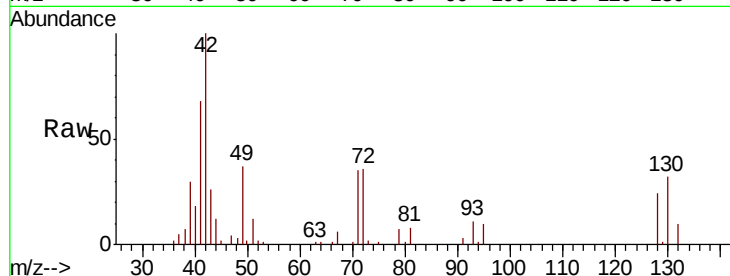
Tgt Ion: 42 Resp: 117443

Ion Ratio Lower Upper

42 100

72 32.2 27.6 41.4

71 32.5 26.5 39.7



#30

Chloroform

Concen: 11.022 ug/l

RT: 6.12 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060285.D

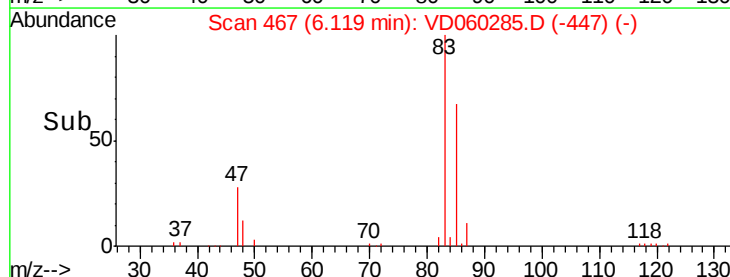
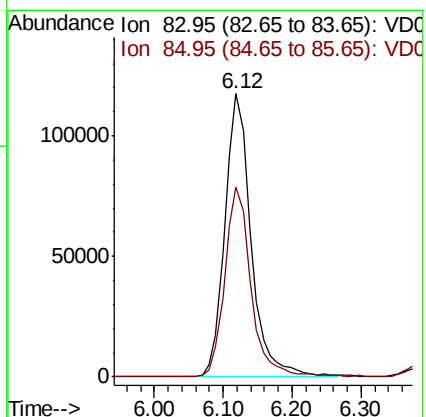
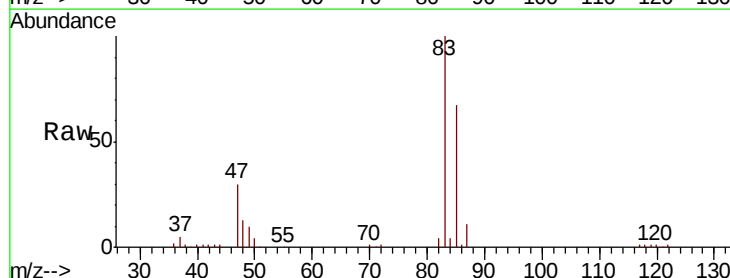
Acq: 6 Nov 2018 11:35

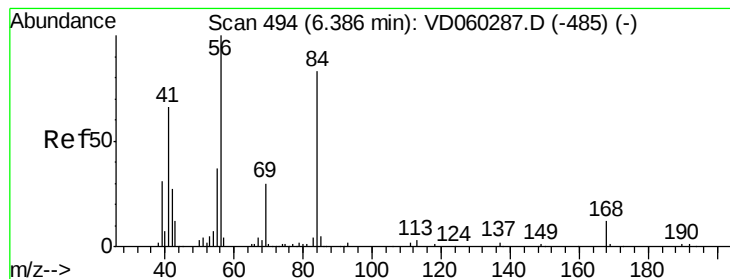
Tgt Ion: 83 Resp: 310625

Ion Ratio Lower Upper

83 100

85 67.3 52.5 78.7





#31

Cyclohexane

Concen: 11.801 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

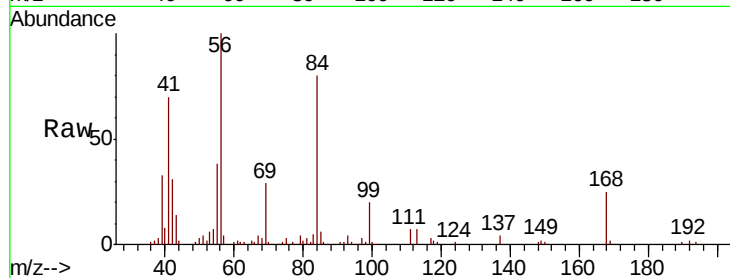
Tgt Ion: 56 Resp: 310902

Ion Ratio Lower Upper

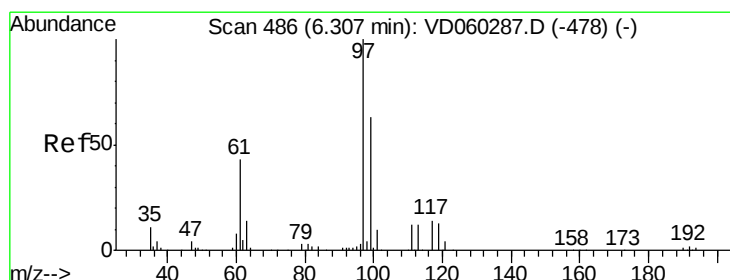
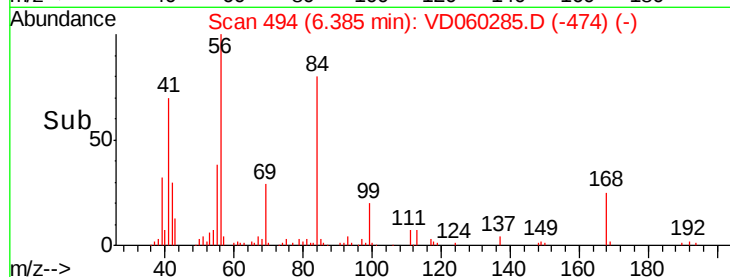
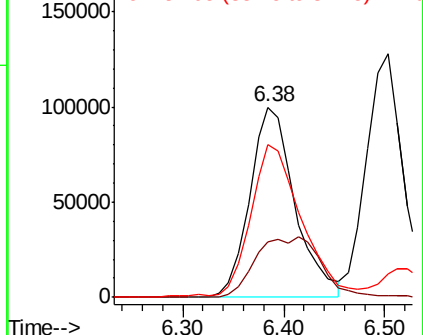
56 100

69 29.2 22.2 33.2

84 80.5 63.0 94.4



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: 11.198 ug/l

RT: 6.31 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

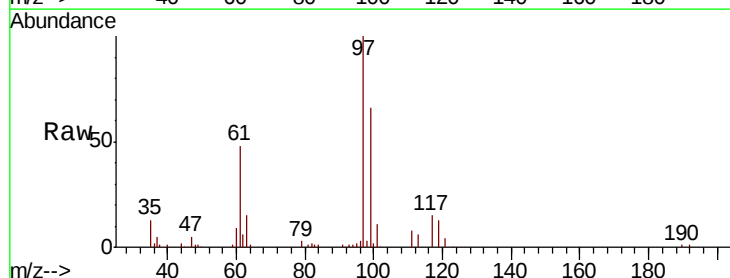
Tgt Ion: 97 Resp: 260175

Ion Ratio Lower Upper

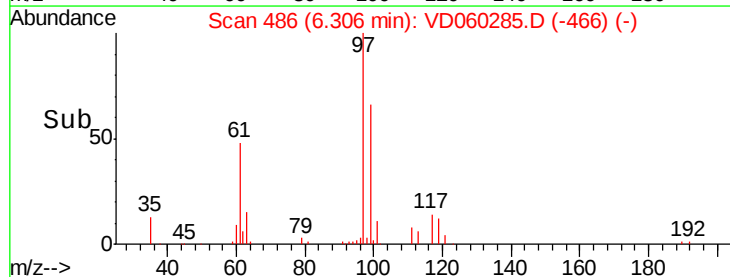
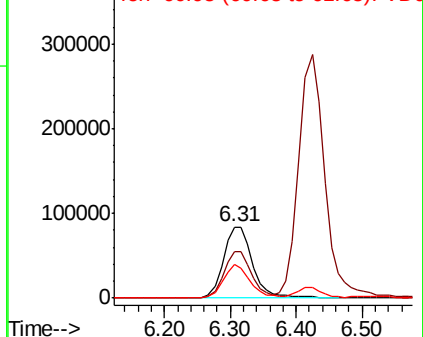
97 100

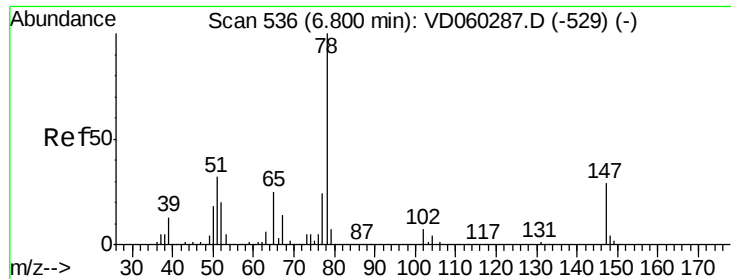
99 65.8 51.5 77.3

61 48.0 35.8 53.8



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: 11.198 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampled :

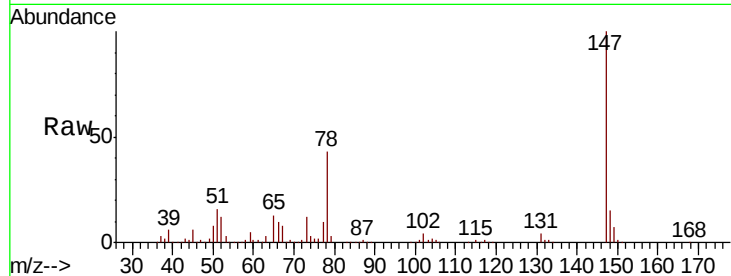
VSTDIC010

Tgt Ion: 65 Resp: 126468

Ion Ratio Lower Upper

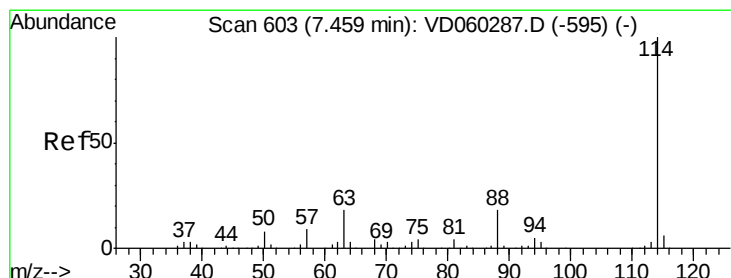
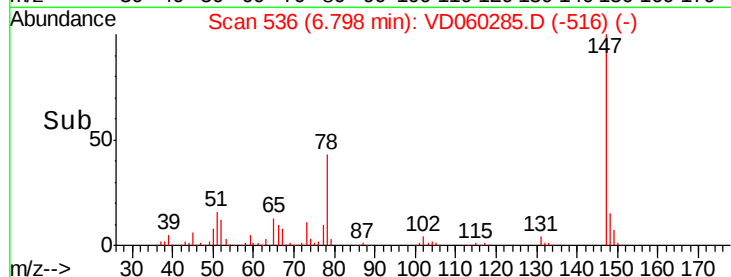
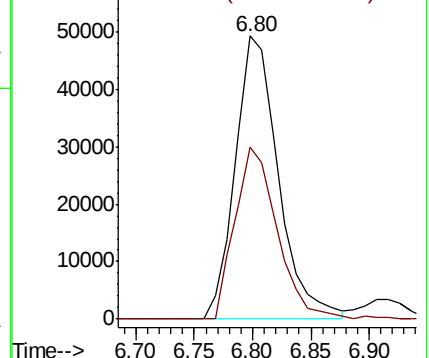
65 100

67 60.6 0.0 109.8



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: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

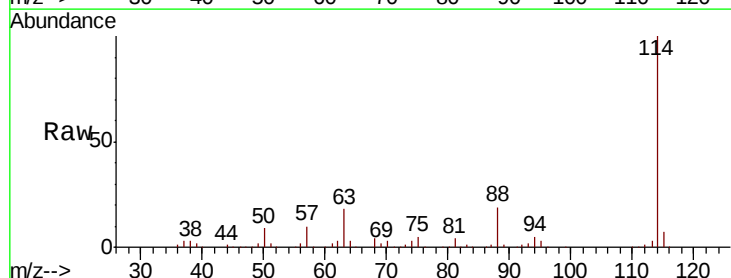
Tgt Ion: 114 Resp: 2246602

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

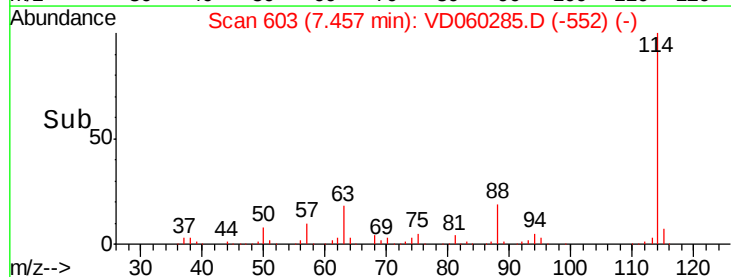
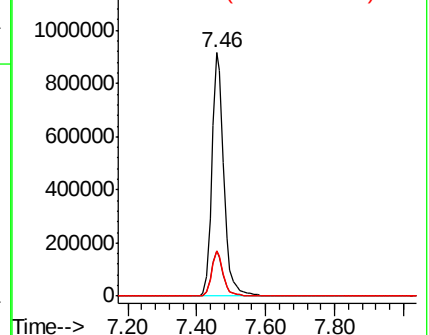
88 18.5 0.0 35.4

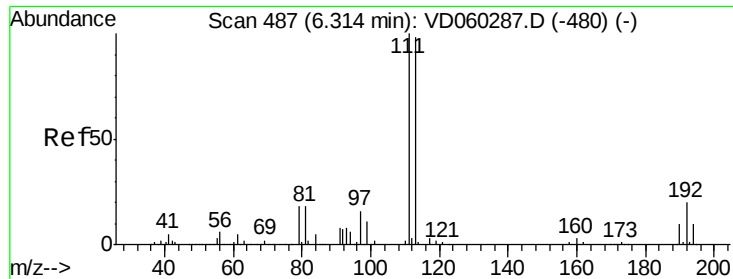


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

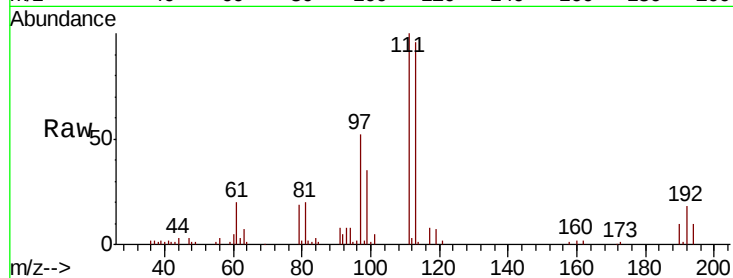




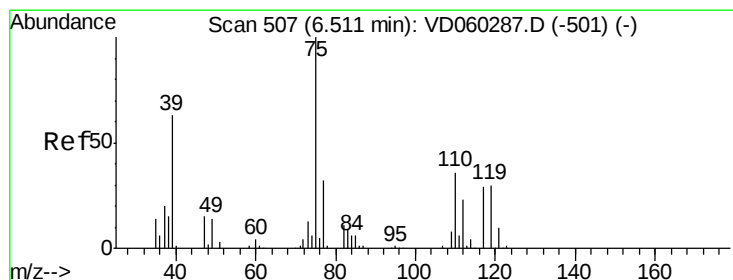
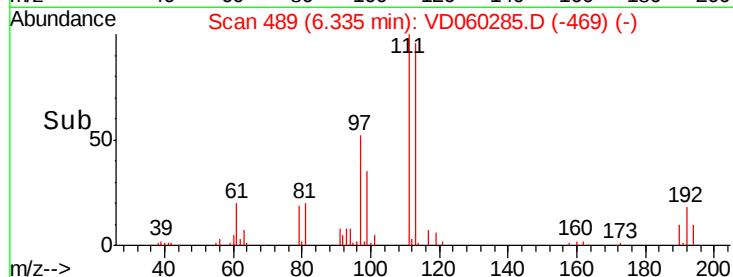
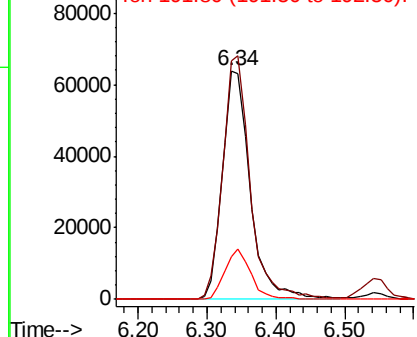
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 6.34 min Scan# 489  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 113 Resp: 180086  
 Ion Ratio Lower Upper  
 113 100  
 111 104.3 81.6 122.4  
 192 18.7 16.5 24.7

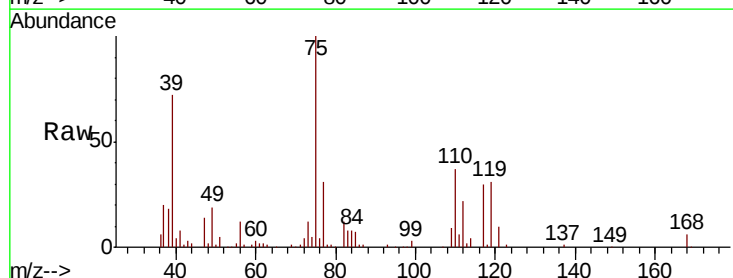


Abundance Ion 112.90 (112.60 to 113.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 191.80 (191.50 to 192.50): V

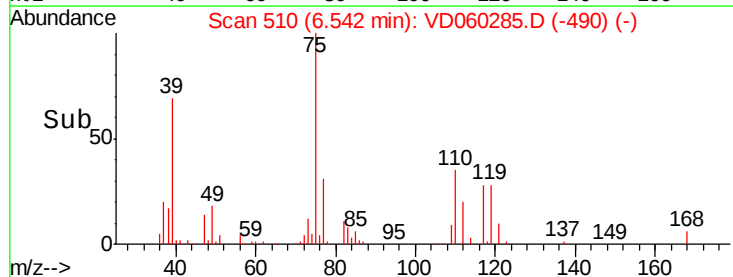
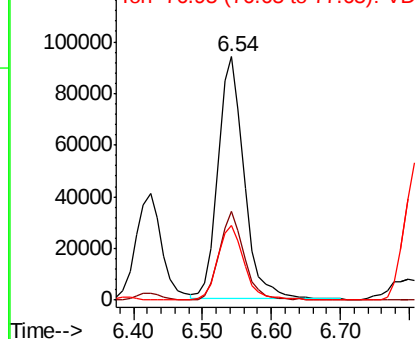


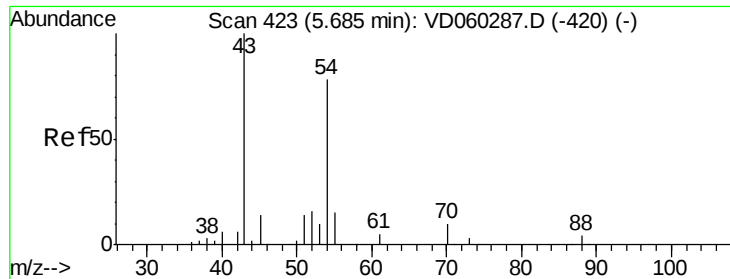
#36  
 1,1-Dichloropropene  
 Concen: 11.325 ug/l  
 RT: 6.54 min Scan# 510  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Tgt Ion: 75 Resp: 245963  
 Ion Ratio Lower Upper  
 75 100  
 110 36.6 18.0 54.0  
 77 30.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): V  
 Ion 109.90 (109.60 to 110.60): V  
 Ion 76.95 (76.65 to 77.65): V

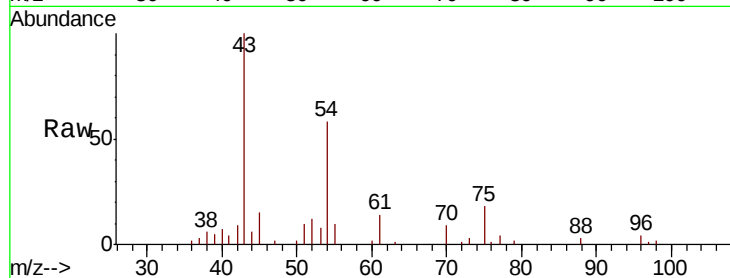




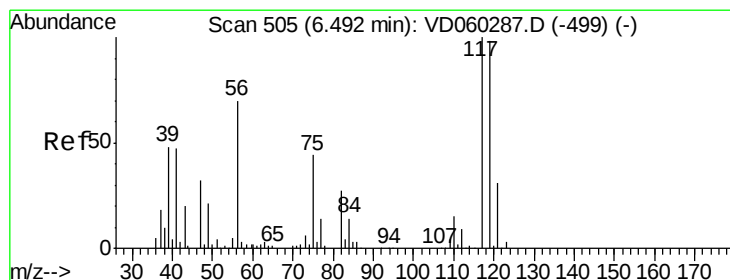
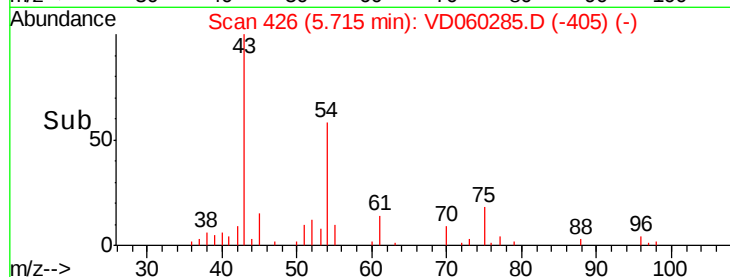
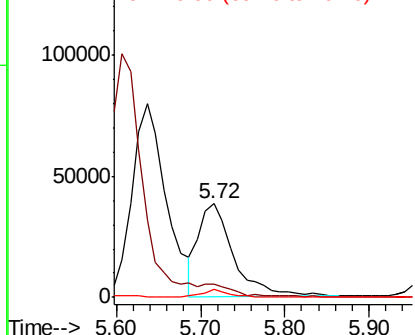
#37  
Ethyl Acetate  
Concen: 11.308 ug/l  
RT: 5.72 min Scan# 426  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tgt Ion: 43 Resp: 109615  
Ion Ratio Lower Upper  
43 100  
61 14.4 11.8 17.6  
70 8.7 6.2 9.4

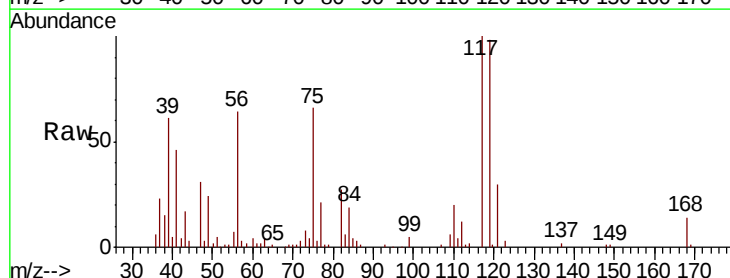


Abundance Ion 42.95 (42.65 to 43.65): VDC  
Ion 60.95 (60.65 to 61.65): VDC  
Ion 70.00 (69.70 to 70.70): VDC

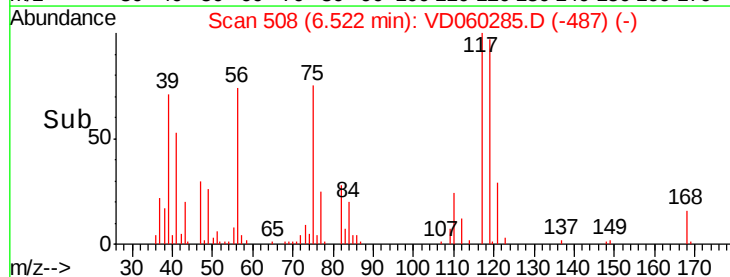
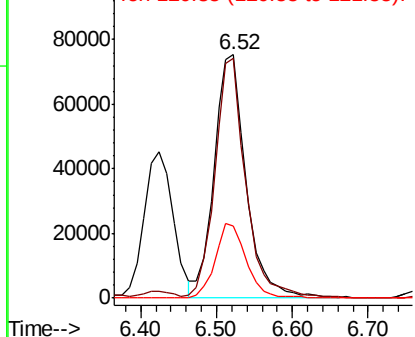


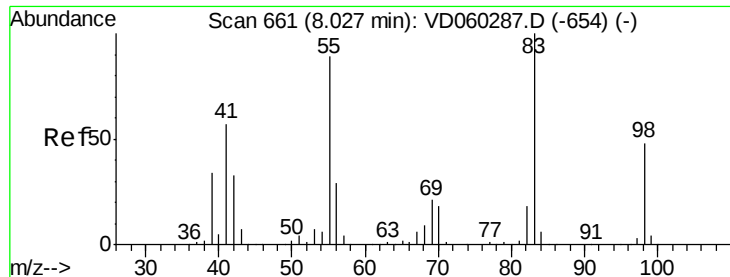
#38  
Carbon Tetrachloride  
Concen: 11.194 ug/l  
RT: 6.52 min Scan# 508  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion: 117 Resp: 221571  
Ion Ratio Lower Upper  
117 100  
119 98.3 76.6 115.0  
121 29.7 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55): V  
Ion 118.85 (118.55 to 119.55): V  
Ion 120.85 (120.55 to 121.55): V

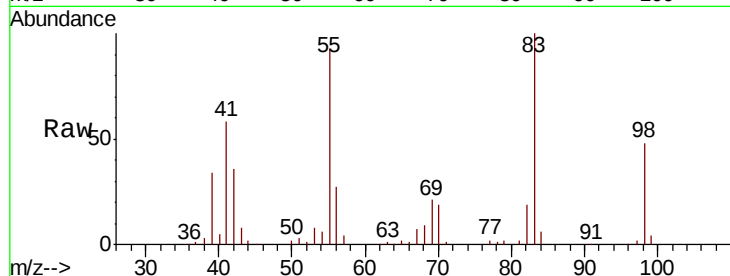




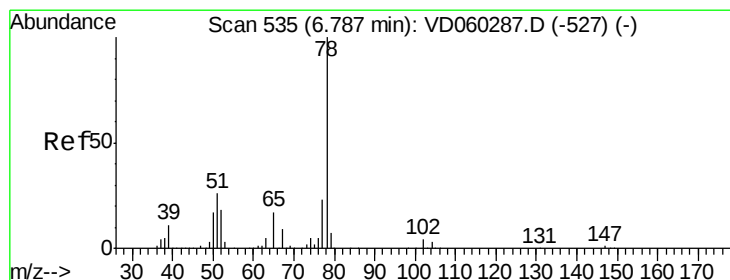
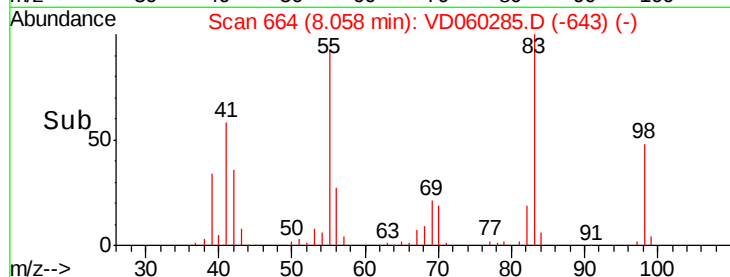
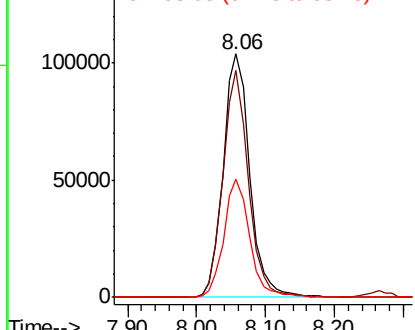
#39  
Methylcyclohexane  
Concen: 11.389 ug/l  
RT: 8.06 min Scan# 664  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tgt Ion: 83 Resp: 278128  
Ion Ratio Lower Upper  
83 100  
55 93.0 71.2 106.8  
98 48.3 38.4 57.6

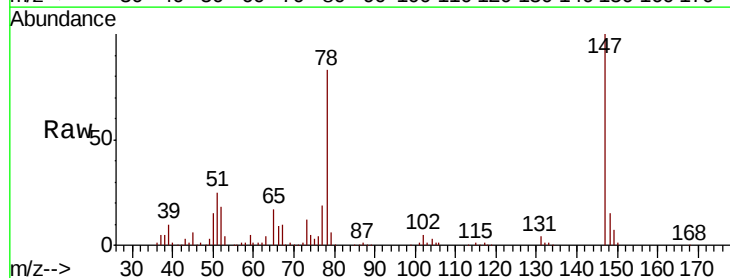


Abundance Ion 83.05 (82.75 to 83.75): VDC  
Ion 55.00 (54.70 to 55.70): VDC  
Ion 98.05 (97.75 to 98.75): VDC

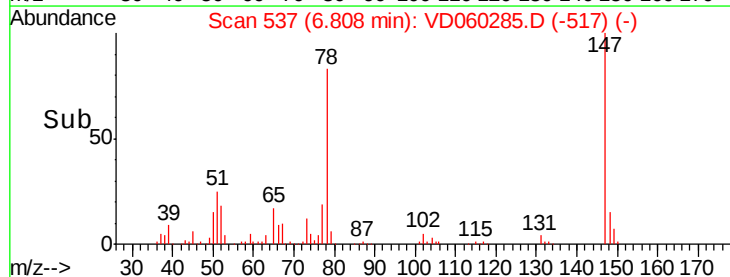
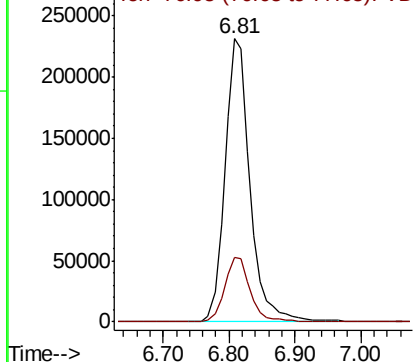


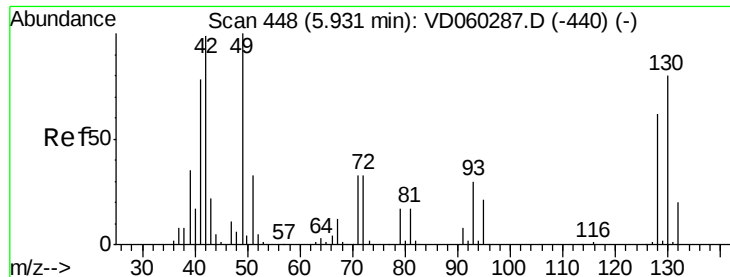
#40  
Benzene  
Concen: 10.922 ug/l  
RT: 6.81 min Scan# 537  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion: 78 Resp: 612062  
Ion Ratio Lower Upper  
78 100  
77 23.0 18.8 28.2



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





#41

Methacrylonitrile

Concen: 19.733 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 126374

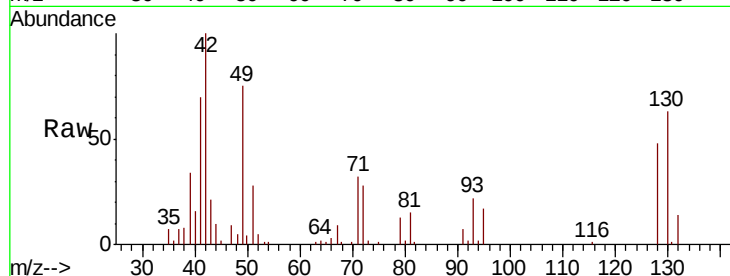
Ion Ratio Lower Upper

41 100

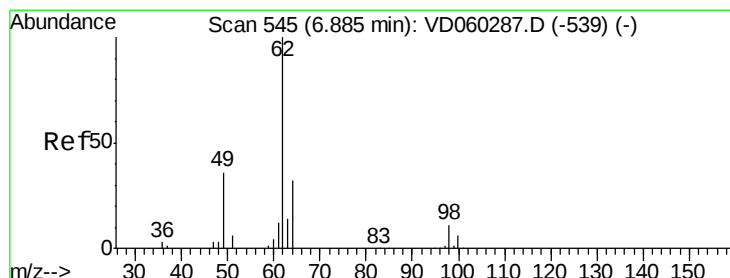
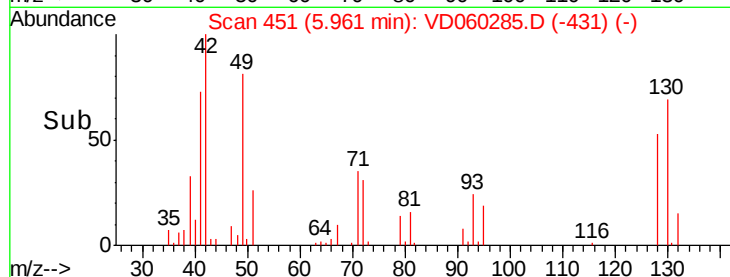
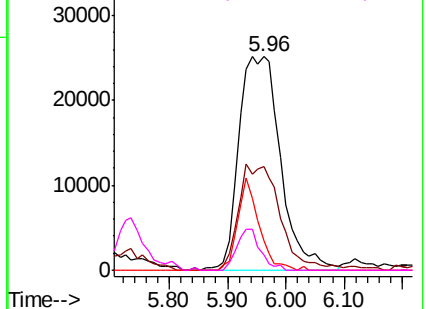
39 48.5 36.2 54.2

67 13.5 11.9 17.9

52 7.2 5.2 7.8



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: 10.939 ug/l

RT: 6.92 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD060285.D

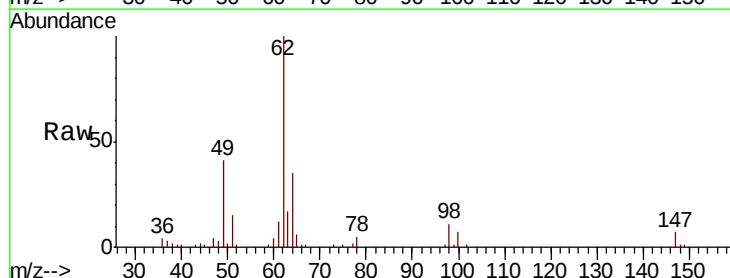
Acq: 6 Nov 2018 11:35

Tgt Ion: 62 Resp: 158906

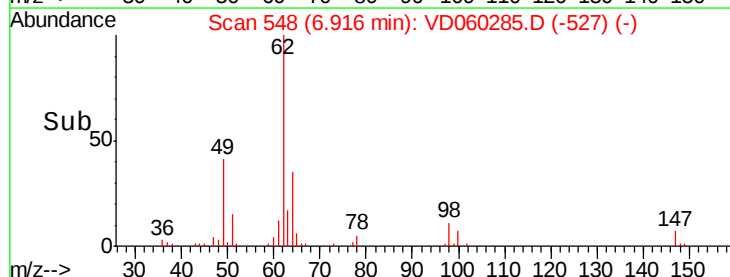
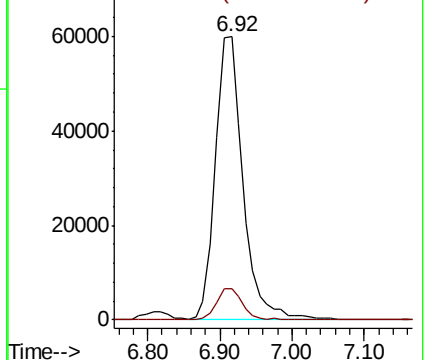
Ion Ratio Lower Upper

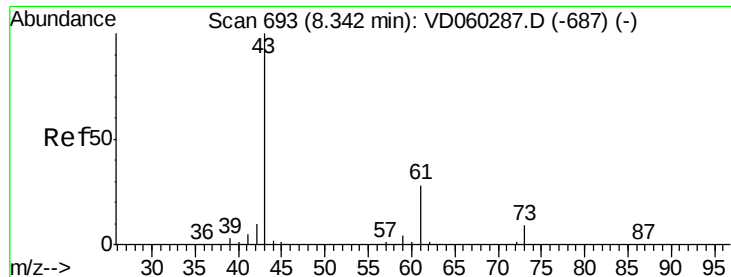
62 100

98 10.8 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC  
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 10.798 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

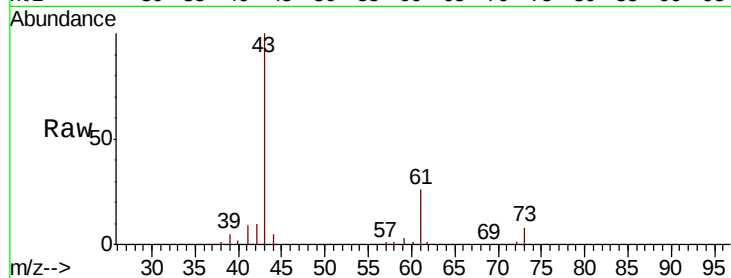
Tgt Ion: 43 Resp: 135102

Ion Ratio Lower Upper

43 100

61 26.1 22.3 33.5

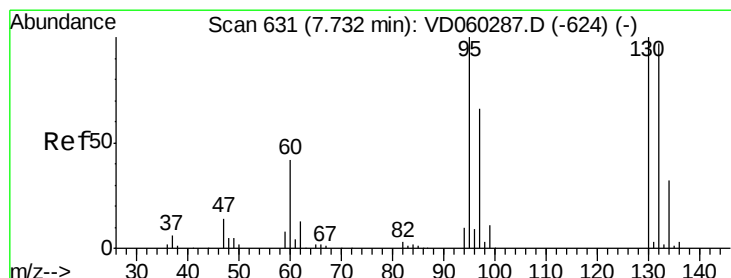
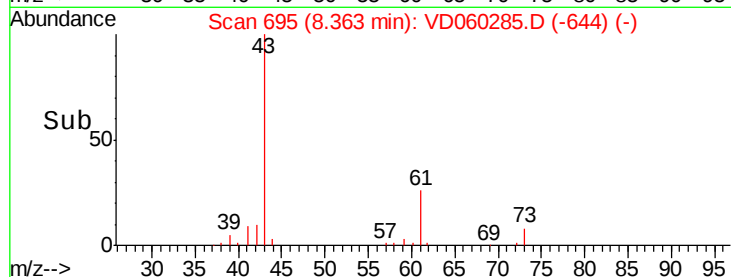
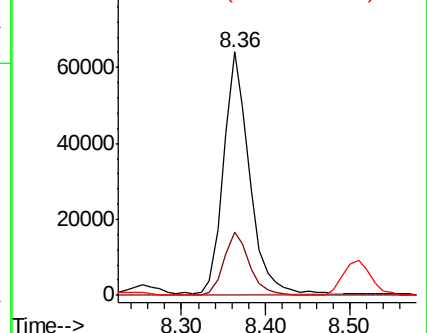
87 0.0 0.2 0.2#



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: 10.436 ug/l

RT: 7.76 min Scan# 634

Delta R.T. 0.01 min

Lab File: VD060285.D

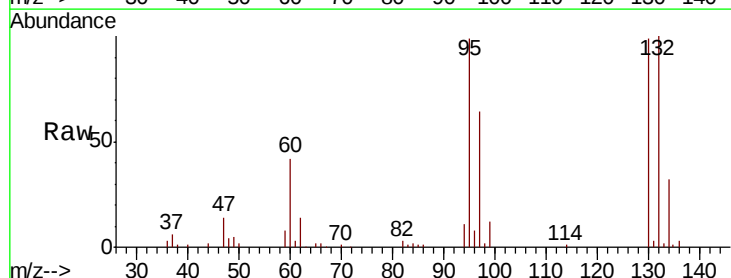
Acq: 6 Nov 2018 11:35

Tgt Ion:130 Resp: 178729

Ion Ratio Lower Upper

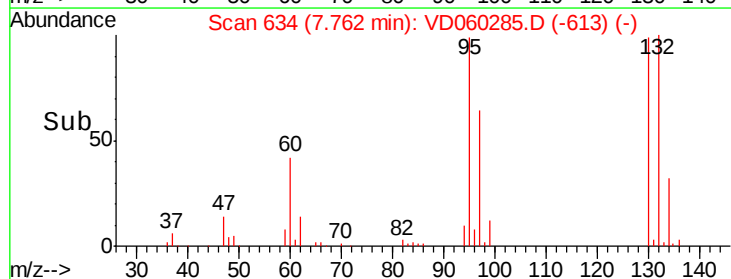
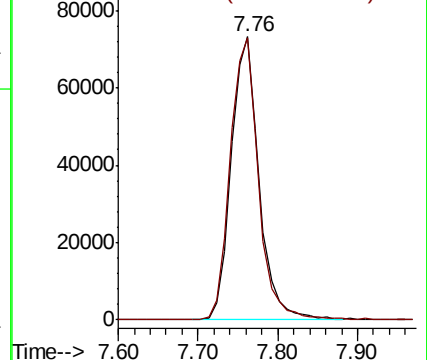
130 100

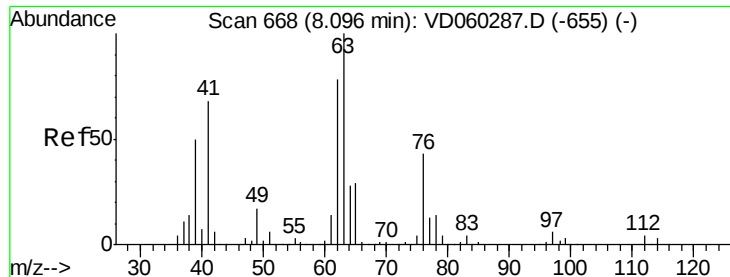
95 99.5 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.683 ug/l

RT: 8.12 min Scan# 670

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

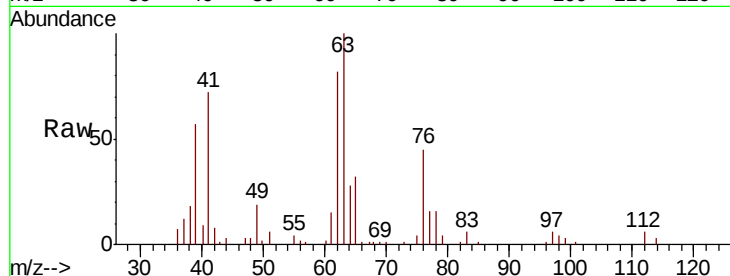
VSTDIC010

Tgt Ion: 63 Resp: 149333

Ion Ratio Lower Upper

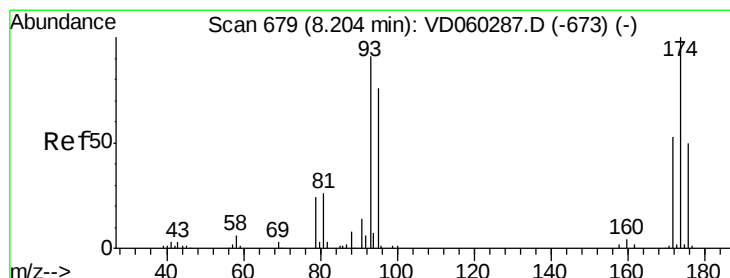
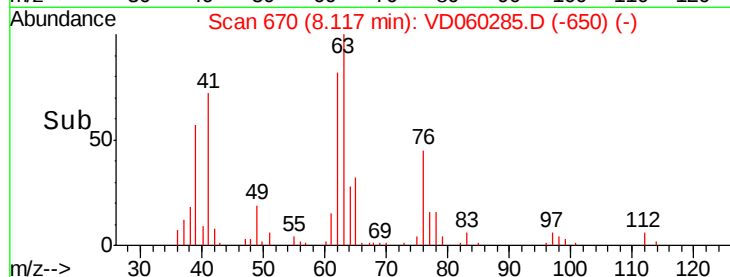
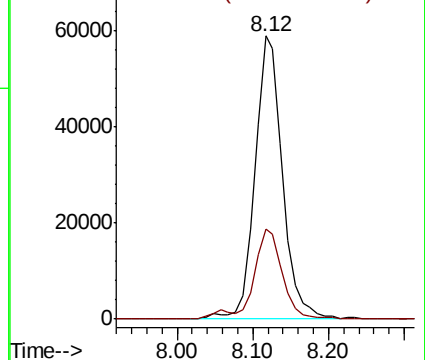
63 100

65 31.8 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 11.124 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

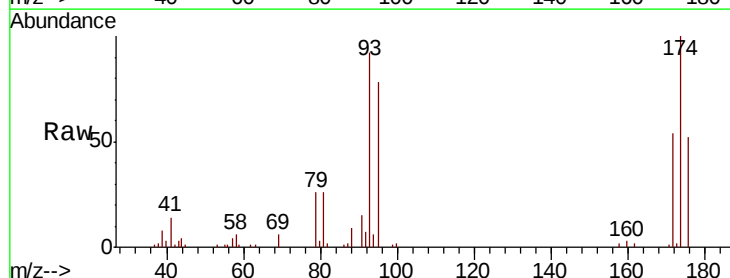
Tgt Ion: 93 Resp: 89160

Ion Ratio Lower Upper

93 100

95 85.1 66.4 99.6

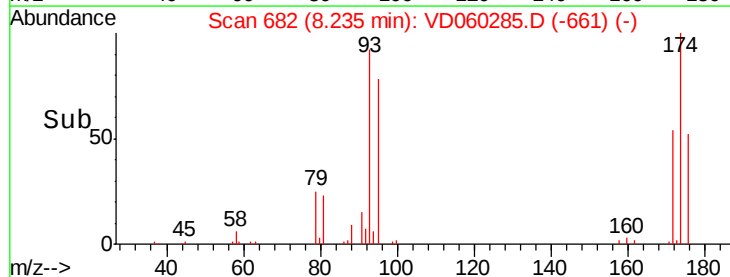
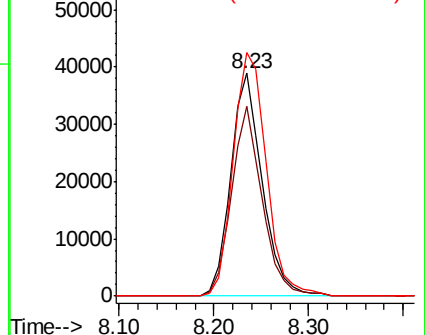
174 109.2 87.8 131.8

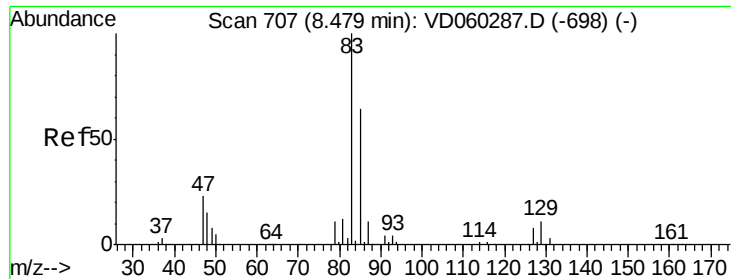


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 10.726 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

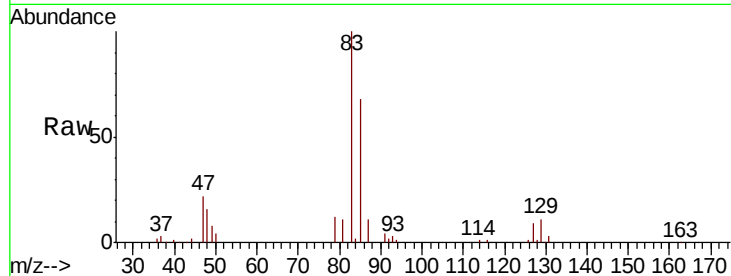
Tgt Ion: 83 Resp: 206930

Ion Ratio Lower Upper

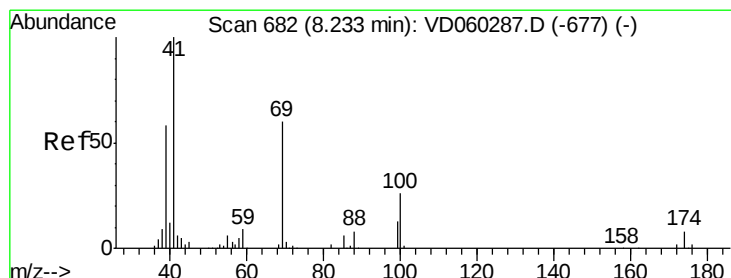
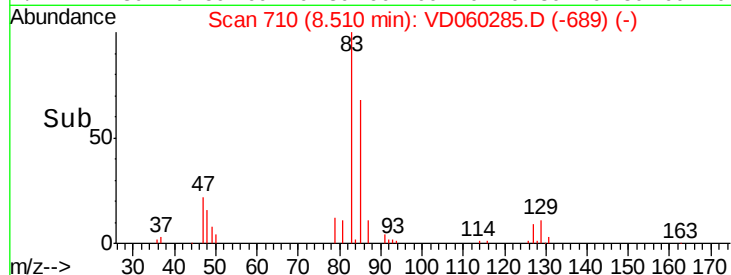
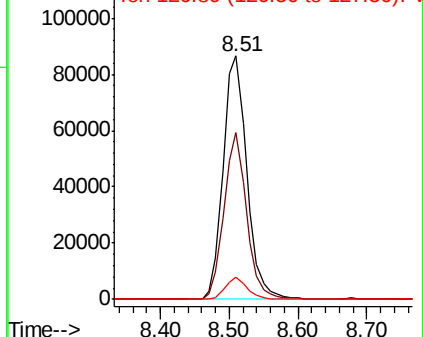
83 100

85 68.3 51.0 76.6

127 9.2 6.2 9.4



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: 11.055 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

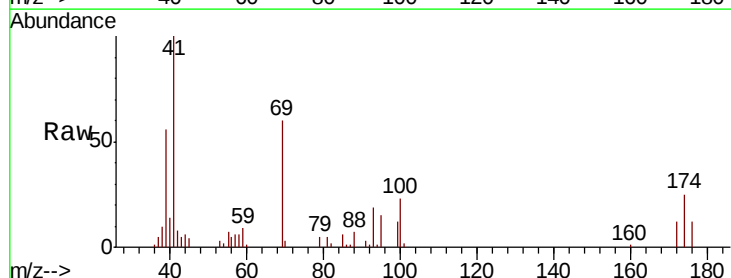
Tgt Ion: 41 Resp: 82877

Ion Ratio Lower Upper

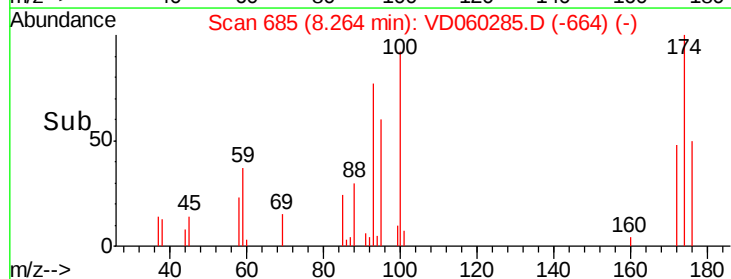
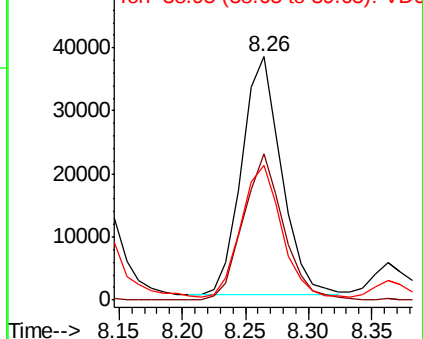
41 100

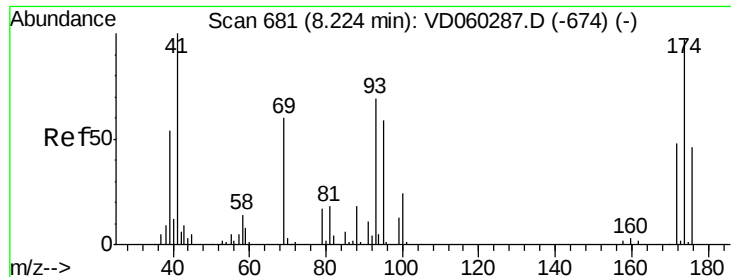
69 60.0 47.0 70.4

39 55.6 46.2 69.4



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: 215.170 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

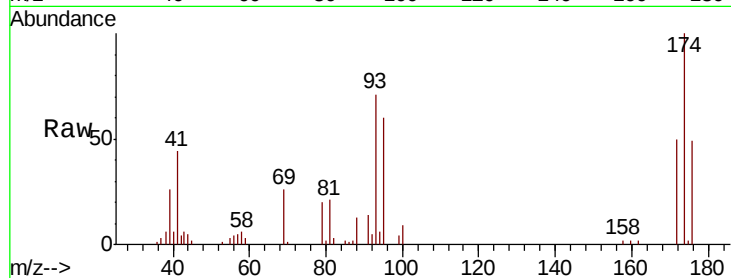
Tgt Ion: 88 Resp: 14441

Ion Ratio Lower Upper

88 100

43 44.1 39.7 59.5

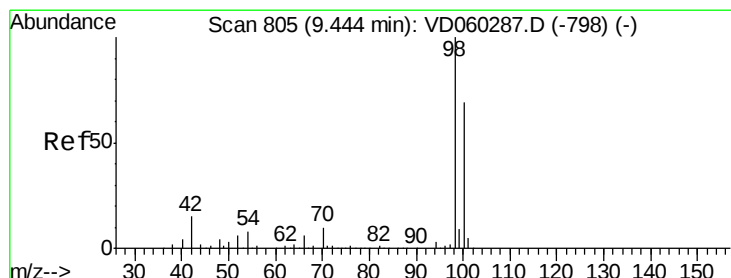
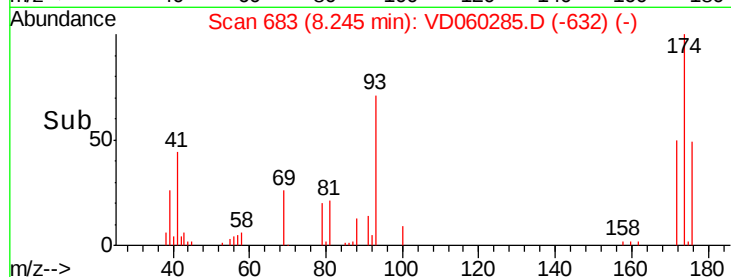
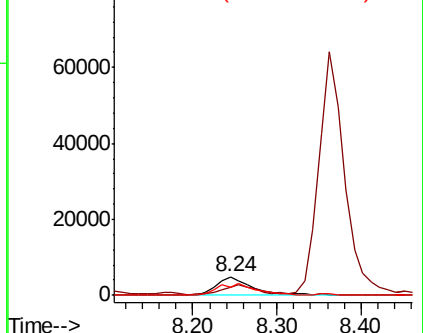
58 44.5 60.2 90.2#



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: 215.170 ug/l

RT: 9.47 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060285.D

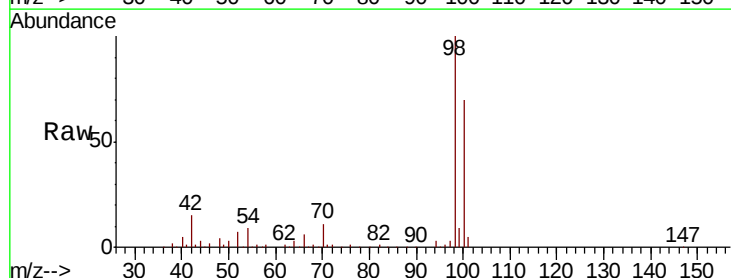
Acq: 6 Nov 2018 11:35

Tgt Ion: 98 Resp: 529867

Ion Ratio Lower Upper

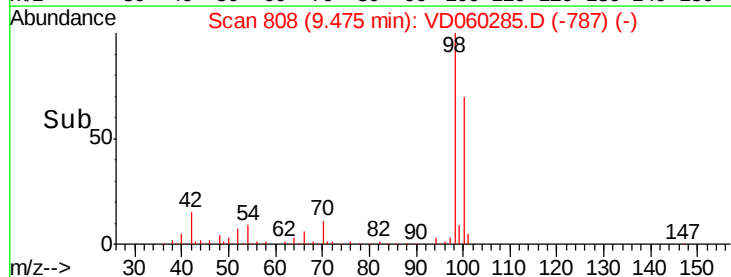
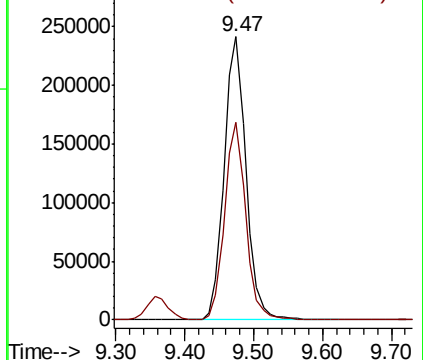
98 100

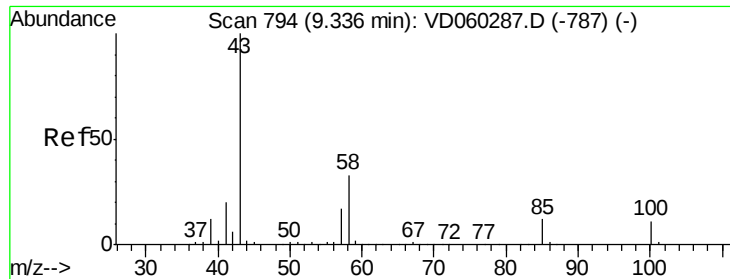
100 69.8 55.2 82.8



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: 57.804 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

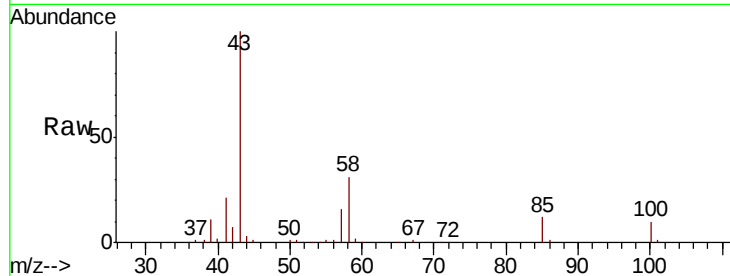
VSTDIC010

Tgt Ion: 43 Resp: 456469

Ion Ratio Lower Upper

43 100

58 31.3 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.36

200000

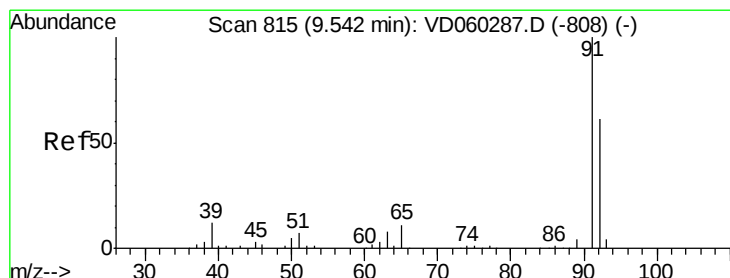
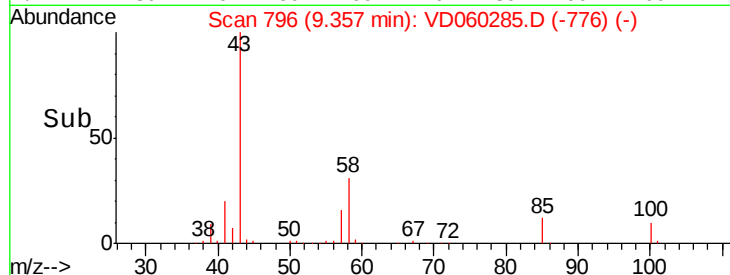
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 11.058 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060285.D

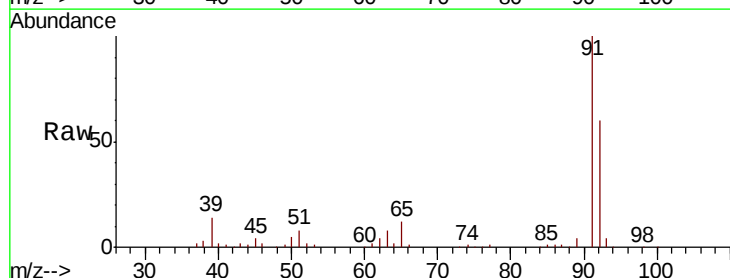
Acq: 6 Nov 2018 11:35

Tgt Ion: 92 Resp: 392119

Ion Ratio Lower Upper

92 100

91 166.2 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.56

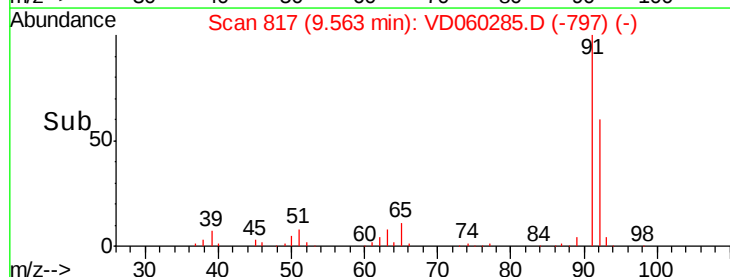
300000

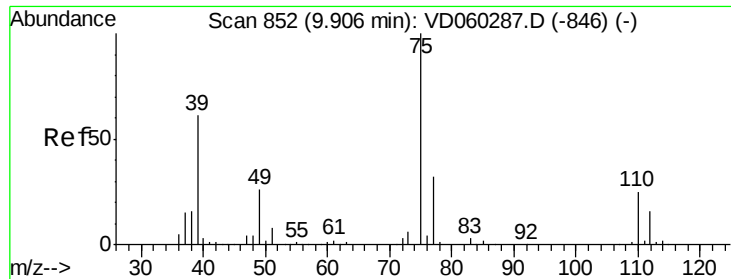
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 10.687 ug/l

RT: 9.94 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

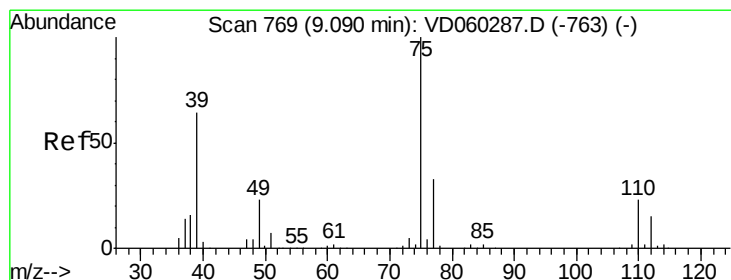
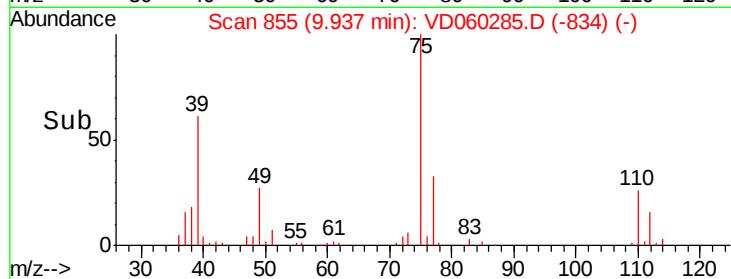
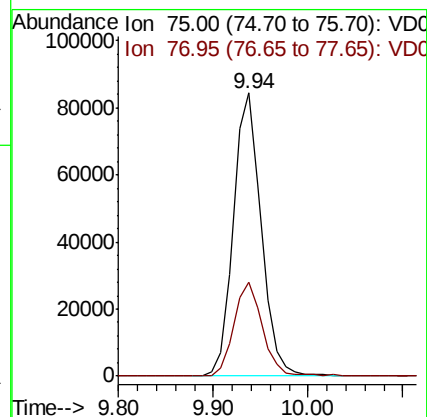
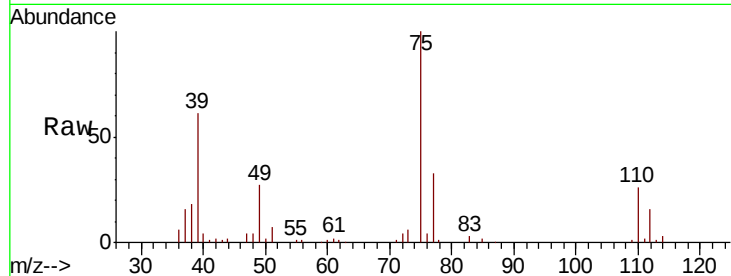
VSTDIC010

Tgt Ion: 75 Resp: 171044

Ion Ratio Lower Upper

75 100

77 33.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 10.990 ug/l

RT: 9.12 min Scan# 772

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

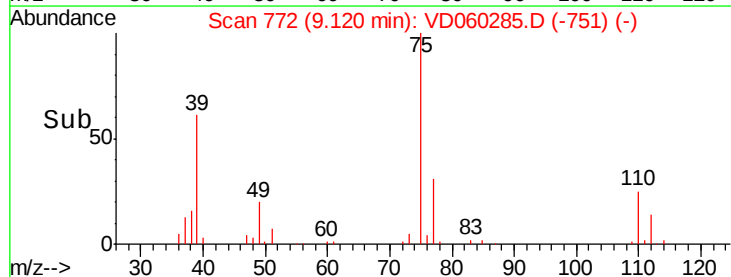
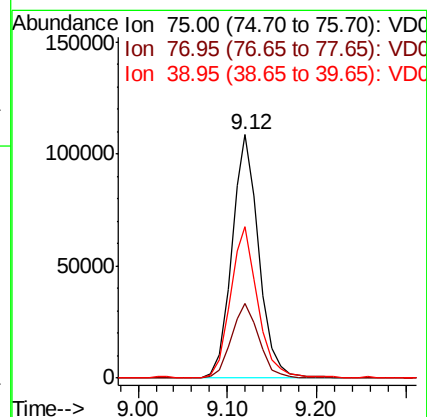
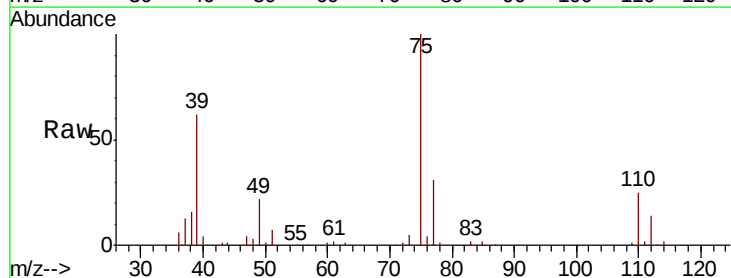
Tgt Ion: 75 Resp: 229515

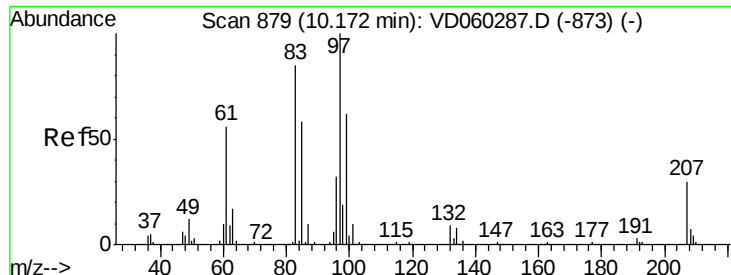
Ion Ratio Lower Upper

75 100

77 30.7 26.3 39.5

39 62.1 50.8 76.2

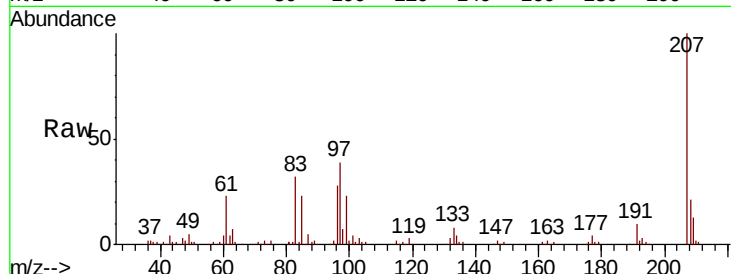




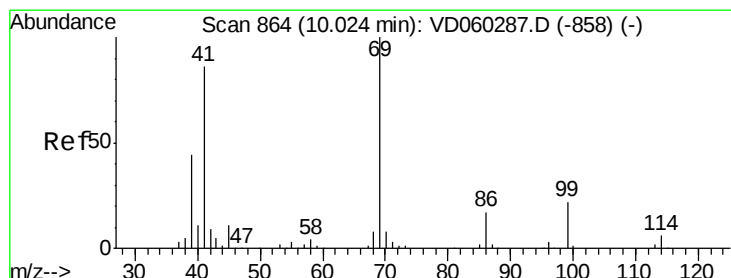
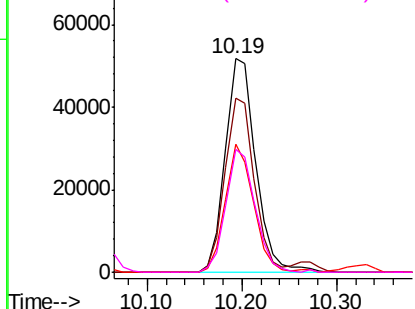
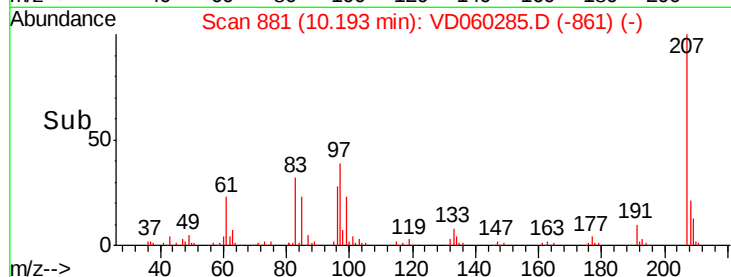
#55  
 1,1,2-Trichloroethane  
 Concen: 11.644 ug/l  
 RT: 10.19 min Scan# 881  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 115515 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 81.7  | 68.4  | 102.6  |
| 85       | 59.8  | 46.8  | 70.2   |
| 99       | 57.3  | 49.5  | 74.3   |

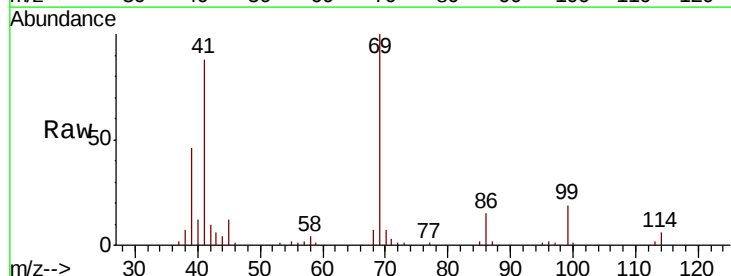


Abundance Ion 96.85 (96.55 to 97.55): VDC  
 Ion 82.95 (82.65 to 83.65): VDC  
 Ion 84.95 (84.65 to 85.65): VDC  
 Ion 98.85 (98.55 to 99.55): VDC

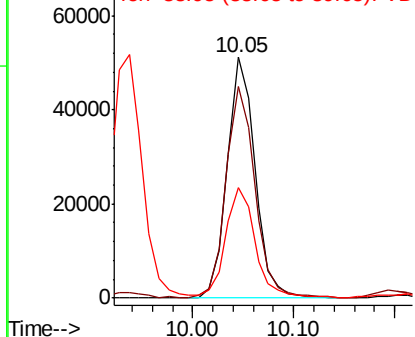
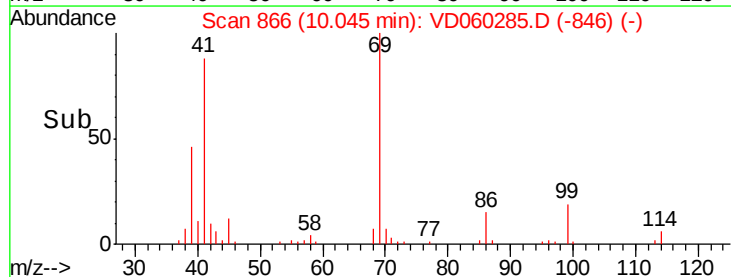


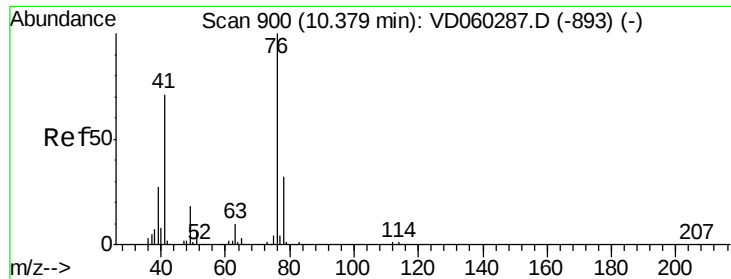
#56  
 Ethyl methacrylate  
 Concen: 10.416 ug/l  
 RT: 10.05 min Scan# 866  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 98230 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 87.9  | 69.0  | 103.4 |
| 39       | 46.0  | 36.6  | 54.8  |



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: 11.138 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

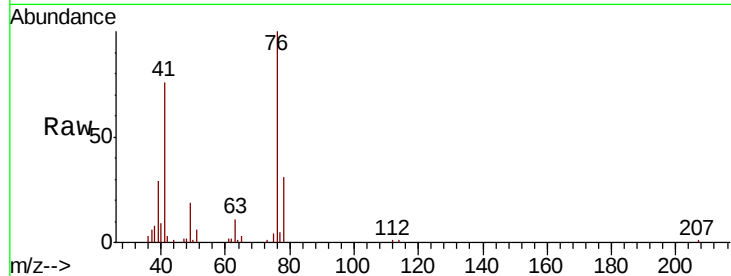
VSTDIC010

Tgt Ion: 76 Resp: 168847

Ion Ratio Lower Upper

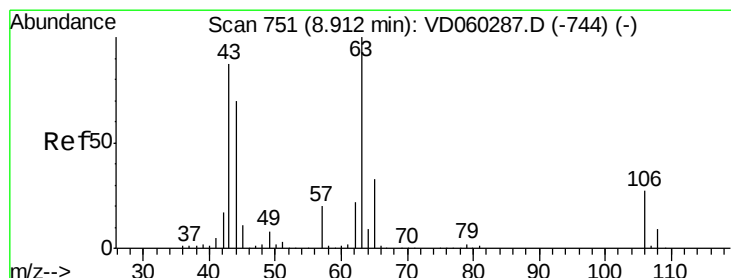
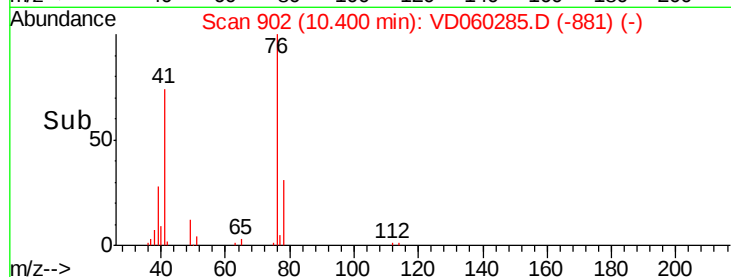
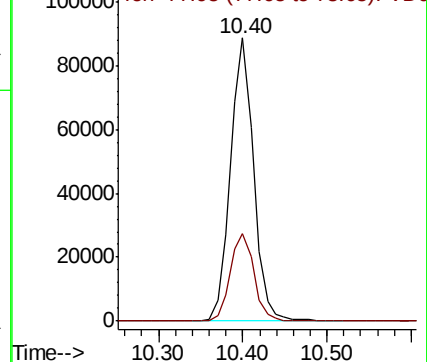
76 100

78 30.8 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 54.355 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060285.D

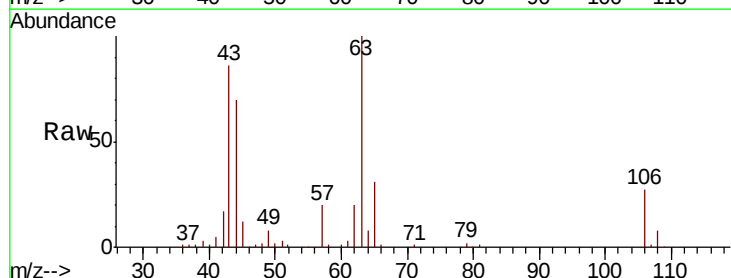
Acq: 6 Nov 2018 11:35

Tgt Ion: 63 Resp: 303053

Ion Ratio Lower Upper

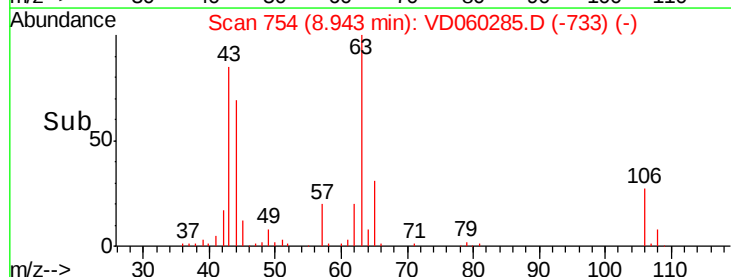
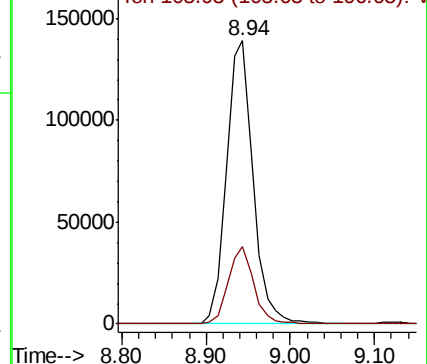
63 100

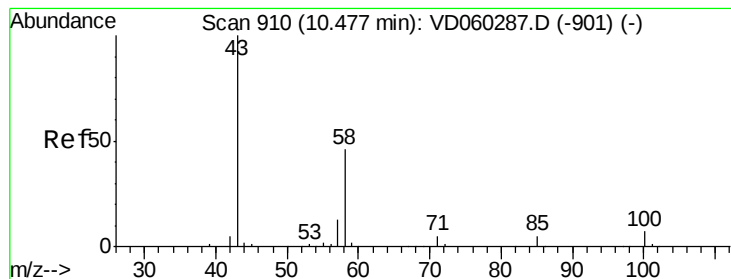
106 27.2 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 56.820 ug/l

RT: 10.50 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

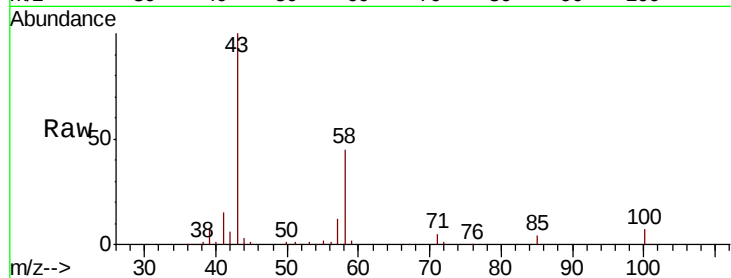
VSTDIC010

Tgt Ion: 43 Resp: 330467

Ion Ratio Lower Upper

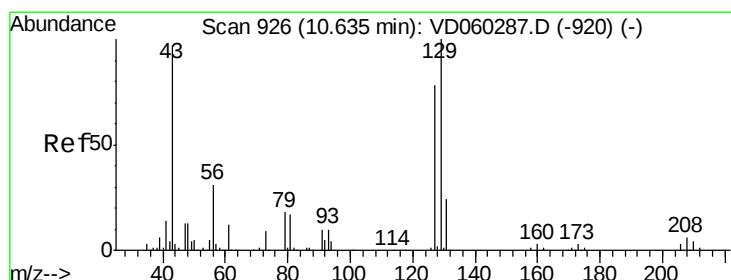
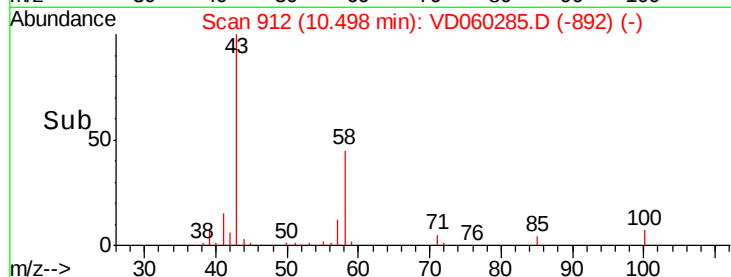
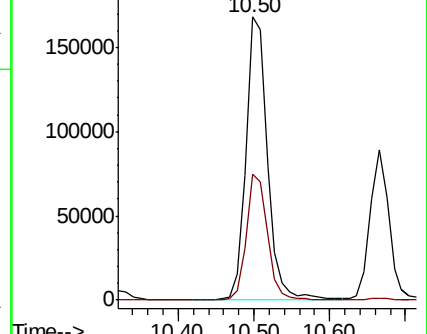
43 100

58 44.5 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 10.315 ug/l

RT: 10.66 min Scan# 928

Delta R.T. 0.01 min

Lab File: VD060285.D

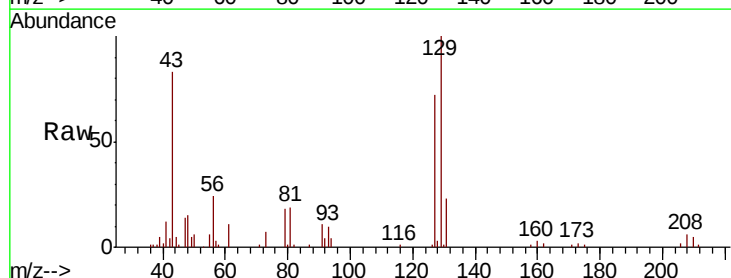
Acq: 6 Nov 2018 11:35

Tgt Ion: 129 Resp: 129718

Ion Ratio Lower Upper

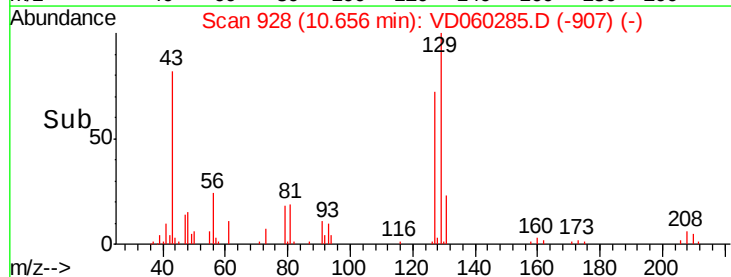
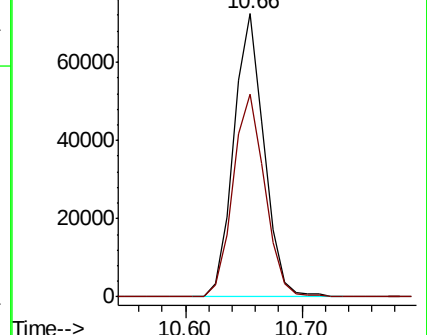
129 100

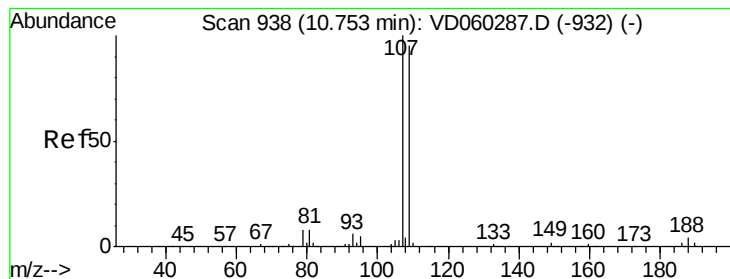
127 71.9 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 11.073 ug/l

RT: 10.77 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

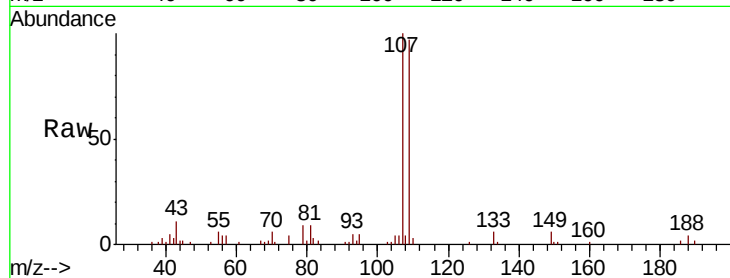
VSTDIC010

Tgt Ion: 107 Resp: 111453

Ion Ratio Lower Upper

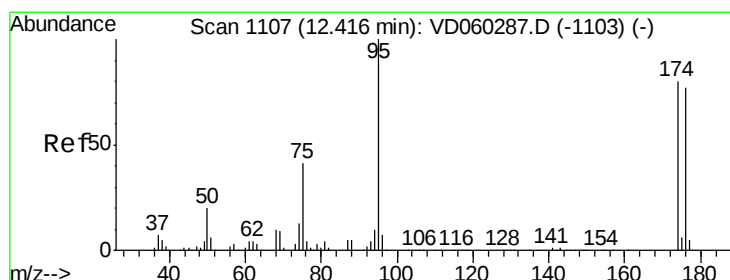
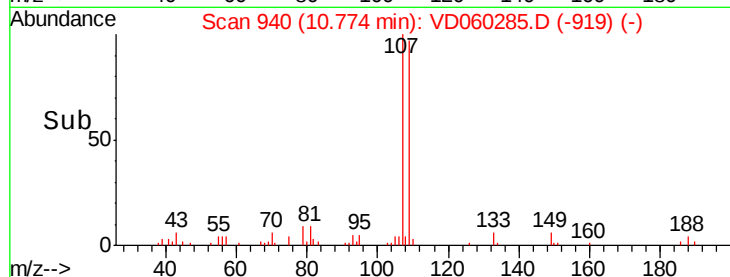
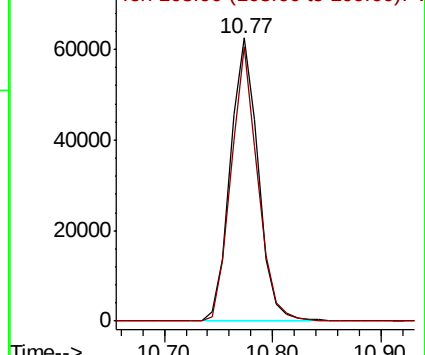
107 100

109 96.9 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 11.073 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

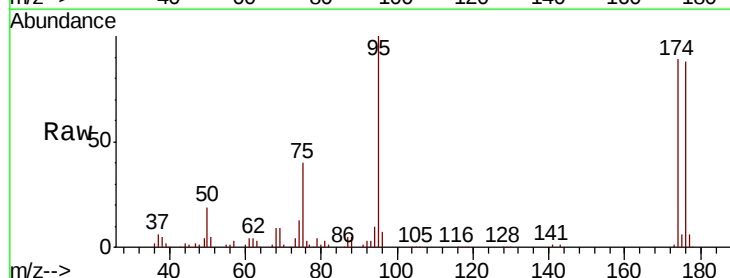
Tgt Ion: 95 Resp: 194356

Ion Ratio Lower Upper

95 100

174 88.9 0.0 160.8

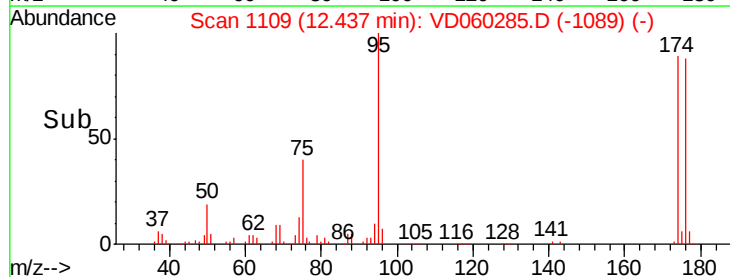
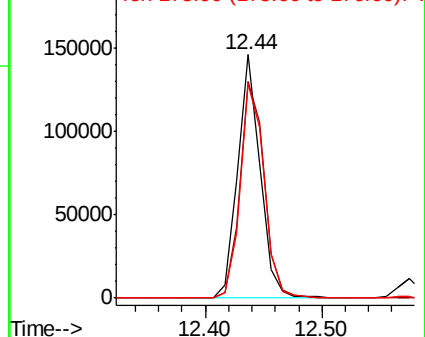
176 87.9 0.0 154.6

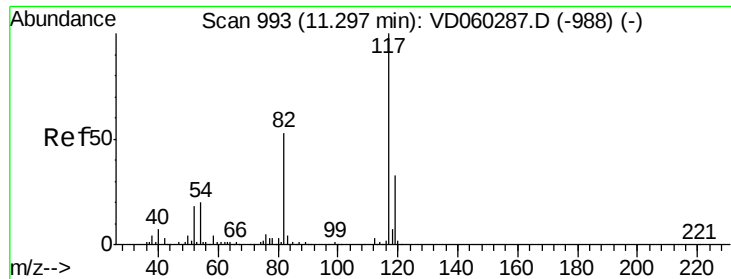


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

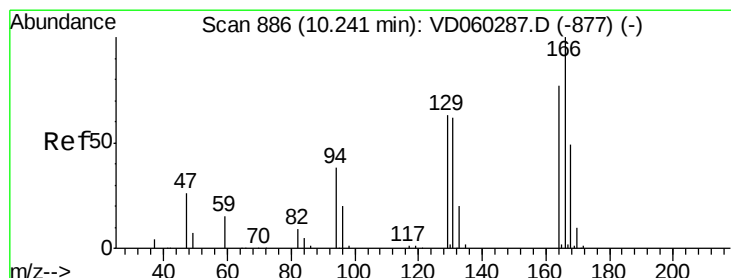
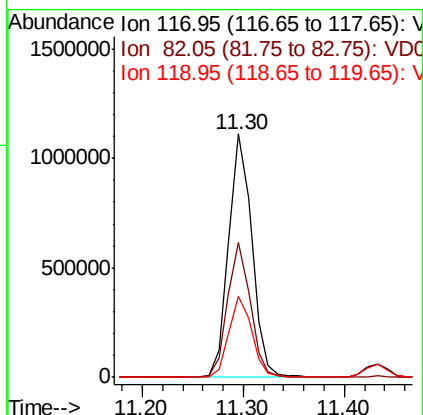
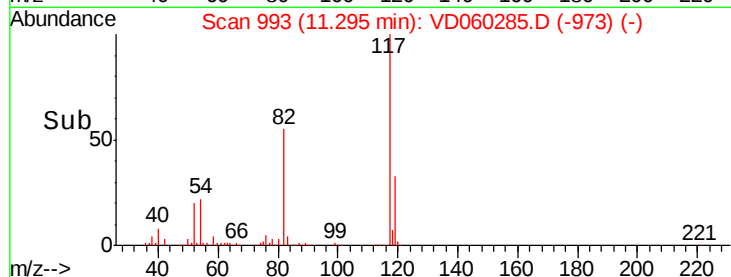
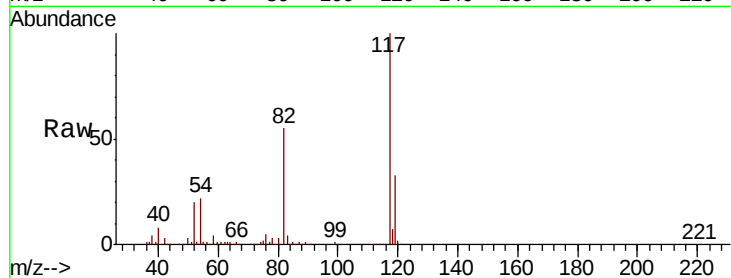




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.30 min Scan# 993  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

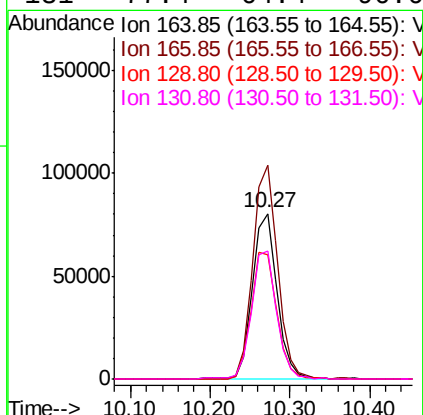
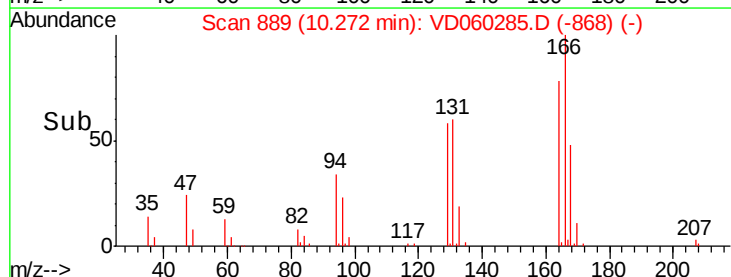
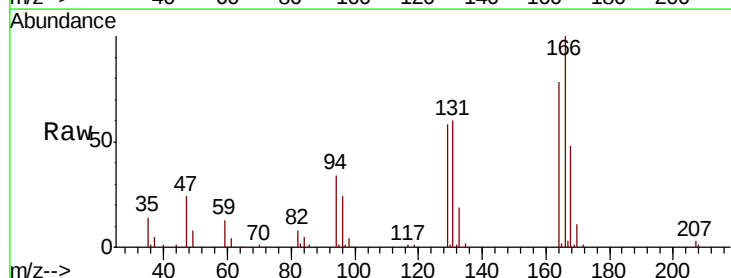
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

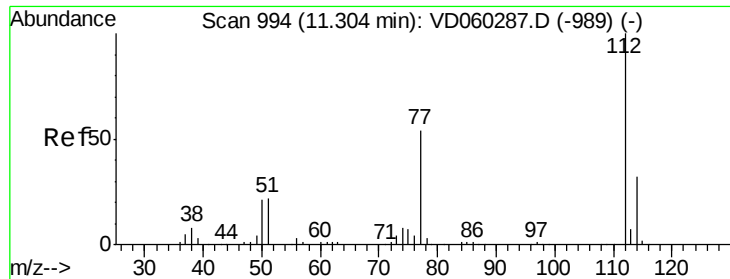
Tgt Ion:117 Resp: 1772109  
Ion Ratio Lower Upper  
117 100  
82 55.3 43.7 65.5  
119 33.0 26.1 39.1



#64  
Tetrachloroethene  
Concen: 10.944 ug/l  
RT: 10.27 min Scan# 889  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion:164 Resp: 169940  
Ion Ratio Lower Upper  
164 100  
166 129.0 103.7 155.5  
129 74.8 65.6 98.4  
131 77.4 64.4 96.6

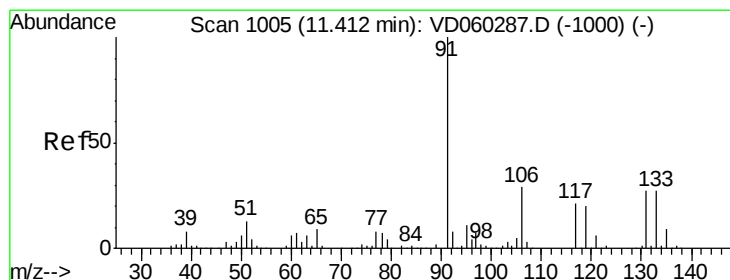
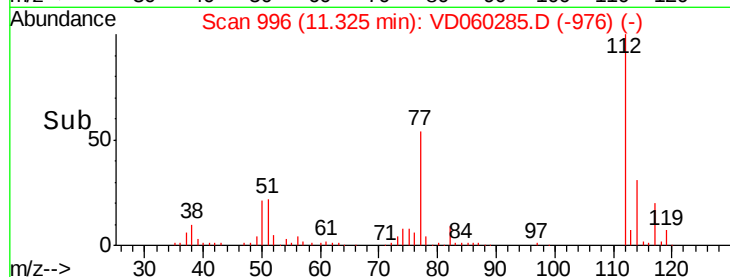
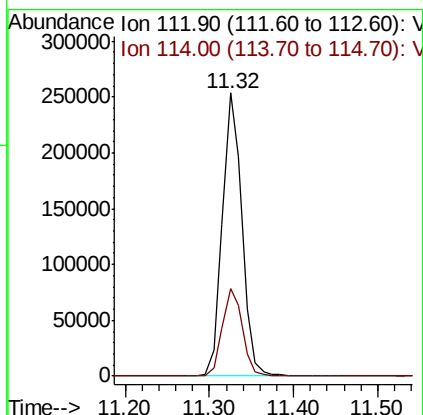
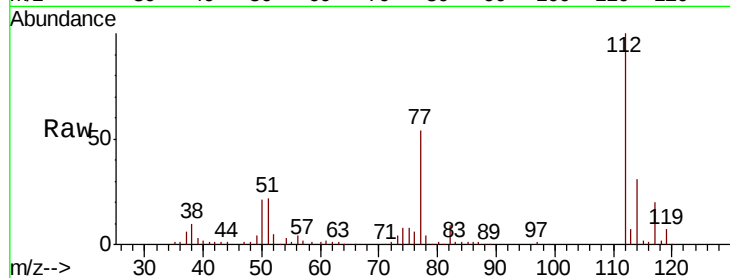




#65  
Chlorobenzene  
Concen: 10.750 ug/l  
RT: 11.32 min Scan# 996  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

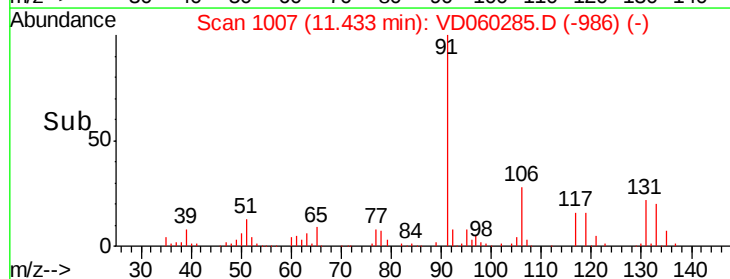
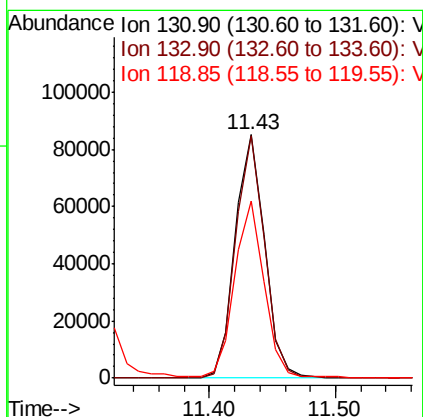
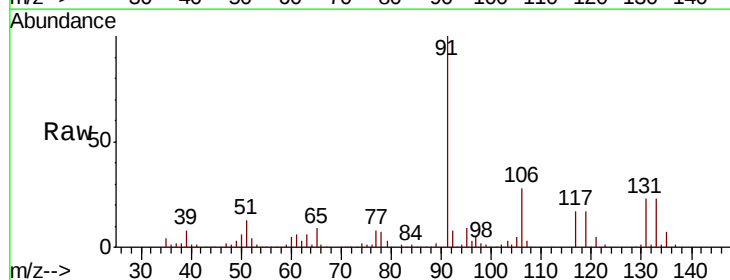
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

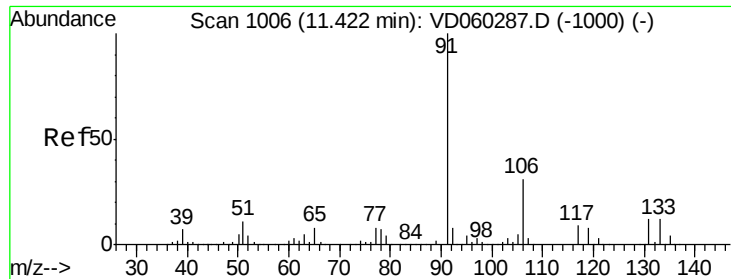
Tgt Ion:112 Resp: 408205  
Ion Ratio Lower Upper  
112 100  
114 30.8 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 10.932 ug/l  
RT: 11.43 min Scan# 1007  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion:131 Resp: 136969  
Ion Ratio Lower Upper  
131 100  
133 99.7 50.0 150.0  
119 72.5 37.0 111.1

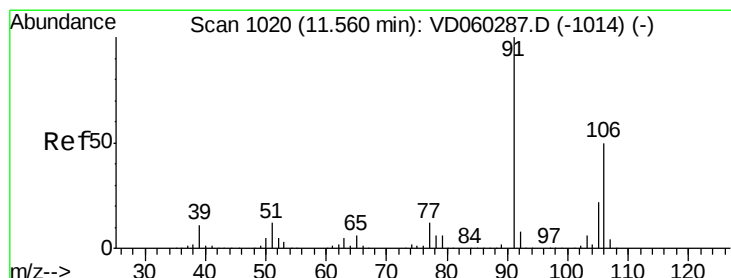
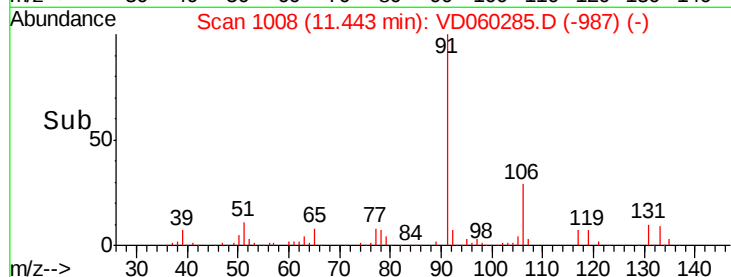
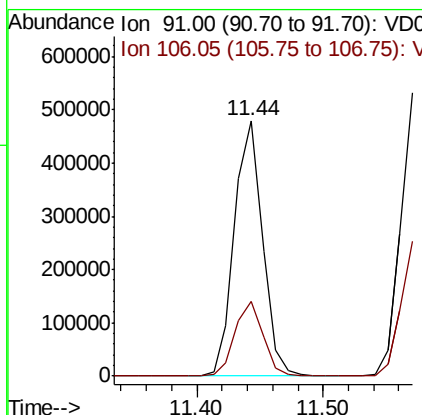
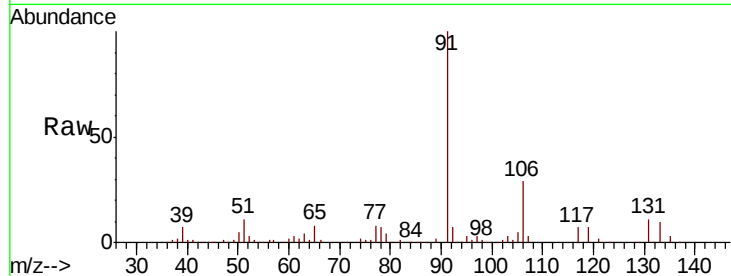




#67  
Ethyl Benzene  
Concen: 11.427 ug/l  
RT: 11.44 min Scan# 1008  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

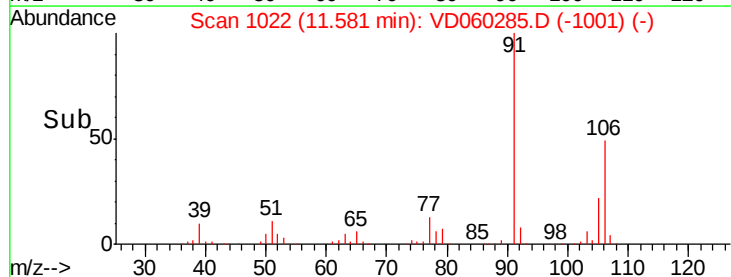
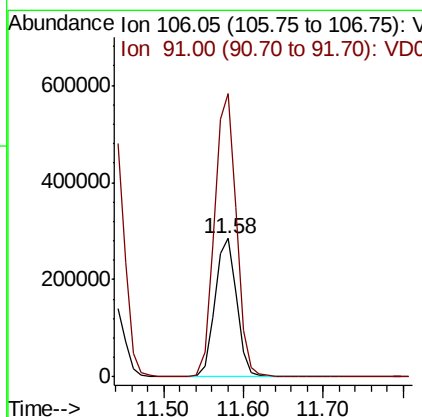
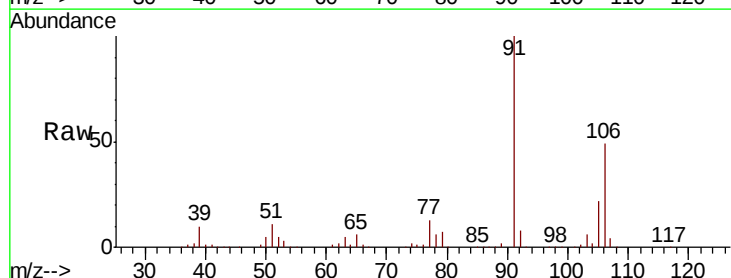
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

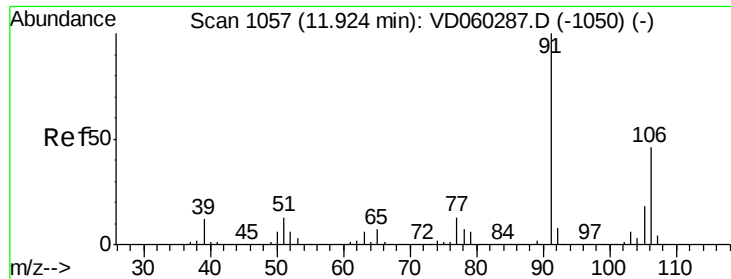
Tgt Ion: 91 Resp: 740909  
Ion Ratio Lower Upper  
91 100  
106 29.4 24.6 36.8



#68  
m/p-Xylenes  
Concen: 22.884 ug/l  
RT: 11.58 min Scan# 1022  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion: 106 Resp: 547692  
Ion Ratio Lower Upper  
106 100  
91 204.4 159.4 239.2

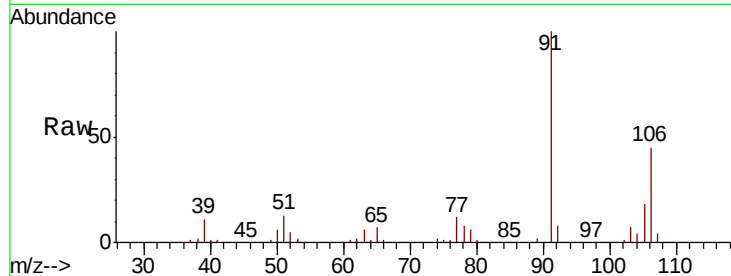




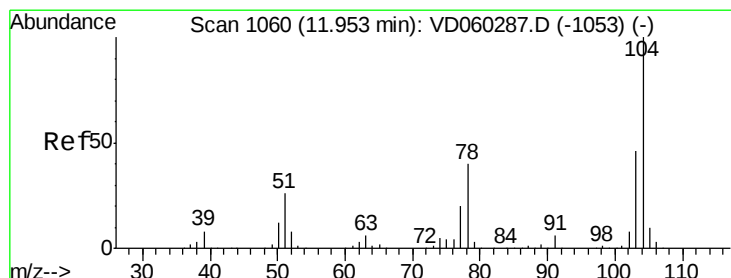
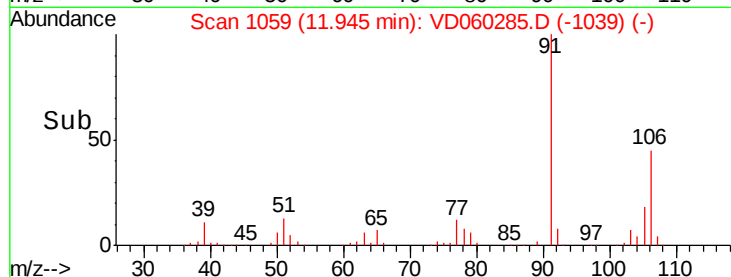
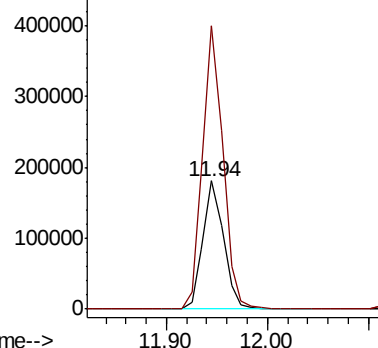
#69  
o-Xylene  
Concen: 11.062 ug/l  
RT: 11.94 min Scan# 1059  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tgt Ion:106 Resp: 257232  
Ion Ratio Lower Upper  
106 100  
91 220.9 109.2 327.6

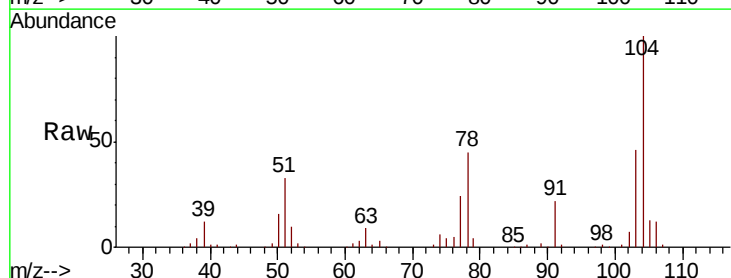


Abundance Ion 106.05 (105.75 to 106.75): V  
Ion 91.00 (90.70 to 91.70): VDC

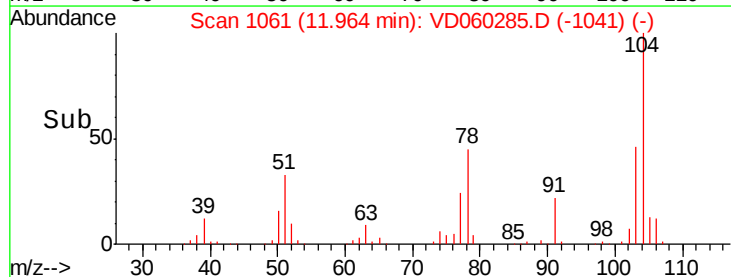
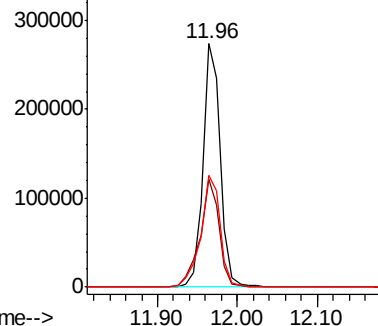


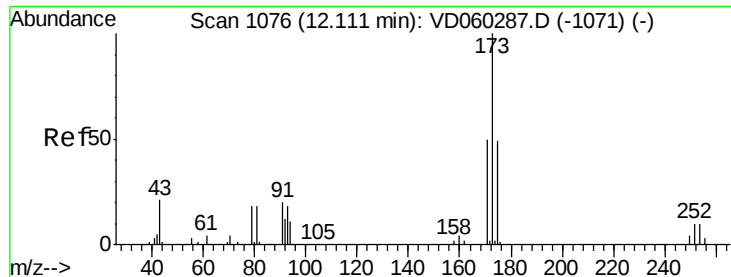
#70  
Styrene  
Concen: 11.135 ug/l  
RT: 11.96 min Scan# 1061  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion:104 Resp: 416967  
Ion Ratio Lower Upper  
104 100  
78 44.6 31.6 47.4  
103 46.1 37.0 55.6



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





#71

Bromoform

Concen: 10.484 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

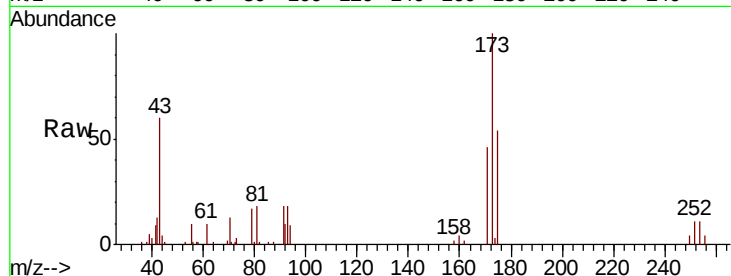
Tgt Ion:173 Resp: 84190

Ion Ratio Lower Upper

173 100

175 53.9 24.3 73.0

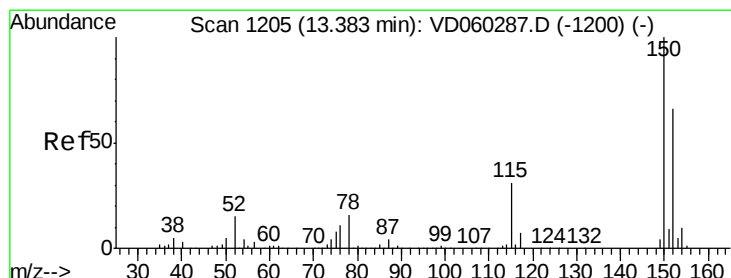
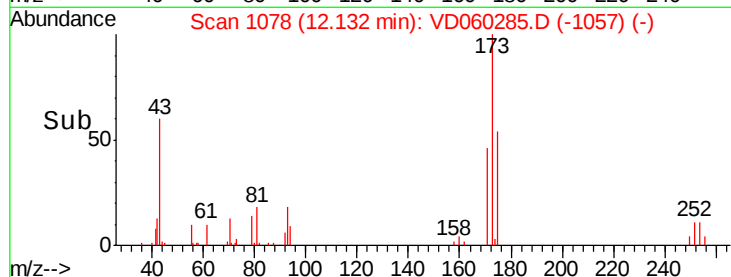
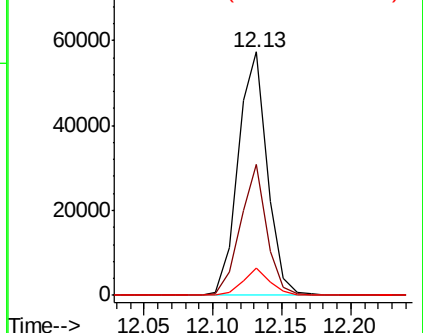
254 11.0 8.3 12.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

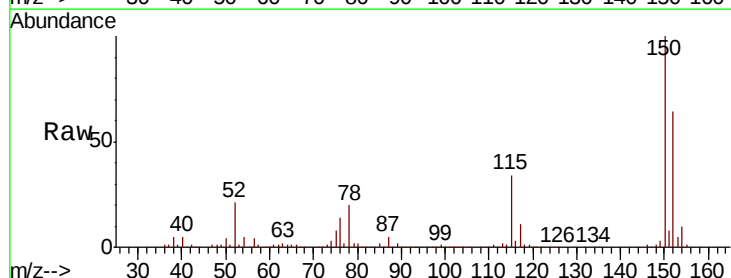
Tgt Ion:152 Resp: 882069

Ion Ratio Lower Upper

152 100

115 53.9 24.1 72.3

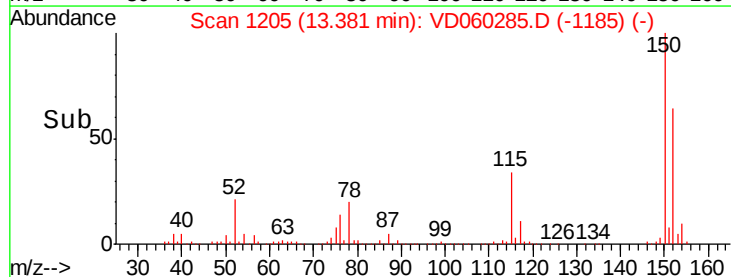
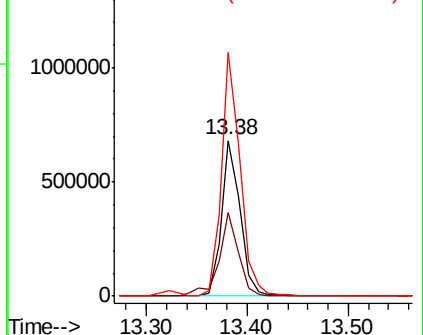
150 156.7 0.0 310.6

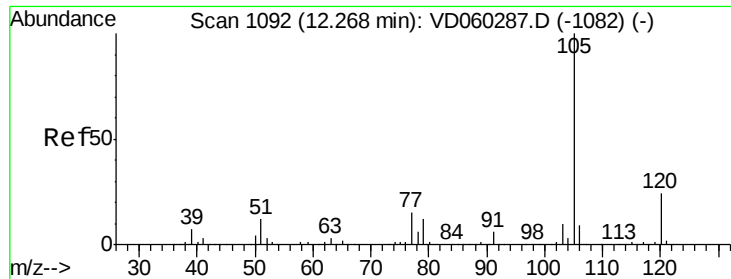


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.684 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

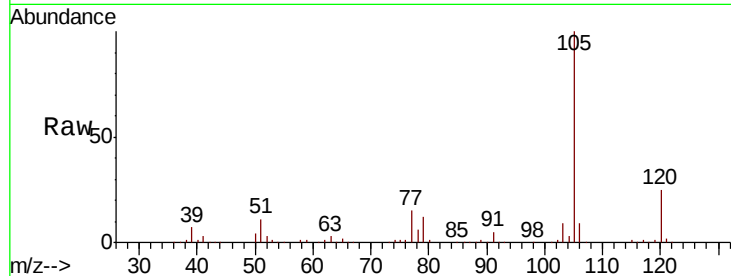
VSTDIC010

Tgt Ion:105 Resp: 726836

Ion Ratio Lower Upper

105 100

120 24.7 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.29

600000

500000

400000

300000

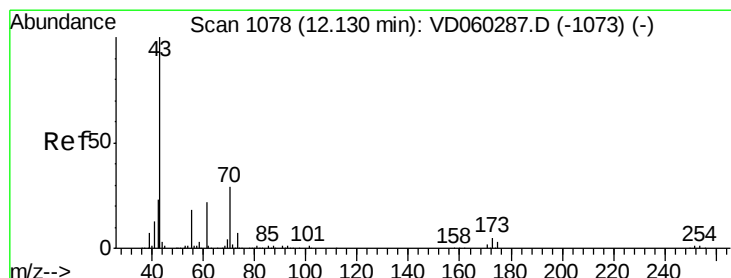
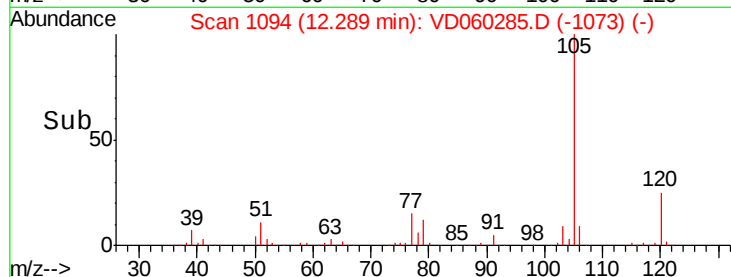
200000

100000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 11.007 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Tgt Ion: 43 Resp: 173791

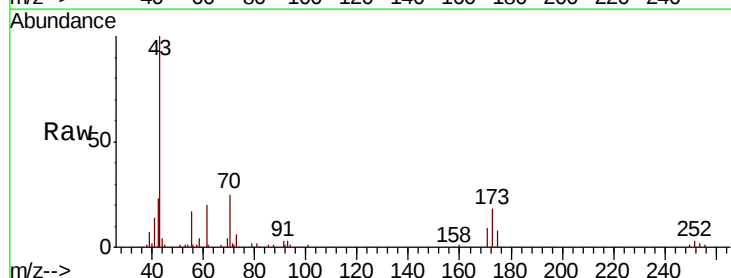
Ion Ratio Lower Upper

43 100

70 25.5 23.0 34.4

55 17.5 14.2 21.4

61 20.4 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

200000

150000

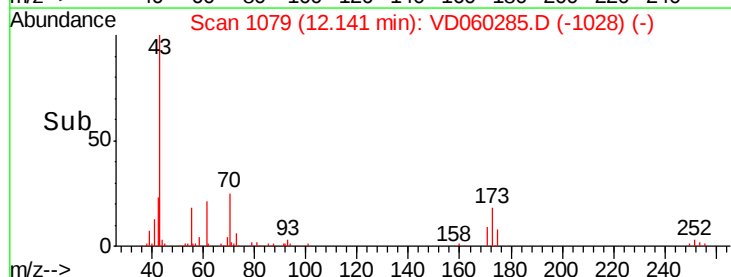
100000

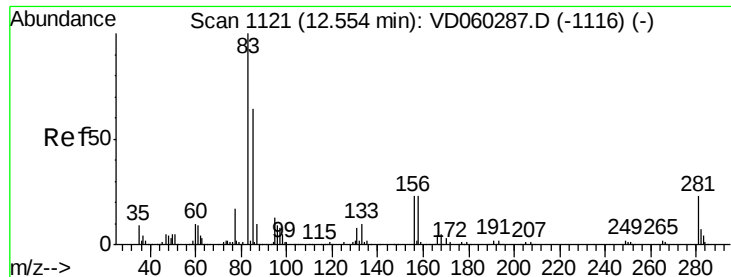
50000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 11.130 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

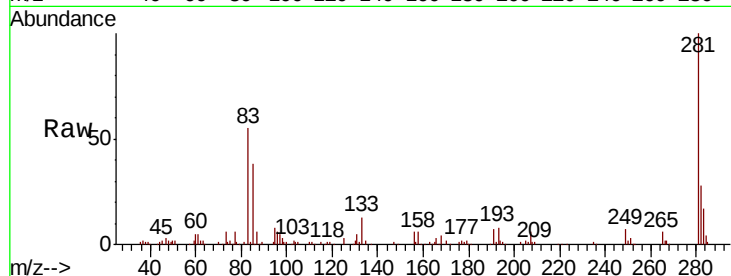
Tgt Ion: 83 Resp: 111738

Ion Ratio Lower Upper

83 100

131 9.8 3.9 11.5

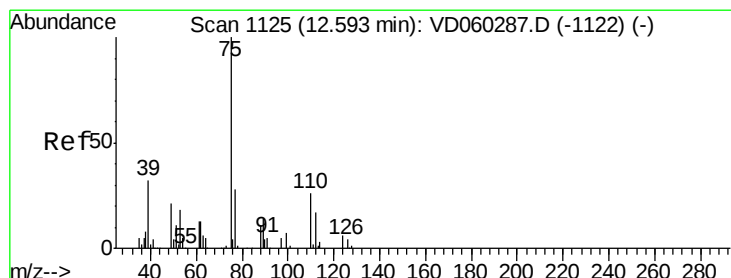
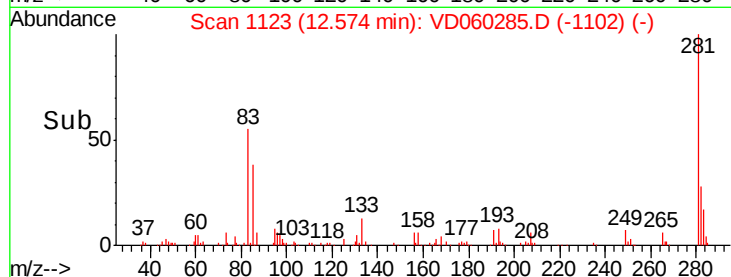
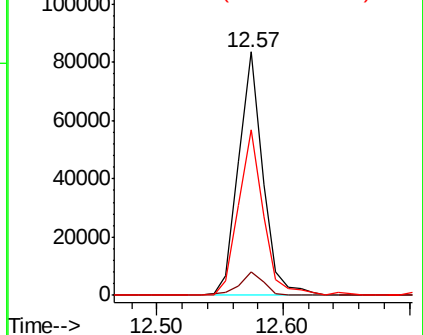
85 68.1 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 11.728 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060285.D

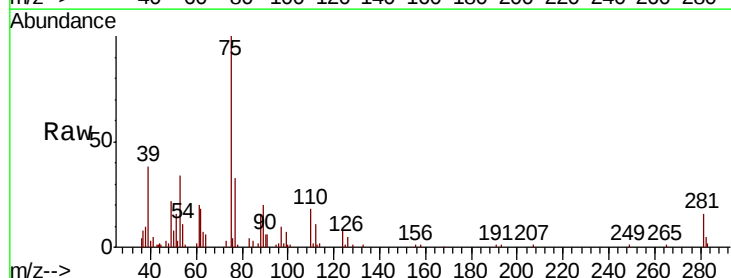
Acq: 6 Nov 2018 11:35

Tgt Ion: 75 Resp: 117443

Ion Ratio Lower Upper

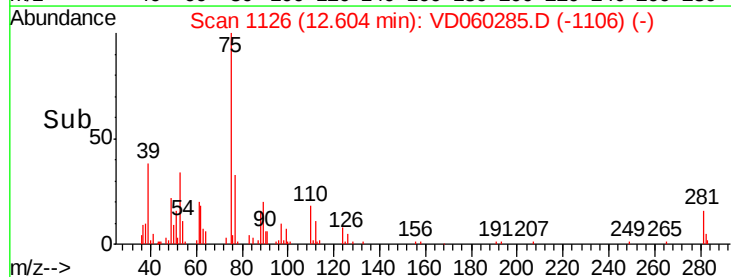
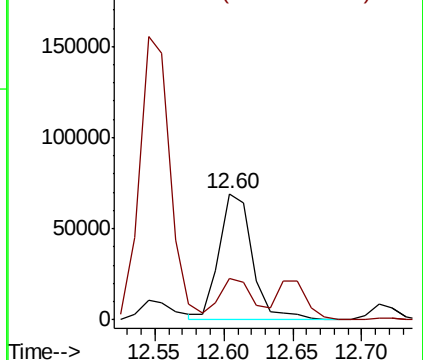
75 100

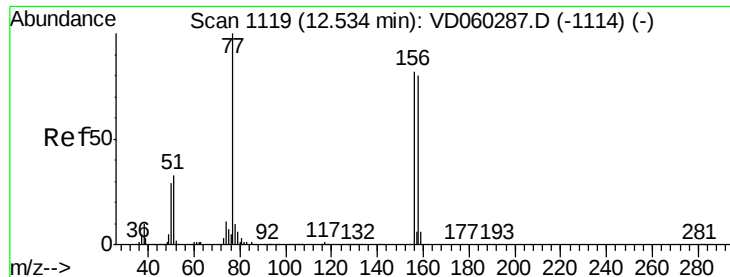
77 33.0 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 10.818 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

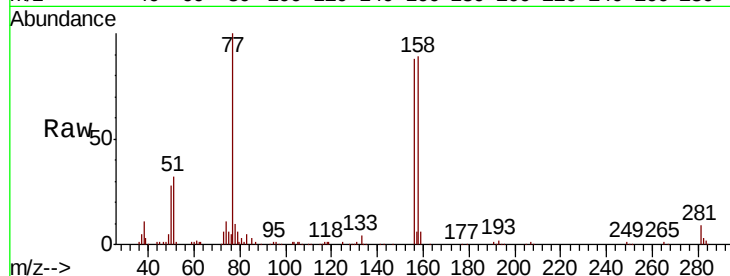
Tgt Ion:156 Resp: 179739

Ion Ratio Lower Upper

156 100

77 113.8 61.2 183.6

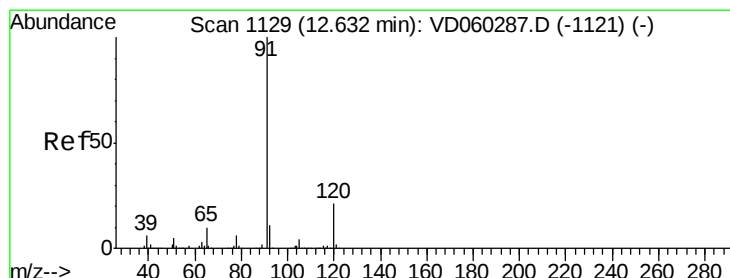
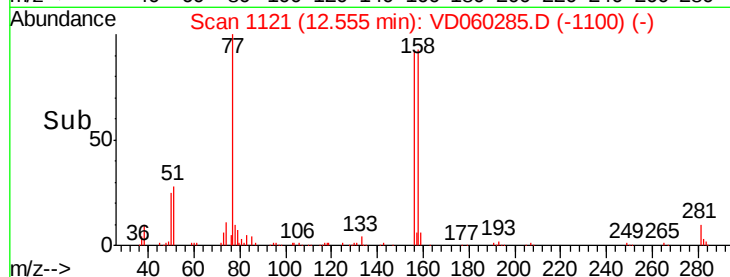
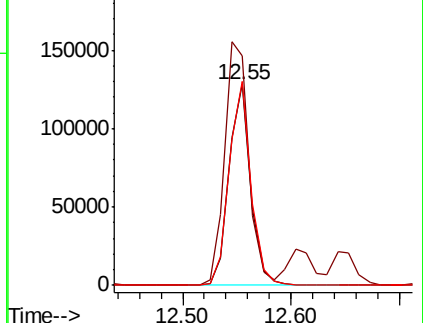
158 101.5 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 11.886 ug/l

RT: 12.65 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VD060285.D

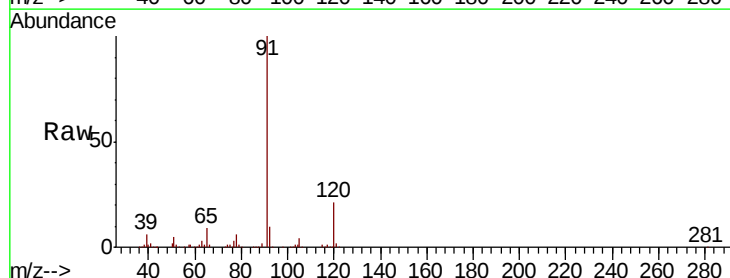
Acq: 6 Nov 2018 11:35

Tgt Ion: 91 Resp: 929534

Ion Ratio Lower Upper

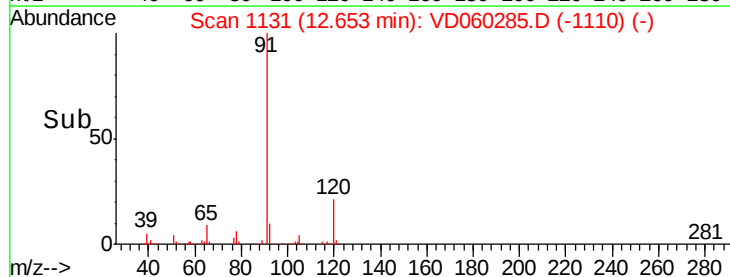
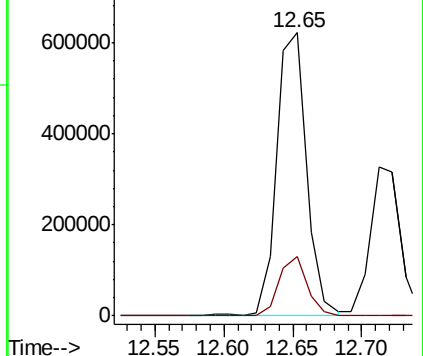
91 100

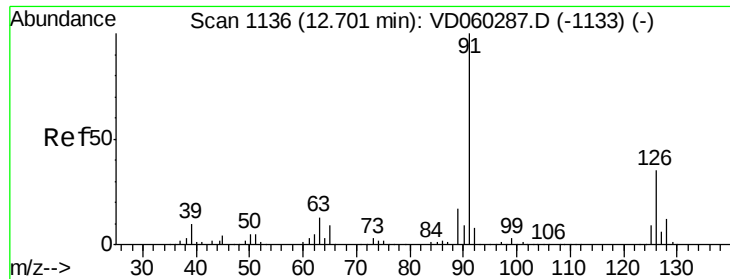
120 21.2 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

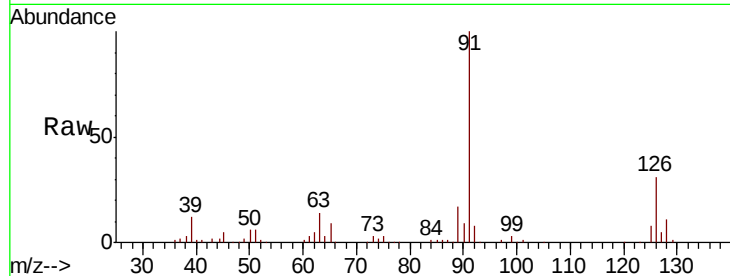




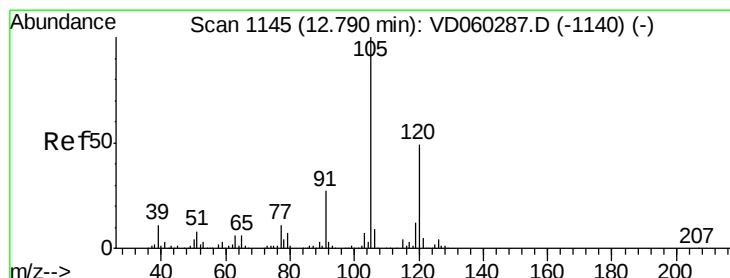
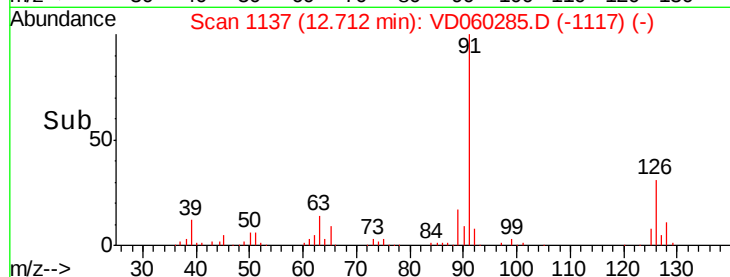
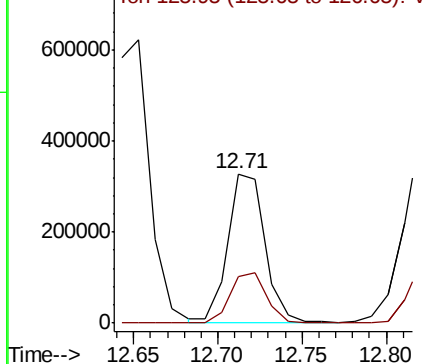
#79  
 2-Chlorotoluene  
 Concen: 11.583 ug/l  
 RT: 12.71 min Scan# 1137  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 91 Resp: 499909  
 Ion Ratio Lower Upper  
 91 100  
 126 31.2 17.4 52.2

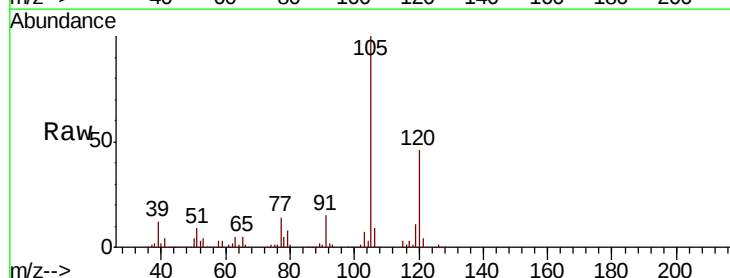


Abundance Ion 91.00 (90.70 to 91.70): V  
 Ion 125.95 (125.65 to 126.65): V

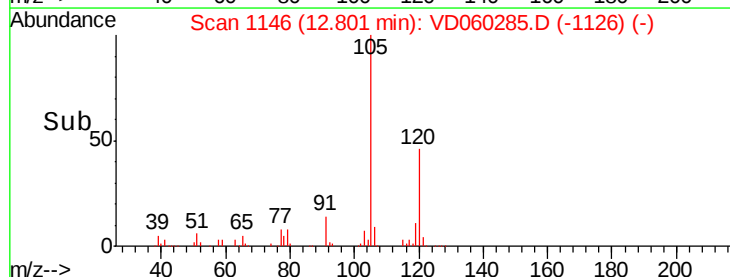
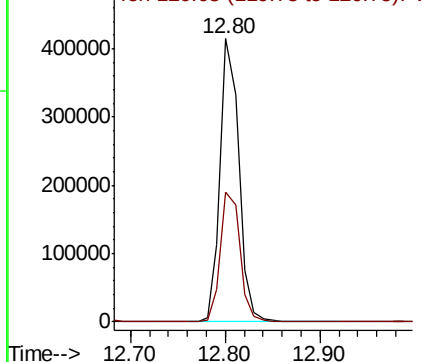


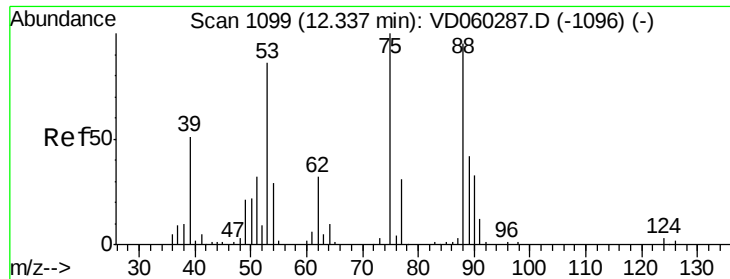
#80  
 1,3,5-Trimethylbenzene  
 Concen: 11.758 ug/l  
 RT: 12.80 min Scan# 1146  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Tgt Ion: 105 Resp: 568398  
 Ion Ratio Lower Upper  
 105 100  
 120 45.8 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75): V  
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.951 ug/l

RT: 12.36 min Scan# 1101

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampled :

VSTDIC010

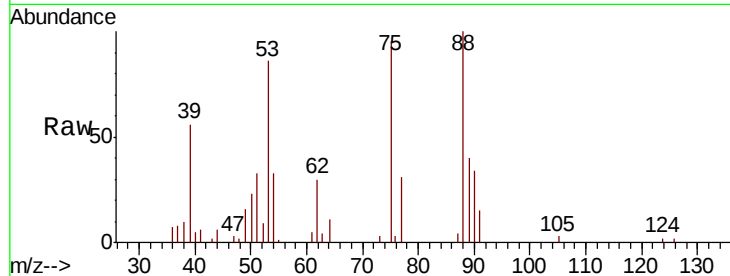
Tgt Ion: 75 Resp: 29600

Ion Ratio Lower Upper

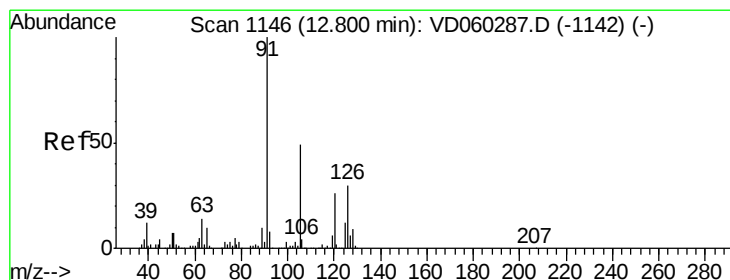
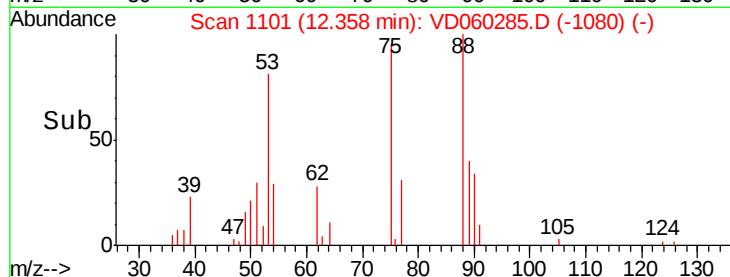
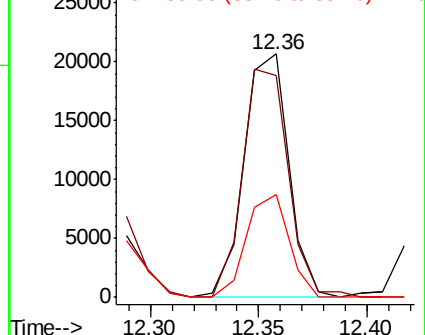
75 100

53 91.0 68.6 103.0

89 42.1 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VDC  
Ion 53.00 (52.70 to 53.70): VDC  
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 11.852 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060285.D

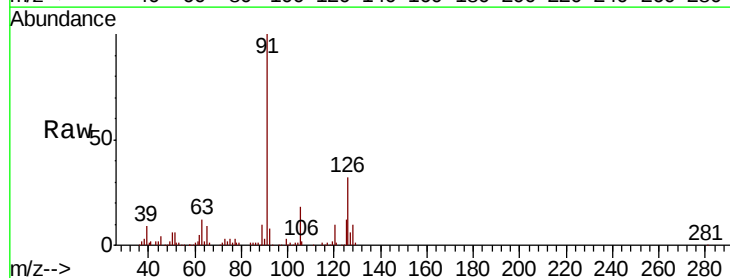
Acq: 6 Nov 2018 11:35

Tgt Ion: 91 Resp: 570706

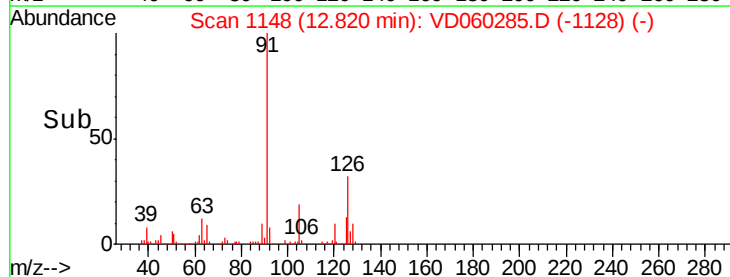
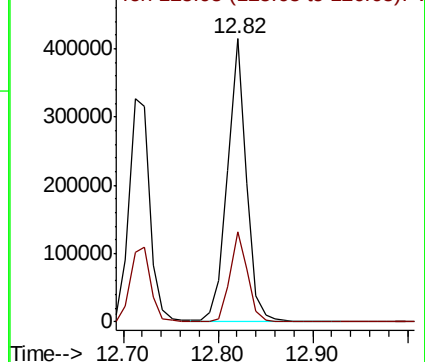
Ion Ratio Lower Upper

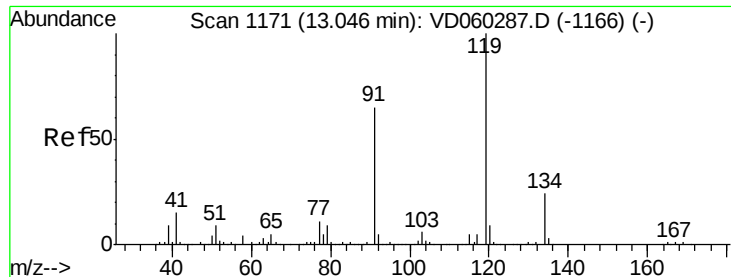
91 100

126 31.6 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VDC  
Ion 125.95 (125.65 to 126.65): V

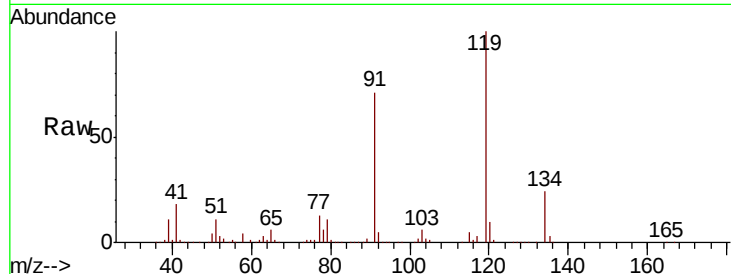




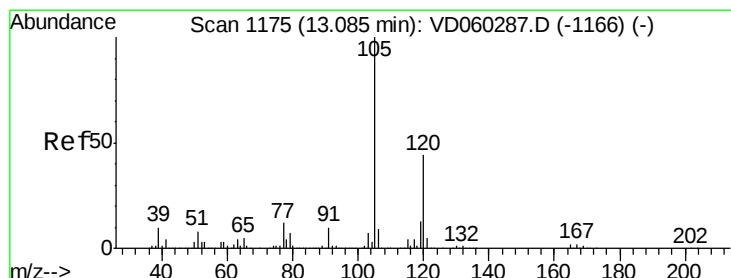
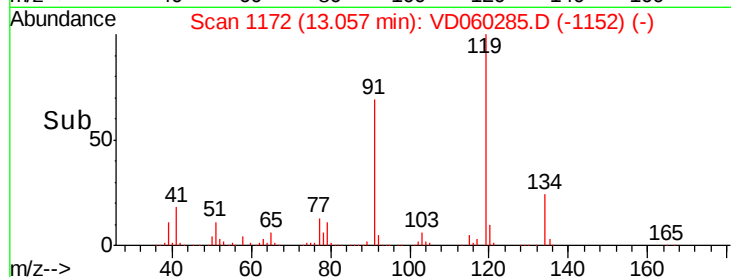
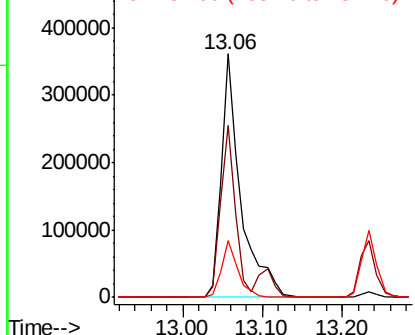
#83  
tert-Butylbenzene  
Concen: 11.531 ug/l  
RT: 13.06 min Scan# 1172  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

Tgt Ion:119 Resp: 619668  
Ion Ratio Lower Upper  
119 100  
91 70.7 32.7 98.1  
134 23.6 12.1 36.3

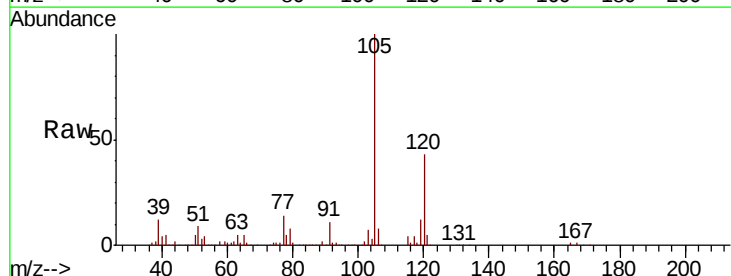


Abundance Ion 119.05 (118.75 to 119.75): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

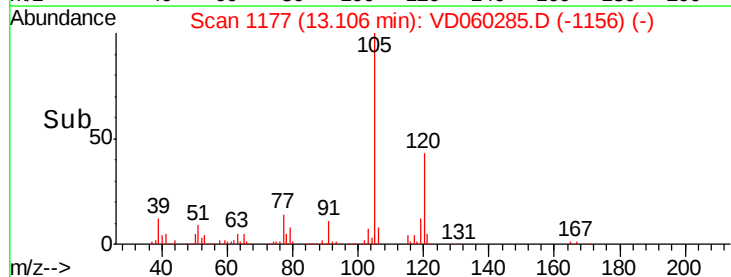
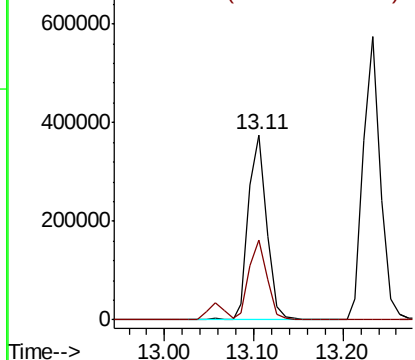


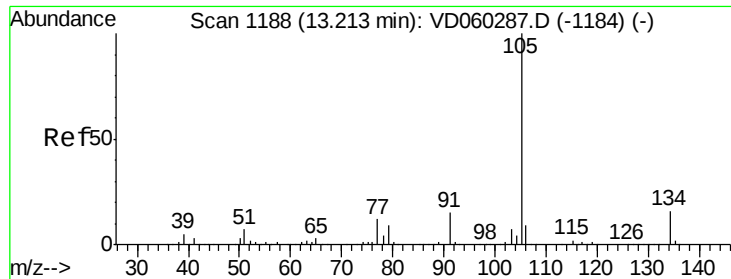
#84  
1,2,4-Trimethylbenzene  
Concen: 10.804 ug/l  
RT: 13.11 min Scan# 1177  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion:105 Resp: 529998  
Ion Ratio Lower Upper  
105 100  
120 43.3 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V  
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 11.596 ug/l

RT: 13.23 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

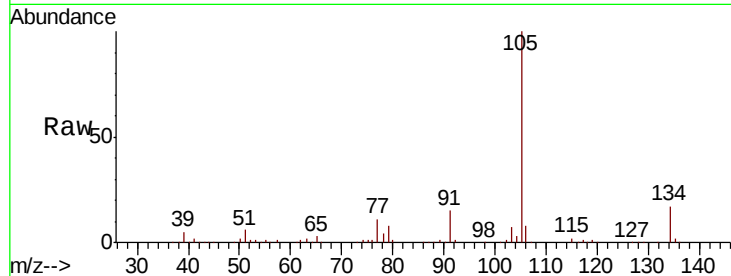
VSTDIC010

Tgt Ion:105 Resp: 760111

Ion Ratio Lower Upper

105 100

134 17.4 8.0 24.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.23

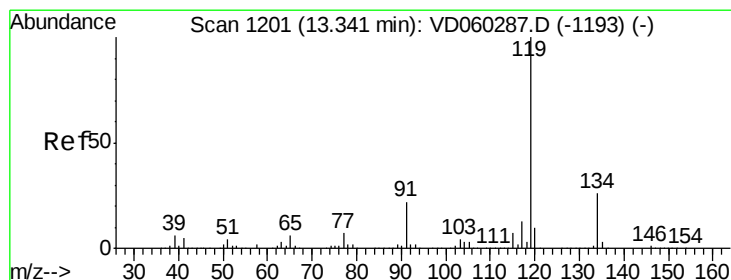
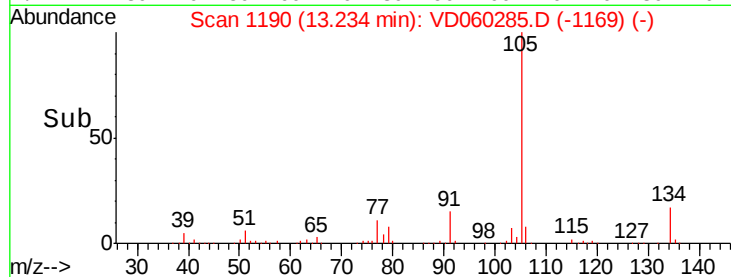
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 12.116 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

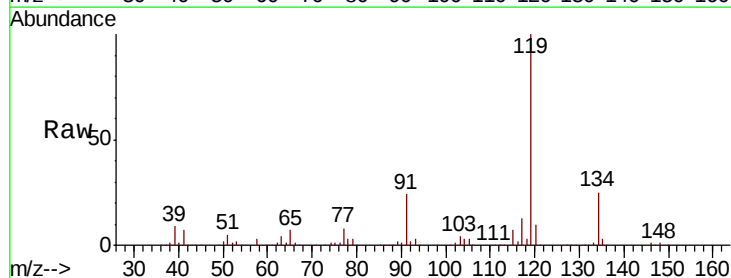
Tgt Ion:119 Resp: 631234

Ion Ratio Lower Upper

119 100

134 24.5 12.9 38.6

91 24.1 11.3 33.8



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

13.35

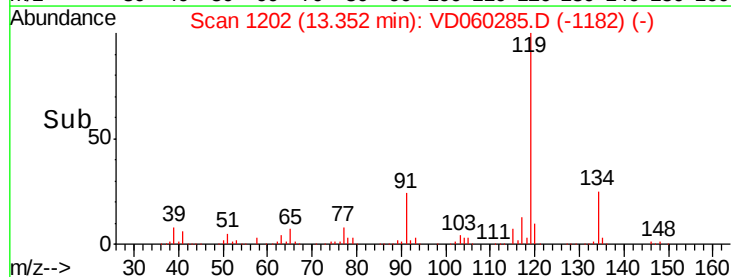
600000

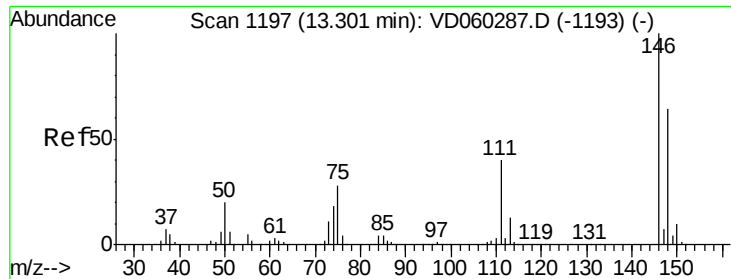
400000

200000

0

Time-->

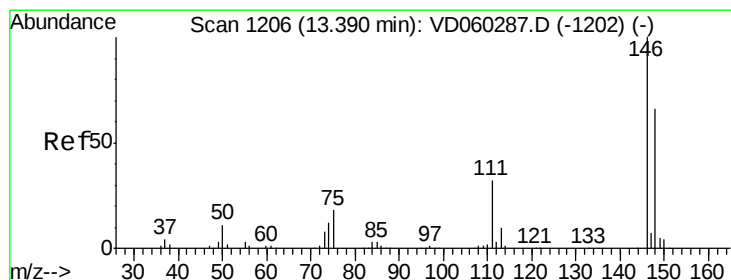
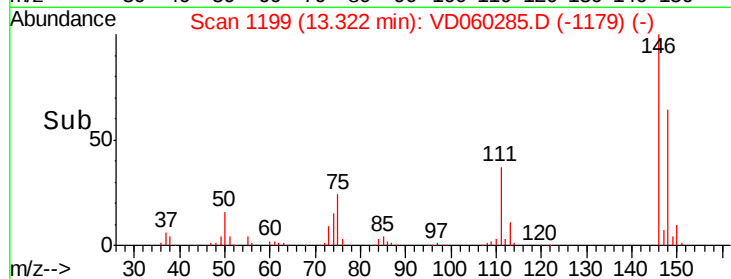
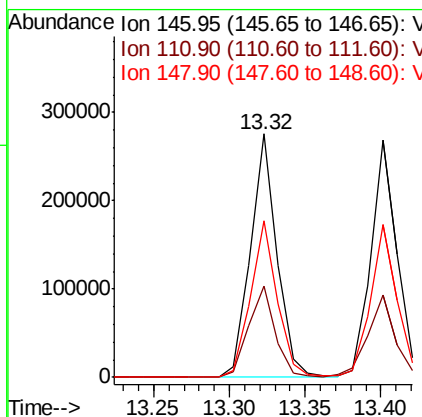
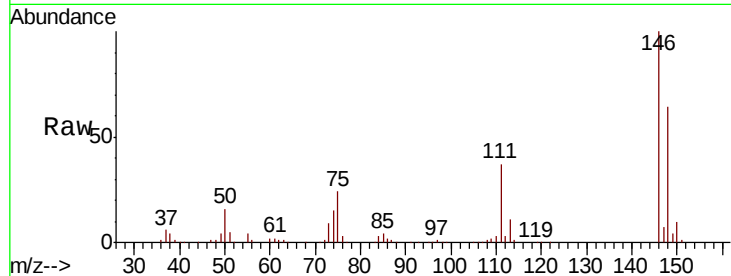




#87  
 1,3-Dichlorobenzene  
 Concen: 11.387 ug/l  
 RT: 13.32 min Scan# 1199  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

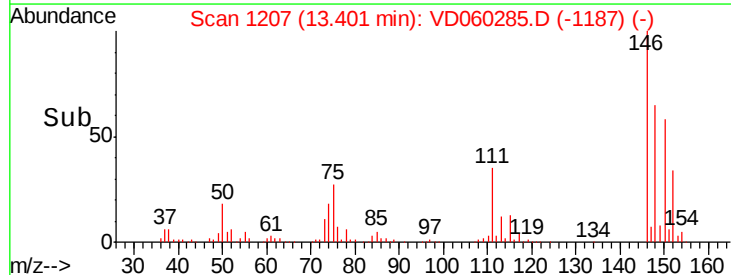
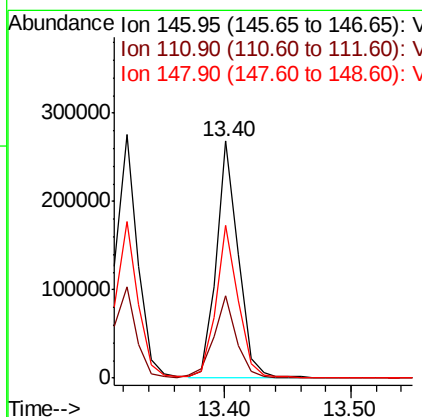
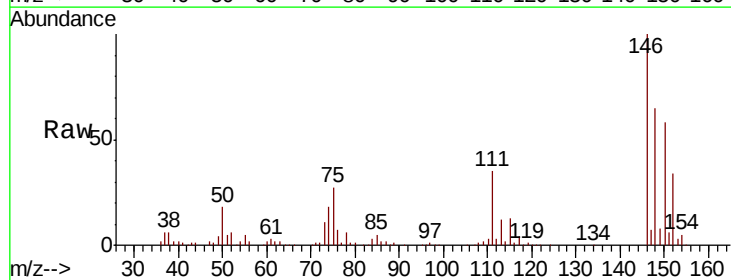
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

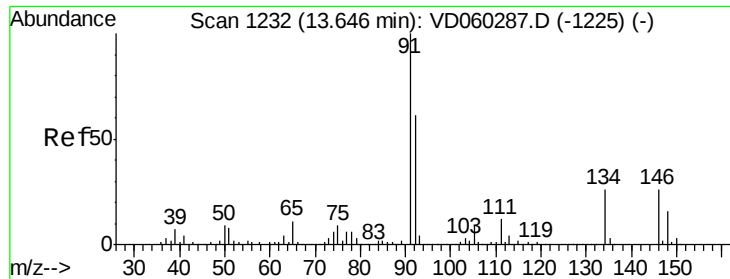
Tgt Ion:146 Resp: 337719  
 Ion Ratio Lower Upper  
 146 100  
 111 37.3 20.2 60.5  
 148 64.4 32.0 96.0



#88  
 1,4-Dichlorobenzene  
 Concen: 11.281 ug/l  
 RT: 13.40 min Scan# 1207  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Tgt Ion:146 Resp: 326278  
 Ion Ratio Lower Upper  
 146 100  
 111 34.7 16.0 47.9  
 148 64.7 32.9 98.7

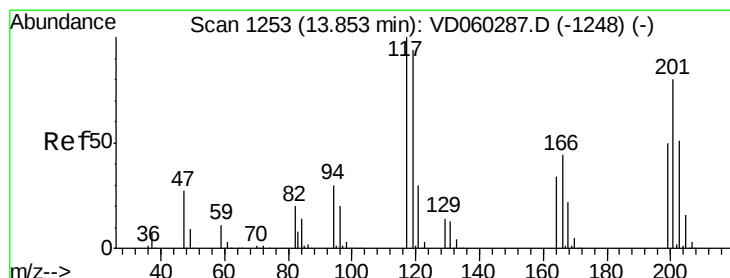
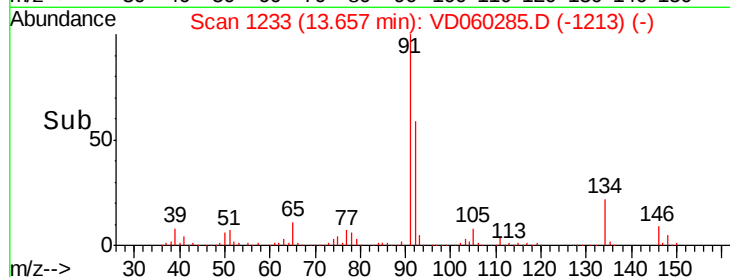
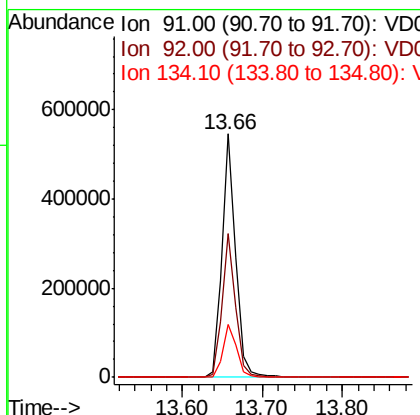
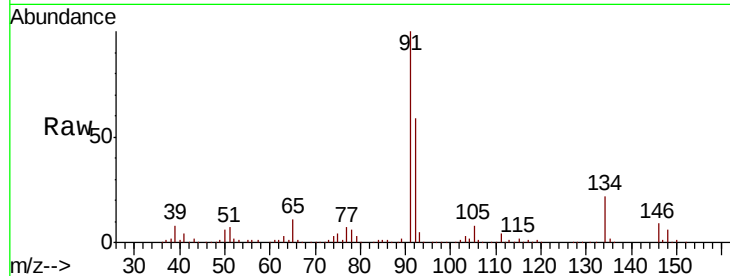




#89  
n-Butylbenzene  
Concen: 12.393 ug/l  
RT: 13.66 min Scan# 1233  
Delta R.T. -0.00 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

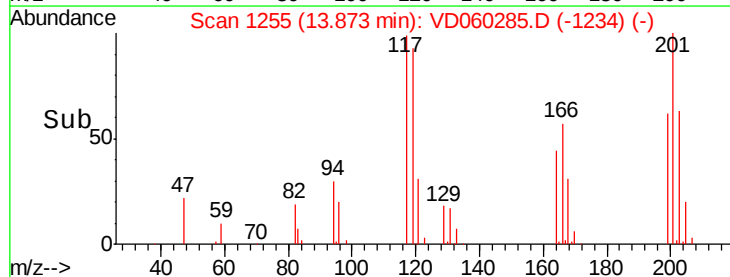
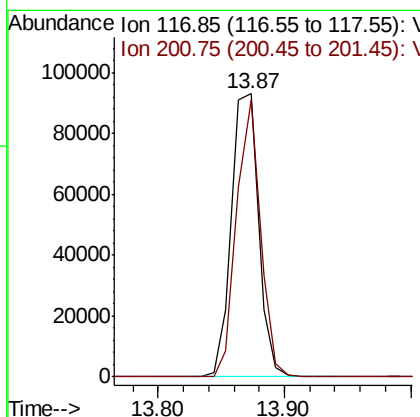
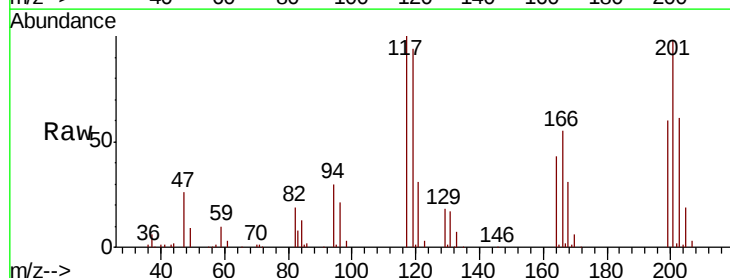
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC010

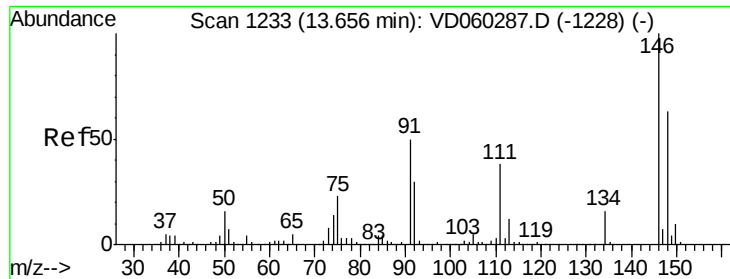
Tgt Ion: 91 Resp: 661211  
Ion Ratio Lower Upper  
91 100  
92 59.1 30.3 90.9  
134 21.6 13.0 38.9



#90  
Hexachloroethane  
Concen: 10.908 ug/l  
RT: 13.87 min Scan# 1255  
Delta R.T. 0.01 min  
Lab File: VD060285.D  
Acq: 6 Nov 2018 11:35

Tgt Ion: 117 Resp: 138376  
Ion Ratio Lower Upper  
117 100  
201 97.7 40.1 120.3

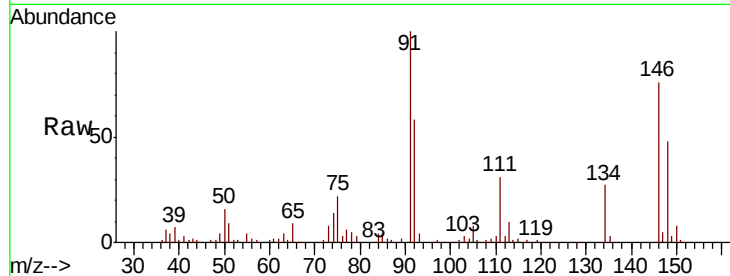




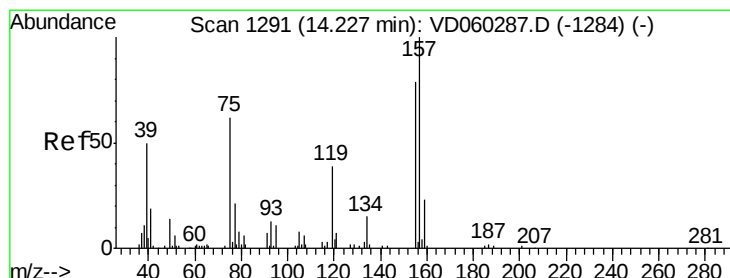
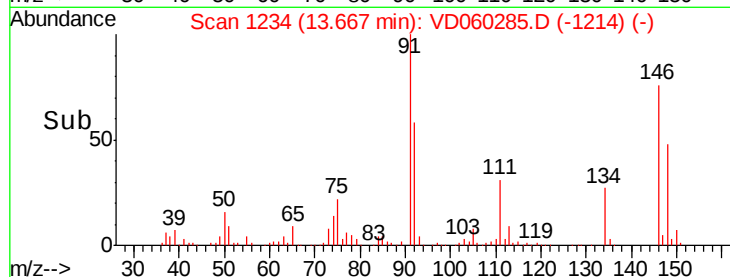
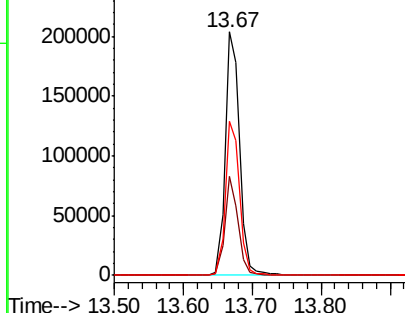
#91  
 1,2-Dichlorobenzene  
 Concen: 12.124 ug/l  
 RT: 13.67 min Scan# 1234  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

Tgt Ion: 146 Resp: 293265  
 Ion Ratio Lower Upper  
 146 100  
 111 40.7 18.9 56.9  
 148 63.4 31.6 94.8

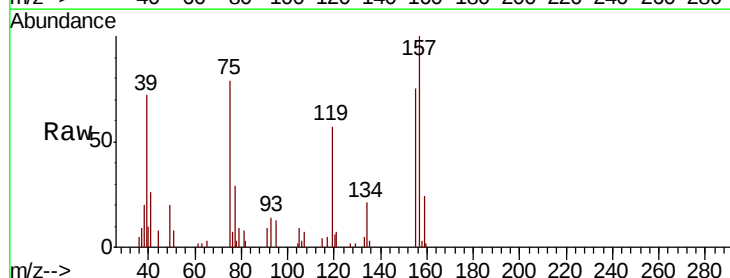


Abundance Ion 145.95 (145.65 to 146.65): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

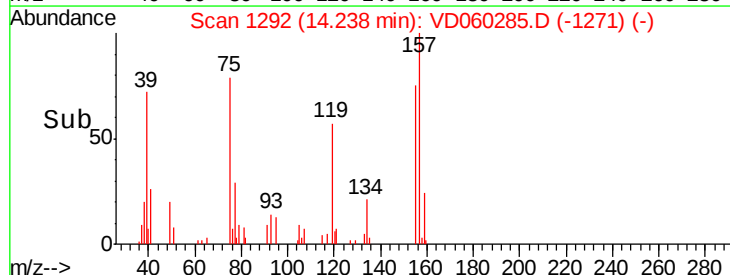
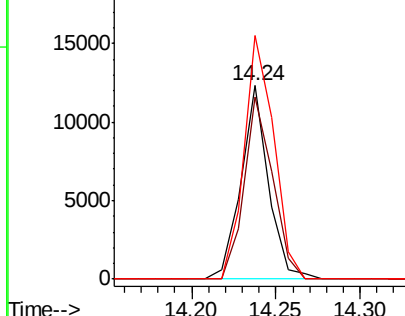


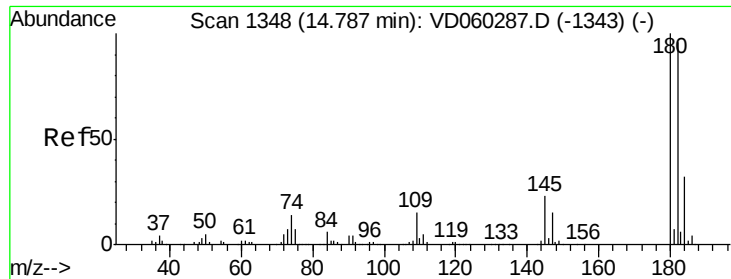
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 11.229 ug/l  
 RT: 14.24 min Scan# 1292  
 Delta R.T. 0.01 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Tgt Ion: 75 Resp: 13830  
 Ion Ratio Lower Upper  
 75 100  
 155 93.9 64.3 192.9  
 157 125.9 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V  
 Ion 154.90 (154.60 to 155.60): V  
 Ion 156.85 (156.55 to 157.55): V

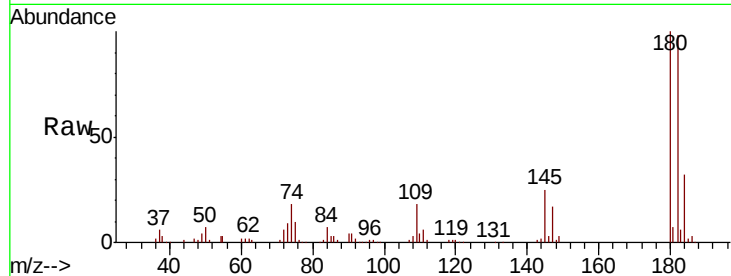




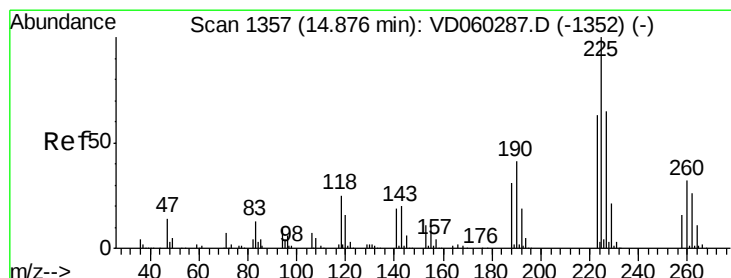
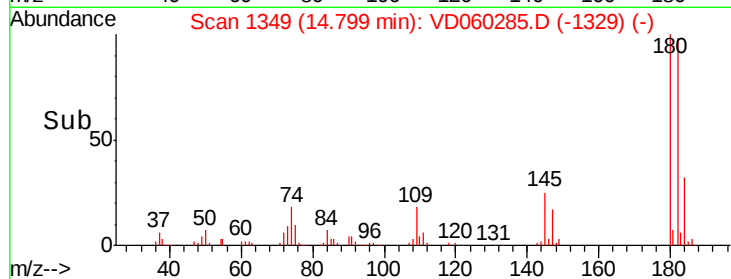
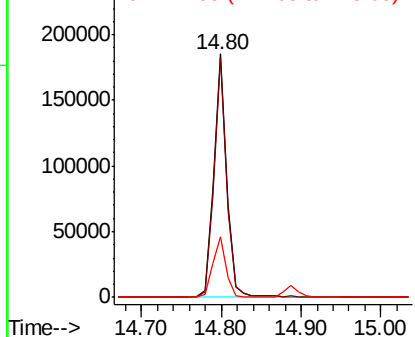
#93  
 1,2,4-Trichlorobenzene  
 Concen: 11.363 ug/l  
 RT: 14.80 min Scan# 1349  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDIC010

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.4  | 48.1  | 144.4 |
| 145     | 25.1  | 11.5  | 34.4  |

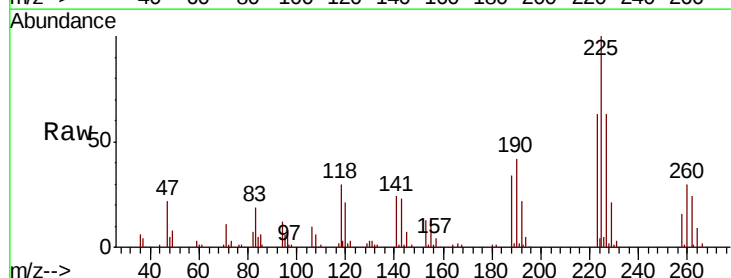


Abundance Ion 179.85 (179.55 to 180.55): V  
 Ion 181.85 (181.55 to 182.55): V  
 Ion 144.95 (144.65 to 145.65): V

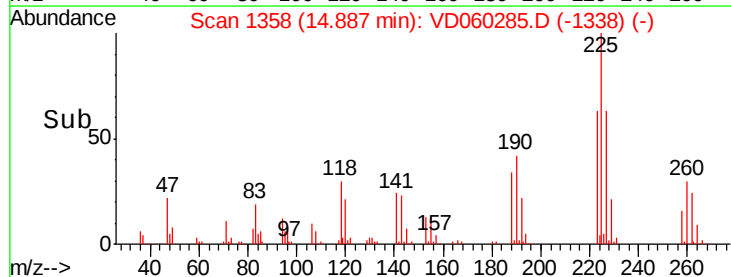
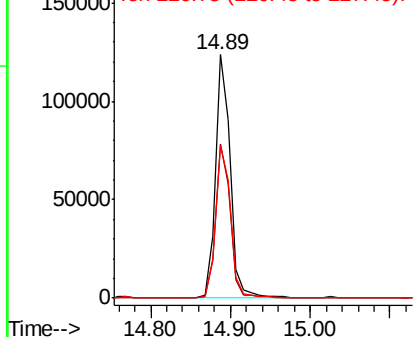


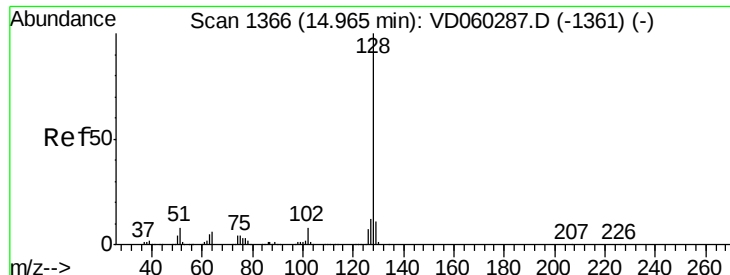
#94  
 Hexachlorobutadiene  
 Concen: 11.709 ug/l  
 RT: 14.89 min Scan# 1358  
 Delta R.T. -0.00 min  
 Lab File: VD060285.D  
 Acq: 6 Nov 2018 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.5  | 31.6  | 94.8  |
| 227     | 62.7  | 32.3  | 96.9  |



Abundance Ion 224.75 (224.45 to 225.45): V  
 Ion 222.75 (222.45 to 223.45): V  
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 10.640 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC010

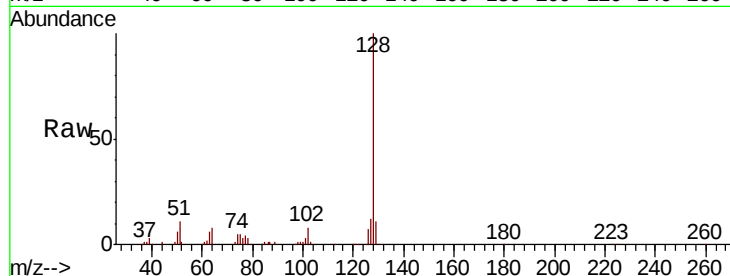
Tgt Ion:128 Resp: 248381

Ion Ratio Lower Upper

128 100

127 11.9 9.6 14.4

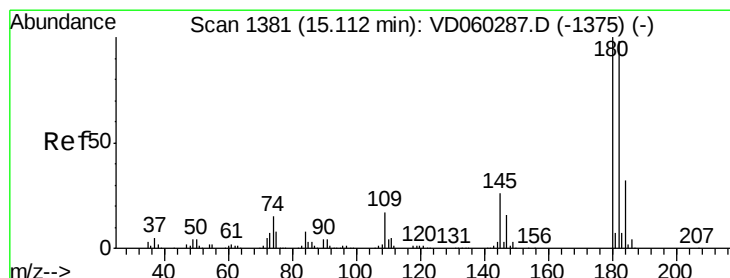
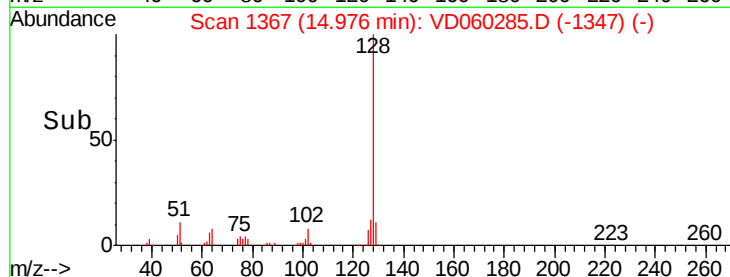
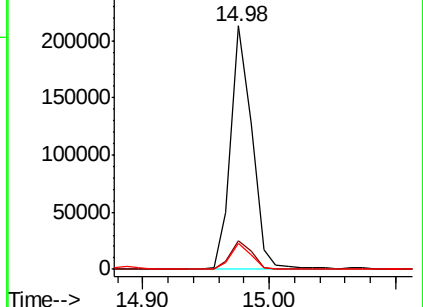
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 11.185 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060285.D

Acq: 6 Nov 2018 11:35

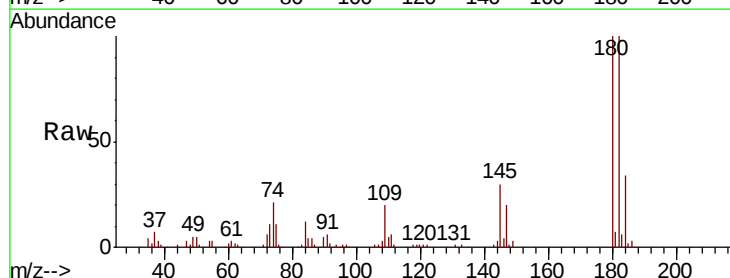
Tgt Ion:180 Resp: 169453

Ion Ratio Lower Upper

180 100

182 100.3 48.9 146.7

145 30.0 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

