

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\  
 Data File : VW007197.D  
 Acq On : 04 Dec 2018 19:29  
 Operator : SY/AP  
 Sample : J6206-04MS  
 Misc : 5.75G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

Quant Time: Dec 05 05:07:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 04 14:18:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 105619   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 171914   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 152128   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 77178    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.31   | 65  | 53316    | 54.22 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 108.44% |      |
| 35) Dibromofluoromethane  | 7.88   | 113 | 49820    | 50.61 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.22% |      |
| 50) Toluene-d8            | 10.32  | 98  | 221217   | 51.02 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.04% |      |
| 62) 4-Bromofluorobenzene  | 12.62  | 95  | 81154    | 49.59 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.18%  |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.00 | 85  | 52262  | 45.227  | ug/l   | 97     |
| 3) Chloromethane              | 2.21 | 50  | 68343  | 46.703  | ug/l   | 100    |
| 4) Vinyl Chloride             | 2.36 | 62  | 44797  | 48.892  | ug/l   | 99     |
| 5) Bromomethane               | 2.76 | 94  | 25660  | 55.888  | ug/l   | 94     |
| 6) Chloroethane               | 2.92 | 64  | 25408  | 49.423  | ug/l   | 96     |
| 7) Trichlorofluoromethane     | 3.26 | 101 | 85140  | 47.662  | ug/l   | 97     |
| 8) Diethyl Ether              | 3.69 | 74  | 29450  | 59.145  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 4.06 | 101 | 50711  | 46.994  | ug/l   | 99     |
| 10) Methyl Iodide             | 4.28 | 142 | 42714  | 46.466  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 5.17 | 59  | 21106  | 222.800 | ug/l # | 94     |
| 12) 1,1-Dichloroethene        | 4.04 | 96  | 49700  | 49.146  | ug/l   | 98     |
| 13) Acrolein                  | 3.90 | 56  | 14600  | 211.891 | ug/l   | 98     |
| 14) Allyl chloride            | 4.68 | 41  | 81593  | 50.336  | ug/l   | 99     |
| 15) Acrylonitrile             | 5.37 | 53  | 62548  | 300.482 | ug/l   | 100    |
| 16) Acetone                   | 4.13 | 43  | 50919  | 218.730 | ug/l   | 100    |
| 17) Carbon Disulfide          | 4.39 | 76  | 165582 | 49.673  | ug/l   | 99     |
| 18) Methyl Acetate            | 4.68 | 43  | 61370  | 115.493 | ug/l   | 100    |
| 19) Methyl tert-butyl Ether   | 5.43 | 73  | 135396 | 56.866  | ug/l   | 97     |
| 20) Methylene Chloride        | 4.92 | 84  | 81822  | 72.099  | ug/l   | 98     |
| 21) trans-1,2-Dichloroethene  | 5.43 | 96  | 56298  | 49.857  | ug/l   | 96     |
| 22) Diisopropyl ether         | 6.32 | 45  | 159958 | 54.970  | ug/l   | 98     |
| 23) Vinyl Acetate             | 6.26 | 43  | 239396 | 150.774 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 6.22 | 63  | 91791  | 49.216  | ug/l   | 99     |
| 25) 2-Butanone                | 7.17 | 43  | 73117  | 270.949 | ug/l   | 99     |
| 26) 2,2-Dichloropropane       | 7.17 | 77  | 86721  | 48.385  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 7.17 | 96  | 61869  | 51.111  | ug/l   | 99     |
| 28) Bromochloromethane        | 7.51 | 49  | 36608  | 54.435  | ug/l   | 99     |
| 29) Tetrahydrofuran           | 7.53 | 42  | 49444  | 296.500 | ug/l   | 99     |
| 30) Chloroform                | 7.68 | 83  | 100692 | 51.948  | ug/l   | 99     |
| 31) Cyclohexane               | 7.96 | 56  | 90794  | 46.527  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane     | 7.88 | 97  | 92923  | 50.941  | ug/l   | 99     |
| 36) 1,1-Dichloropropene       | 8.09 | 75  | 81287  | 48.595  | ug/l   | 99     |
| 37) Ethyl Acetate             | 7.26 | 43  | 28398  | 46.933  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 8.07 | 117 | 81869  | 47.951  | ug/l   | 95     |

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 Data File : VW007197.D  
 Acq On : 04 Dec 2018 19:29  
 Operator : SY/AP  
 Sample : J6206-04MS  
 Misc : 5.75G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

Quant Time: Dec 05 05:07:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 04 14:18:19 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 9.34  | 83   | 99301    | 44.345   | ug/l   | 96       |
| 40) Benzene                    | 8.33  | 78   | 240822   | 52.502   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.49  | 41   | 18230    | 50.300   | ug/l   | 88       |
| 42) 1,2-Dichloroethane         | 8.40  | 62   | 67371    | 52.554   | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.43  | 43   | 60266    | 51.282   | ug/l   | 99       |
| 44) Trichloroethene            | 9.10  | 130  | 65021    | 50.430   | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.37  | 63   | 56238    | 52.687   | ug/l   | 95       |
| 46) Dibromomethane             | 9.46  | 93   | 29884    | 53.879   | ug/l   | 94       |
| 47) Bromodichloromethane       | 9.65  | 83   | 73232    | 50.194   | ug/l   | 100      |
| 48) Methyl methacrylate        | 9.44  | 41   | 36943    | 60.570   | ug/l   | 96       |
| 49) 1,4-Dioxane                | 9.45  | 88   | 10631    | 1097.194 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone       | 10.21 | 43   | 174726   | 301.703  | ug/l   | 100      |
| 52) Toluene                    | 10.39 | 92   | 192844   | 60.439   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.61 | 75   | 77727    | 52.989   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 10.07 | 75   | 90510    | 52.652   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 10.79 | 97   | 42183    | 53.467   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 10.65 | 69   | 49507    | 48.105   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.93 | 76   | 72883    | 54.717   | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether  | 9.93  | 63   | 110255   | 266.723  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.98 | 43   | 118889   | 283.189  | ug/l   | 100      |
| 60) Dibromochloromethane       | 11.13 | 129  | 51473    | 53.083   | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 11.24 | 107  | 42545    | 56.223   | ug/l   | 97       |
| 64) Tetrachloroethene          | 10.87 | 164  | 51863    | 46.662   | ug/l   | 95       |
| 65) Chlorobenzene              | 11.66 | 112  | 173134   | 50.958   | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.73 | 131  | 54478    | 51.919   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.73 | 91   | 306470   | 49.491   | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.84 | 106  | 239503   | 98.589   | ug/l   | 99       |
| 69) o-Xylene                   | 12.17 | 106  | 114877   | 50.613   | ug/l   | 95       |
| 70) Styrene                    | 12.18 | 104  | 191246   | 51.474   | ug/l   | 99       |
| 71) Bromoform                  | 12.35 | 173  | 28993    | 55.196   | ug/l # | 96       |
| 73) Isopropylbenzene           | 12.47 | 105  | 313484   | 49.941   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.27 | 43   | 48681    | 43.741   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 46603    | 57.166   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.77 | 75   | 67576    | 58.265   | ug/l # | 100      |
| 77) Bromobenzene               | 12.75 | 156  | 70096    | 51.733   | ug/l   | 97       |
| 78) n-propylbenzene            | 12.81 | 91   | 359290   | 48.043   | ug/l   | 95       |
| 79) 2-Chlorotoluene            | 12.90 | 91   | 202455   | 47.940   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene     | 12.95 | 105  | 249935   | 46.543   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.52 | 75   | 16033    | 57.826   | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 12.99 | 91   | 223464   | 49.740   | ug/l   | 96       |
| 83) tert-Butylbenzene          | 13.21 | 119  | 219674   | 46.811   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 266327   | 48.586   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.39 | 105  | 315325   | 47.067   | ug/l   | 97       |
| 86) p-Isopropyltoluene         | 13.51 | 119  | 278594   | 46.714   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene        | 13.51 | 146  | 137956   | 49.598   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 13.58 | 146  | 134783   | 47.972   | ug/l   | 97       |
| 89) n-Butylbenzene             | 13.83 | 91   | 249526   | 44.774   | ug/l   | 98       |
| 90) Hexachloroethane           | 14.10 | 117  | 41891    | 46.094   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 13.88 | 146  | 124190   | 51.575   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.49 | 75   | 9368     | 59.320   | ug/l   | 99       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120418\  
Data File : VW007197.D  
Acq On : 04 Dec 2018 19:29  
Operator : SY/AP  
Sample : J6206-04MS  
Misc : 5.75G/5ML/MSVOA W/SOIL  
ALS Vial : 20 Sample Multiplier: 1

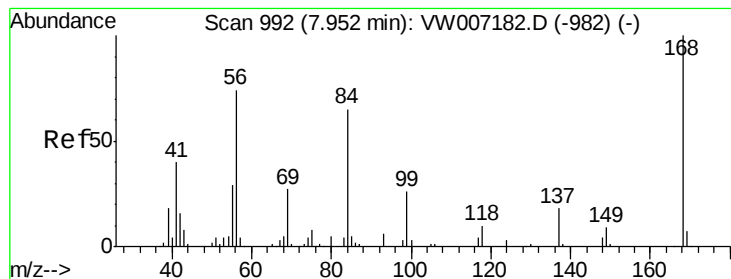
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

Quant Time: Dec 05 05:07:02 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W120418S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 04 14:18:19 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 15.14 | 180  | 75034    | 44.965 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 15.24 | 225  | 35690    | 39.661 | ug/l  | 100      |
| 95) Naphthalene            | 15.38 | 128  | 160006   | 53.501 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.57 | 180  | 64669    | 45.959 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

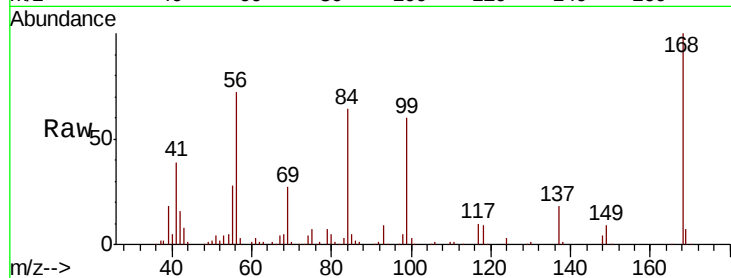
HLSP-SB-5B-(8.5)MS

Tot Ion:168 Resp: 105619

Ion Ratio Lower Upper

168 100

99 59.9 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): VW007182.D (-982) (-)

Ion 98.90 (98.60 to 99.60): VW007182.D (-982) (-)

7.95

50000

40000

30000

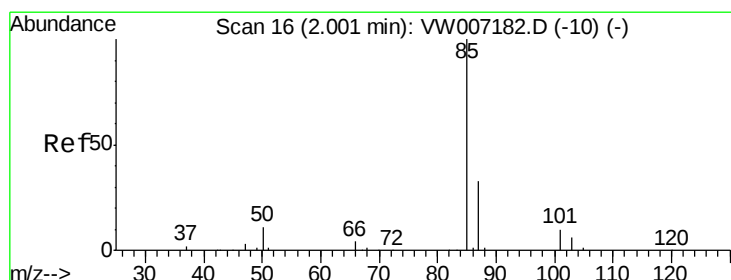
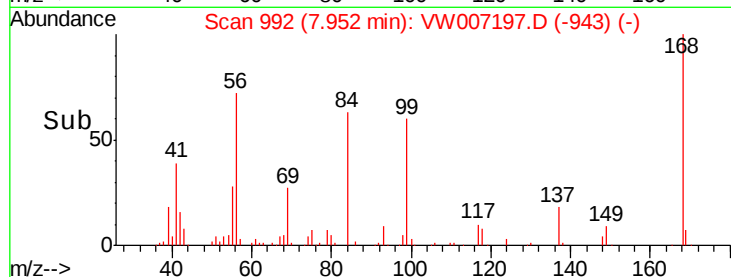
20000

10000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.227 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007197.D

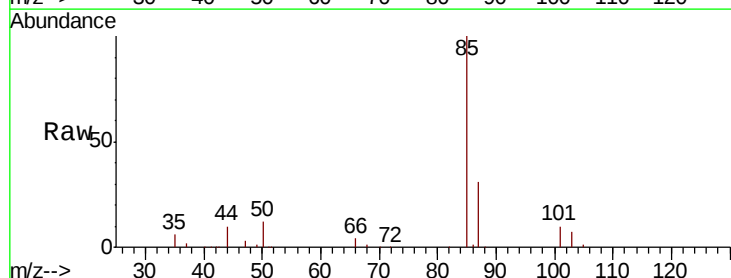
Acq: 04 Dec 2018 19:29

Tgt Ion: 85 Resp: 52262

Ion Ratio Lower Upper

85 100

87 31.2 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VW007182.D (-10) (-)

Ion 86.90 (86.60 to 87.60): VW007182.D (-10) (-)

2.00

40000

30000

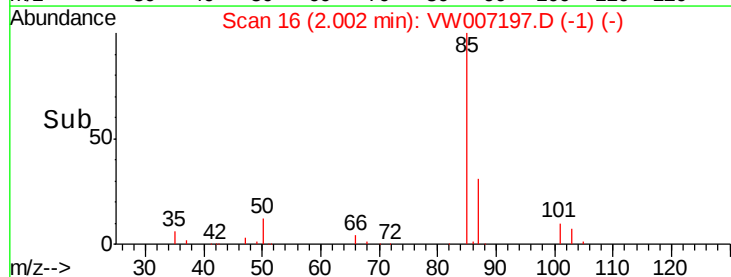
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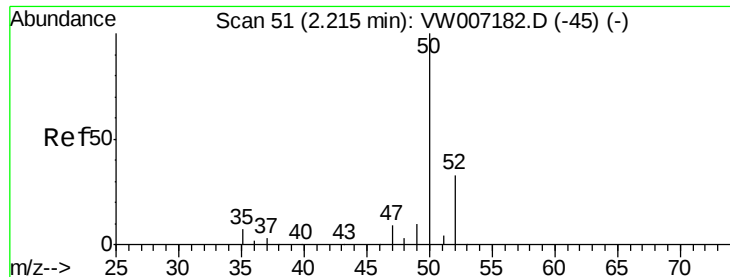
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 46.703 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

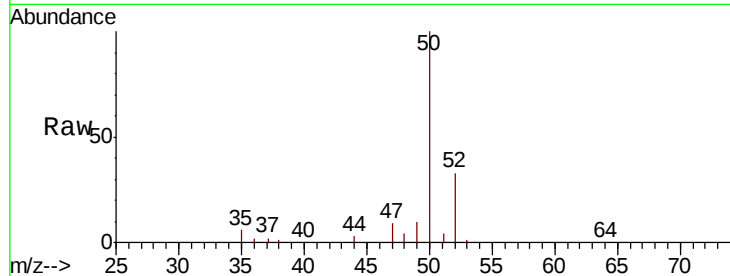
HLSP-SB-5B-(8.5)MS

Tot Ion: 50 Resp: 68343

Ion Ratio Lower Upper

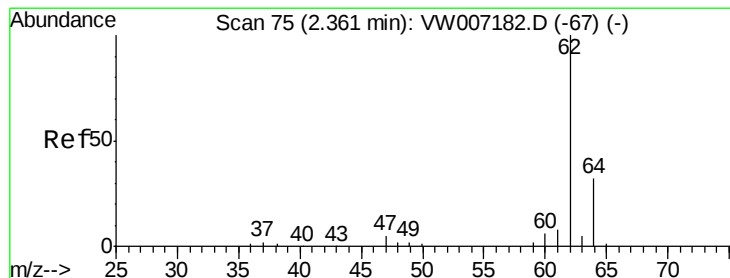
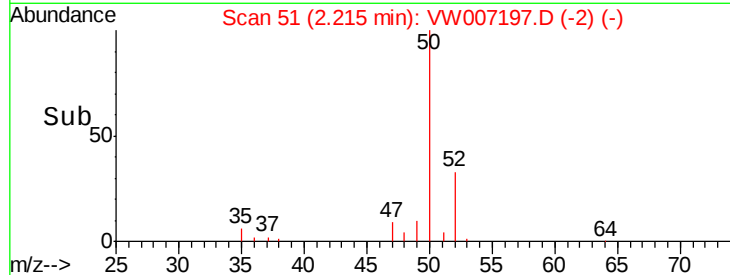
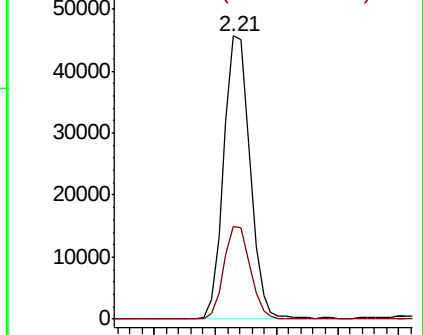
50 100

52 32.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 48.892 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007197.D

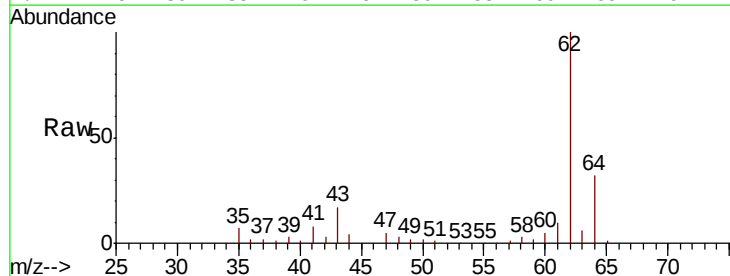
Acq: 04 Dec 2018 19:29

Tgt Ion: 62 Resp: 44797

Ion Ratio Lower Upper

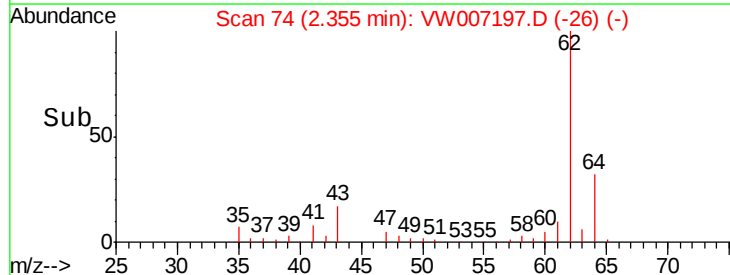
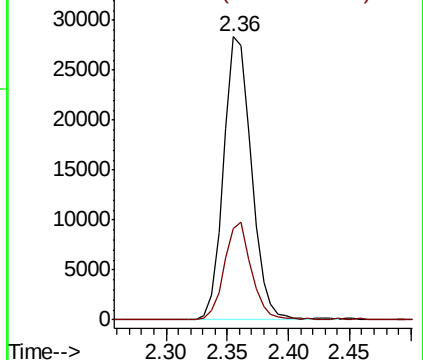
62 100

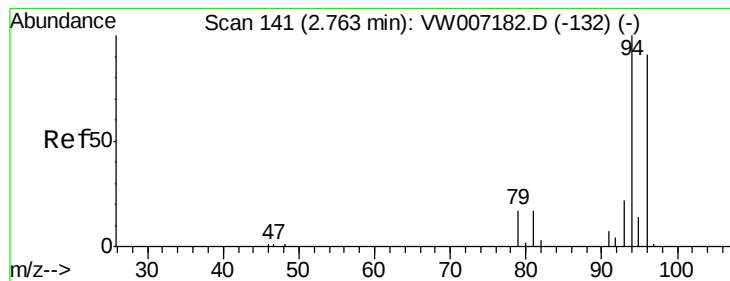
64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 55.888 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

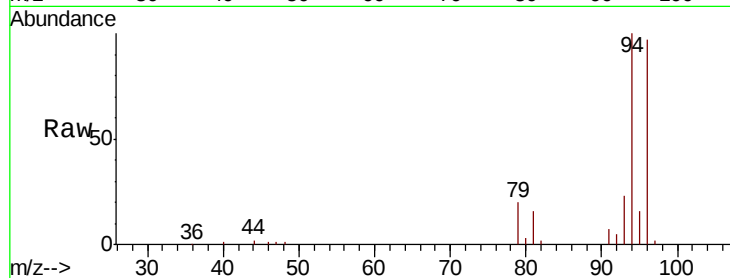
HLSP-SB-5B-(8.5)MS

Tot Ion: 94 Resp: 25660

Ion Ratio Lower Upper

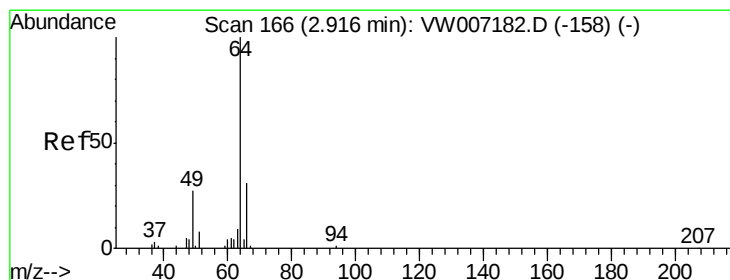
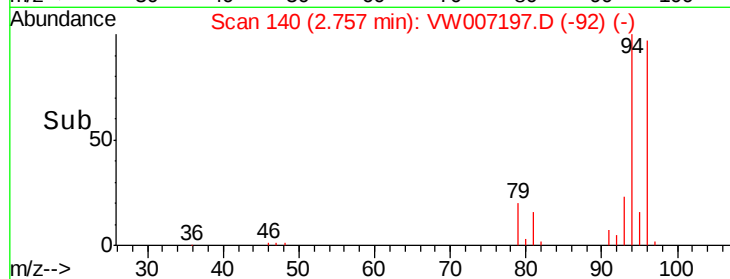
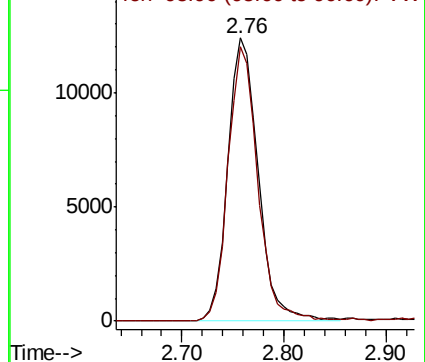
94 100

96 96.8 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.423 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW007197.D

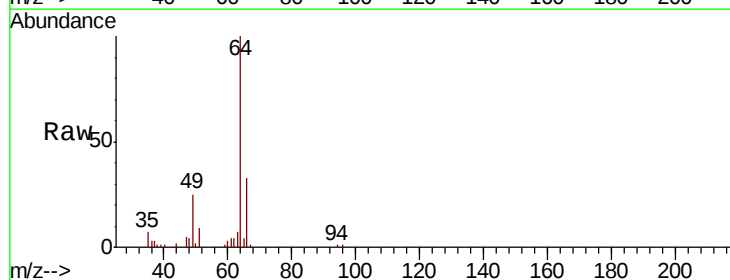
Acq: 04 Dec 2018 19:29

Tgt Ion: 64 Resp: 25408

Ion Ratio Lower Upper

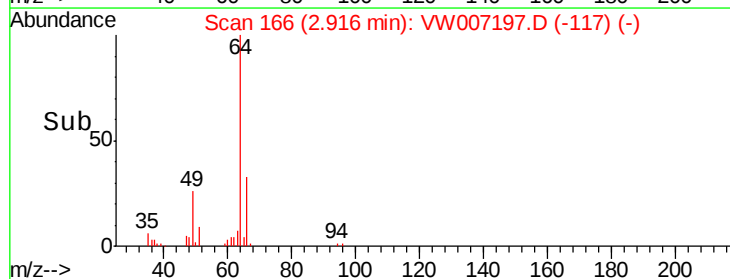
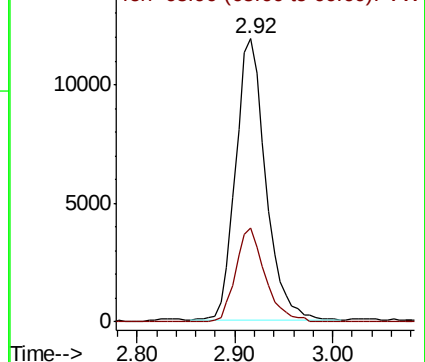
64 100

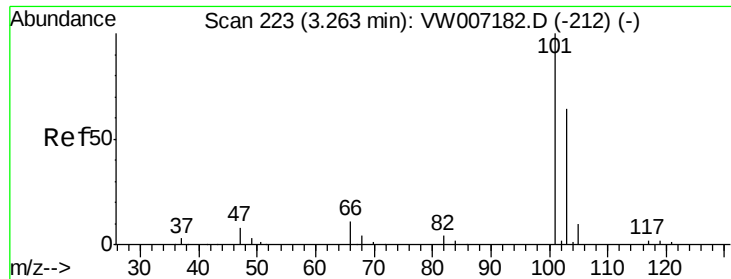
66 33.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



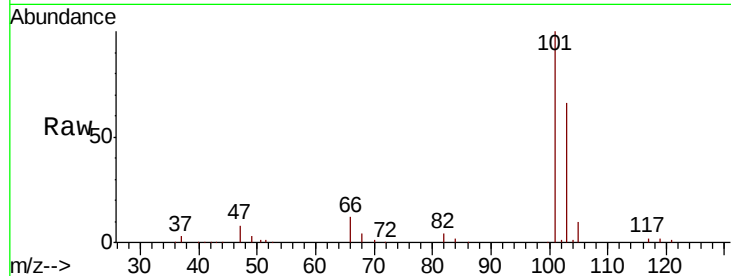


#7

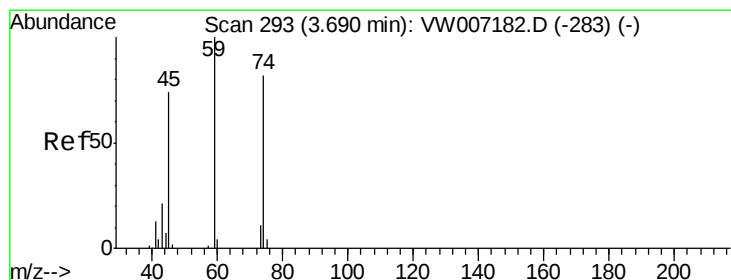
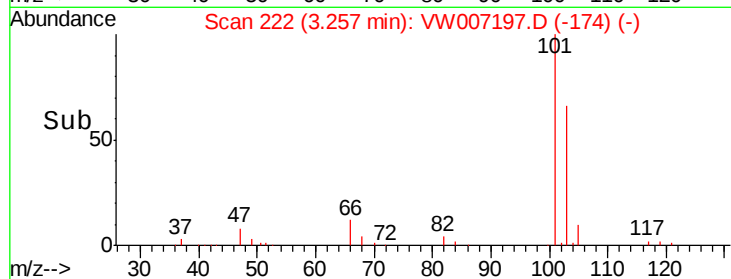
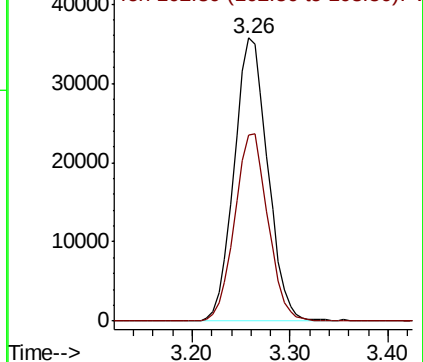
Trichlorofluoromethane  
Concen: 47.662 ug/l  
RT: 3.26 min Scan# 222  
Delta R.T. -0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

Tot Ion:101 Resp: 85140  
Ion Ratio Lower Upper  
101 100  
103 65.9 50.9 76.3



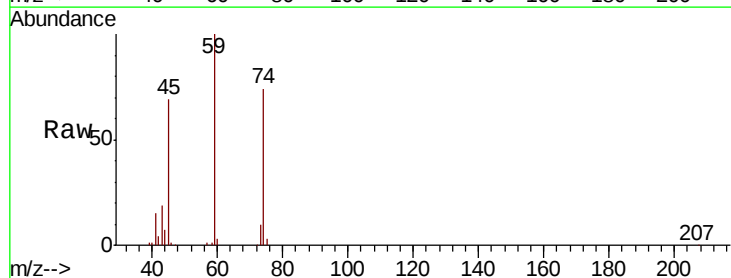
Abundance Ion 100.90 (100.60 to 101.60): V  
Ion 102.80 (102.50 to 103.50): V



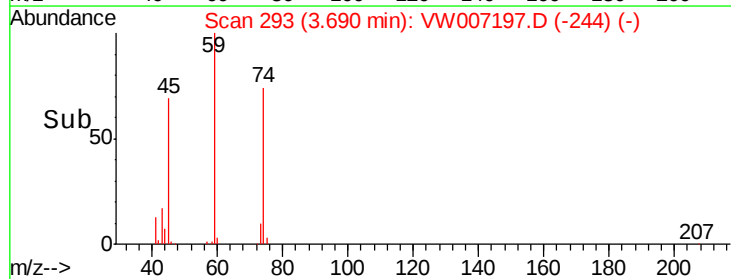
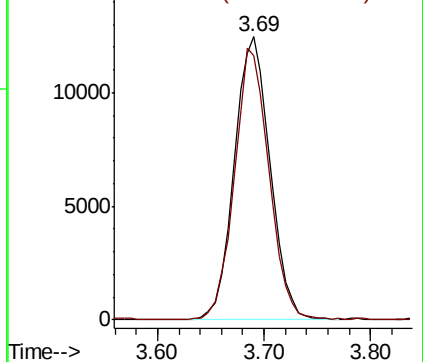
#8

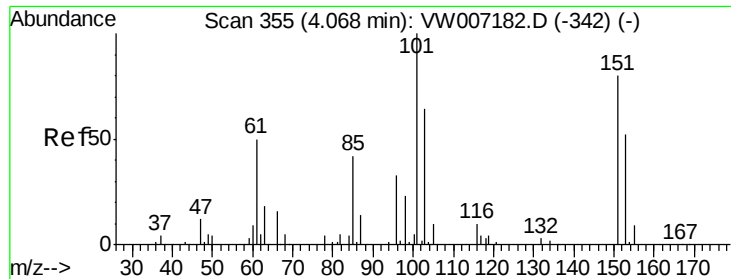
Diethyl Ether  
Concen: 59.145 ug/l  
RT: 3.69 min Scan# 293  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 74 Resp: 29450  
Ion Ratio Lower Upper  
74 100  
45 92.7 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VW  
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.994 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

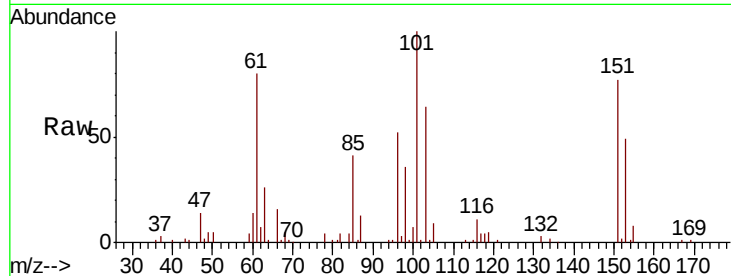
Tot Ion:101 Resp: 50711

Ion Ratio Lower Upper

101 100

85 42.7 33.4 50.2

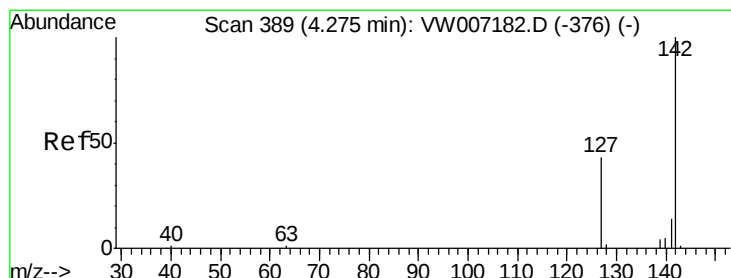
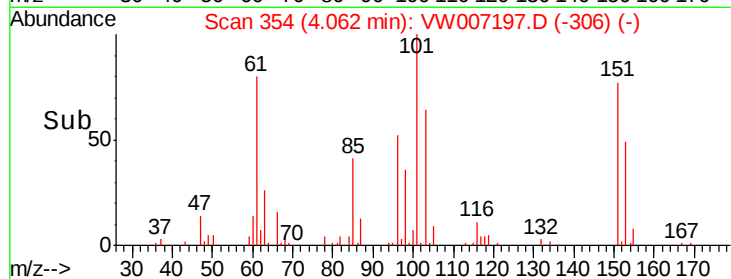
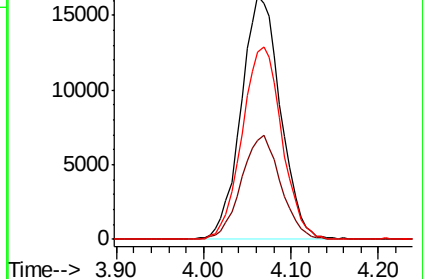
151 80.1 63.9 95.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.466 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

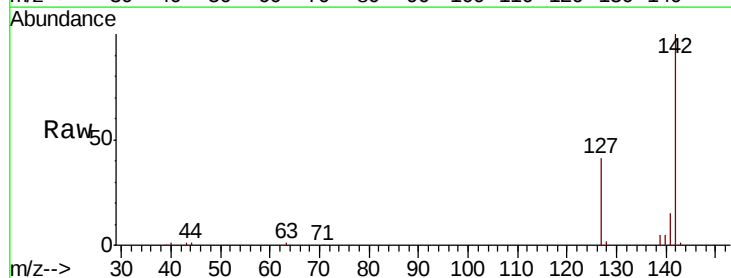
Tgt Ion:142 Resp: 42714

Ion Ratio Lower Upper

142 100

127 42.1 34.9 52.3

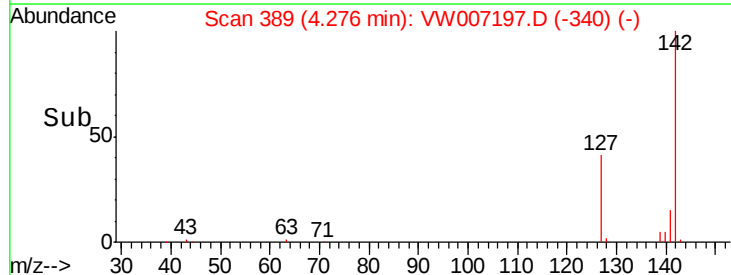
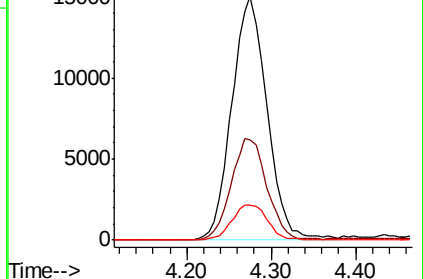
141 14.6 11.7 17.5

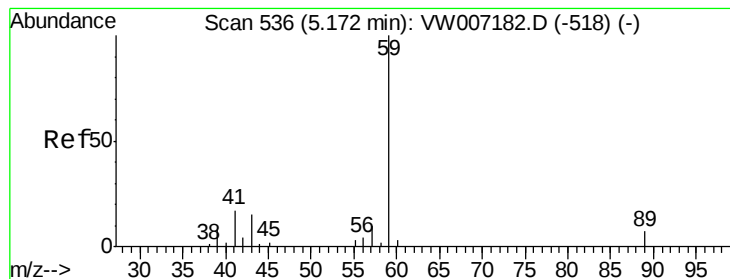


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



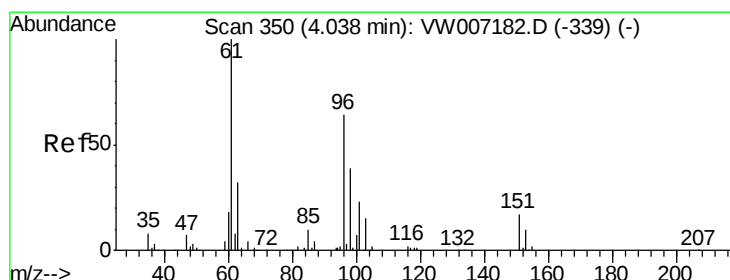
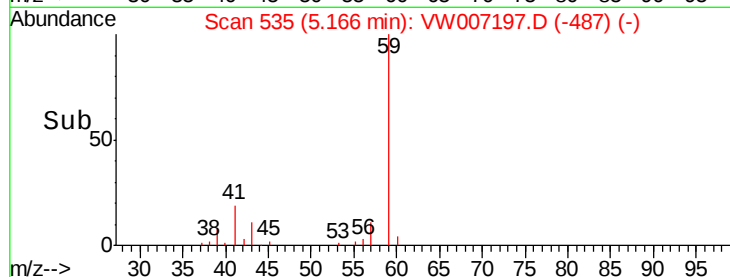
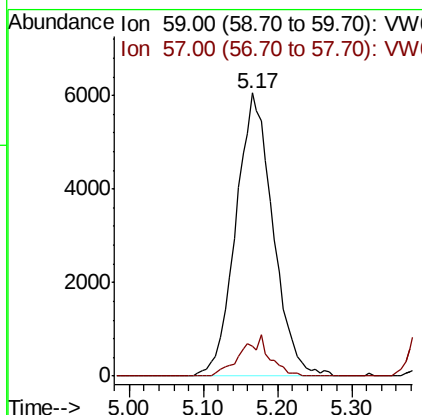
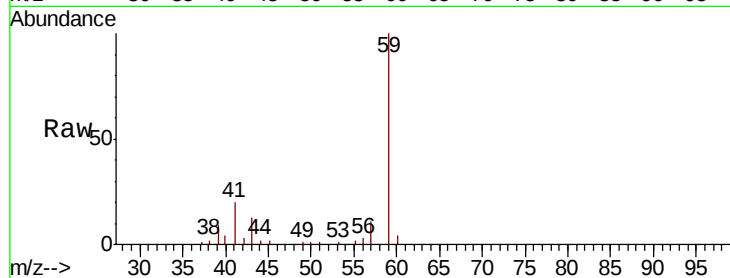


#11

Tert butyl alcohol  
 Concen: 222.800 ug/l  
 RT: 5.17 min Scan# 535  
 Delta R.T. -0.01 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

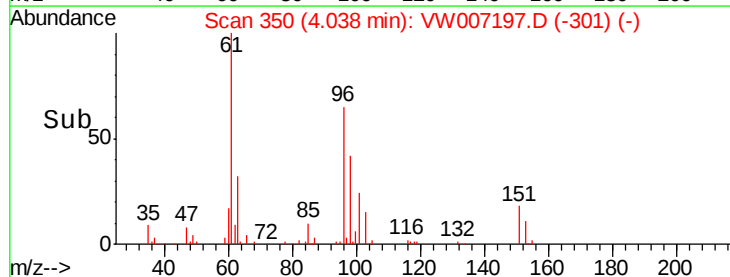
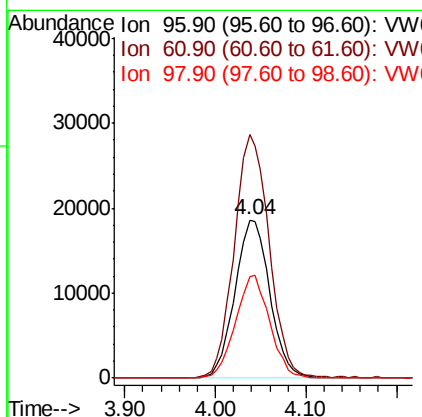
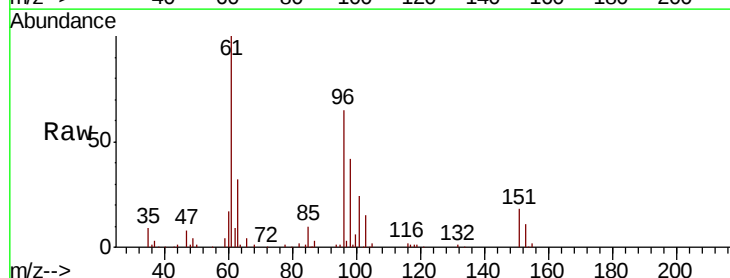
Tot Ion: 59 Resp: 21106  
 Ion Ratio Lower Upper  
 59 100  
 57 6.6 7.1 10.7#

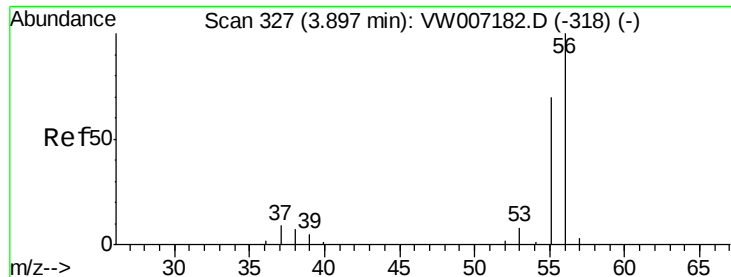


#12

1,1-Dichloroethene  
 Concen: 49.146 ug/l  
 RT: 4.04 min Scan# 350  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion: 96 Resp: 49700  
 Ion Ratio Lower Upper  
 96 100  
 61 153.7 124.1 186.1  
 98 63.9 48.6 72.8





#13

Acrolein

Concen: 211.891 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

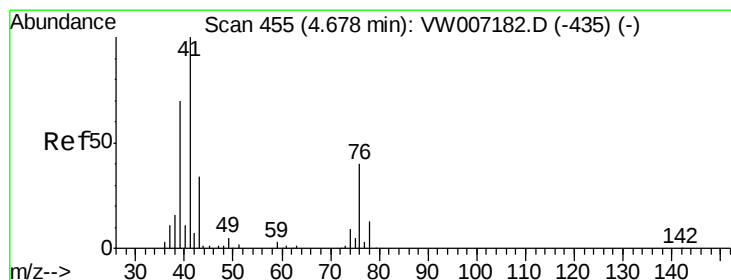
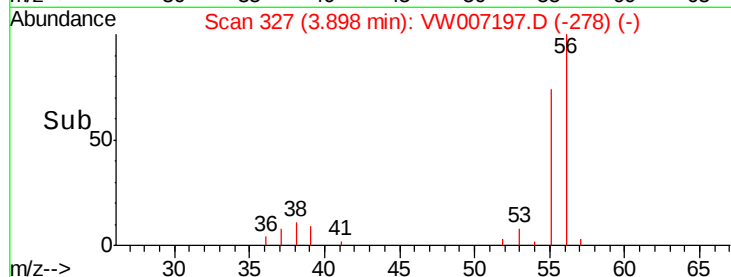
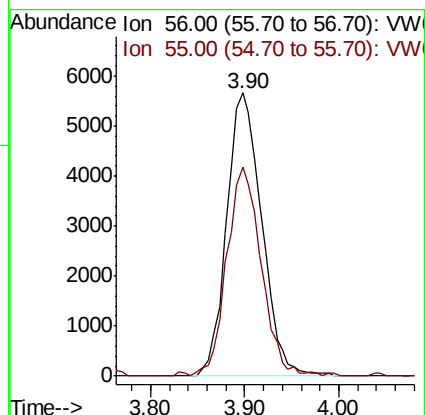
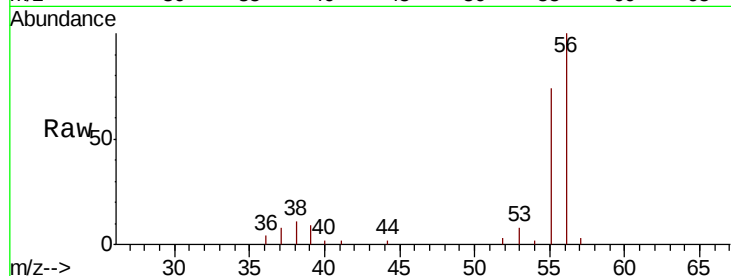
HLSP-SB-5B-(8.5)MS

Tot Ion: 56 Resp: 14600

Ion Ratio Lower Upper

56 100

55 72.7 56.9 85.3



#14

Allyl chloride

Concen: 50.336 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

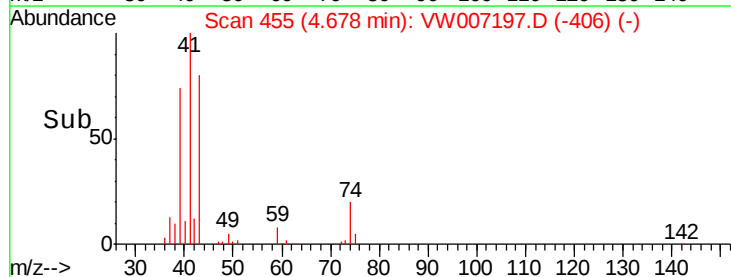
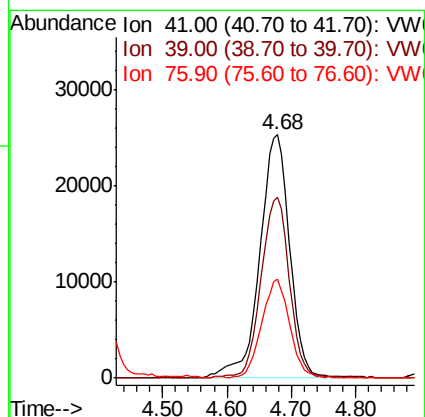
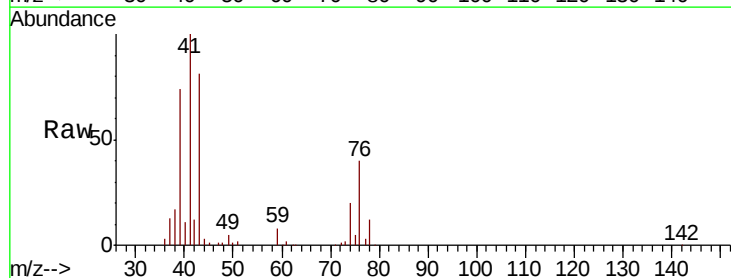
Tgt Ion: 41 Resp: 81593

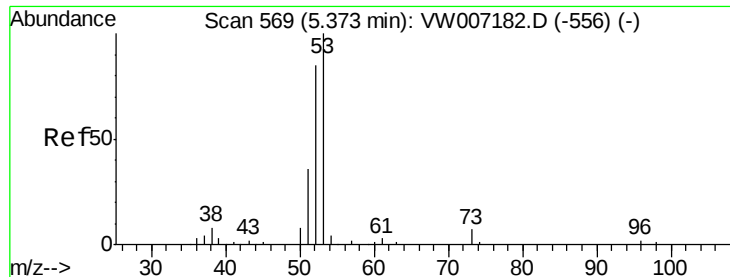
Ion Ratio Lower Upper

41 100

39 70.7 55.9 83.9

76 37.8 30.8 46.2





#15

Acrylonitrile

Concen: 300.482 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

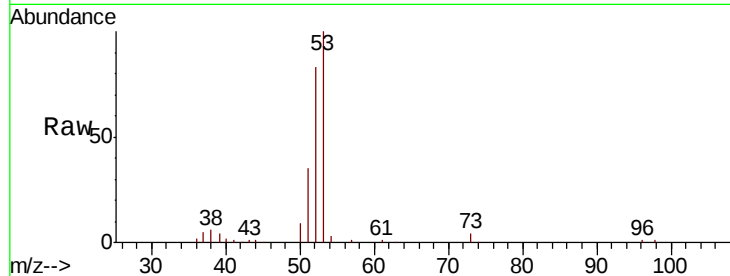
Tot Ion: 53 Resp: 62548

Ion Ratio Lower Upper

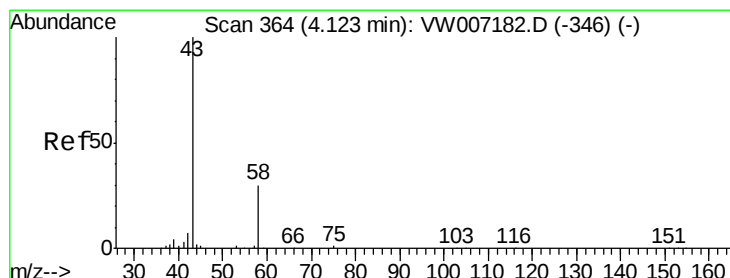
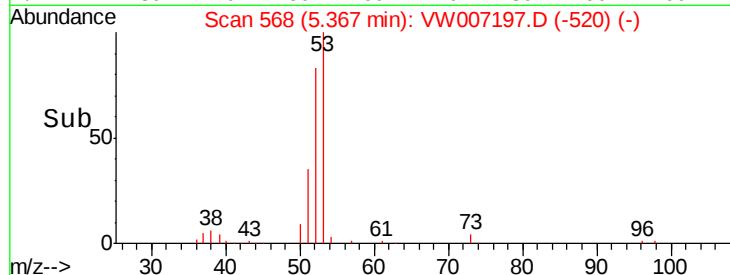
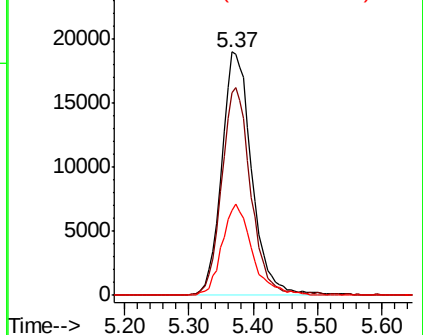
53 100

52 82.7 66.1 99.1

51 37.6 30.3 45.5



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



#16

Acetone

Concen: 218.730 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007197.D

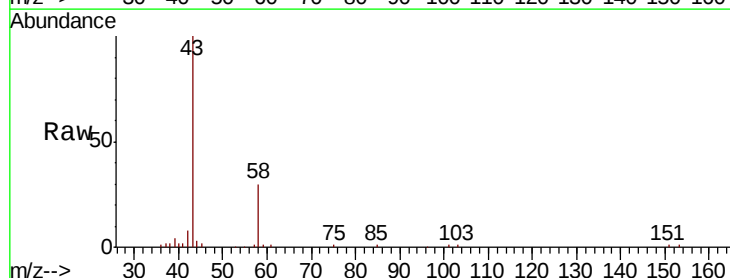
Acq: 04 Dec 2018 19:29

Tgt Ion: 43 Resp: 50919

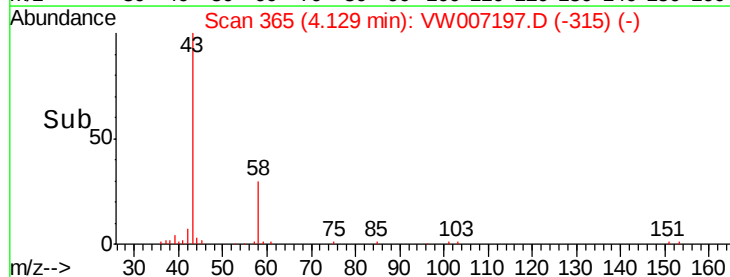
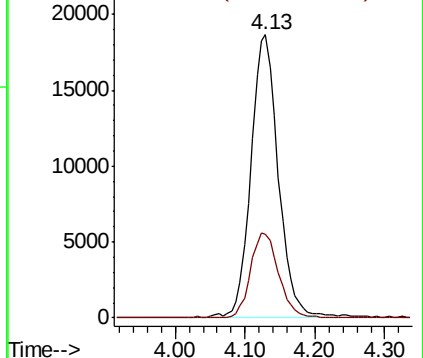
Ion Ratio Lower Upper

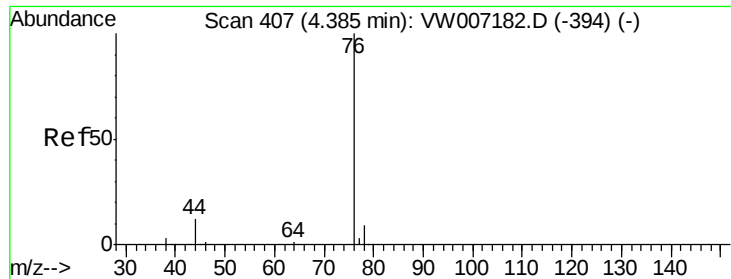
43 100

58 29.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VW  
Ion 58.00 (57.70 to 58.70): VW

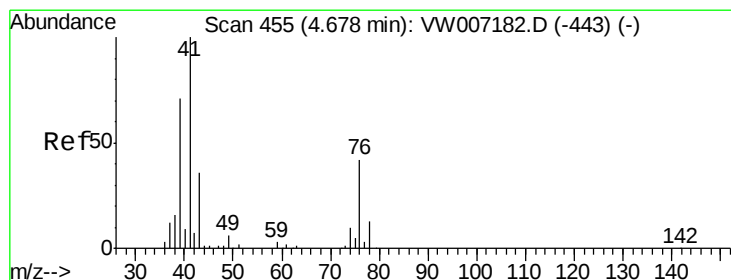
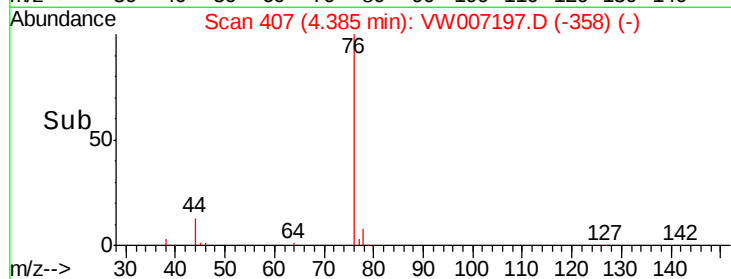
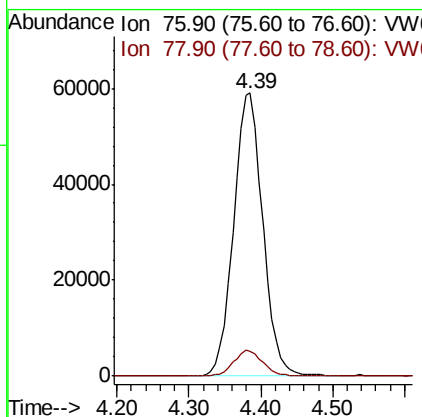
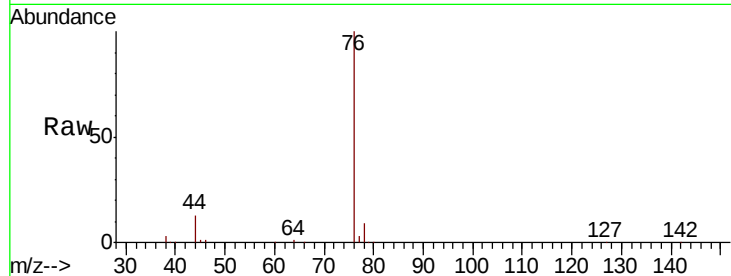




#17  
Carbon Disulfide  
Concen: 49.673 ug/l  
RT: 4.39 min Scan# 407  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

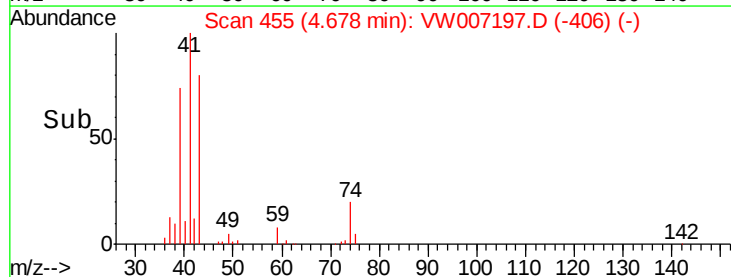
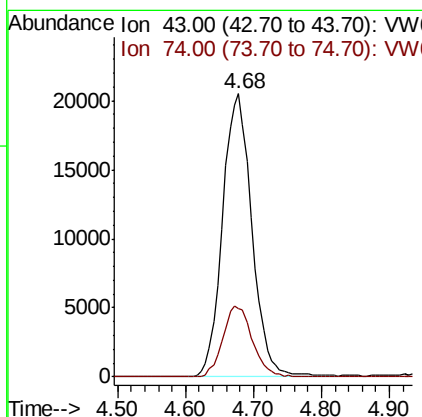
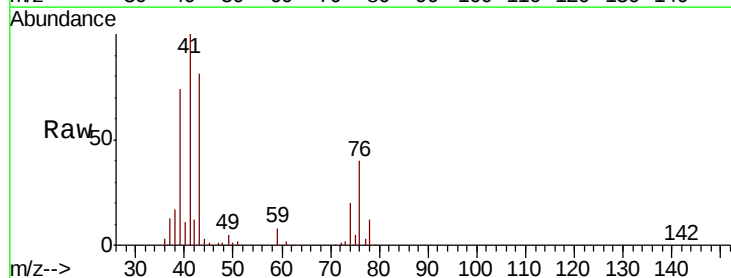
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

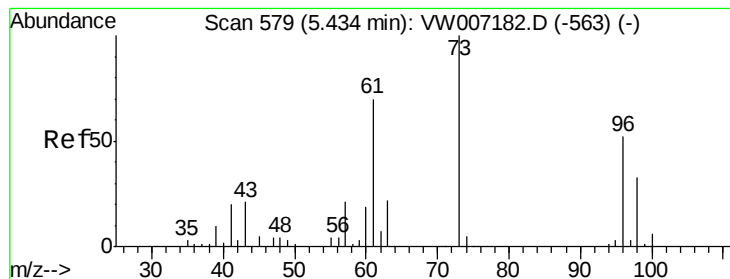
Tot Ion: 76 Resp: 165582  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.2 10.8



#18  
Methyl Acetate  
Concen: 115.493 ug/l  
RT: 4.68 min Scan# 455  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 43 Resp: 61370  
Ion Ratio Lower Upper  
43 100  
74 25.0 20.1 30.1



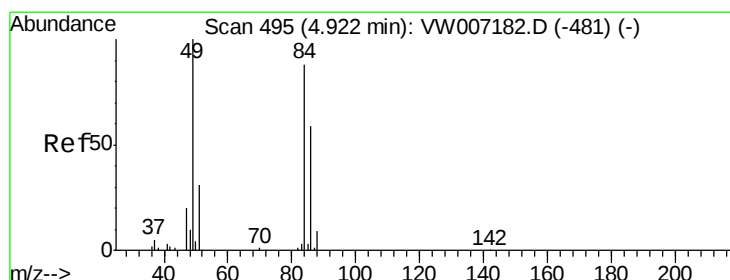
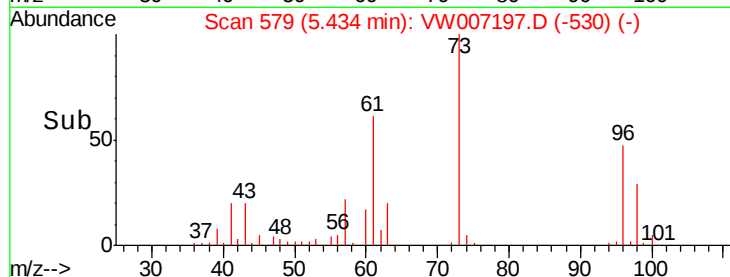
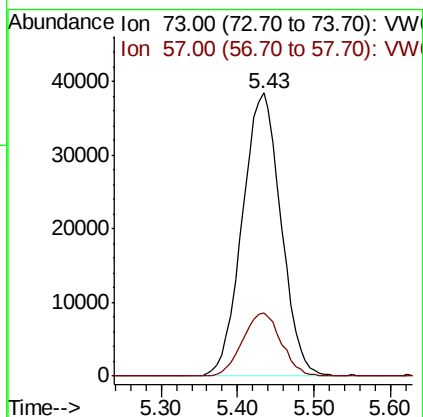
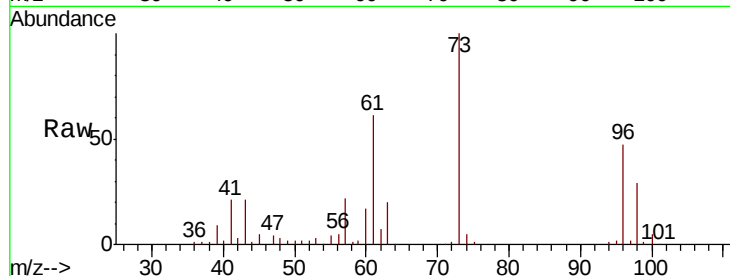


#19

Methyl tert-butyl Ether  
 Concen: 56.866 ug/l  
 RT: 5.43 min Scan# 579  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

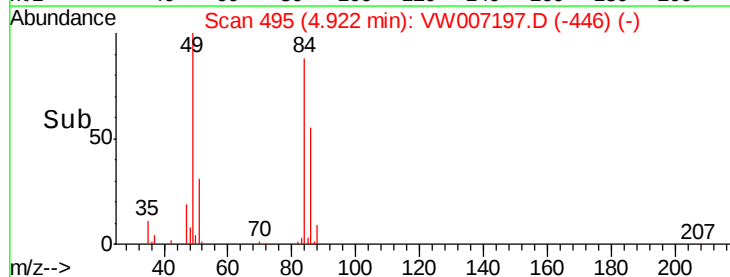
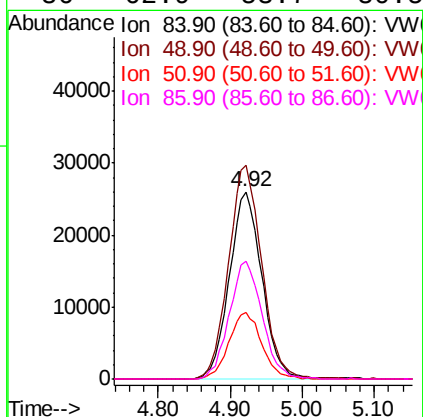
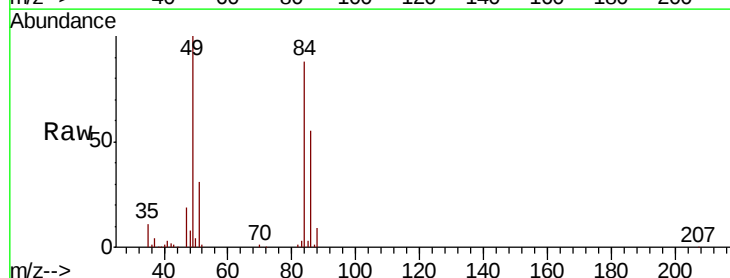
Tot Ion: 73 Resp: 135396  
 Ion Ratio Lower Upper  
 73 100  
 57 22.3 16.6 25.0

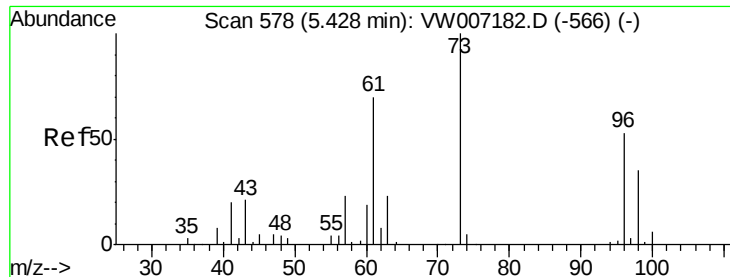


#20

Methylene Chloride  
 Concen: 72.099 ug/l  
 RT: 4.92 min Scan# 495  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion: 84 Resp: 81822  
 Ion Ratio Lower Upper  
 84 100  
 49 114.0 90.6 135.8  
 51 35.5 27.6 41.4  
 86 62.9 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 49.857 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

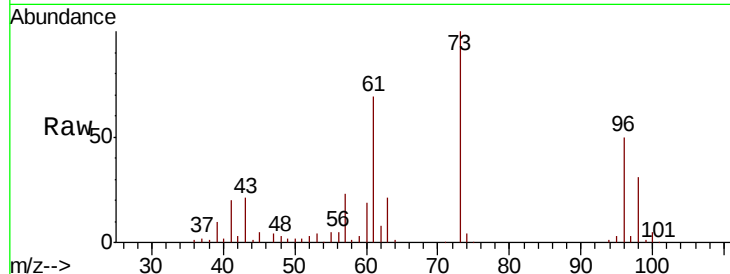
Tot Ion: 96 Resp: 56298

Ion Ratio Lower Upper

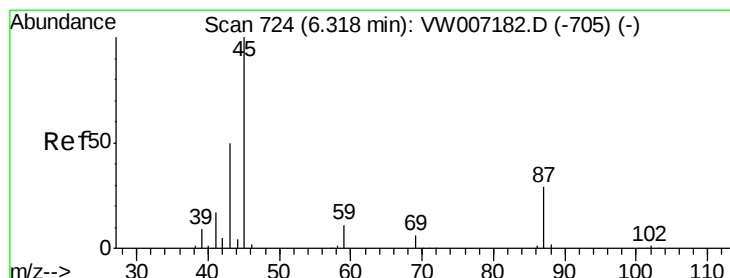
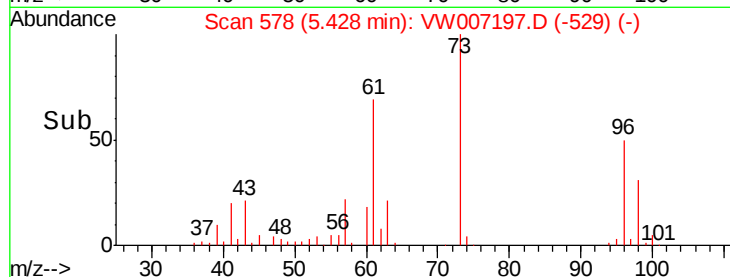
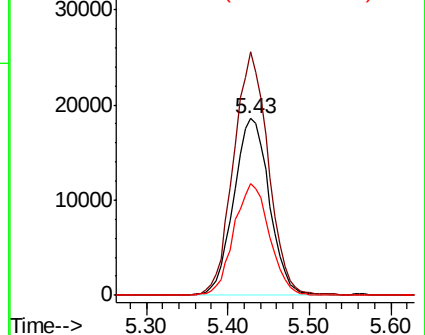
96 100

61 137.6 105.5 158.3

98 63.0 52.6 79.0



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



#22

Diisopropyl ether

Concen: 54.970 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Tgt Ion: 45 Resp: 159958

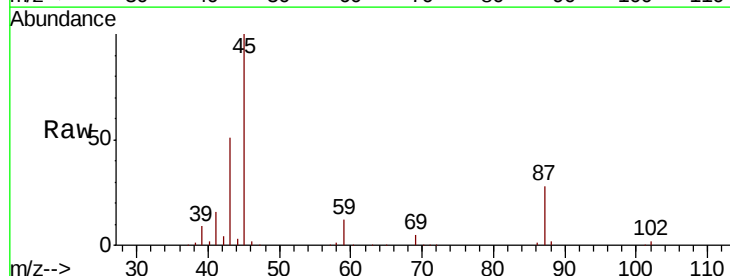
Ion Ratio Lower Upper

45 100

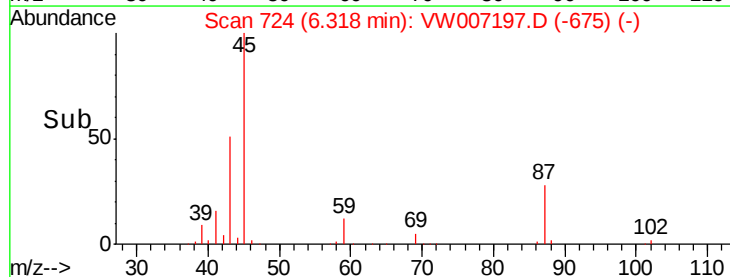
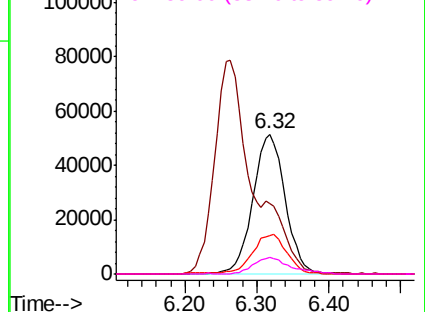
43 50.4 40.8 61.2

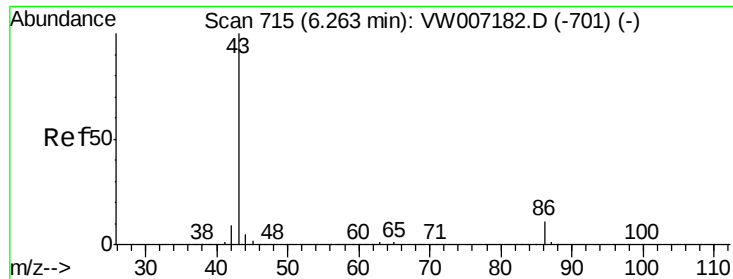
87 27.6 24.0 36.0

59 12.0 9.1 13.7



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

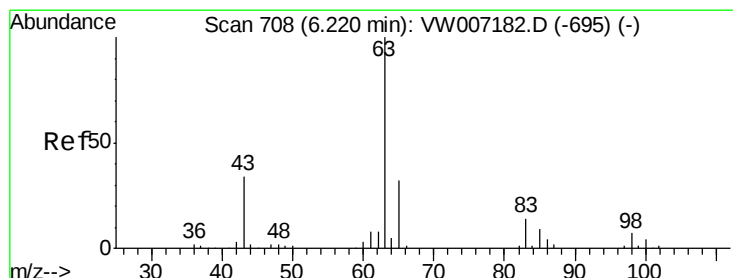
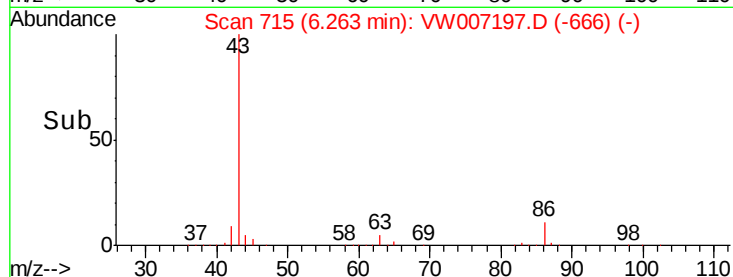
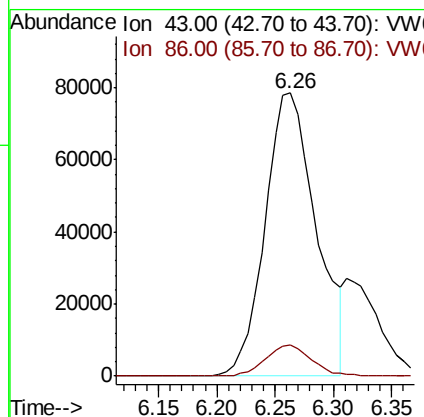
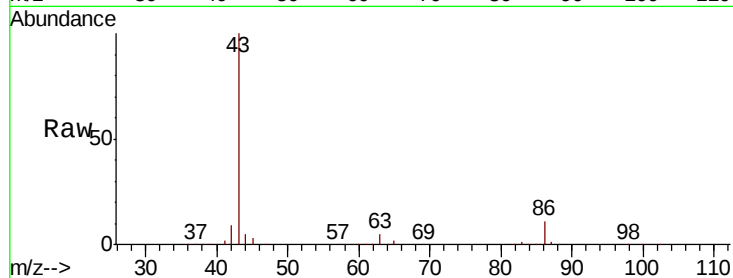




#23  
 Vinyl Acetate  
 Concen: 150.774 ug/l  
 RT: 6.26 min Scan# 715  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

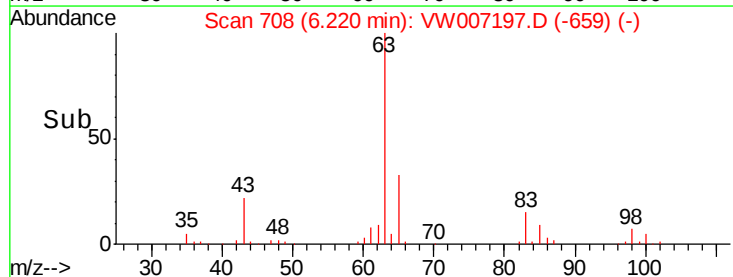
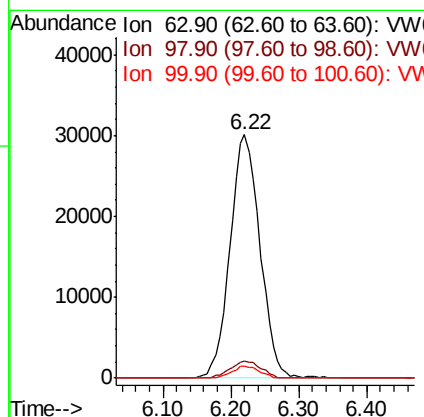
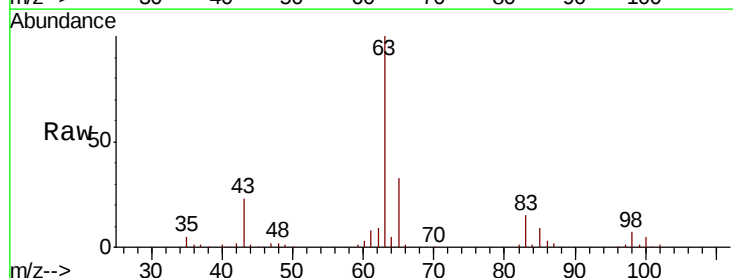
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

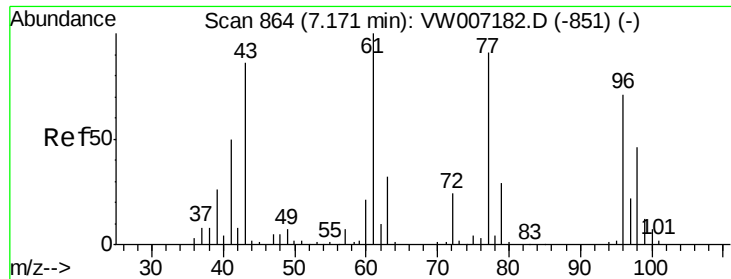
Tot Ion: 43 Resp: 239396  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 9.0 13.6



#24  
 1,1-Dichloroethane  
 Concen: 49.216 ug/l  
 RT: 6.22 min Scan# 708  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion: 63 Resp: 91791  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.5 10.5  
 100 4.8 2.1 6.2

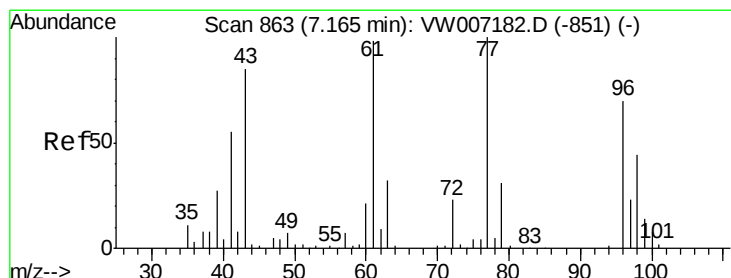
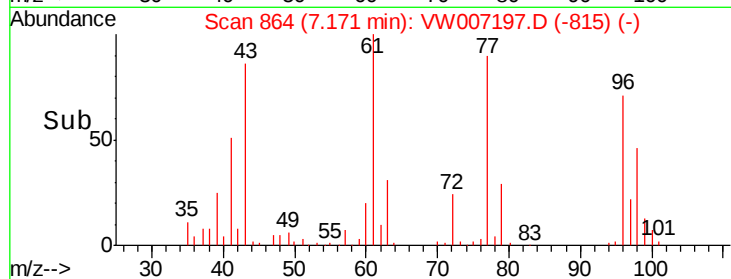
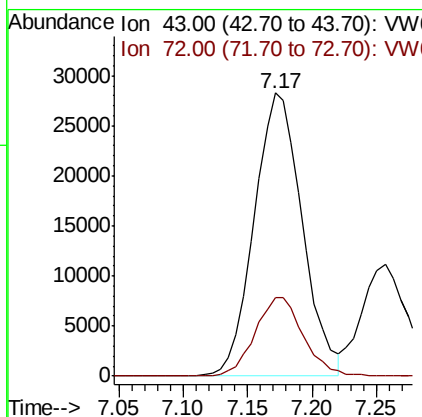
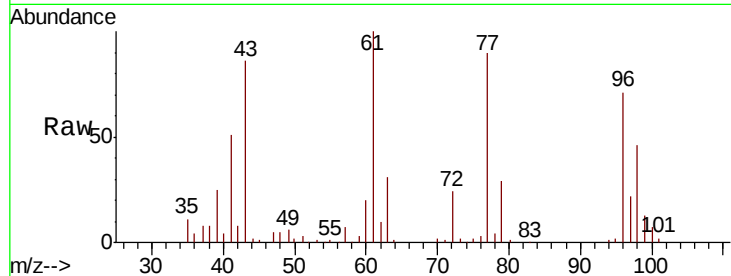




#25  
2-Butanone  
Concen: 270.949 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

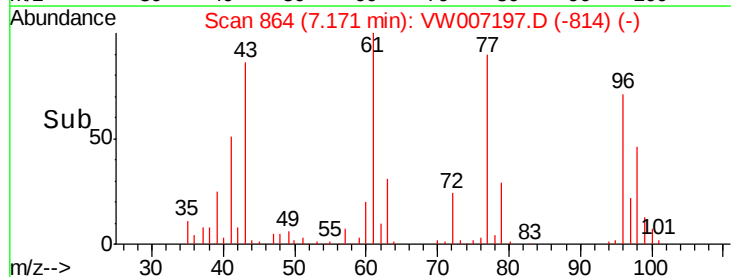
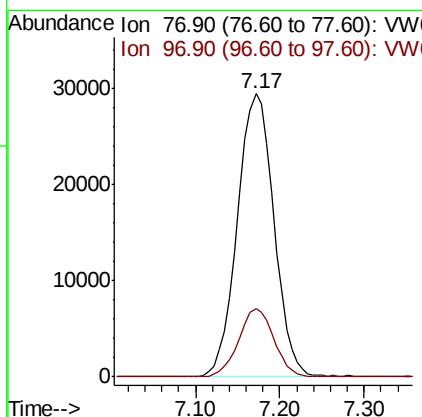
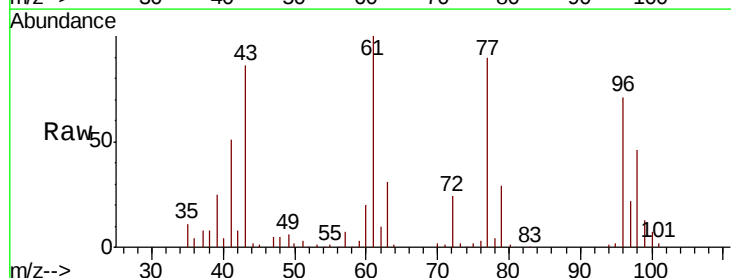
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

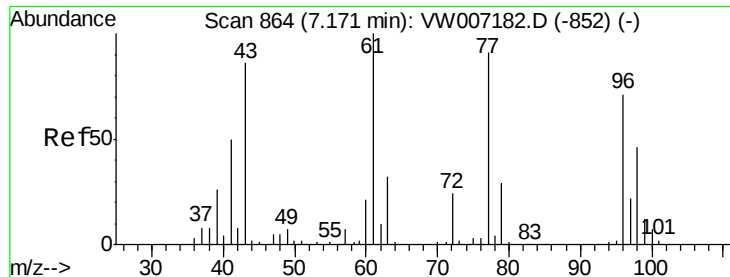
Tot Ion: 43 Resp: 73117  
Ion Ratio Lower Upper  
43 100  
72 28.0 22.8 34.2



#26  
2,2-Dichloropropane  
Concen: 48.385 ug/l  
RT: 7.17 min Scan# 864  
Delta R.T. 0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 77 Resp: 86721  
Ion Ratio Lower Upper  
77 100  
97 23.2 11.5 34.4

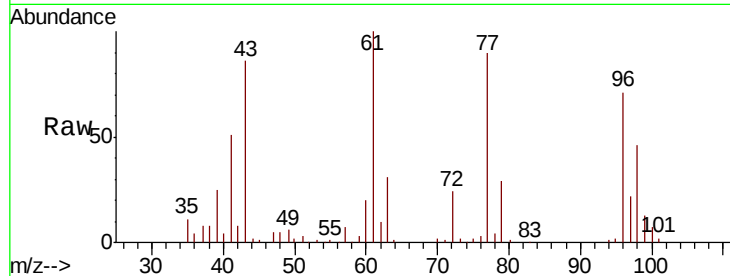




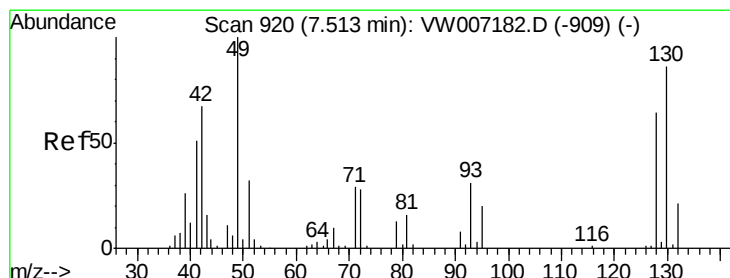
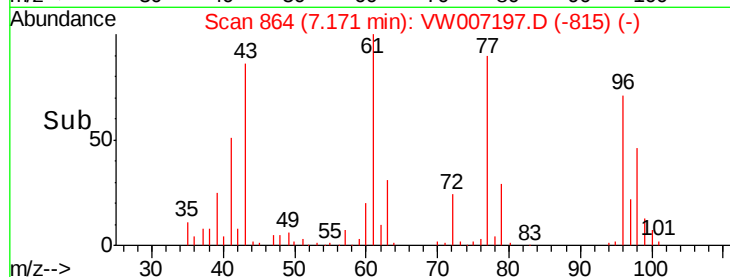
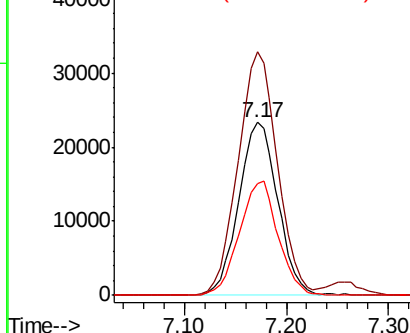
#27  
 cis-1,2-Dichloroethene  
 Concen: 51.111 ug/l  
 RT: 7.17 min Scan# 864  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

Tot Ion: 96 Resp: 61869  
 Ion Ratio Lower Upper  
 96 100  
 61 142.5 0.0 282.4  
 98 65.7 0.0 129.8

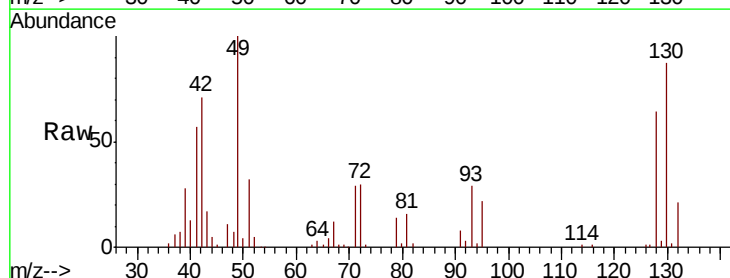


Abundance Ion 95.90 (95.60 to 96.60): VW  
 Ion 60.90 (60.60 to 61.60): VW  
 Ion 97.90 (97.60 to 98.60): VW

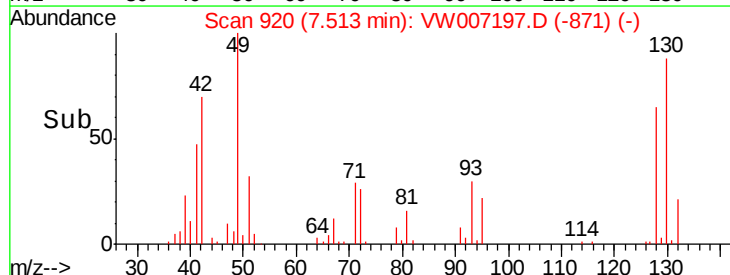
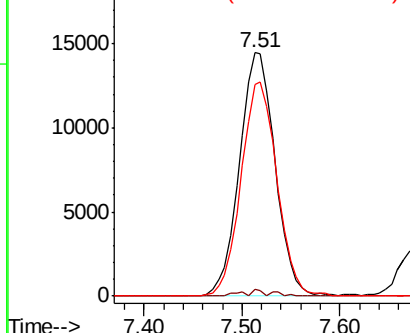


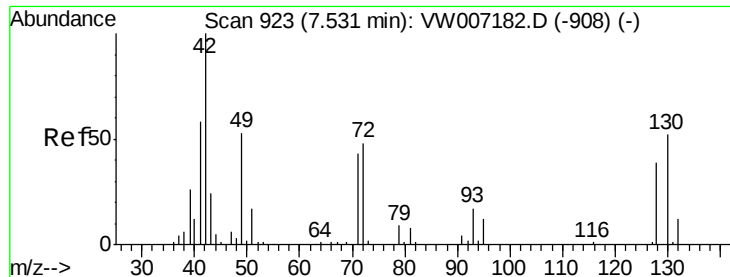
#28  
 Bromochloromethane  
 Concen: 54.435 ug/l  
 RT: 7.51 min Scan# 920  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion: 49 Resp: 36608  
 Ion Ratio Lower Upper  
 49 100  
 129 1.3 0.0 3.8  
 130 88.4 70.3 105.5



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

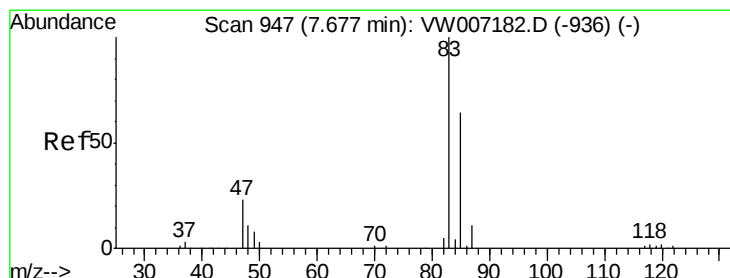
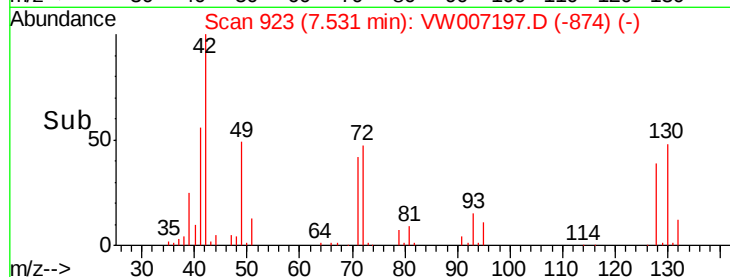
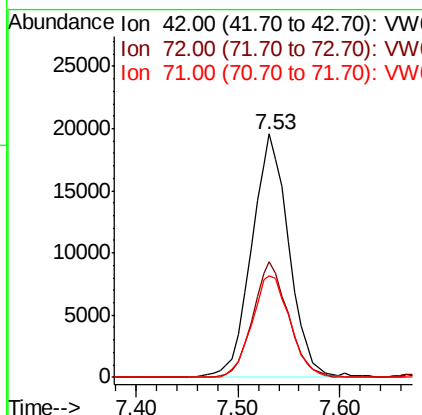
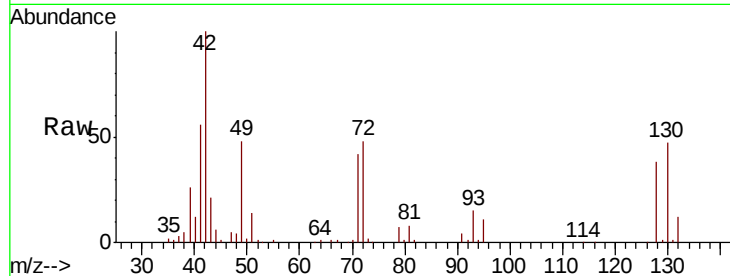




#29  
Tetrahydrofuran  
Concen: 296.500 ug/l  
RT: 7.53 min Scan# 923  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

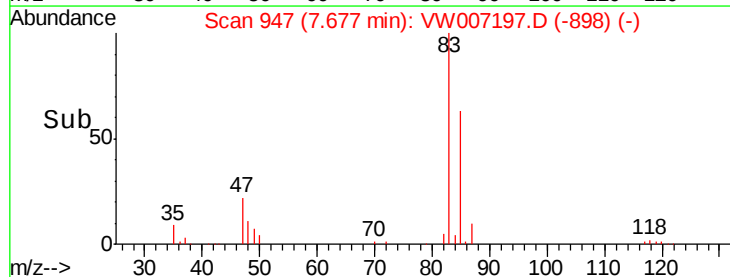
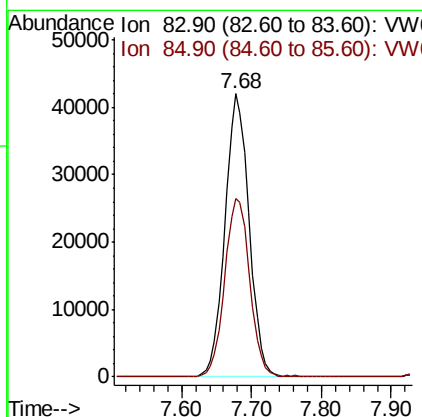
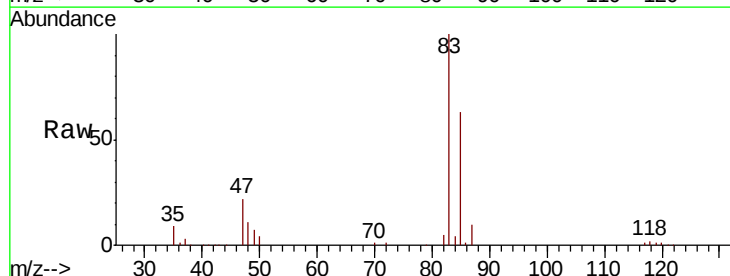
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

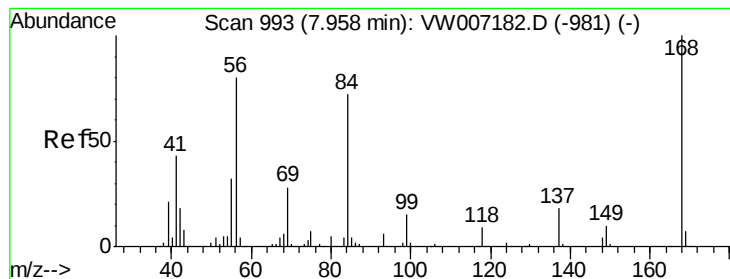
Tot Ion: 42 Resp: 49444  
Ion Ratio Lower Upper  
42 100  
72 45.5 36.6 55.0  
71 43.0 34.8 52.2



#30  
Chloroform  
Concen: 51.948 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 83 Resp: 100692  
Ion Ratio Lower Upper  
83 100  
85 63.2 51.5 77.3

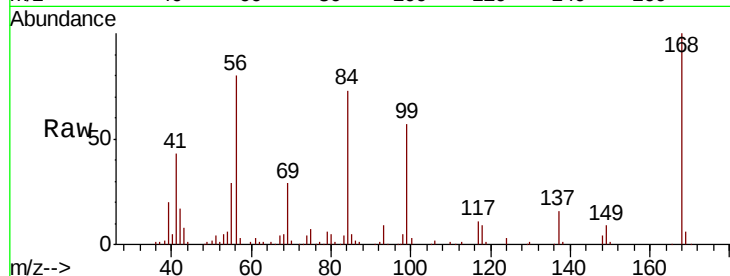




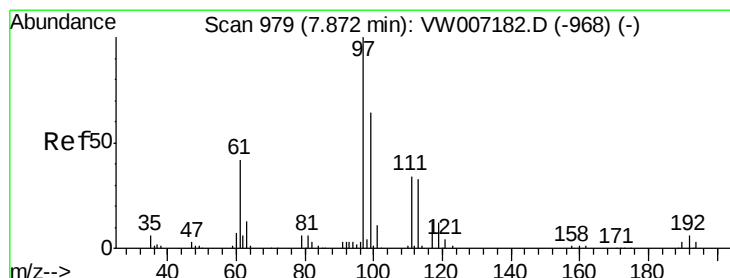
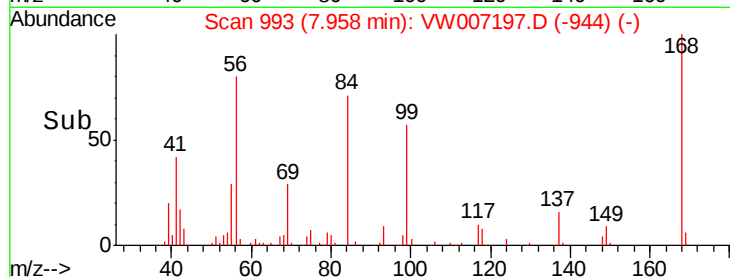
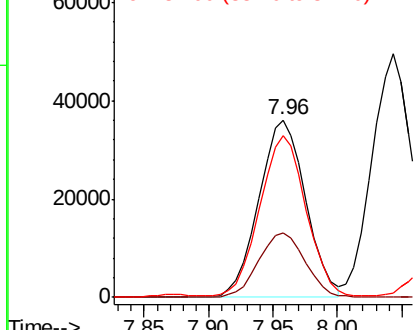
#31  
Cyclohexane  
Concen: 46.527 ug/l  
RT: 7.96 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

Tot Ion: 56 Resp: 90794  
Ion Ratio Lower Upper  
56 100  
69 36.3 28.2 42.2  
84 89.9 72.1 108.1

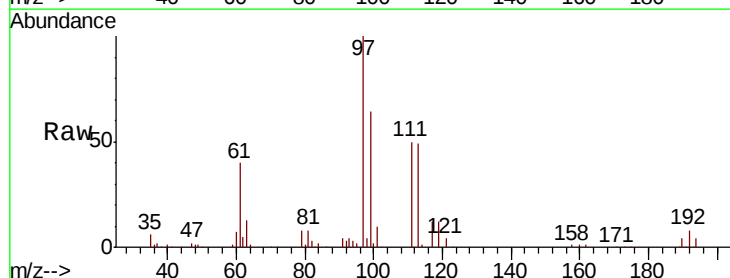


Abundance Ion 56.00 (55.70 to 56.70): VW  
Ion 69.00 (68.70 to 69.70): VW  
Ion 84.00 (83.70 to 84.70): VW

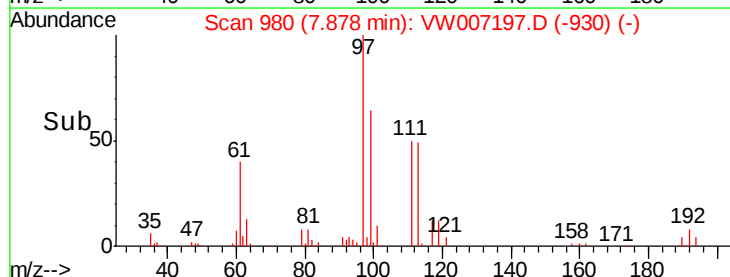
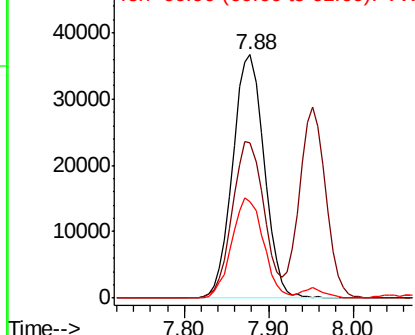


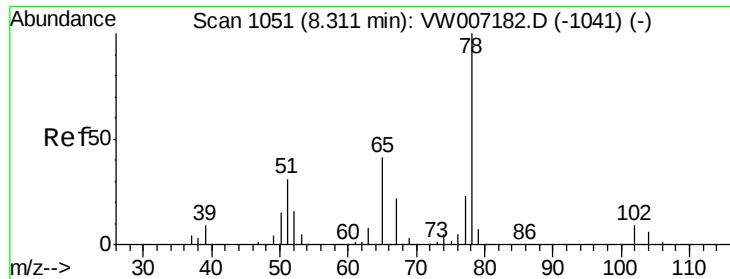
#32  
1,1,1-Trichloroethane  
Concen: 50.941 ug/l  
RT: 7.88 min Scan# 980  
Delta R.T. 0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 97 Resp: 92923  
Ion Ratio Lower Upper  
97 100  
99 64.9 51.3 76.9  
61 41.4 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VW  
Ion 98.90 (98.60 to 99.60): VW  
Ion 60.90 (60.60 to 61.60): VW

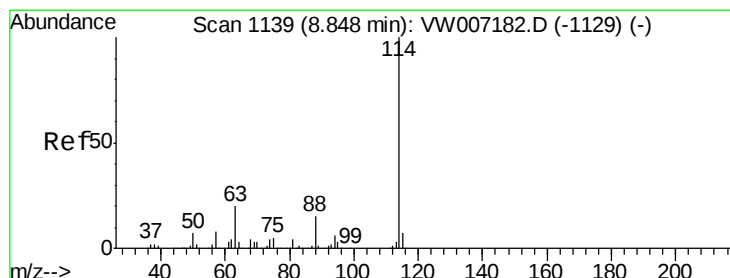
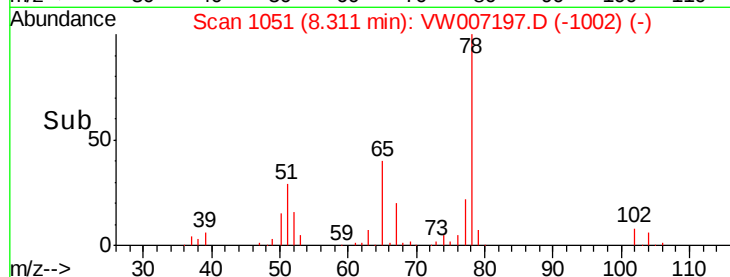
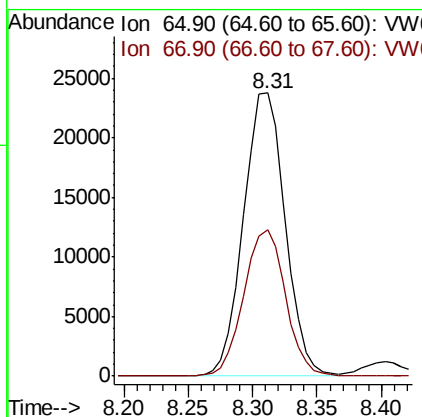
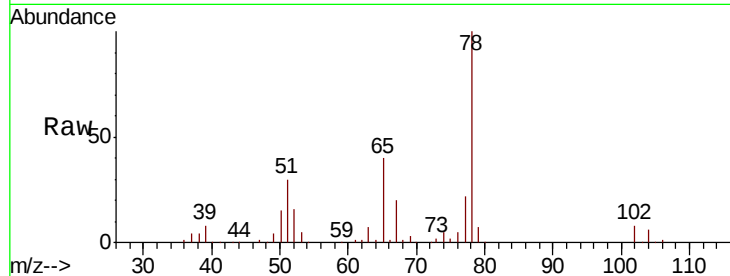




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.218 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

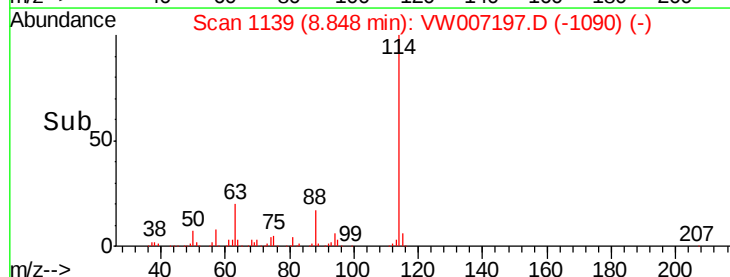
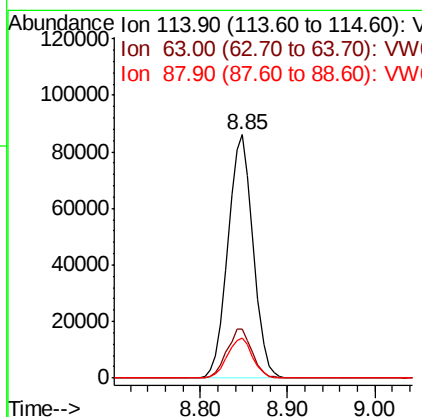
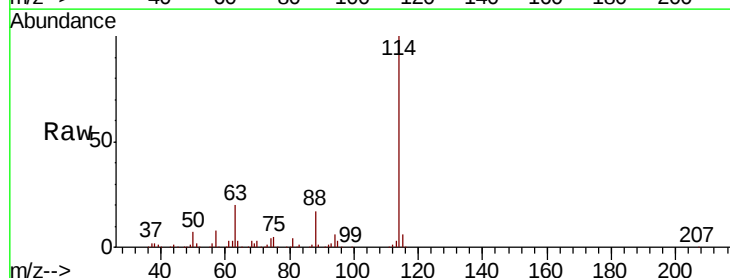
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

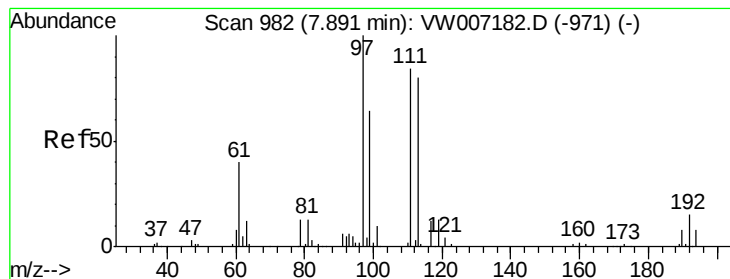
Tot Ion: 65 Resp: 53316  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 106.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion: 114 Resp: 171914  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 40.2  
 88 16.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.611 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

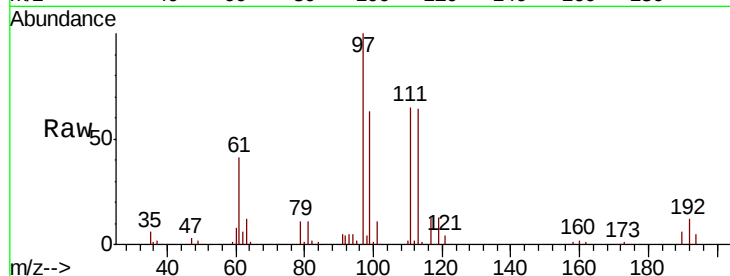
Tot Ion:113 Resp: 49820

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 18.8 14.4 21.6

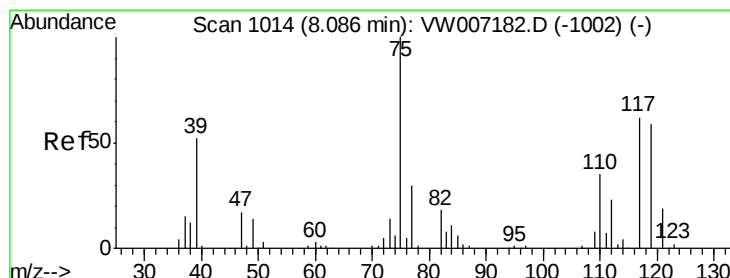
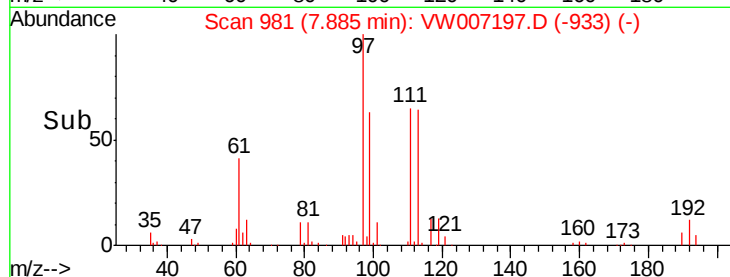
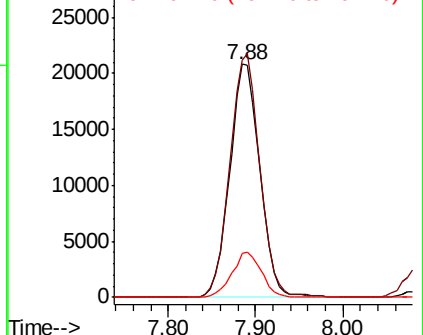


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.595 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

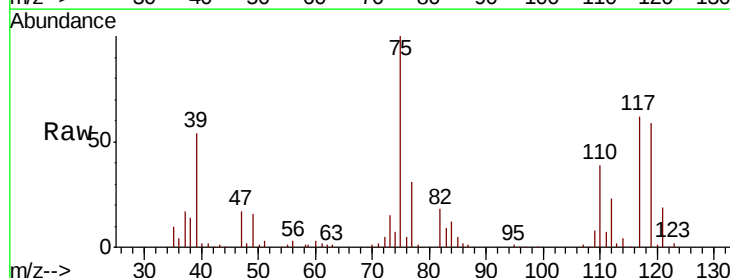
Tgt Ion: 75 Resp: 81287

Ion Ratio Lower Upper

75 100

110 37.1 18.3 54.9

77 30.9 24.9 37.3

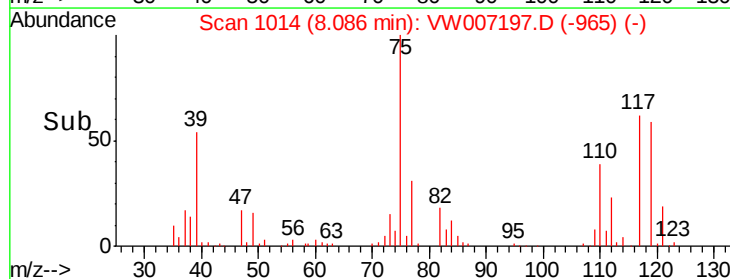
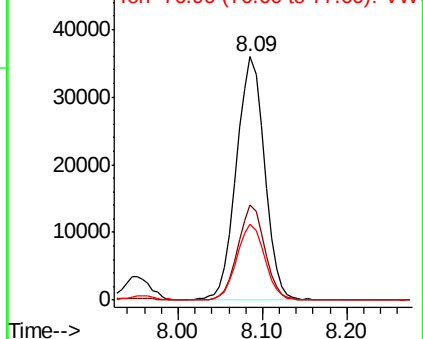


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

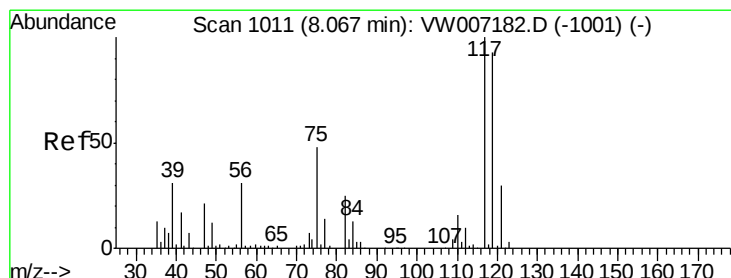
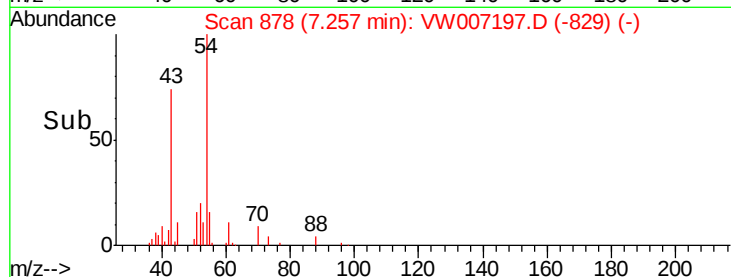
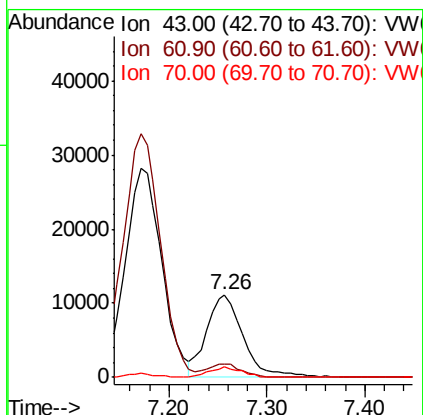
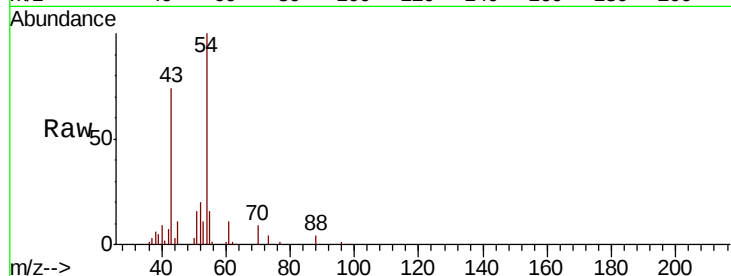




#37  
Ethyl Acetate  
Concen: 46.933 ug/l  
RT: 7.26 min Scan# 878  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

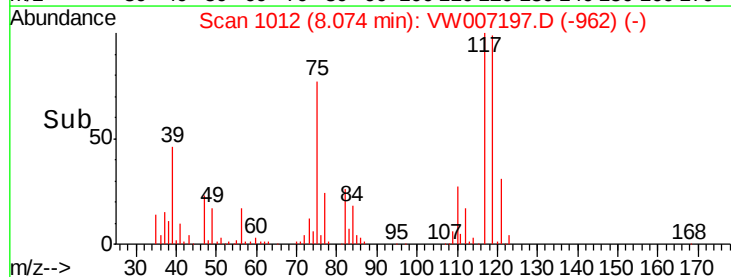
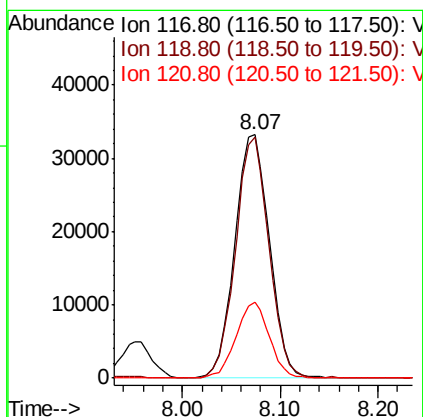
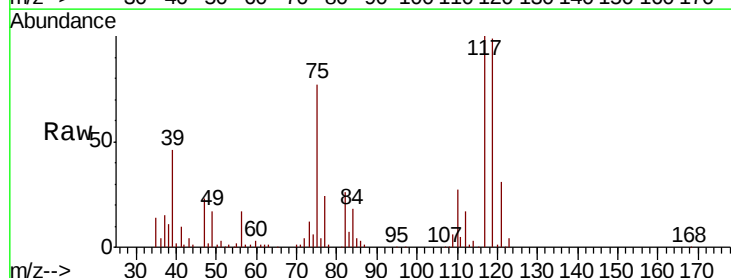
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

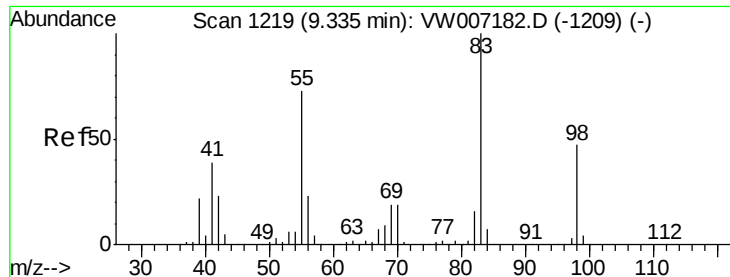
Tot Ion: 43 Resp: 28398  
Ion Ratio Lower Upper  
43 100  
61 16.1 12.1 18.1  
70 11.5 9.1 13.7



#38  
Carbon Tetrachloride  
Concen: 47.951 ug/l  
RT: 8.07 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 117 Resp: 81869  
Ion Ratio Lower Upper  
117 100  
119 98.9 74.1 111.1  
121 31.0 23.9 35.9

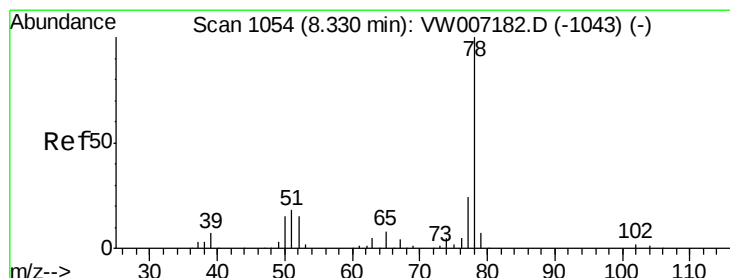
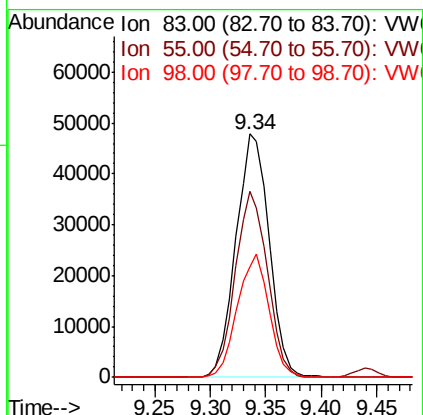
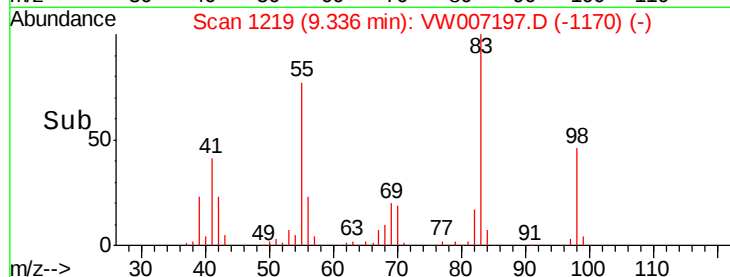
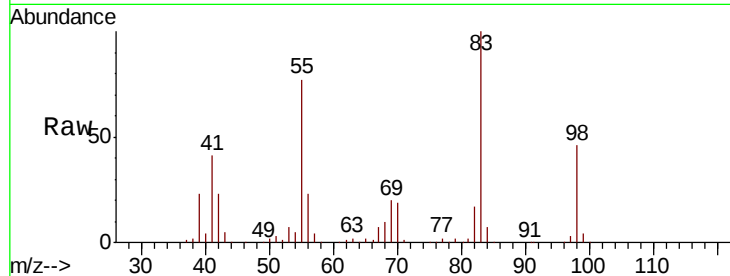




#39  
Methvlcvclohexane  
Concen: 44.345 ug/l  
RT: 9.34 min Scan# 1219  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

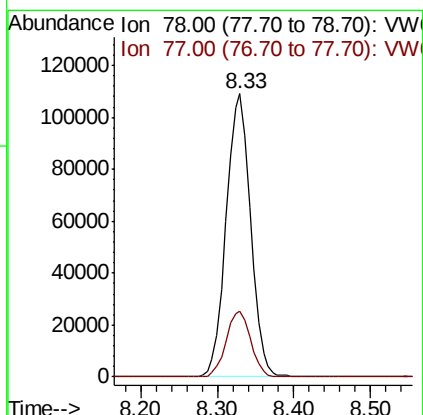
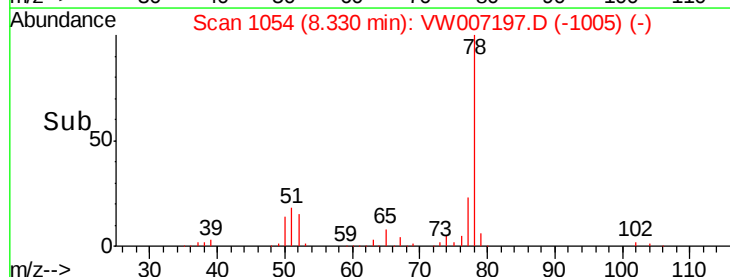
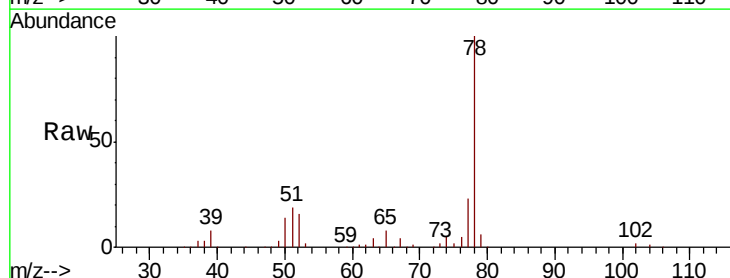
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

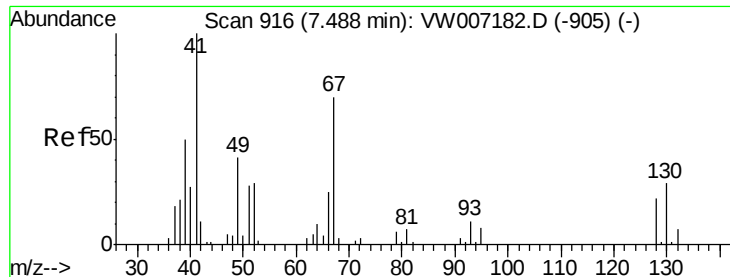
Tot Ion: 83 Resp: 99301  
Ion Ratio Lower Upper  
83 100  
55 76.6 58.1 87.1  
98 45.5 37.3 55.9



#40  
Benzene  
Concen: 52.502 ug/l  
RT: 8.33 min Scan# 1054  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 78 Resp: 240822  
Ion Ratio Lower Upper  
78 100  
77 23.4 18.9 28.3

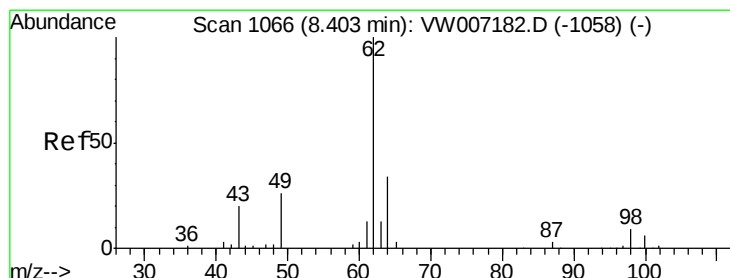
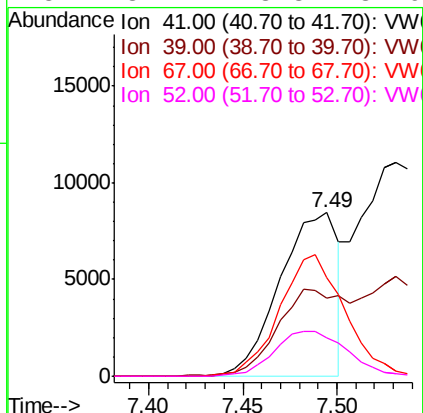
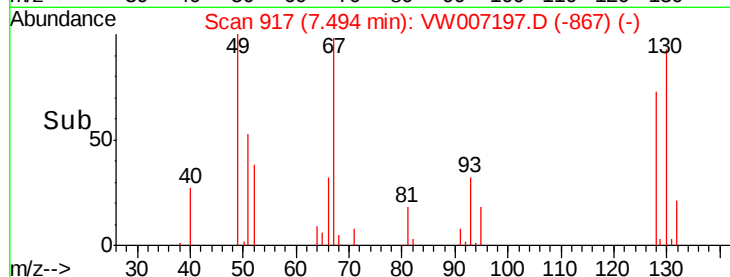
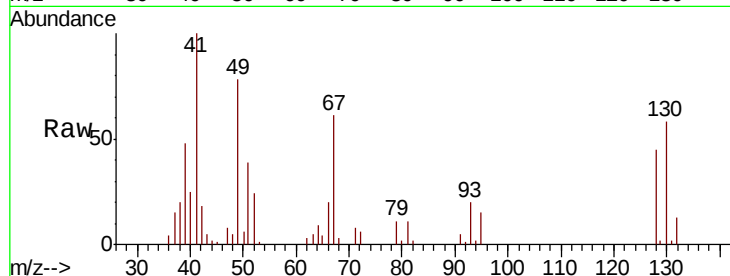




#41  
Methacrylonitrile  
Concen: 50.300 ug/l  
RT: 7.49 min Scan# 917  
Delta R.T. 0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

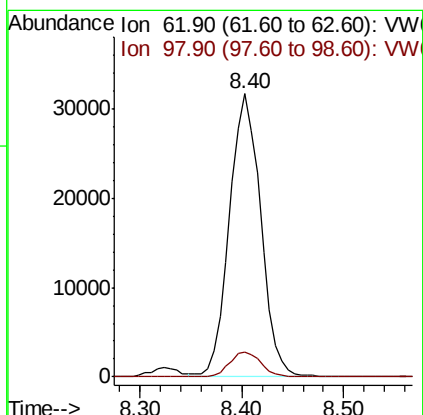
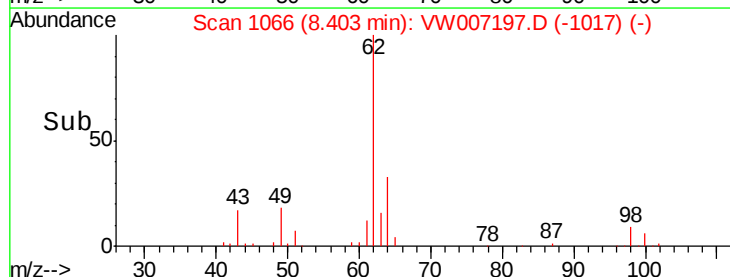
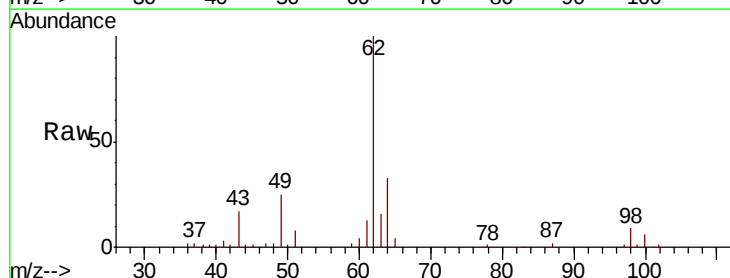
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 18230 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 62.3  | 43.4  | 65.0  |
| 67       | 82.6  | 57.4  | 86.0  |
| 52       | 34.1  | 23.3  | 34.9  |



#42  
1,2-Dichloroethane  
Concen: 52.554 ug/l  
RT: 8.40 min Scan# 1066  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 67371 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.9   | 0.0   | 17.8  |





#43

Isopropyl Acetate

Concen: 51.282 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

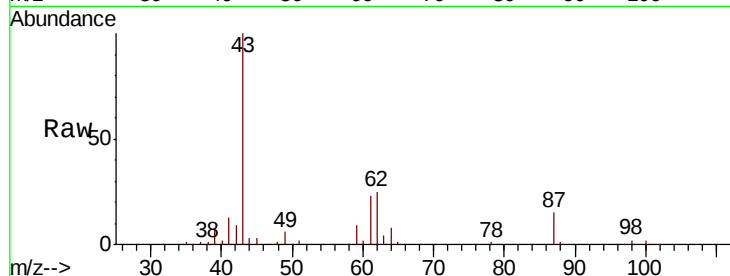
Tot Ion: 43 Resp: 60266

Ion Ratio Lower Upper

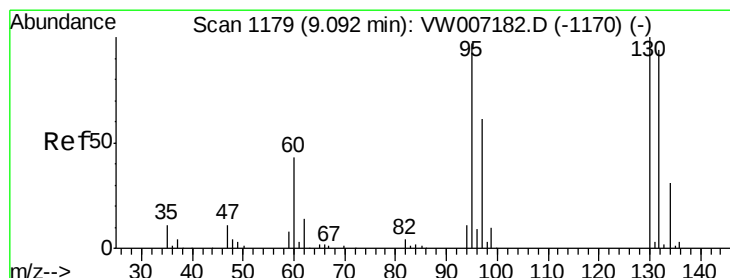
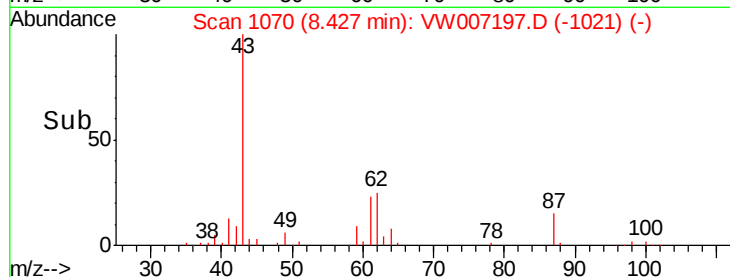
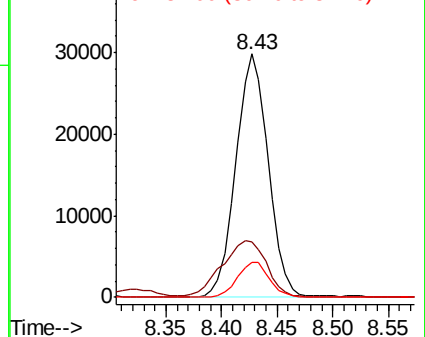
43 100

61 32.4 25.4 38.0

87 14.3 11.4 17.0



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



#44

Trichloroethene

Concen: 50.430 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007197.D

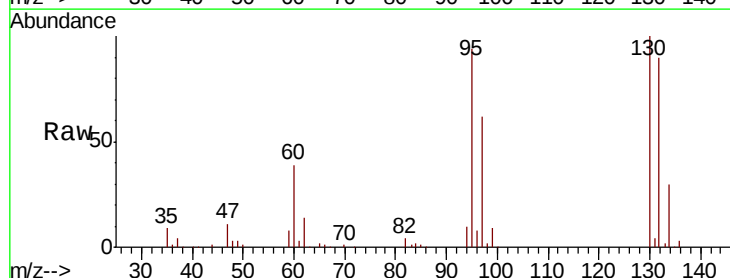
Acq: 04 Dec 2018 19:29

Tgt Ion: 130 Resp: 65021

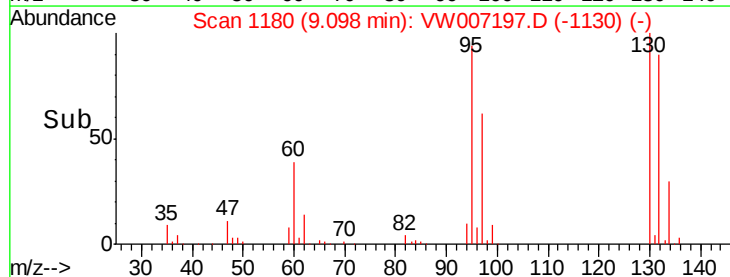
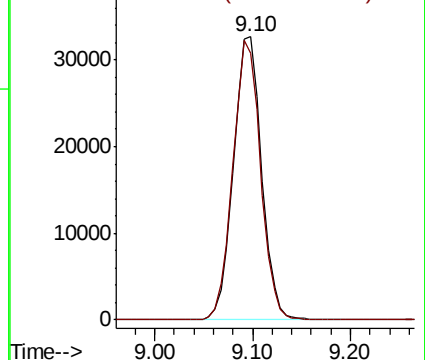
Ion Ratio Lower Upper

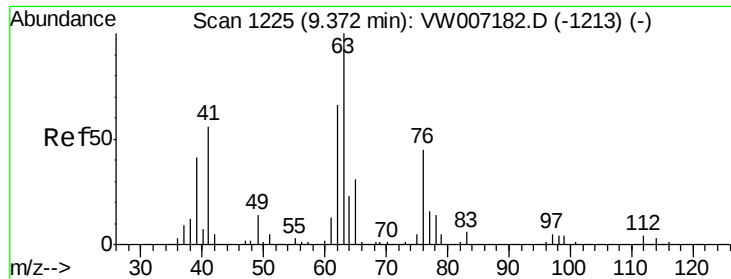
130 100

95 94.1 0.0 194.0



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

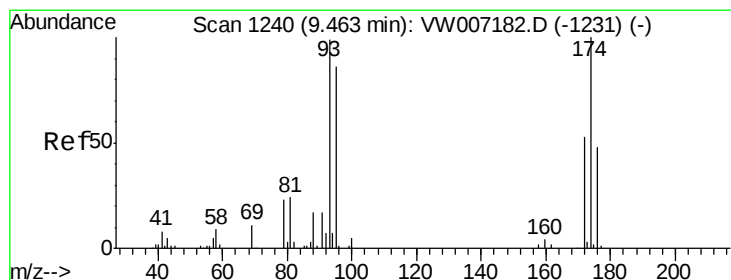
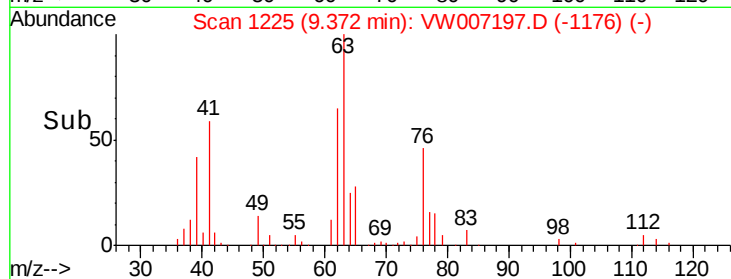
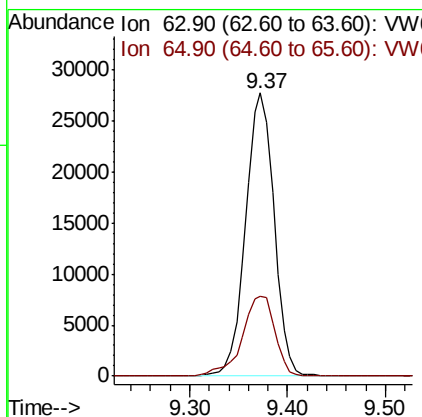
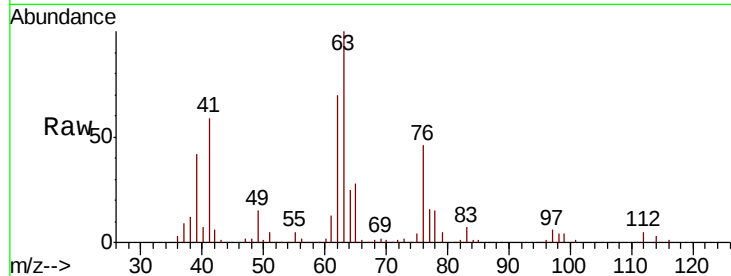




#45  
 1,2-Dichloropropane  
 Concen: 52.687 ug/l  
 RT: 9.37 min Scan# 1225  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

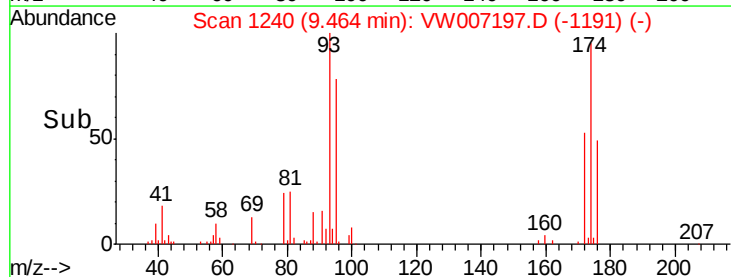
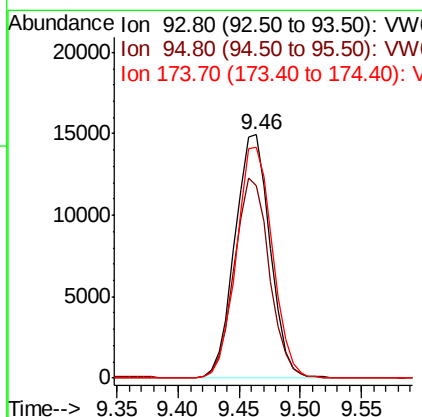
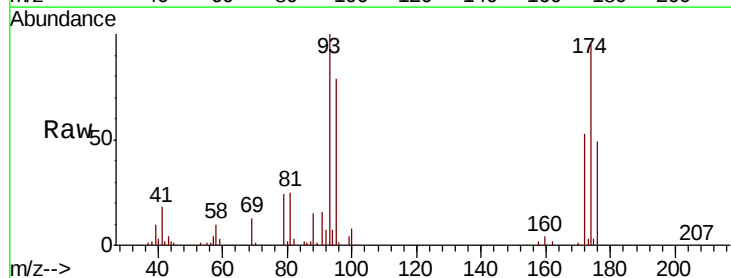
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

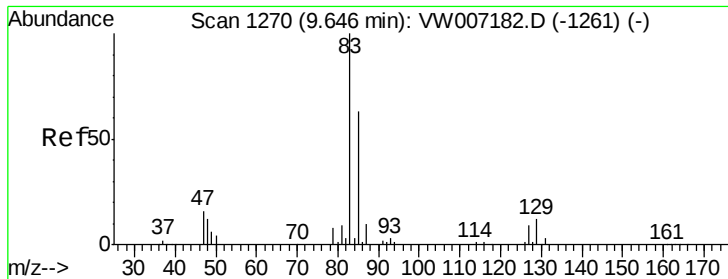
Tot Ion: 63 Resp: 56238  
 Ion Ratio Lower Upper  
 63 100  
 65 28.3 25.0 37.4



#46  
 Dibromomethane  
 Concen: 53.879 ug/l  
 RT: 9.46 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion: 93 Resp: 29884  
 Ion Ratio Lower Upper  
 93 100  
 95 81.6 68.7 103.1  
 174 97.2 82.9 124.3





#47

Bromodichloromethane

Concen: 50.194 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

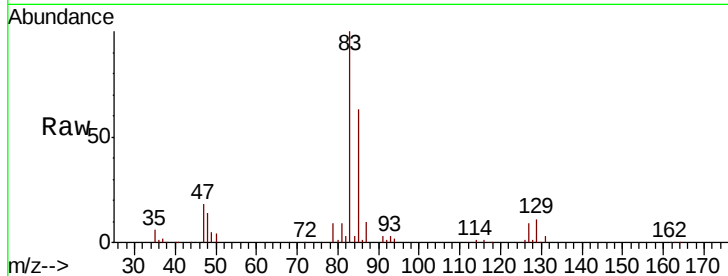
Tot Ion: 83 Resp: 73232

Ion Ratio Lower Upper

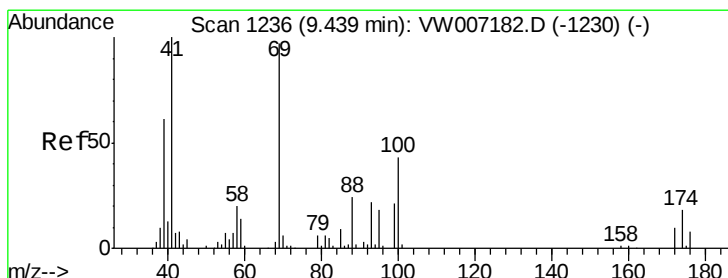
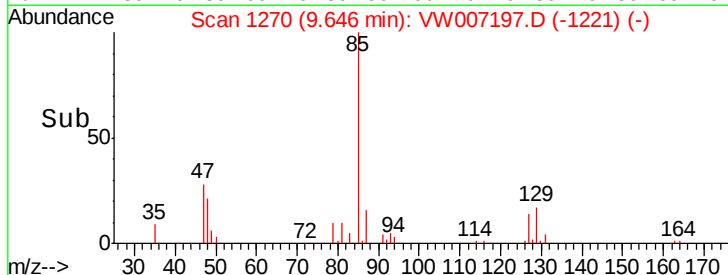
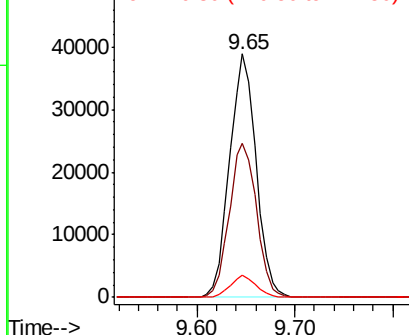
83 100

85 63.1 50.6 76.0

127 9.1 7.3 10.9



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



#48

Methyl methacrylate

Concen: 60.570 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

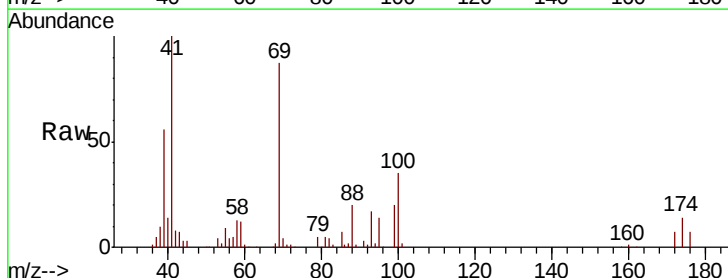
Tgt Ion: 41 Resp: 36943

Ion Ratio Lower Upper

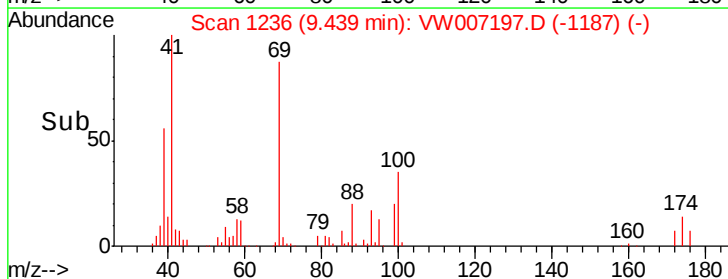
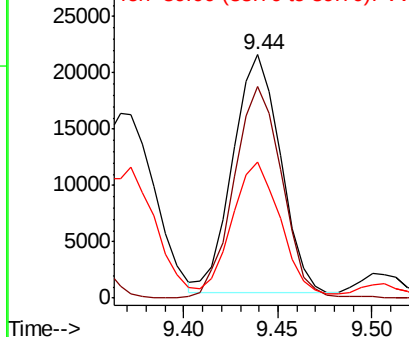
41 100

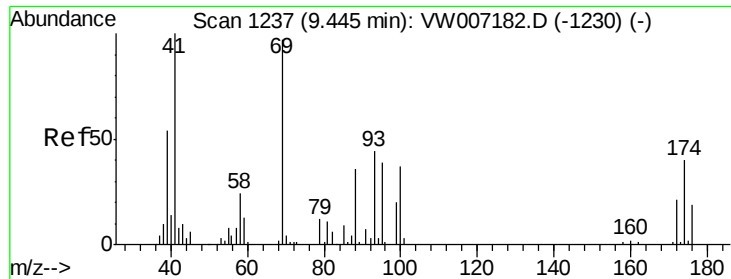
69 90.7 69.6 104.4

39 55.2 42.4 63.6



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

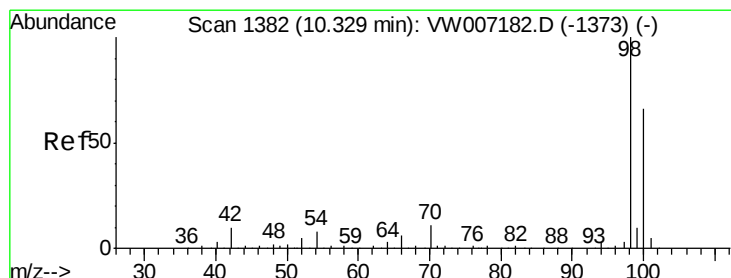
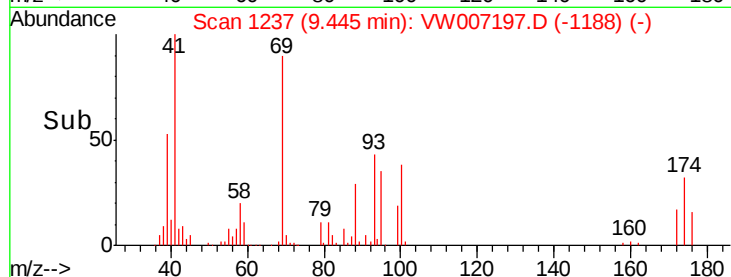
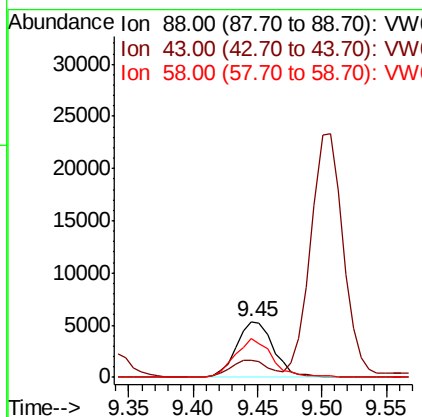
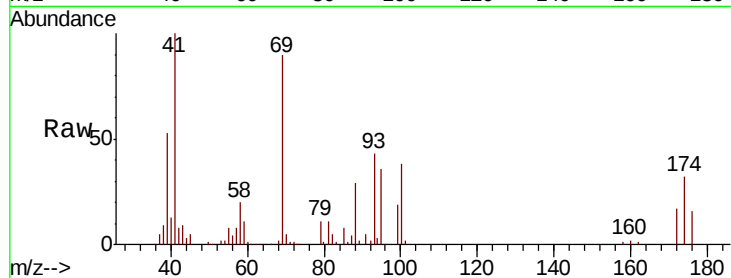




#49  
1,4-Dioxane  
Concen: 1097.194 ug/l  
RT: 9.45 min Scan# 1237  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

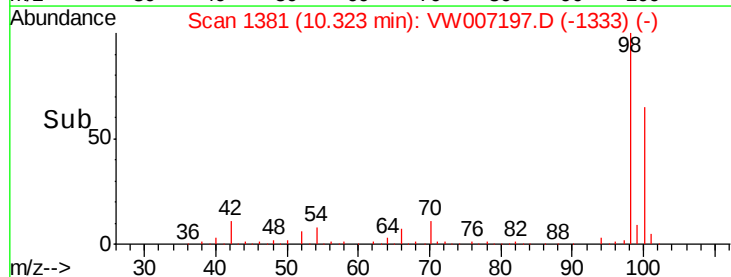
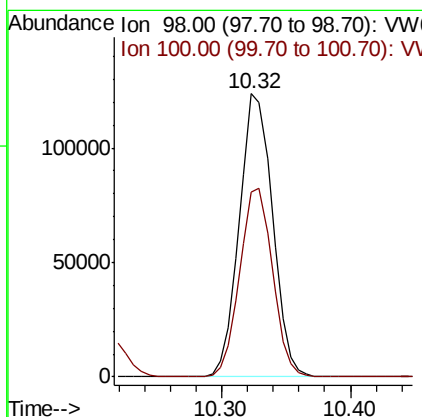
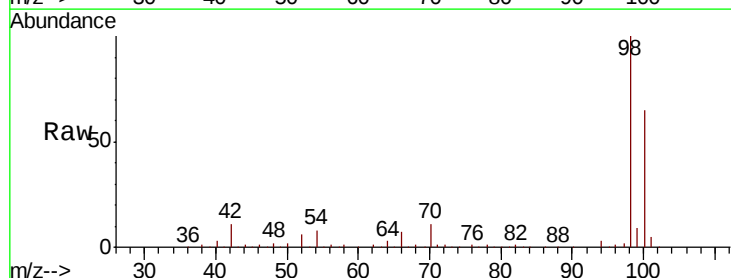
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

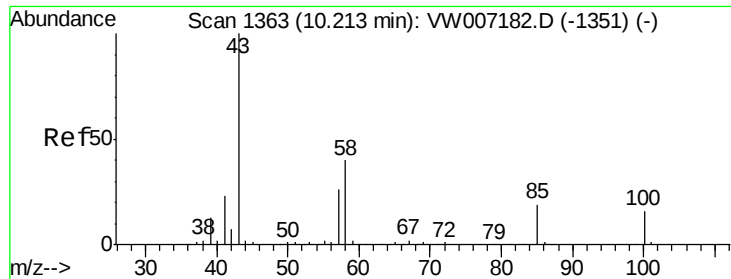
Tot Ion: 88 Resp: 10631  
Ion Ratio Lower Upper  
88 100  
43 32.2 25.8 38.8  
58 70.5 58.9 88.3



#50  
Toluene-d8  
Concen: 51.017 ug/l  
RT: 10.32 min Scan# 1381  
Delta R.T. -0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 98 Resp: 221217  
Ion Ratio Lower Upper  
98 100  
100 65.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 301.703 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

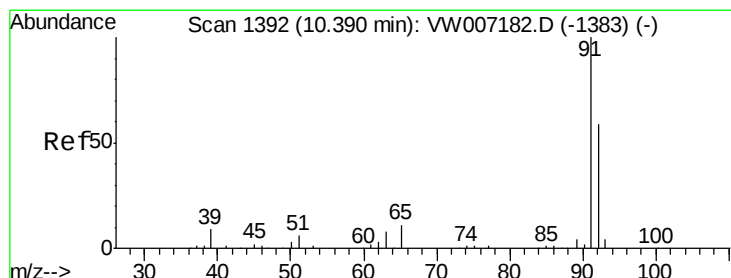
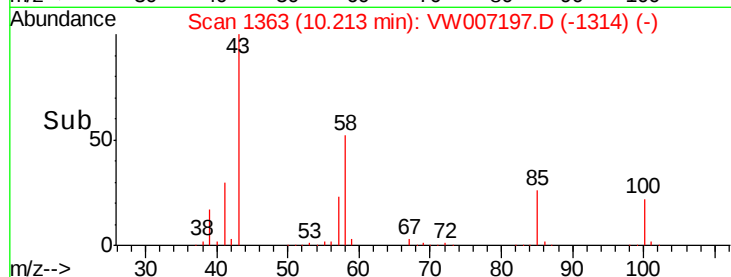
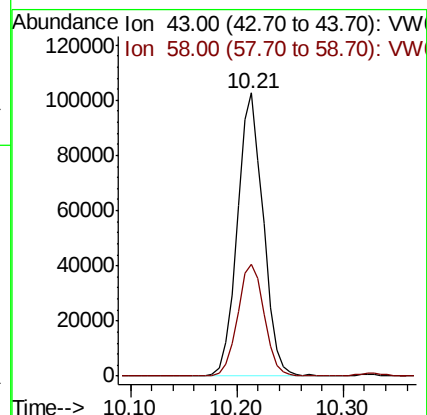
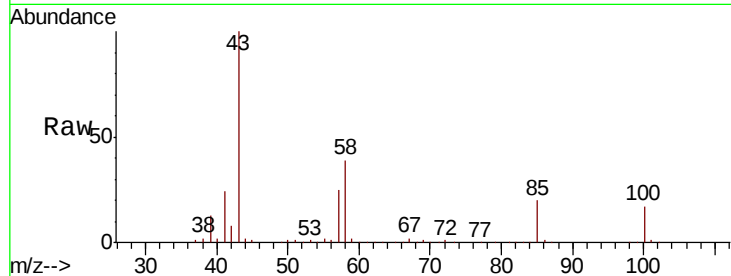
HLSP-SB-5B-(8.5)MS

Tot Ion: 43 Resp: 174726

Ion Ratio Lower Upper

43 100

58 40.5 32.3 48.5



#52

Toluene

Concen: 60.439 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007197.D

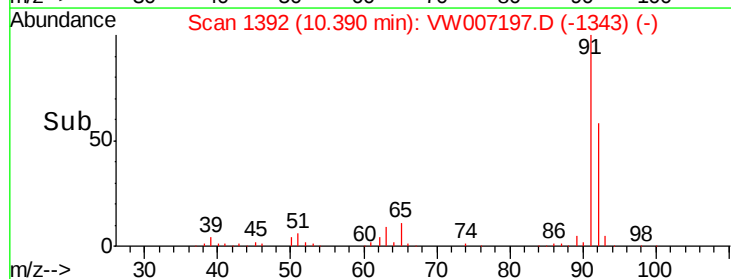
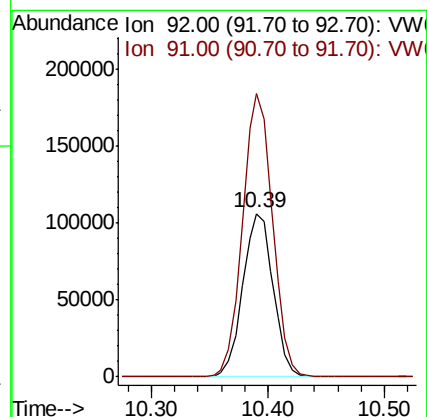
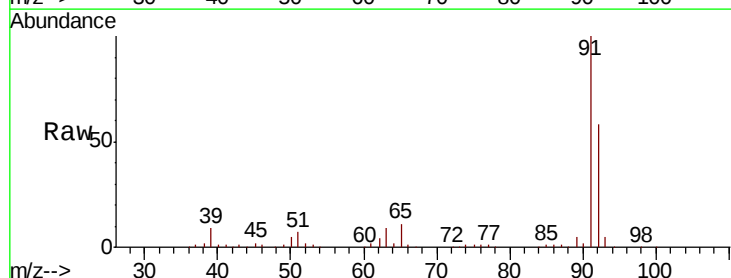
Acq: 04 Dec 2018 19:29

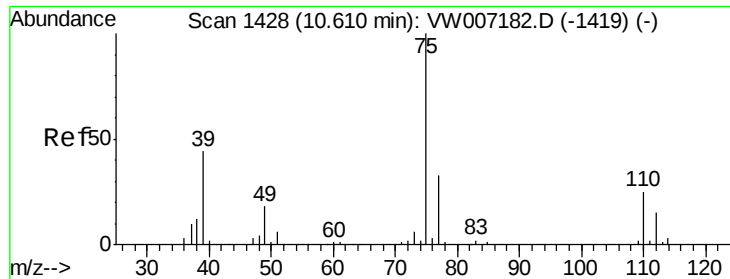
Tgt Ion: 92 Resp: 192844

Ion Ratio Lower Upper

92 100

91 171.8 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 52.989 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

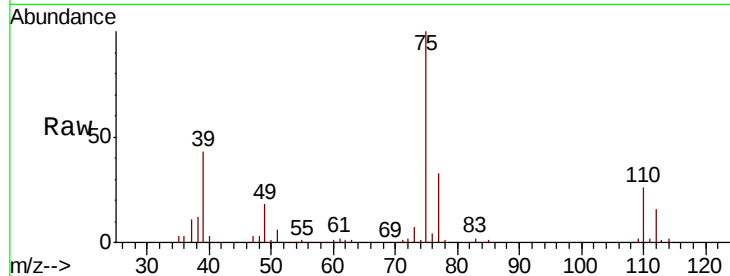
HLSP-SB-5B-(8.5)MS

Tot Ion: 75 Resp: 77727

Ion Ratio Lower Upper

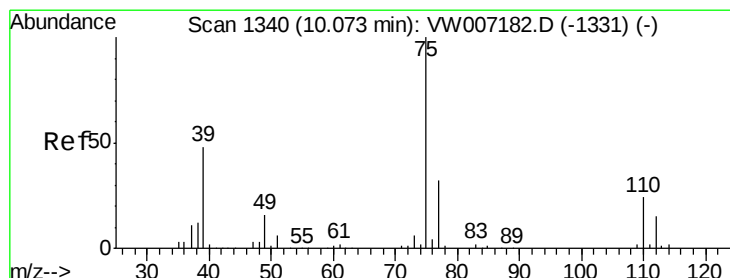
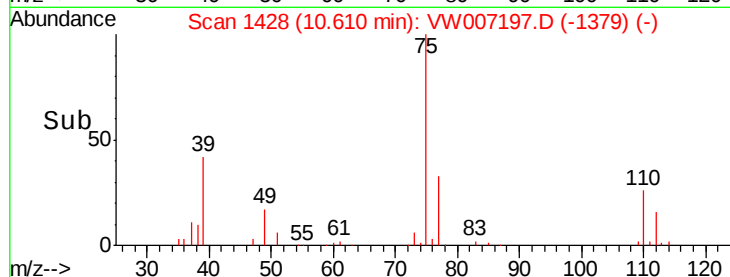
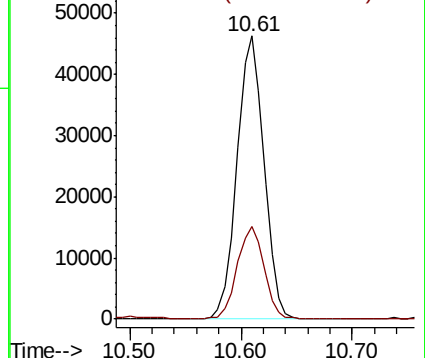
75 100

77 32.8 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 52.652 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

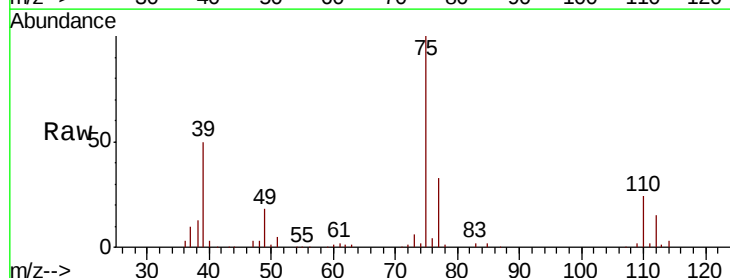
Tgt Ion: 75 Resp: 90510

Ion Ratio Lower Upper

75 100

77 33.1 26.0 39.0

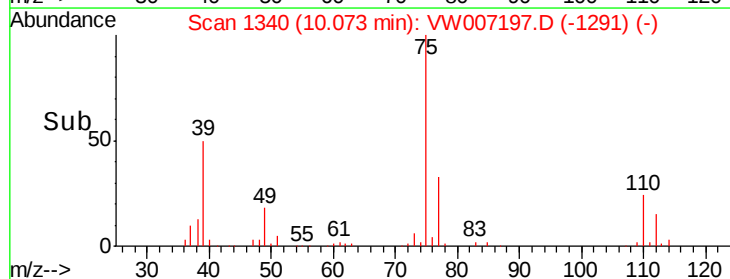
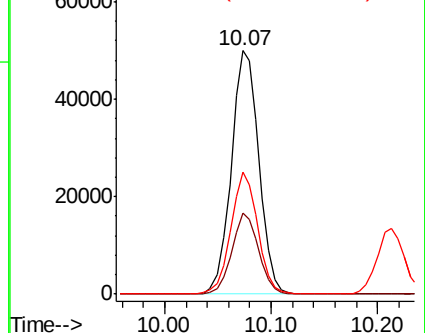
39 50.0 38.0 57.0

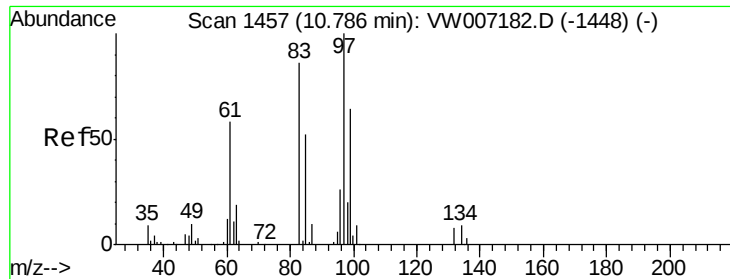


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

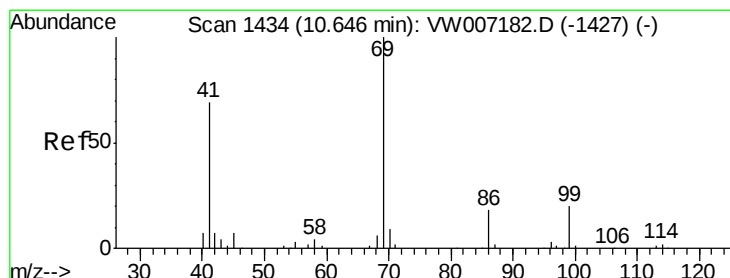
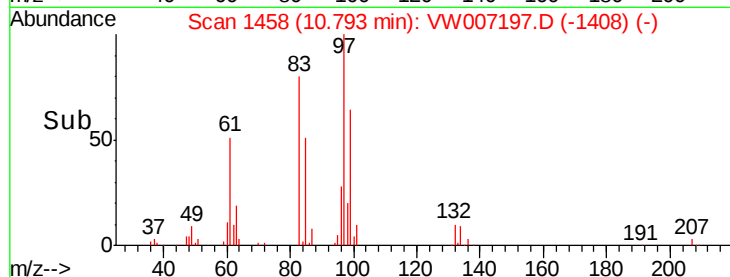
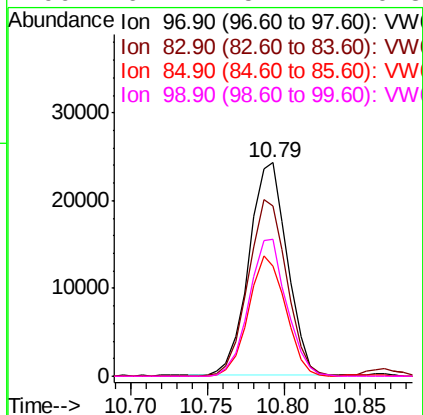
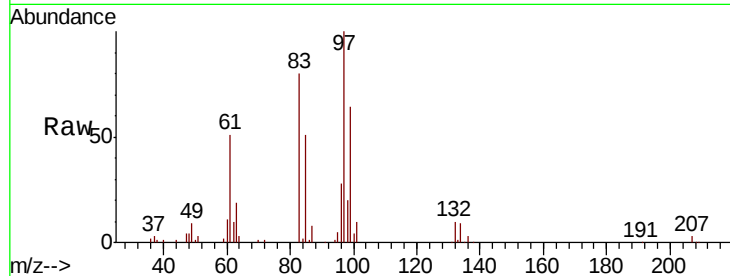




#55  
 1,1,2-Trichloroethane  
 Concen: 53.467 ug/l  
 RT: 10.79 min Scan# 1458  
 Delta R.T. 0.01 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

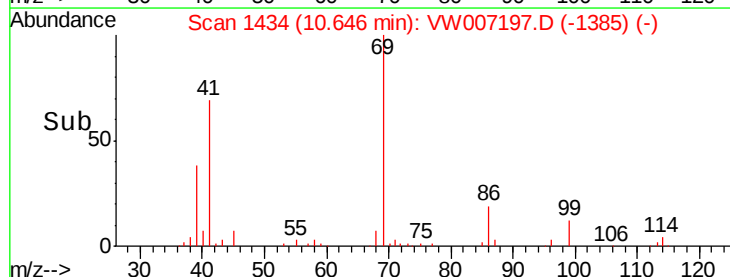
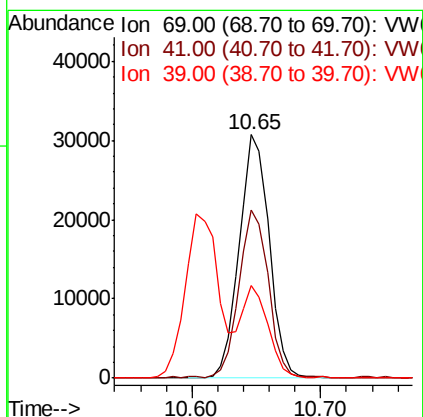
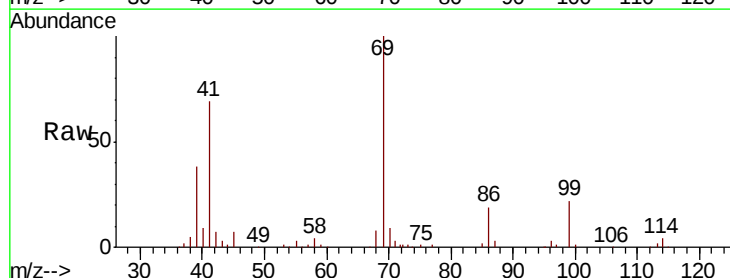
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

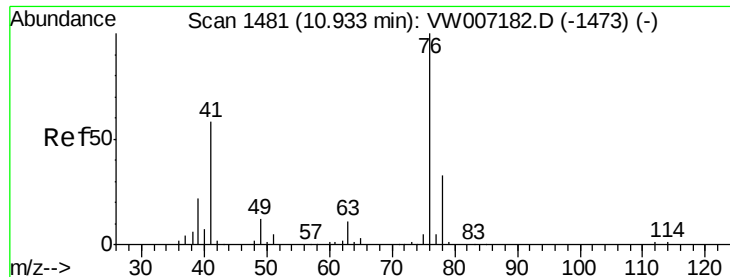
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 42183 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.1  | 68.6  | 102.8 |
| 85       | 51.6  | 41.4  | 62.2  |
| 99       | 64.1  | 51.2  | 76.8  |



#56  
 Ethyl methacrylate  
 Concen: 48.105 ug/l  
 RT: 10.65 min Scan# 1434  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 49507 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 67.2  | 51.8  | 77.6  |
| 39       | 36.5  | 28.7  | 43.1  |

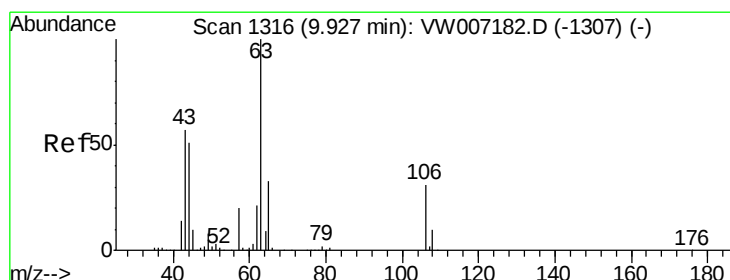
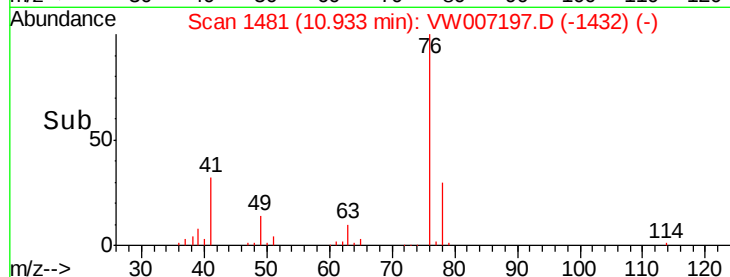
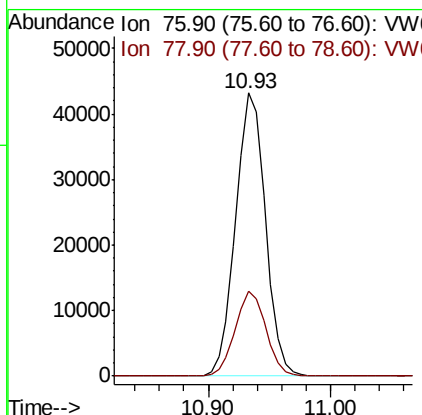
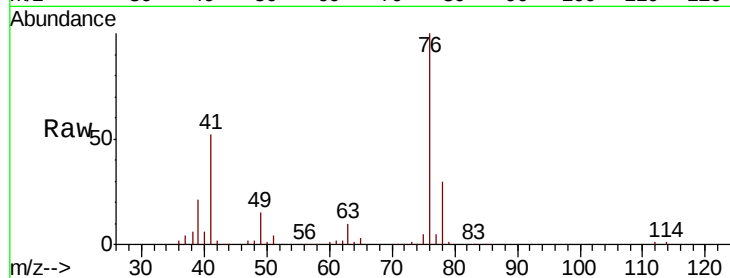




#57  
 1,3-Dichloropropane  
 Concen: 54.717 ug/l  
 RT: 10.93 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

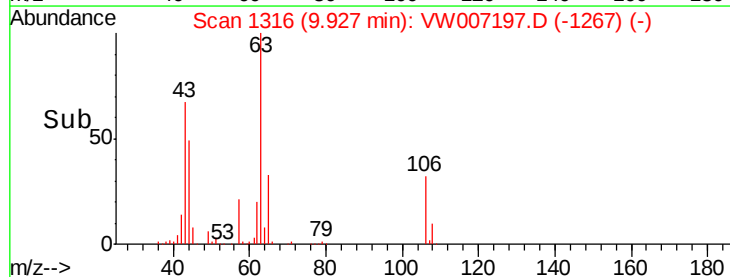
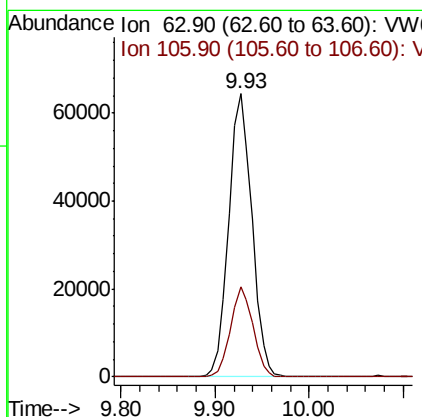
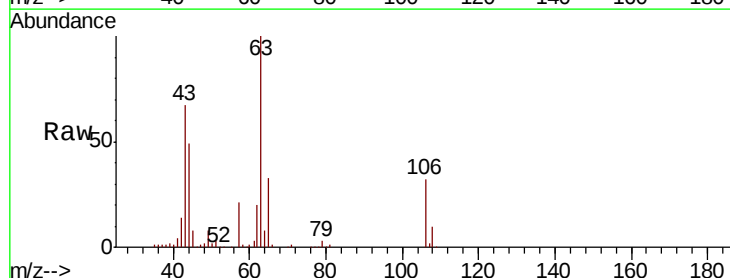
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

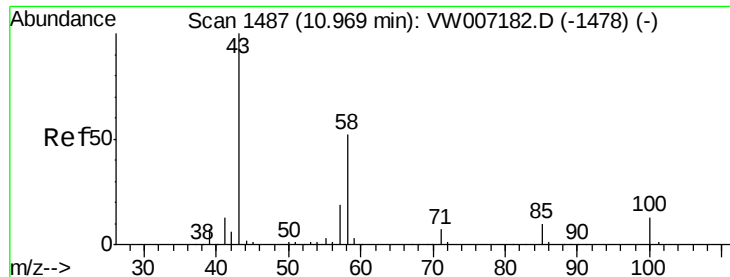
Tot Ion: 76 Resp: 72883  
 Ion Ratio Lower Upper  
 76 100  
 78 30.8 26.6 40.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 266.723 ug/l  
 RT: 9.93 min Scan# 1316  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion: 63 Resp: 110255  
 Ion Ratio Lower Upper  
 63 100  
 106 30.8 24.1 36.1

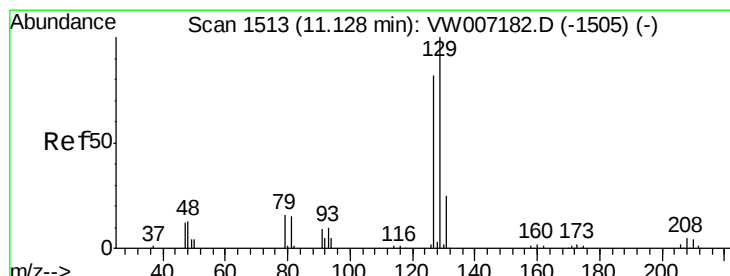
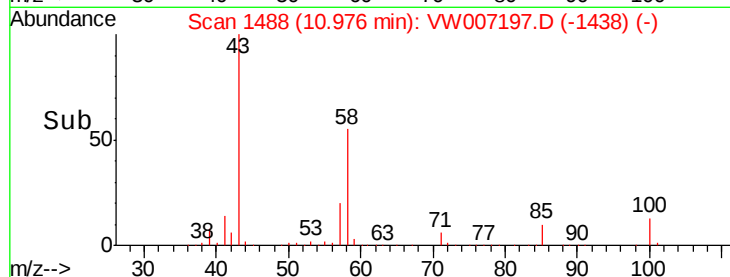
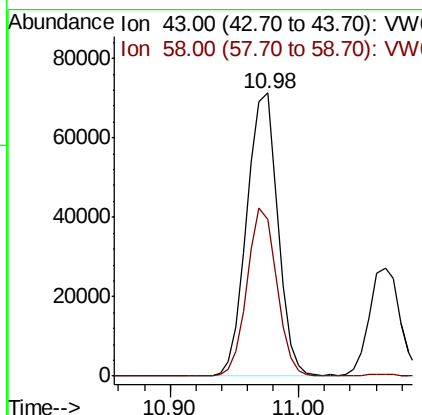
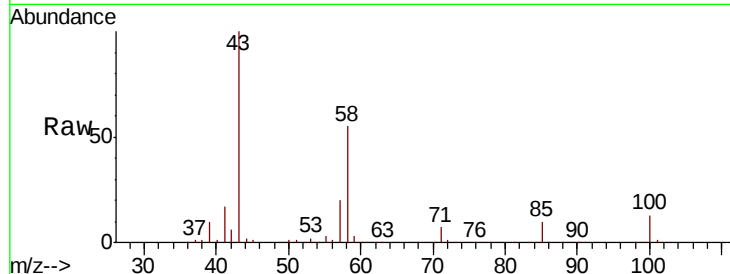




#59  
2-Hexanone  
Concen: 283.189 ug/l  
RT: 10.98 min Scan# 1488  
Delta R.T. 0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

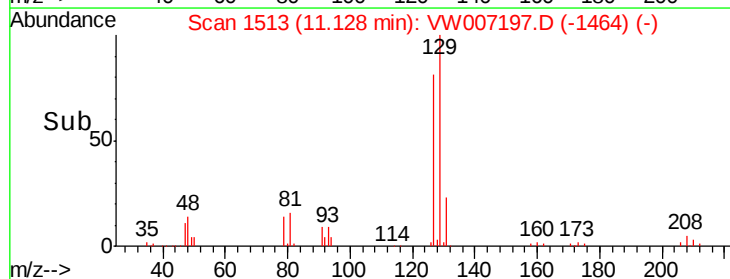
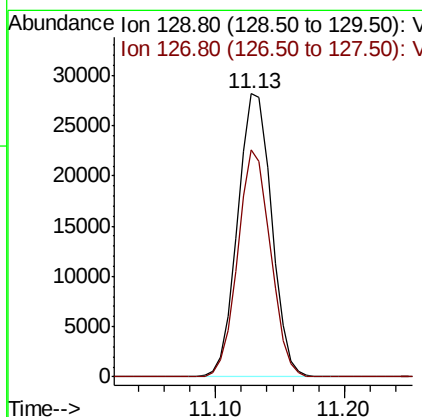
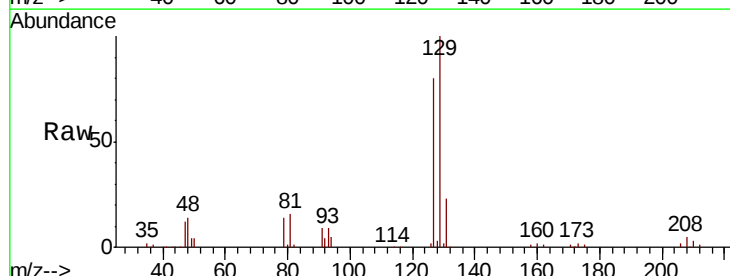
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

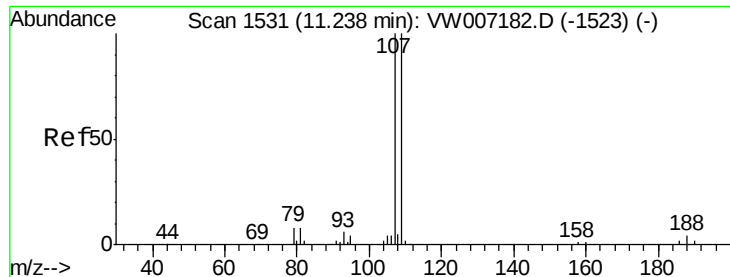
Tot Ion: 43 Resp: 118889  
Ion Ratio Lower Upper  
43 100  
58 56.6 28.1 84.4



#60  
Dibromochloromethane  
Concen: 53.083 ug/l  
RT: 11.13 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 129 Resp: 51473  
Ion Ratio Lower Upper  
129 100  
127 77.1 39.8 119.4

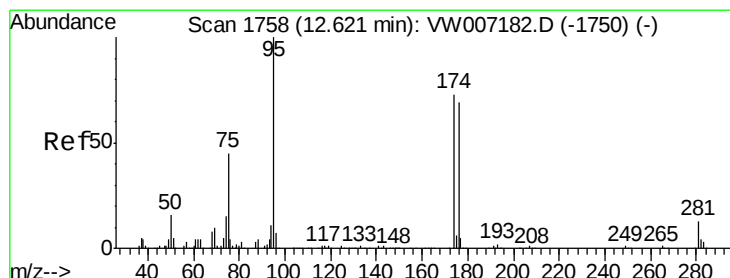
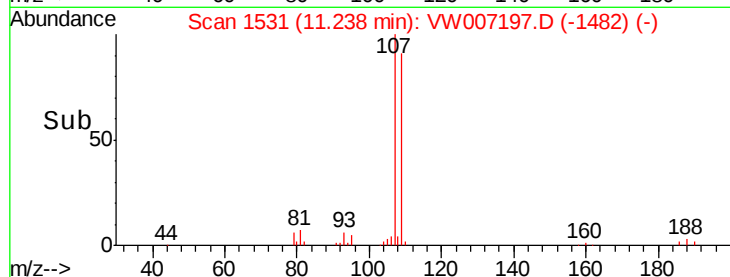
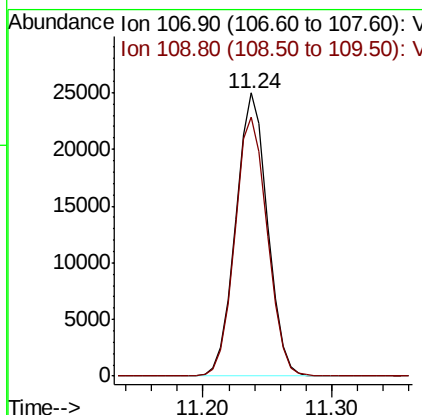
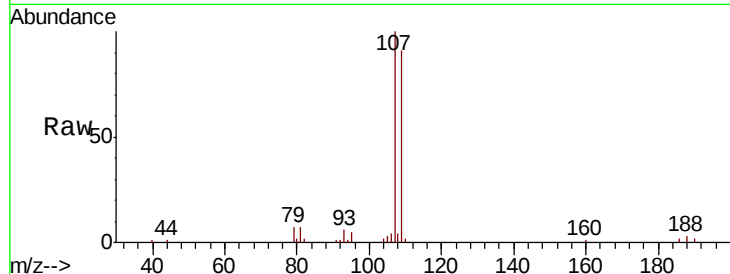




#61  
 1,2-Dibromoethane  
 Concen: 56.223 ug/l  
 RT: 11.24 min Scan# 1531  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

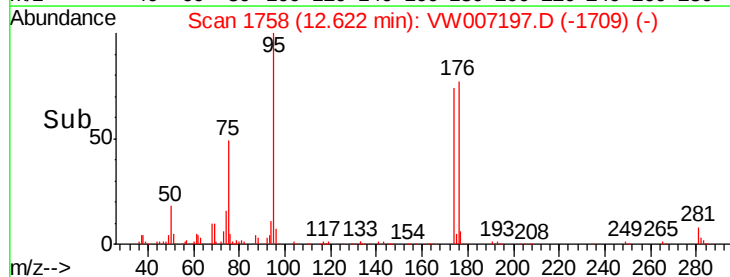
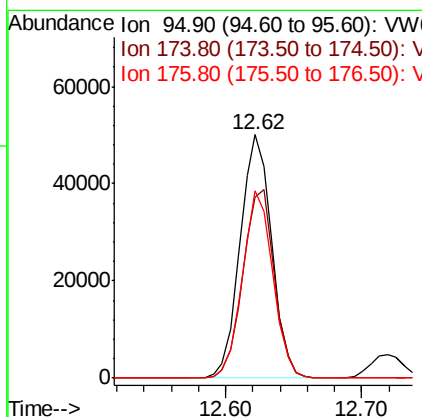
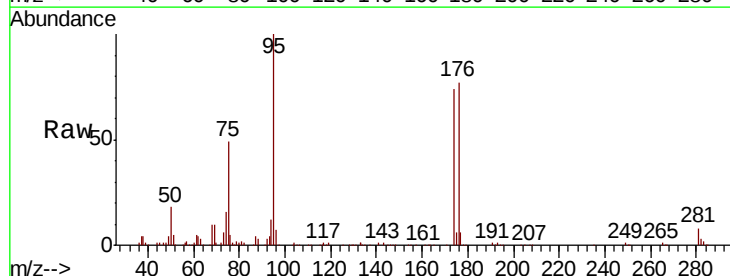
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

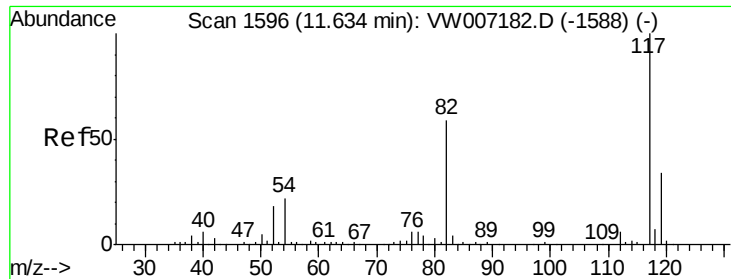
Tot Ion: 107 Resp: 42545  
 Ion Ratio Lower Upper  
 107 100  
 109 93.4 77.3 115.9



#62  
 4-Bromofluorobenzene  
 Concen: 49.585 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion: 95 Resp: 81154  
 Ion Ratio Lower Upper  
 95 100  
 174 77.1 0.0 148.0  
 176 74.1 0.0 139.4

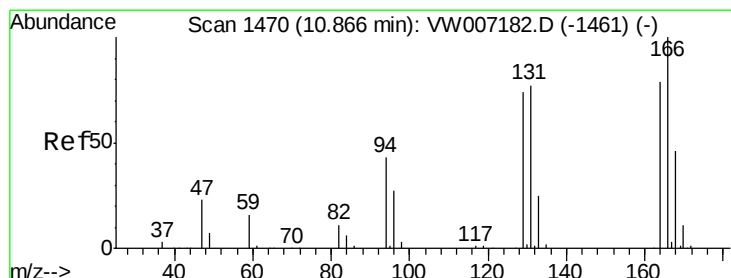
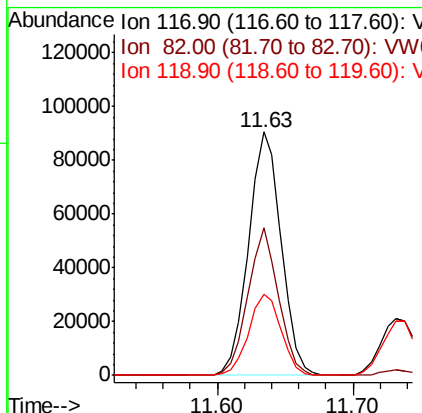
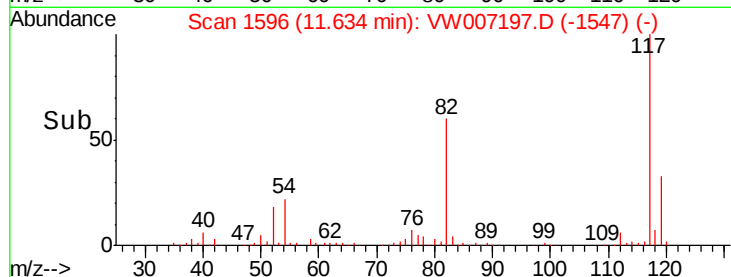
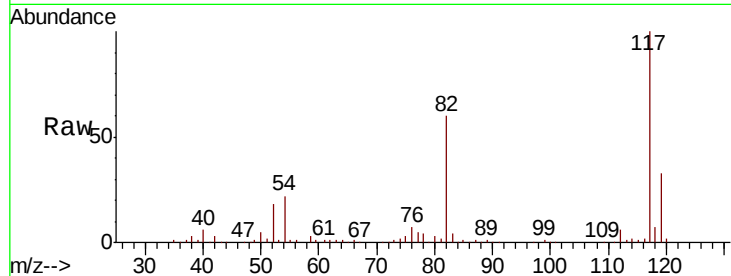




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

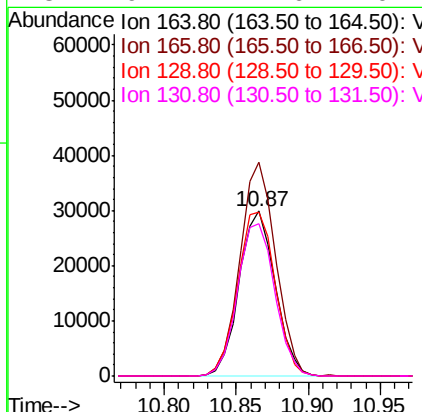
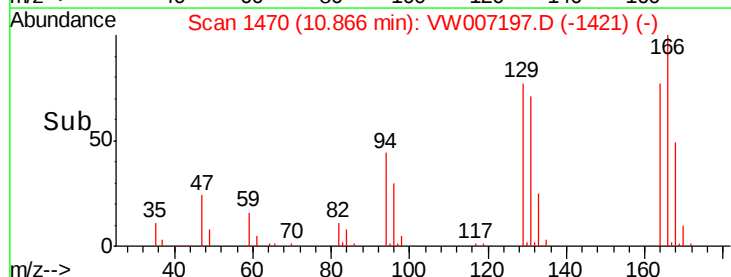
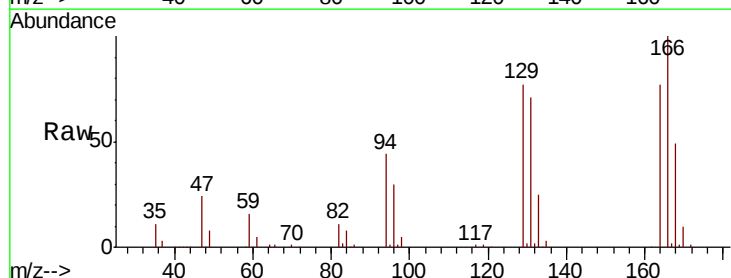
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

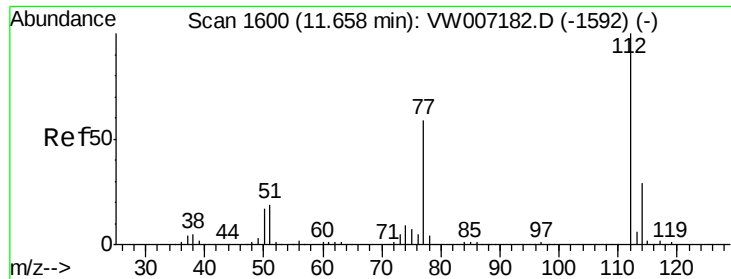
Tot Ion:117 Resp: 152128  
Ion Ratio Lower Upper  
117 100  
82 60.5 47.4 71.2  
119 33.2 26.8 40.2



#64  
Tetrachloroethene  
Concen: 46.662 ug/l  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion:164 Resp: 51863  
Ion Ratio Lower Upper  
164 100  
166 129.7 101.0 151.4  
129 99.4 74.6 111.8  
131 92.2 77.6 116.4

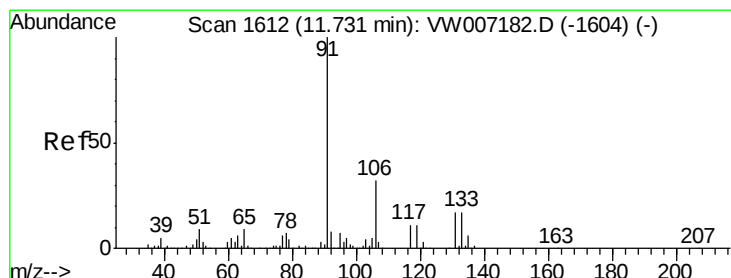
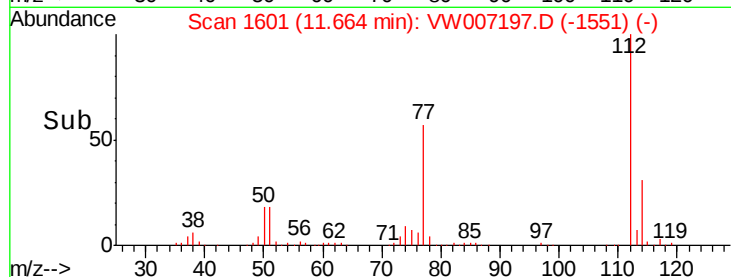
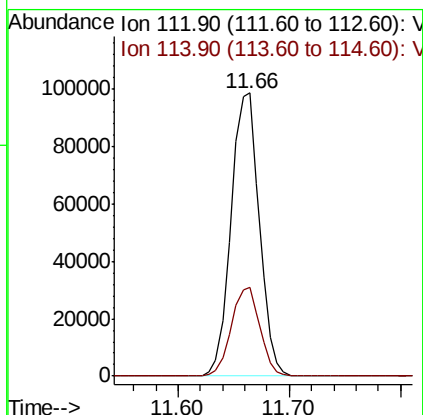
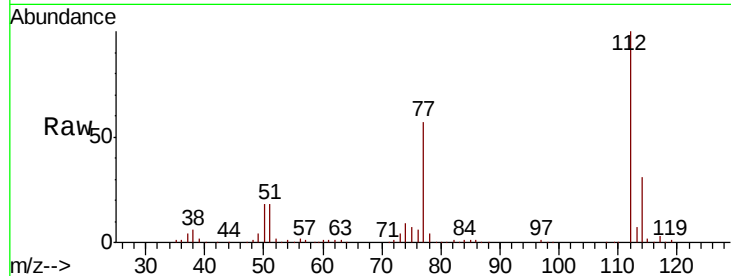




#65  
Chlorobenzene  
Concen: 50.958 ug/l  
RT: 11.66 min Scan# 1601  
Delta R.T. 0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

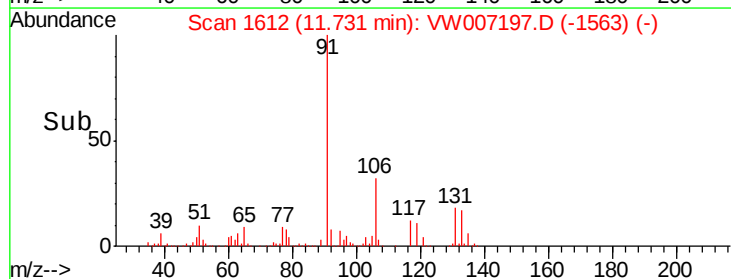
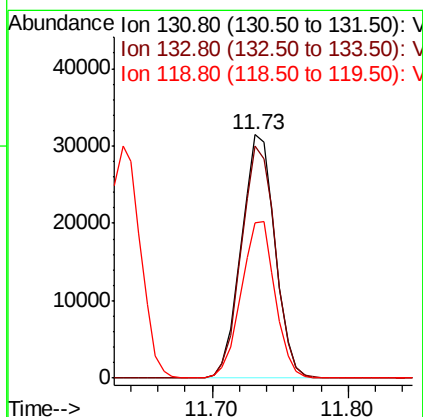
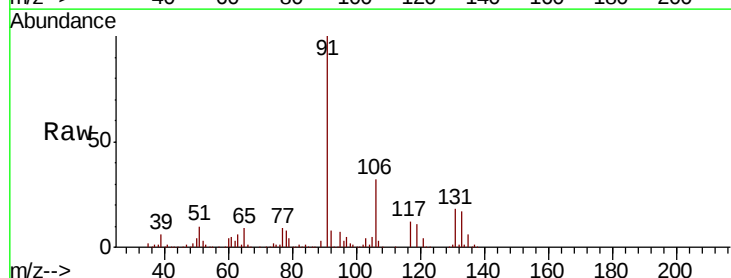
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

Tot Ion:112 Resp: 173134  
Ion Ratio Lower Upper  
112 100  
114 31.4 23.0 34.4



#66  
1,1,1,2-Tetrachloroethane  
Concen: 51.919 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion:131 Resp: 54478  
Ion Ratio Lower Upper  
131 100  
133 96.3 48.0 144.2  
119 64.5 32.8 98.4

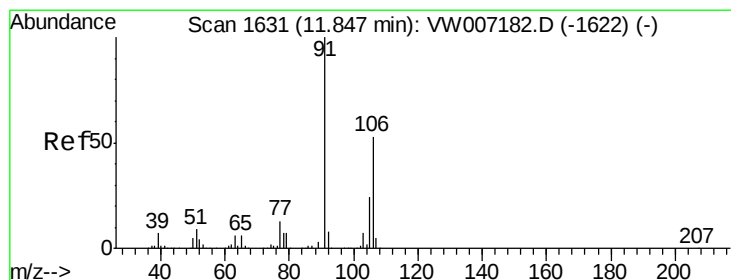
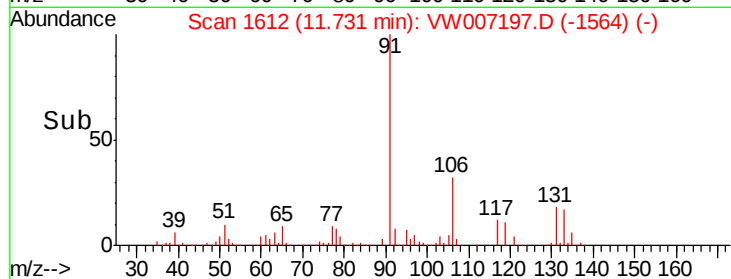
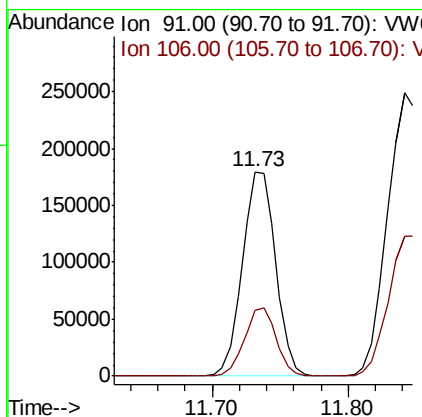
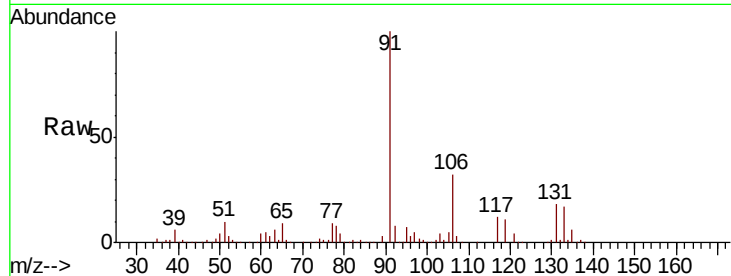




#67  
Ethyl Benzene  
Concen: 49.491 ug/l  
RT: 11.73 min Scan# 1612  
Delta R.T. -0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

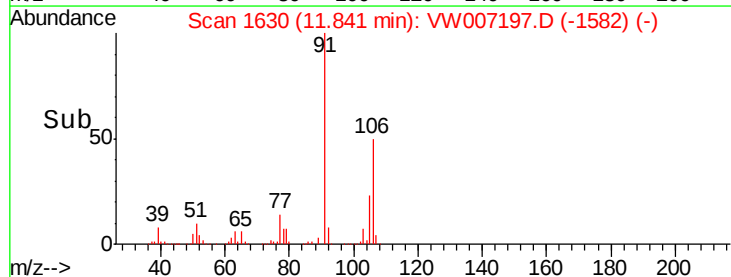
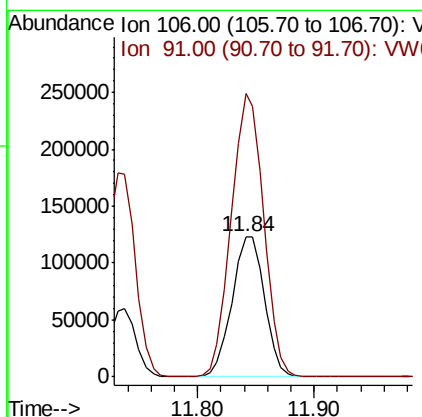
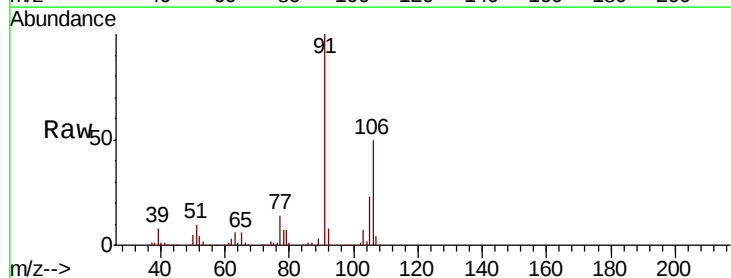
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

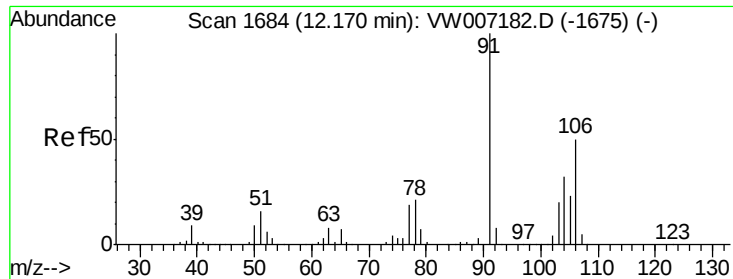
Tot Ion: 91 Resp: 306470  
Ion Ratio Lower Upper  
91 100  
106 32.0 26.0 39.0



#68  
m/p-Xylenes  
Concen: 98.589 ug/l  
RT: 11.84 min Scan# 1630  
Delta R.T. -0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 106 Resp: 239503  
Ion Ratio Lower Upper  
106 100  
91 201.7 160.2 240.4

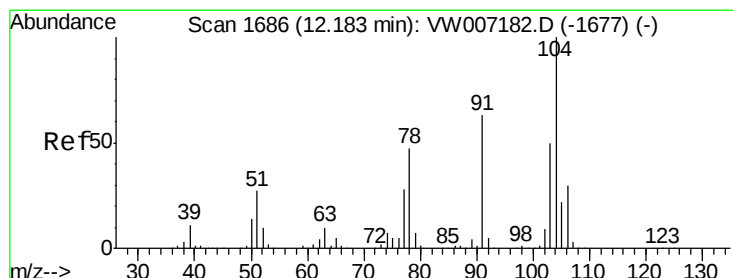
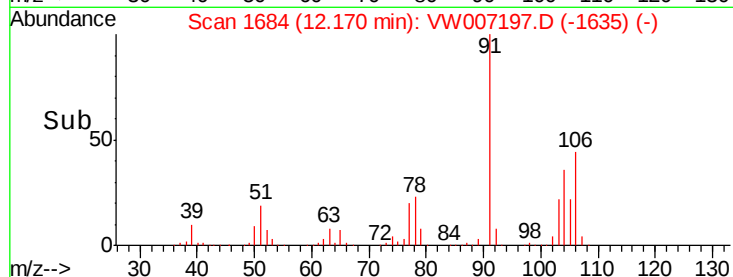
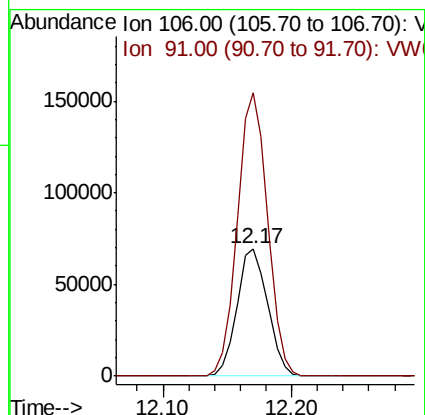
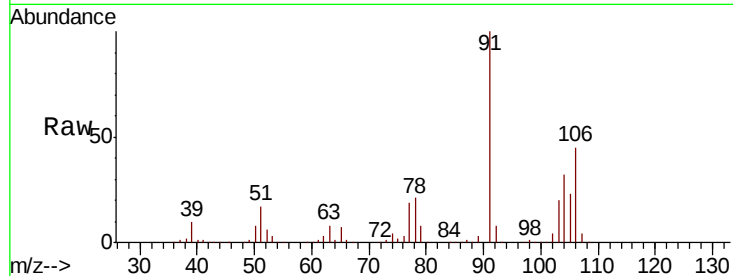




#69  
o-Xylene  
Concen: 50.613 ug/l  
RT: 12.17 min Scan# 1684  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

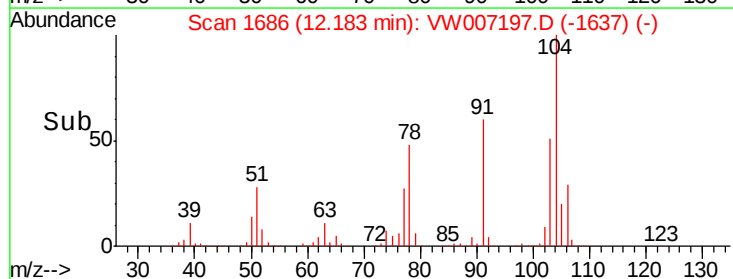
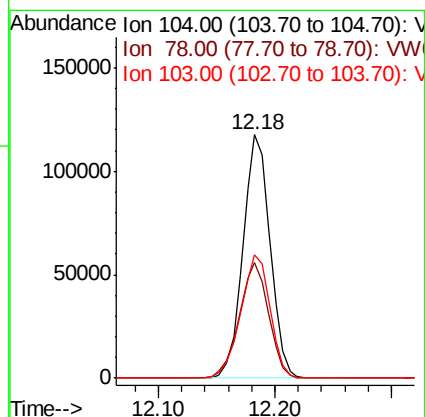
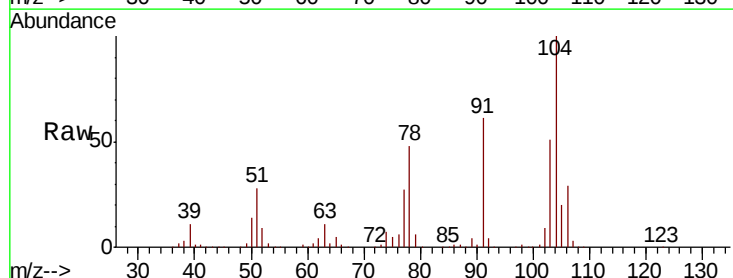
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

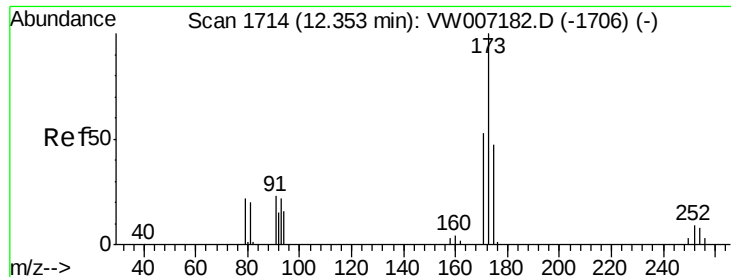
Tot Ion:106 Resp: 114877  
Ion Ratio Lower Upper  
106 100  
91 218.0 104.9 314.7



#70  
Styrene  
Concen: 51.474 ug/l  
RT: 12.18 min Scan# 1686  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion:104 Resp: 191246  
Ion Ratio Lower Upper  
104 100  
78 51.4 40.6 60.8  
103 54.9 43.0 64.4





#71

Bromoform

Concen: 55.196 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

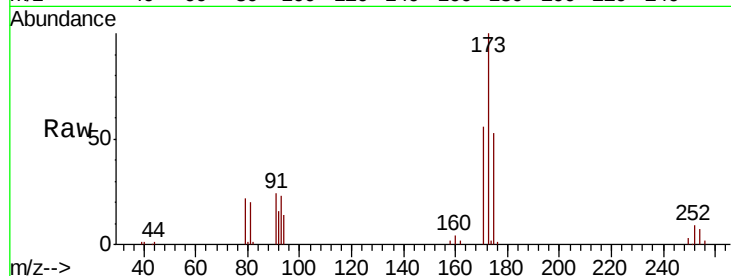
Tot Ion:173 Resp: 28993

Ion Ratio Lower Upper

173 100

175 50.4 24.0 72.0

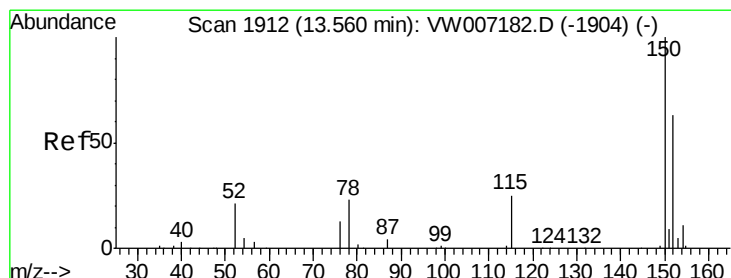
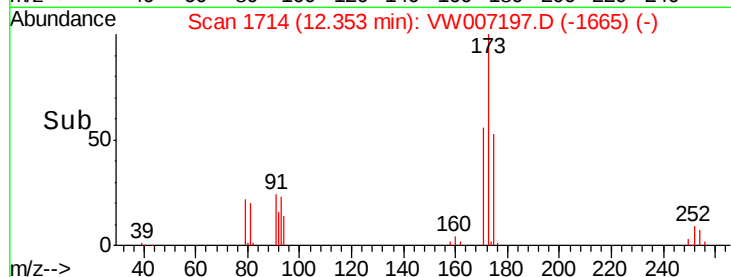
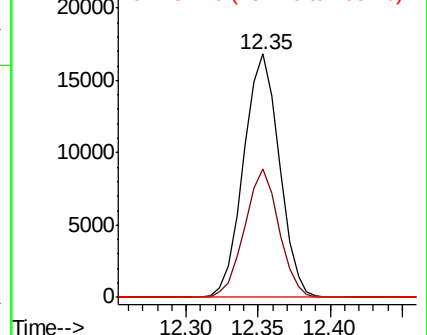
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

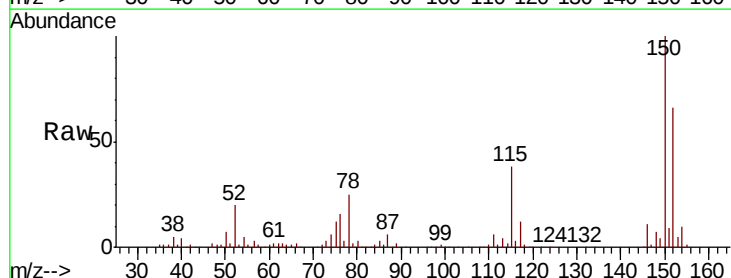
Tgt Ion:152 Resp: 77178

Ion Ratio Lower Upper

152 100

115 58.9 31.3 93.8

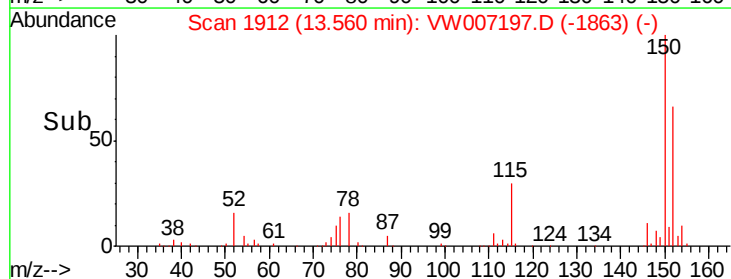
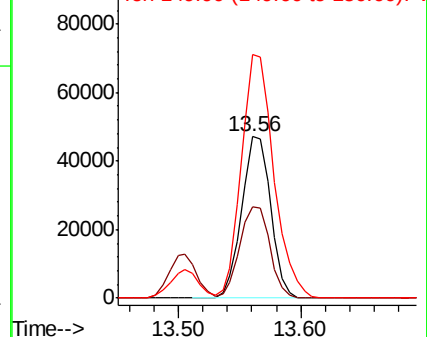
150 168.6 0.0 358.0

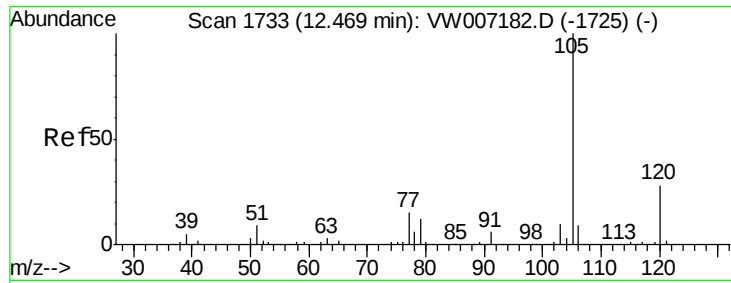


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.941 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

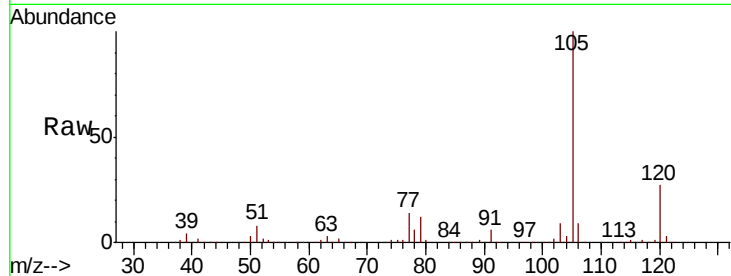
HLSP-SB-5B-(8.5)MS

Tot Ion:105 Resp: 313484

Ion Ratio Lower Upper

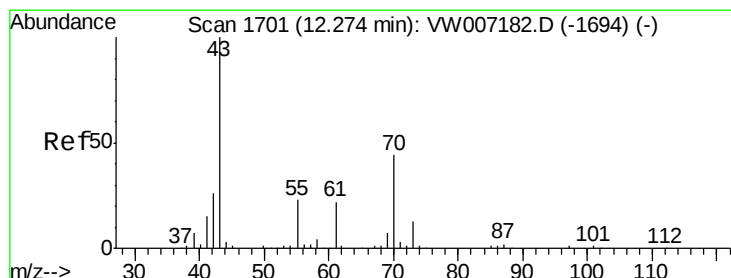
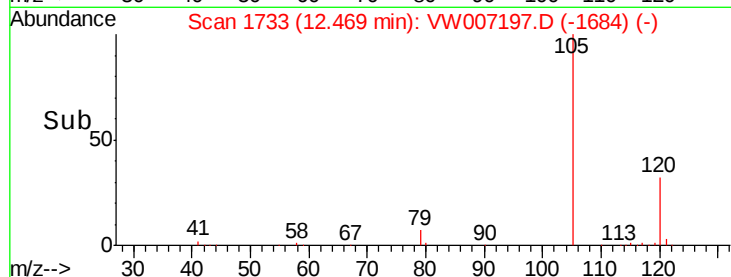
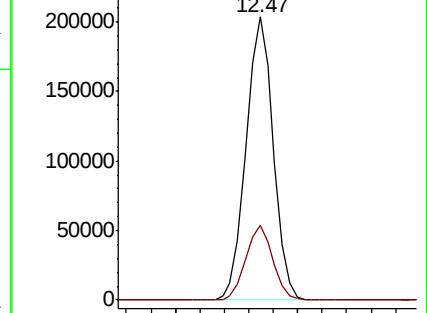
105 100

120 26.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.741 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Tgt Ion: 43 Resp: 48681

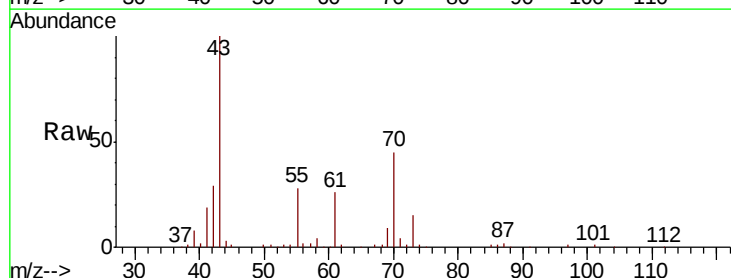
Ion Ratio Lower Upper

43 100

70 42.8 34.0 51.0

55 26.0 19.0 28.6

61 25.0 19.7 29.5

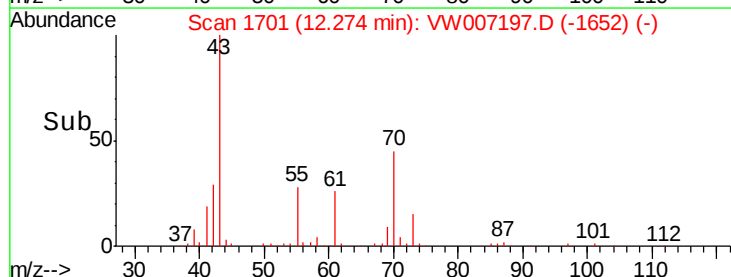
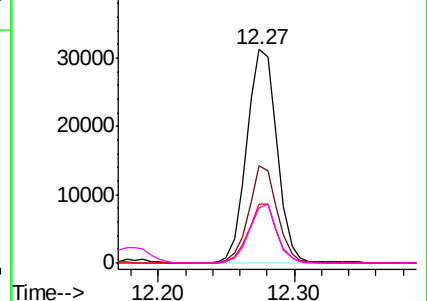


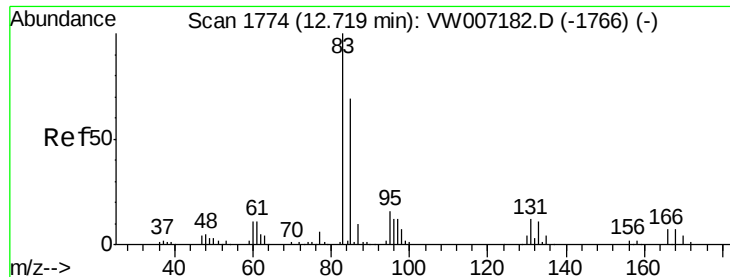
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 57.166 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

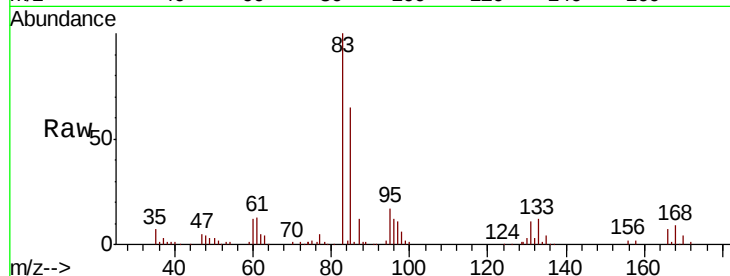
Tot Ion: 83 Resp: 46603

Ion Ratio Lower Upper

83 100

131 12.1 6.0 18.1

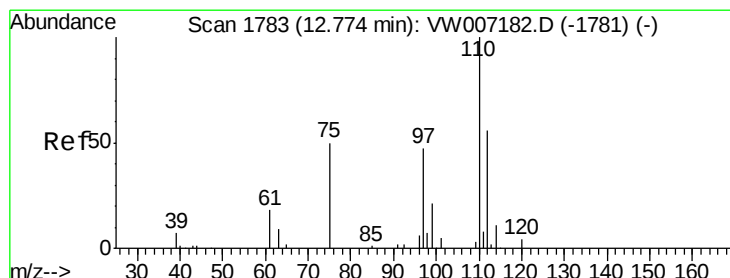
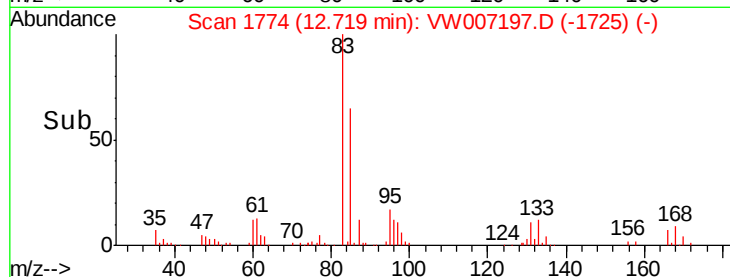
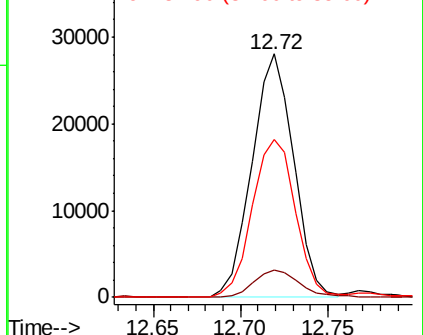
85 67.1 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 58.265 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007197.D

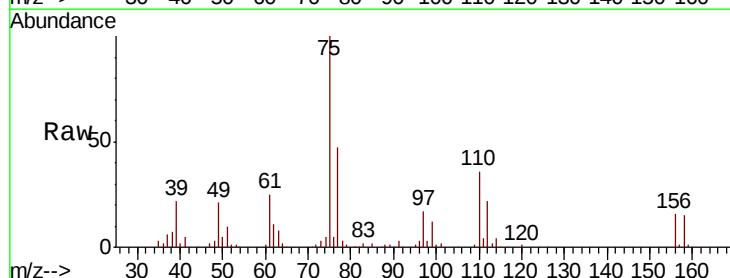
Acq: 04 Dec 2018 19:29

Tgt Ion: 75 Resp: 67576

Ion Ratio Lower Upper

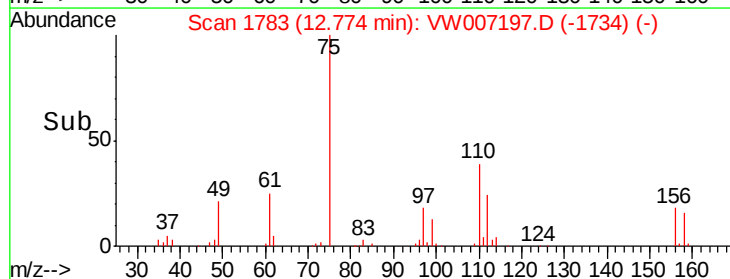
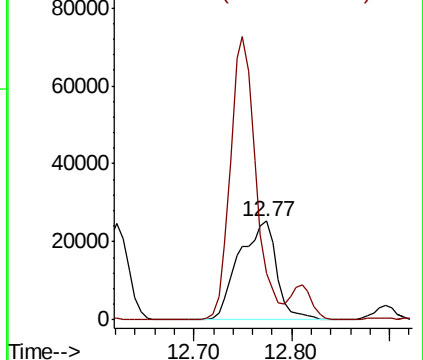
75 100

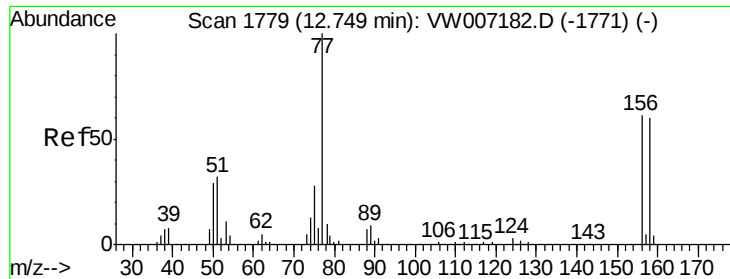
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.733 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

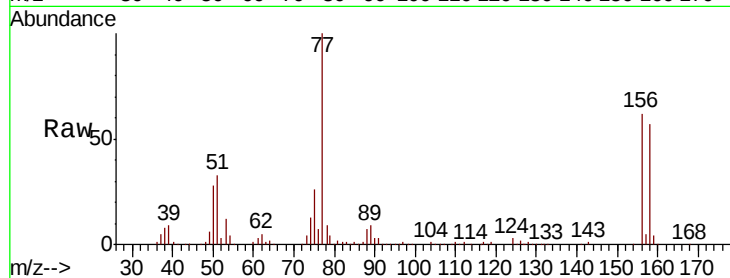
Tot Ion:156 Resp: 70096

Ion Ratio Lower Upper

156 100

77 188.4 92.0 276.1

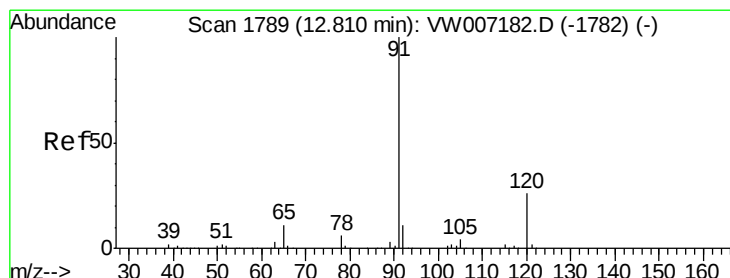
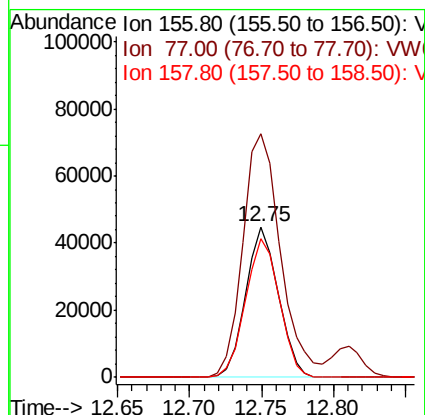
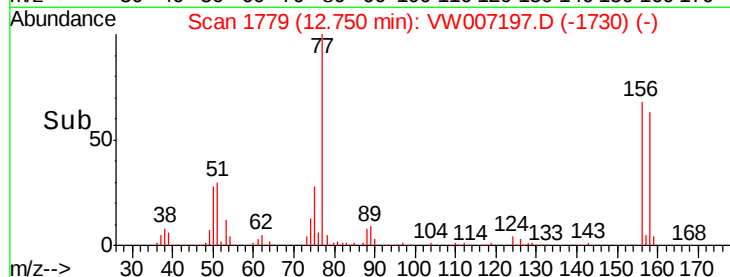
158 95.8 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.043 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007197.D

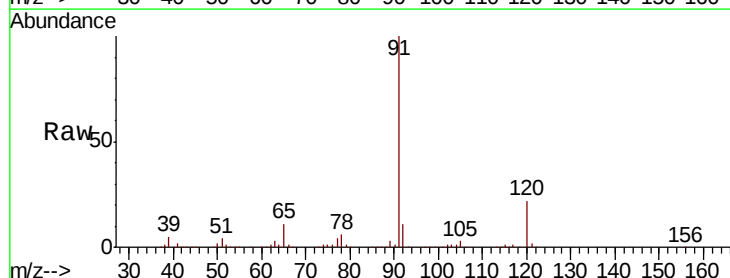
Acq: 04 Dec 2018 19:29

Tgt Ion: 91 Resp: 359290

Ion Ratio Lower Upper

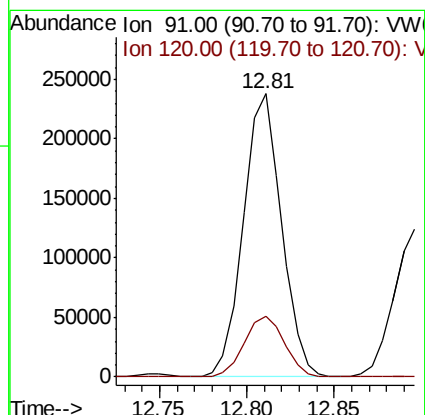
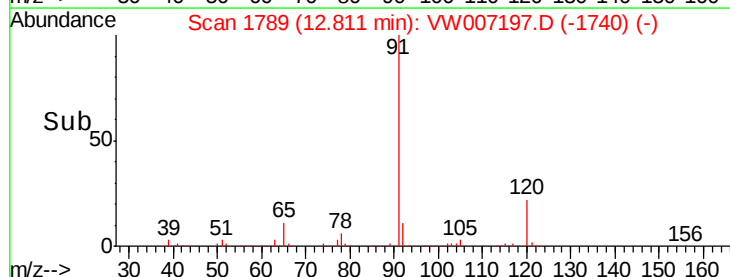
91 100

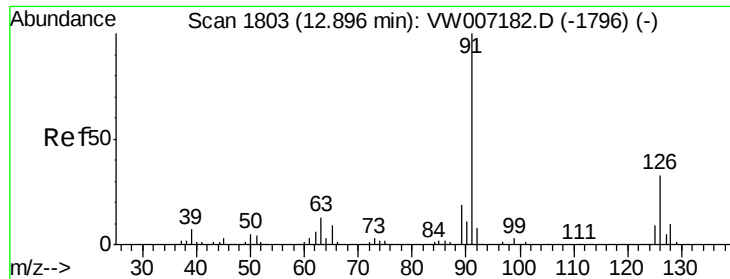
120 22.6 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.940 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

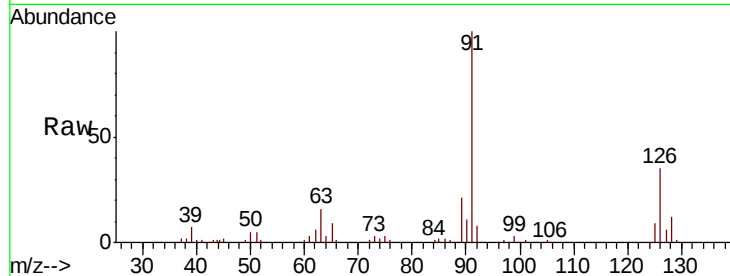
HLSP-SB-5B-(8.5)MS

Tot Ion: 91 Resp: 202455

Ion Ratio Lower Upper

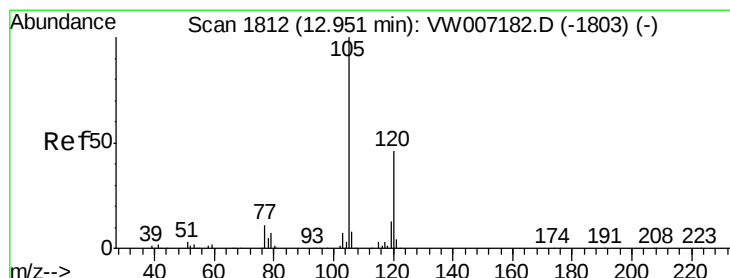
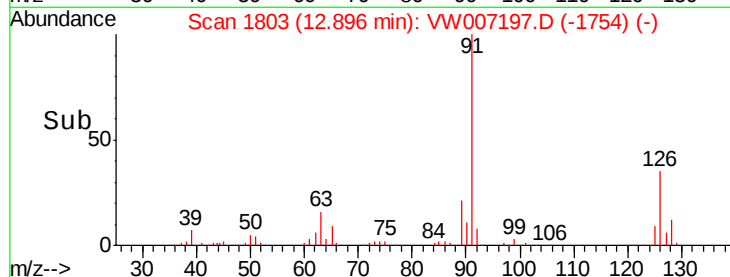
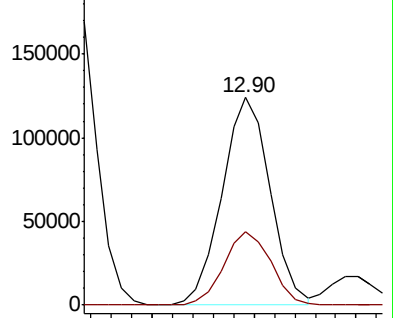
91 100

126 35.0 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.543 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW007197.D

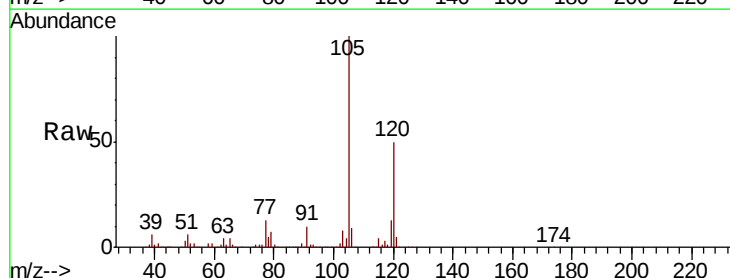
Acq: 04 Dec 2018 19:29

Tgt Ion:105 Resp: 249935

Ion Ratio Lower Upper

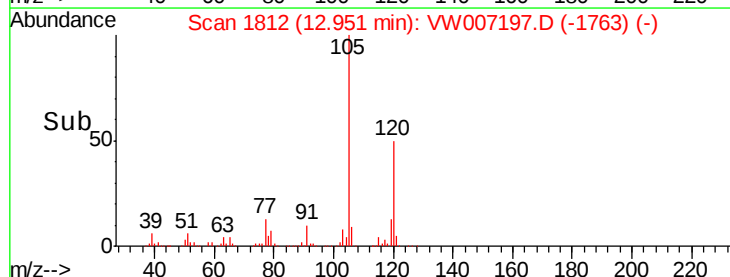
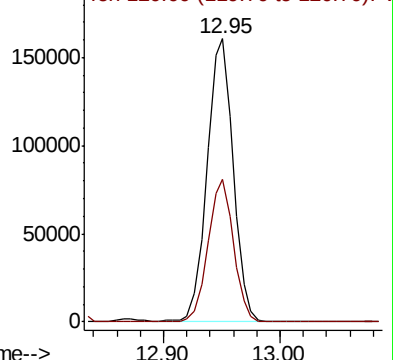
105 100

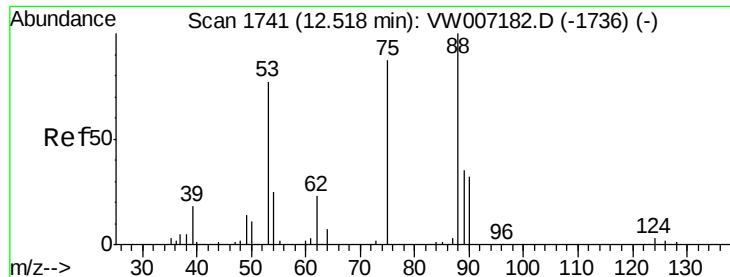
120 49.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

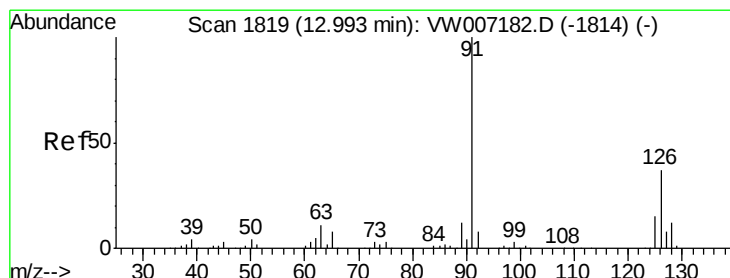
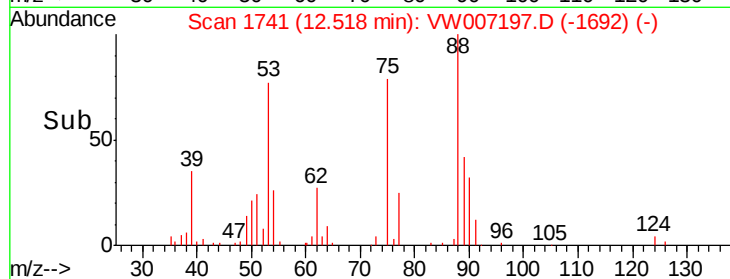
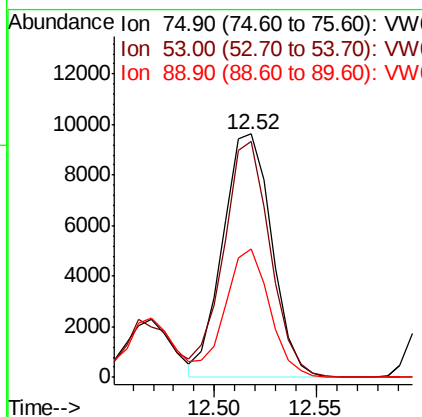
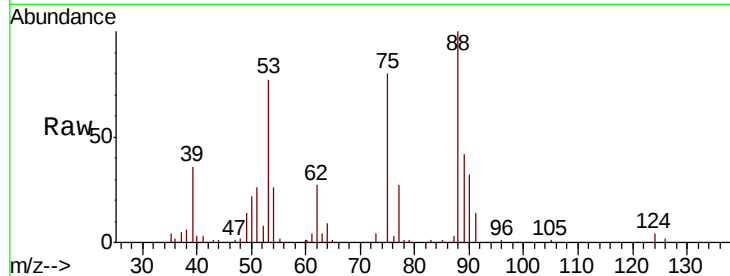




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.826 ug/l  
RT: 12.52 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

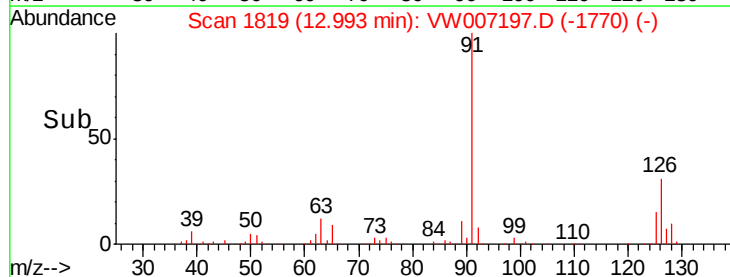
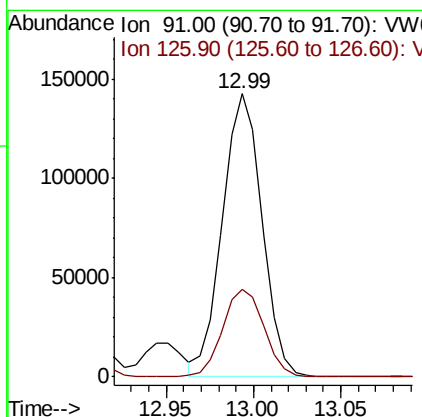
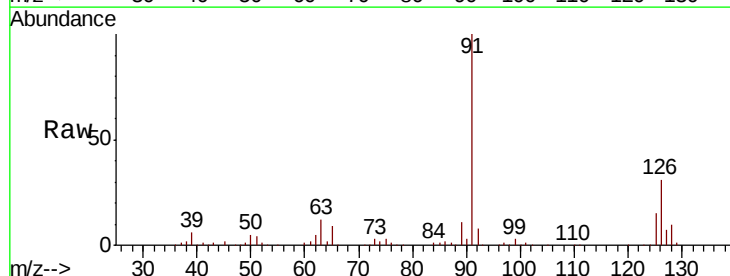
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

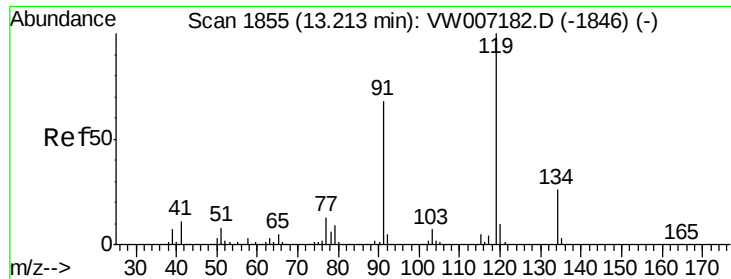
Tot Ion: 75 Resp: 16033  
Ion Ratio Lower Upper  
75 100  
53 92.6 72.8 109.2  
89 48.4 36.4 54.6



#82  
4-Chlorotoluene  
Concen: 49.740 ug/l  
RT: 12.99 min Scan# 1819  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 91 Resp: 223464  
Ion Ratio Lower Upper  
91 100  
126 32.5 17.4 52.3

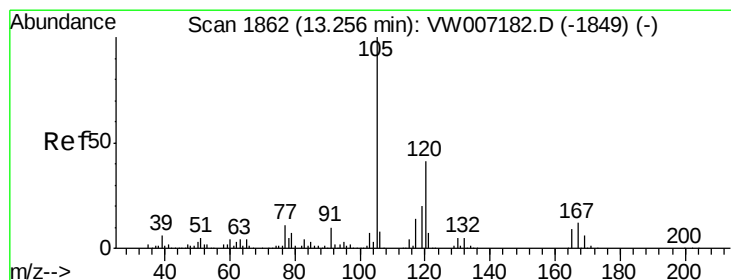
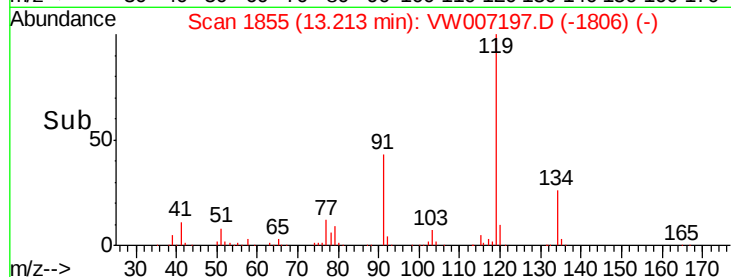
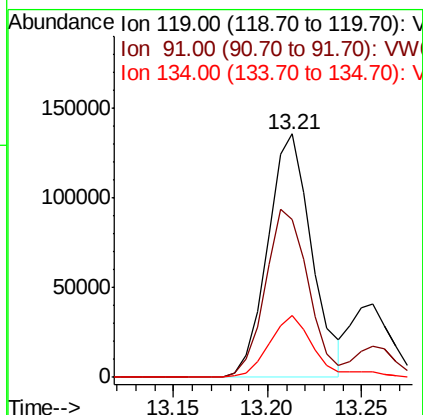
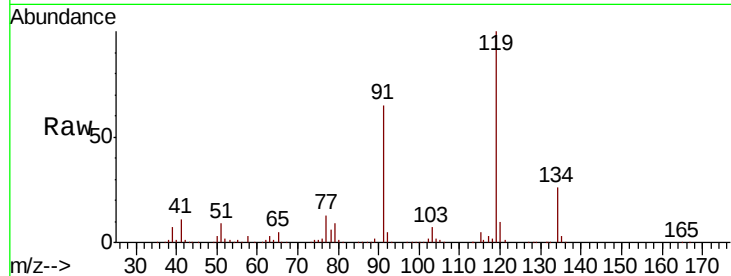




#83  
tert-Butylbenzene  
Concen: 46.811 ug/l  
RT: 13.21 min Scan# 1855  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

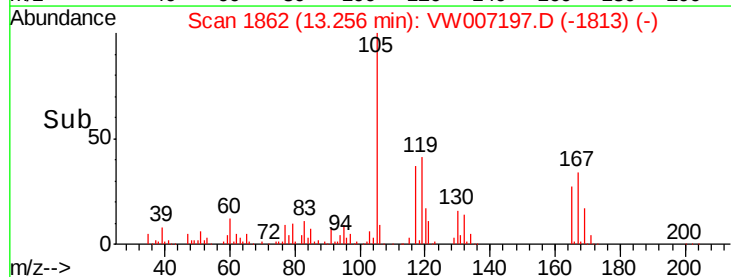
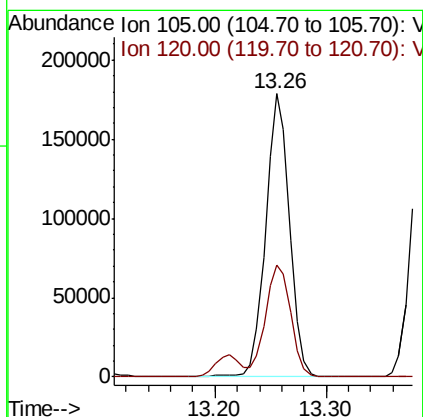
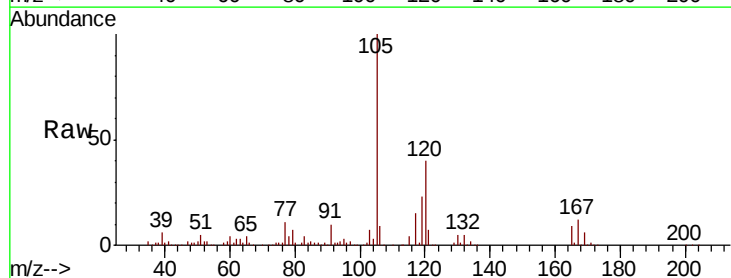
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

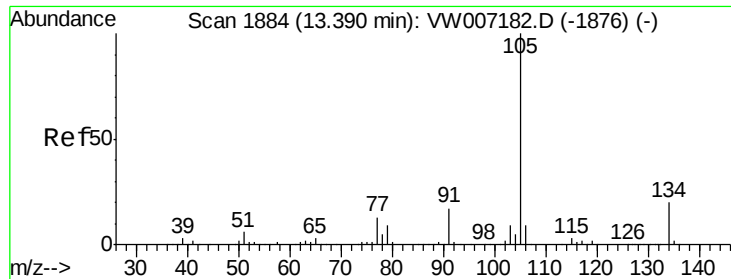
Tot Ion:119 Resp: 219674  
Ion Ratio Lower Upper  
119 100  
91 67.4 34.0 101.8  
134 24.7 13.2 39.5



#84  
1,2,4-Trimethylbenzene  
Concen: 48.586 ug/l  
RT: 13.26 min Scan# 1862  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion:105 Resp: 266327  
Ion Ratio Lower Upper  
105 100  
120 41.6 21.1 63.3

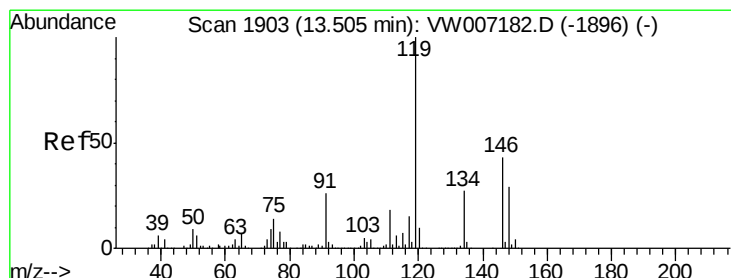
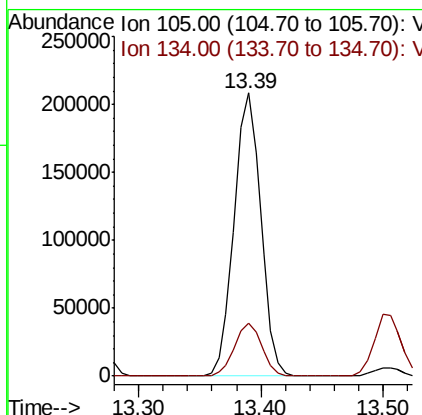
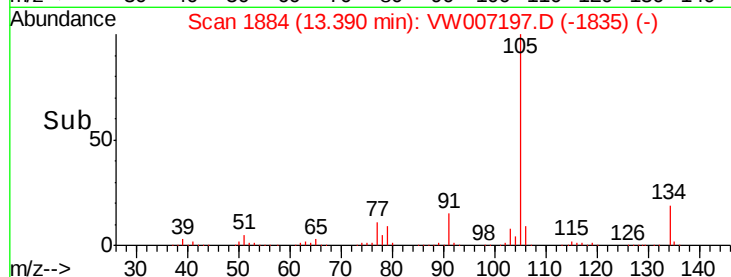
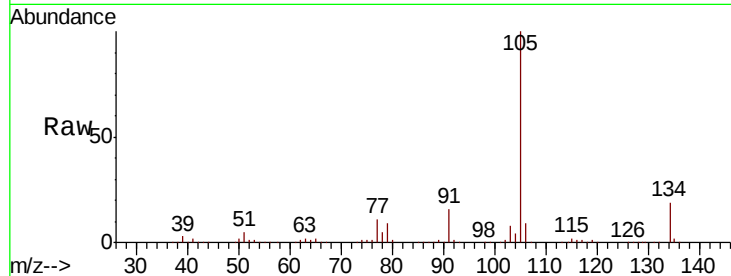




#85  
 sec-Butylbenzene  
 Concen: 47.067 ug/l  
 RT: 13.39 min Scan# 1884  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

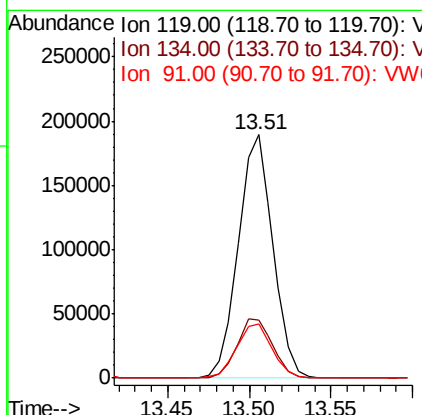
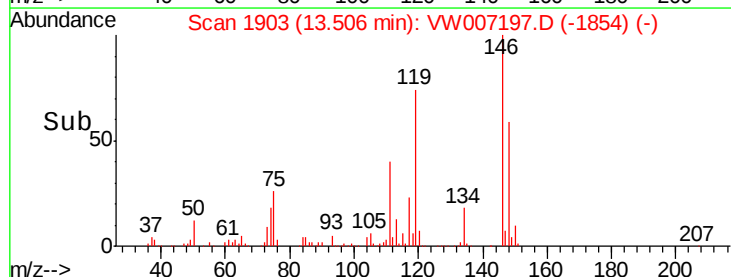
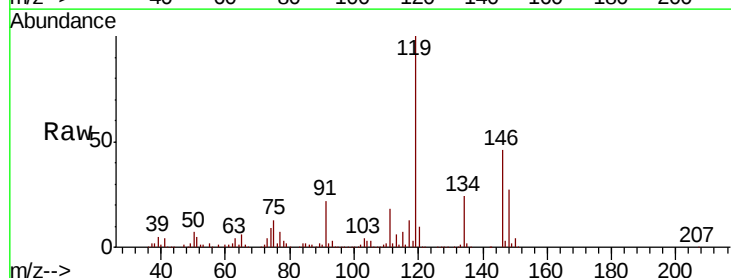
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

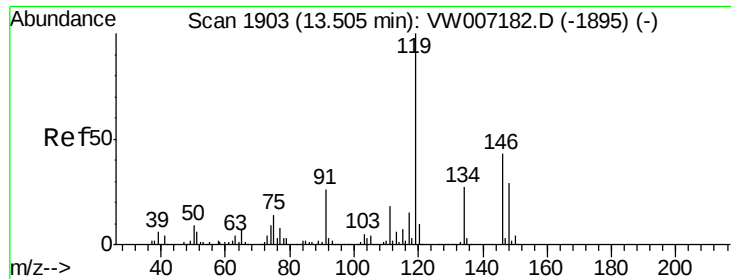
Tot Ion:105 Resp: 315325  
 Ion Ratio Lower Upper  
 105 100  
 134 19.0 10.3 30.8



#86  
 p-Isopropyltoluene  
 Concen: 46.714 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion:119 Resp: 278594  
 Ion Ratio Lower Upper  
 119 100  
 134 25.1 13.2 39.6  
 91 22.9 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 49.598 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

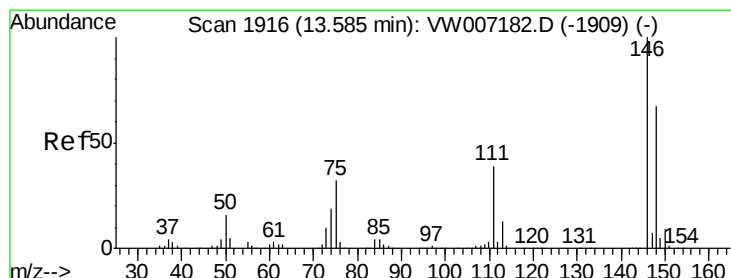
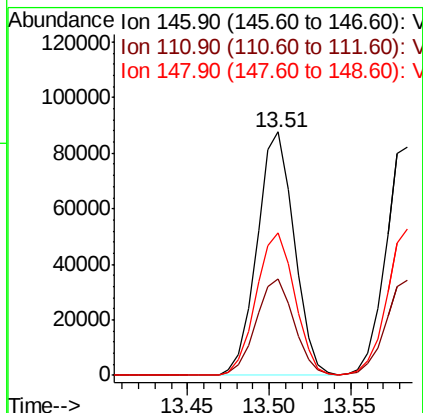
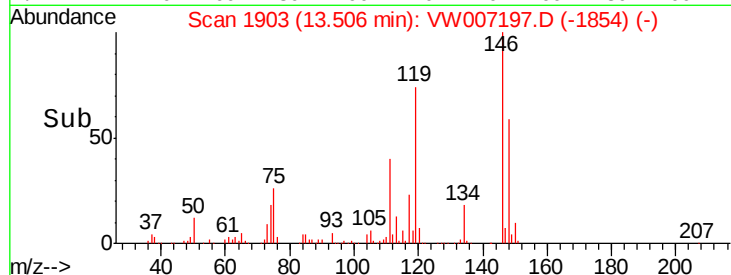
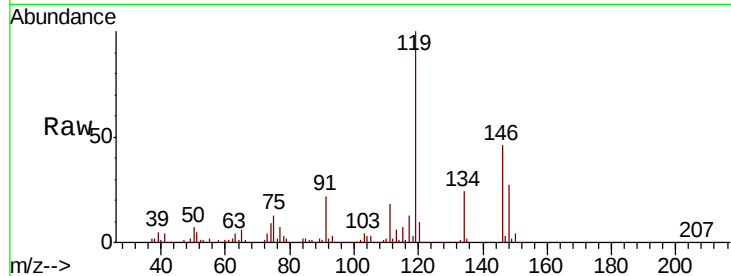
Tot Ion:146 Resp: 137956

Ion Ratio Lower Upper

146 100

111 40.6 21.1 63.4

148 61.1 32.8 98.4



#88

1,4-Dichlorobenzene

Concen: 47.972 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

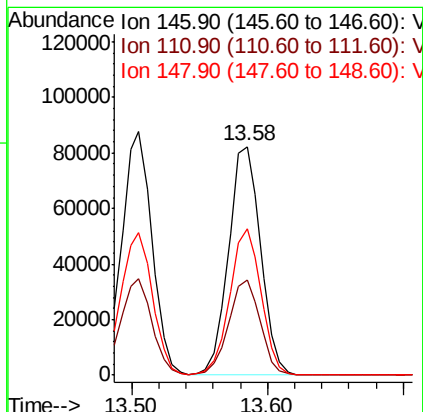
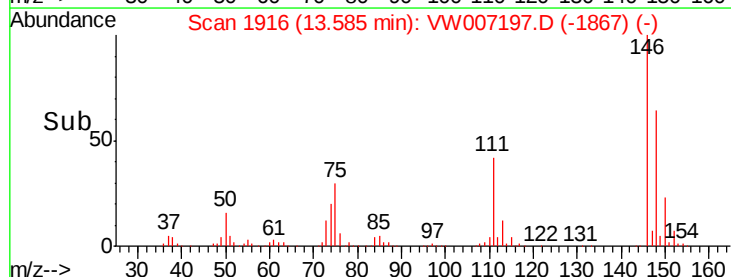
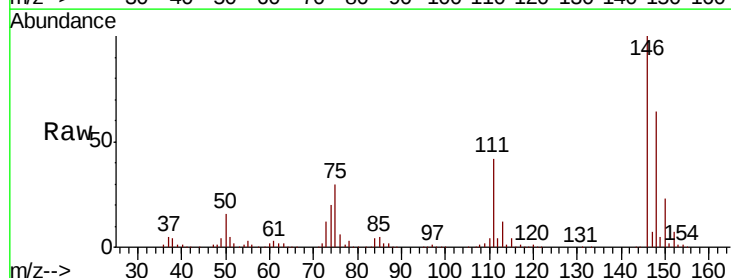
Tgt Ion:146 Resp: 134783

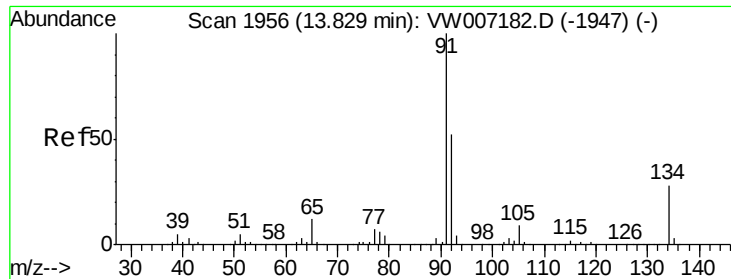
Ion Ratio Lower Upper

146 100

111 41.2 19.6 58.8

148 62.6 32.6 98.0

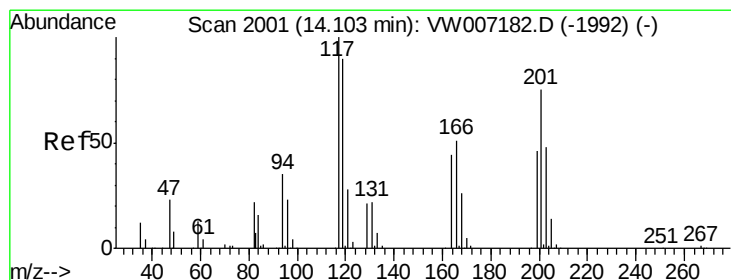
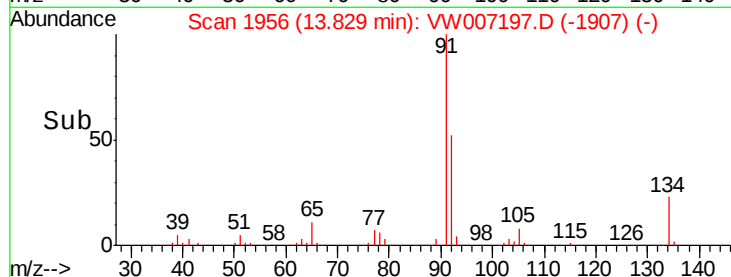
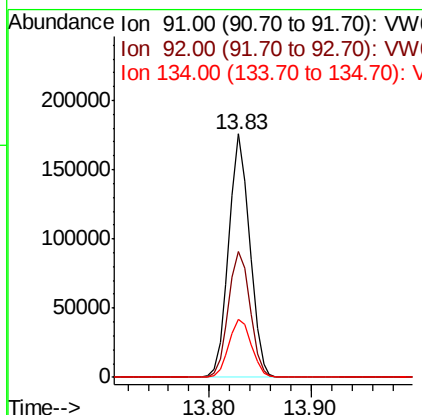
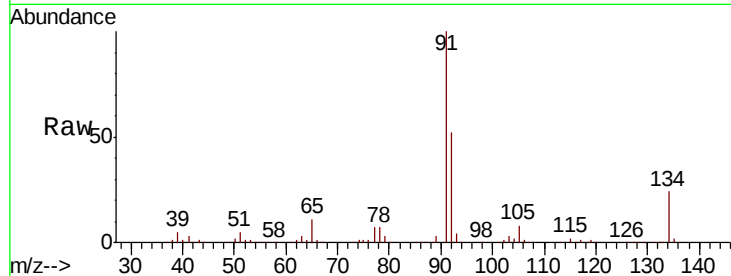




#89  
n-Butylbenzene  
Concen: 44.774 ug/l  
RT: 13.83 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

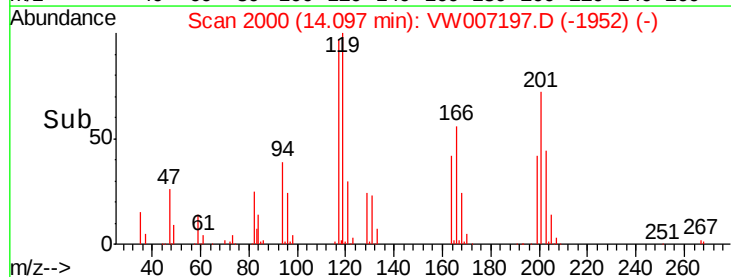
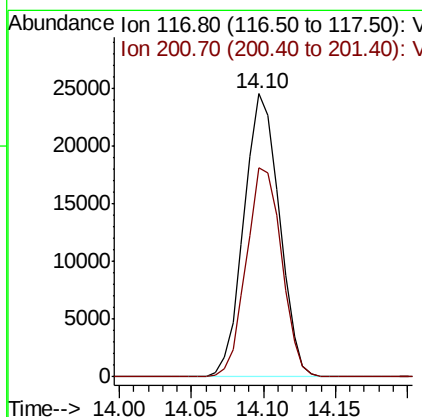
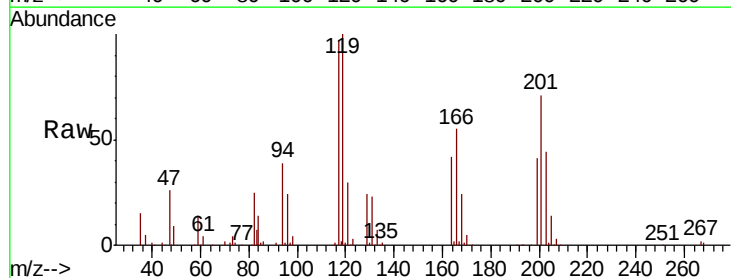
Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

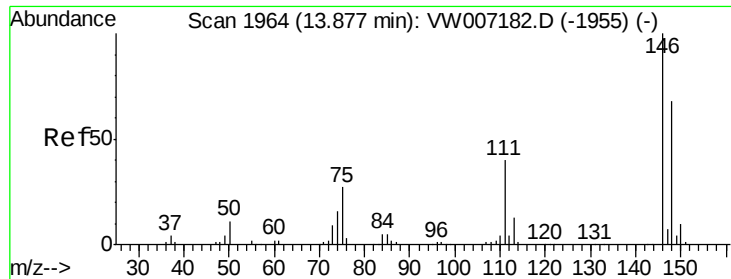
Tot Ion: 91 Resp: 249526  
Ion Ratio Lower Upper  
91 100  
92 53.6 26.5 79.5  
134 25.6 14.1 42.2



#90  
Hexachloroethane  
Concen: 46.094 ug/l  
RT: 14.10 min Scan# 2000  
Delta R.T. -0.01 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Tgt Ion: 117 Resp: 41891  
Ion Ratio Lower Upper  
117 100  
201 73.3 36.0 108.1





#91

1,2-Dichlorobenzene

Concen: 51.575 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

Instrument :

MSVOA\_W

ClientSampleId :

HLSP-SB-5B-(8.5)MS

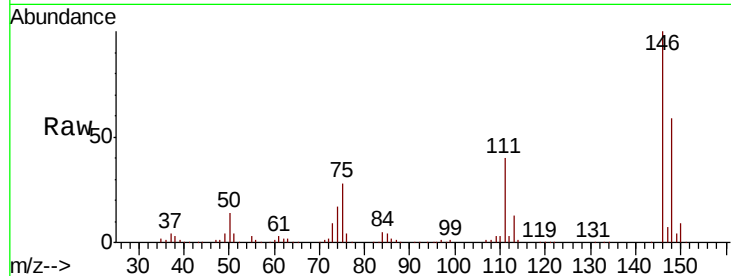
Tot Ion:146 Resp: 124190

Ion Ratio Lower Upper

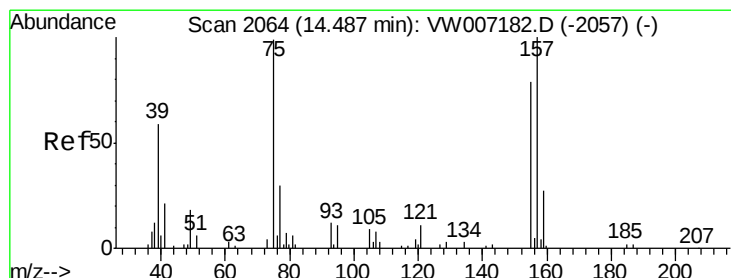
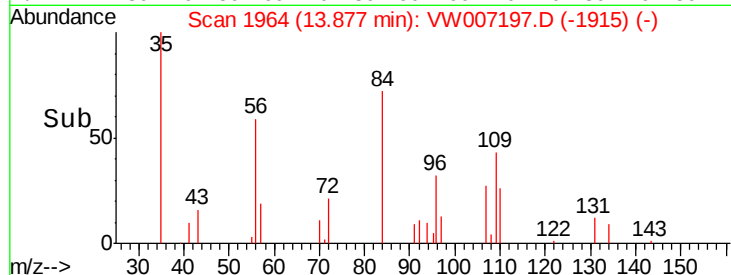
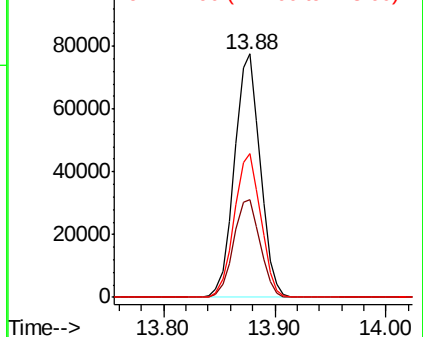
146 100

111 41.5 21.6 65.0

148 60.9 32.7 98.1



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.320 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007197.D

Acq: 04 Dec 2018 19:29

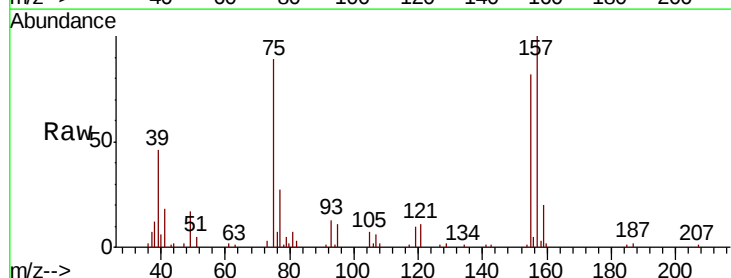
Tgt Ion: 75 Resp: 9368

Ion Ratio Lower Upper

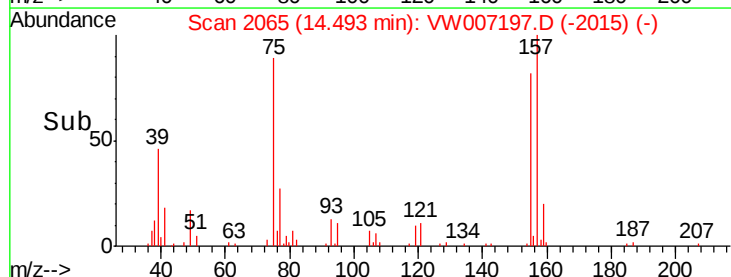
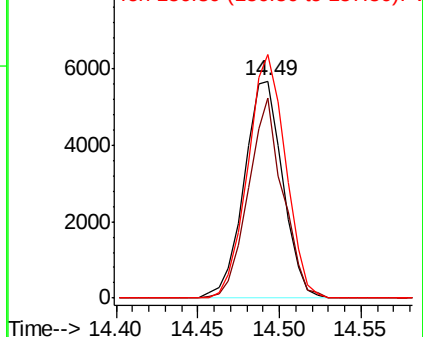
75 100

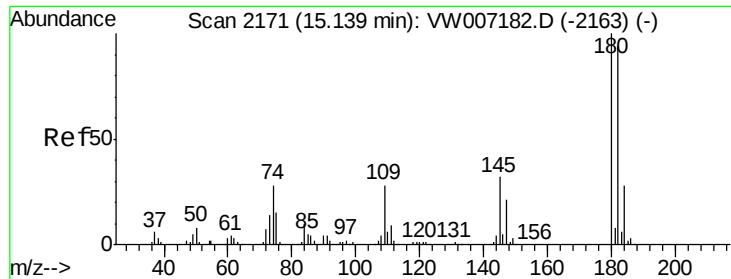
155 82.8 42.4 127.2

157 109.7 55.3 165.9



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

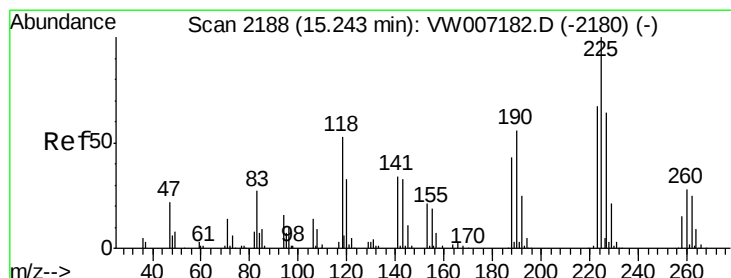
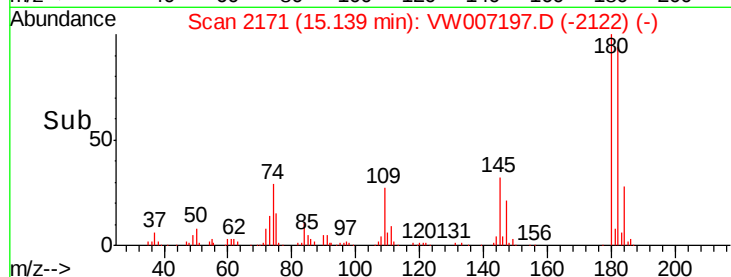
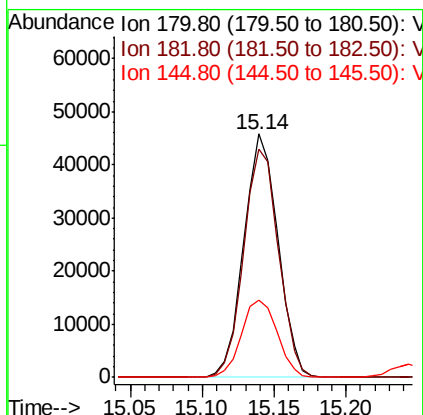
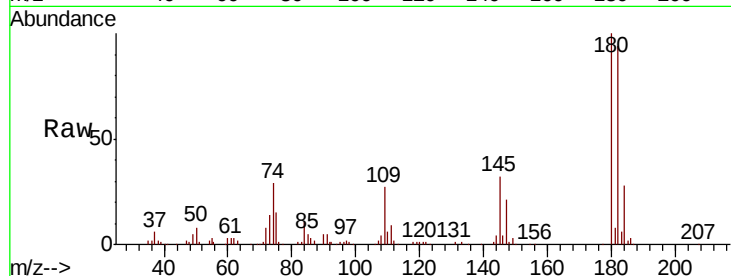




#93  
 1,2,4-Trichlorobenzene  
 Concen: 44.965 ug/l  
 RT: 15.14 min Scan# 2171  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

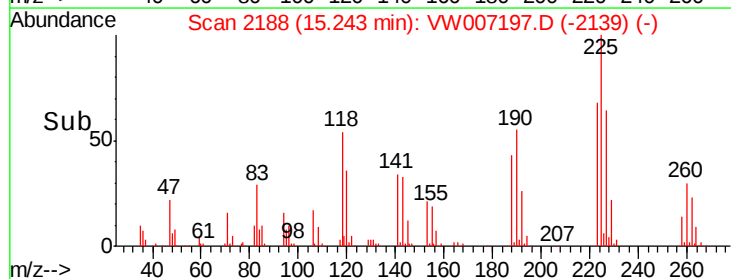
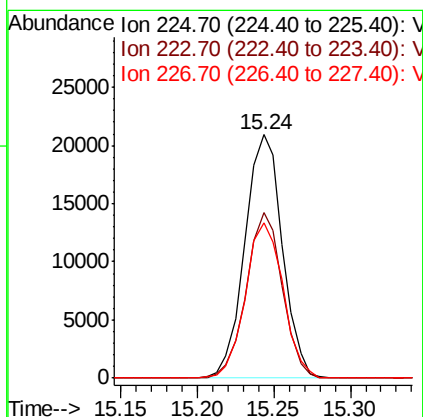
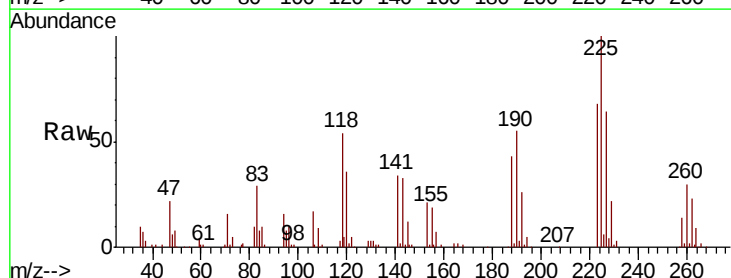
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 HLSP-SB-5B-(8.5)MS

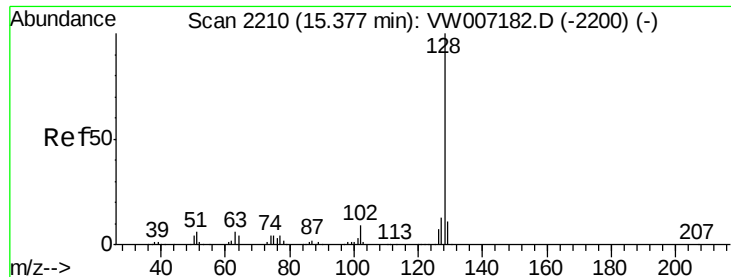
Tot Ion:180 Resp: 75034  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 47.9 143.8  
 145 33.5 16.6 49.7



#94  
 Hexachlorobutadiene  
 Concen: 39.661 ug/l  
 RT: 15.24 min Scan# 2188  
 Delta R.T. 0.00 min  
 Lab File: VW007197.D  
 Acq: 04 Dec 2018 19:29

Tgt Ion:225 Resp: 35690  
 Ion Ratio Lower Upper  
 225 100  
 223 65.3 32.3 96.8  
 227 64.2 32.1 96.3

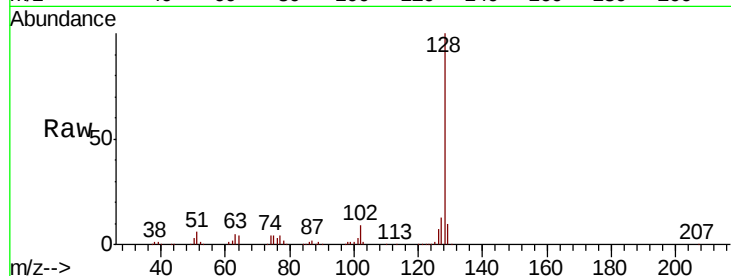




#95  
Naphthalene  
Concen: 53.501 ug/l  
RT: 15.38 min Scan# 2210  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

Instrument :  
MSVOA\_W  
ClientSampleId :  
HLSP-SB-5B-(8.5)MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.4  | 10.3  | 15.5  |
| 129     | 10.7  | 8.6   | 13.0  |

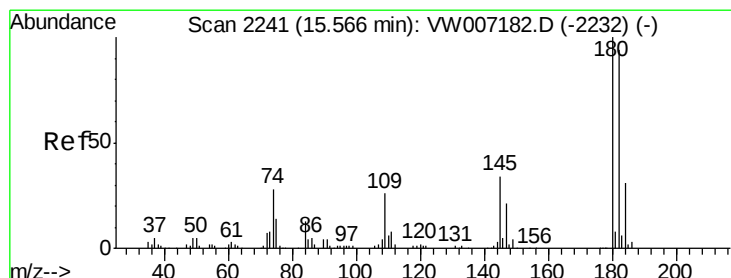
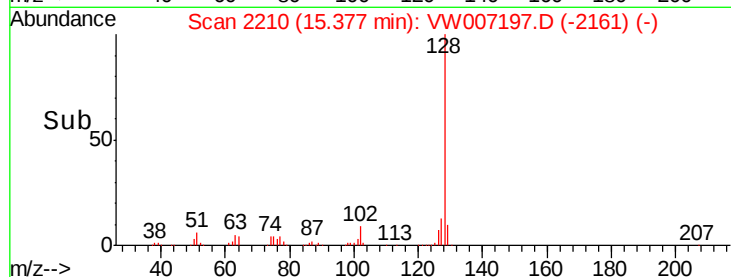
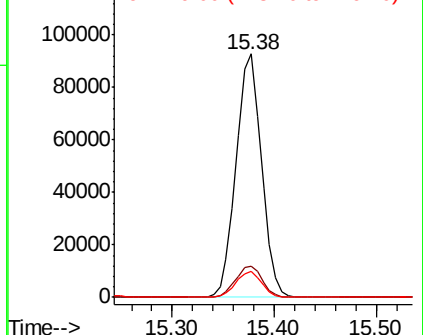


Abundance

Ion 128.00 (127.70 to 128.70): V

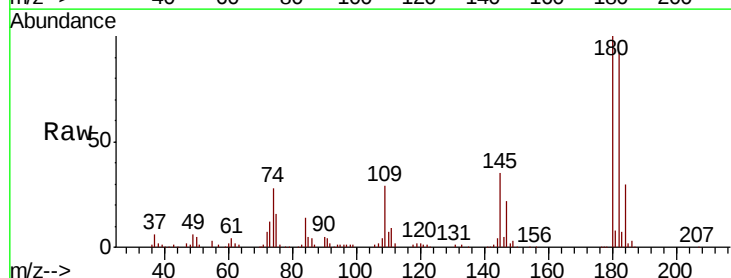
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 45.959 ug/l  
RT: 15.57 min Scan# 2241  
Delta R.T. 0.00 min  
Lab File: VW007197.D  
Acq: 04 Dec 2018 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.2  | 47.4  | 142.2 |
| 145     | 34.9  | 17.6  | 52.8  |



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

