

Data File : VX001211.D

Acq On : 28 Apr 2018 14:13

Operator : JC/MD

Sample : J2564-06

Misc : 5.0mL/MSVOA\_X/WATER

ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
LS-UB-102

Quant Time: Apr 30 01:28:08 2018

Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X042618W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 27 01:51:42 2018

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 179585   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 248258   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 222466   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 130912   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 115513   | 41.50 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 83.00% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 92241    | 44.89 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 89.78% |      |
| 50) Toluene-d8            | 8.72   | 98  | 344272   | 44.40 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.80% |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 120949   | 39.93 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 79.86% |      |

## Target Compounds

|                                |       |     |       |           |        | Qvalue |
|--------------------------------|-------|-----|-------|-----------|--------|--------|
| 5) Bromomethane                | 1.65  | 94  | 373   | Below Cal | #      | 68     |
| 10) Methyl Iodide              | 2.52  | 142 | 530   | 7.47      | ug/l # | 89     |
| 11) Tert butyl alcohol         | 3.07  | 59  | 3251  | 5.92      | ug/l # | 76     |
| 13) Acrolein                   | 2.30  | 56  | 1096  | 5.28      | ug/l   | 92     |
| 14) Allyl chloride             | 2.72  | 41  | 4281  | 1.29      | ug/l # | 43     |
| 15) Acrylonitrile              | 3.15  | 53  | 562   | 0.48      | ug/l # | 77     |
| 16) Acetone                    | 2.45  | 43  | 82130 | 71.74     | ug/l   | 98     |
| 17) Carbon Disulfide           | 2.57  | 76  | 2656  | 0.57      | ug/l   | 97     |
| 18) Methyl Acetate             | 2.78  | 43  | 969   | 0.34      | ug/l # | 84     |
| 20) Methylene Chloride         | 2.86  | 84  | 1099  | 0.52      | ug/l # | 84     |
| 25) 2-Butanone                 | 4.72  | 43  | 49293 | 28.78     | ug/l   | 96     |
| 29) Tetrahydrofuran            | 5.17  | 42  | 32356 | 29.38     | ug/l   | 98     |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 11268 | 4.12      | ug/l # | 49     |
| 37) Ethyl Acetate              | 4.72  | 43  | 49293 | 15.05     | ug/l # | 69     |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 15961 | 5.69      | ug/l # | 16     |
| 41) Methacrylonitrile          | 5.18  | 41  | 21261 | 11.55     | ug/l # | 51     |
| 48) Methyl methacrylate        | 7.77  | 41  | 718   | 0.26      | ug/l # | 36     |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43  | 4470  | 1.32      | ug/l   | 94     |
| 52) Toluene                    | 8.79  | 92  | 41816 | 8.08      | ug/l   | 99     |
| 54) cis-1,3-Dichloropropene    | 9.06  | 75  | 76    | 3.21      | ug/l # | 31     |
| 59) 2-Hexanone                 | 9.51  | 43  | 1164  | 0.44      | ug/l   | 93     |
| 60) Dibromochloromethane       | 9.35  | 129 | 54    | 3.37      | ug/l # | 11     |
| 65) Chlorobenzene              | 10.14 | 112 | 2731  | 0.47      | ug/l   | 99     |
| 67) Ethyl Benzene              | 10.26 | 91  | 2243  | 0.24      | ug/l # | 83     |
| 68) m/p-Xylenes                | 10.36 | 106 | 1180  | 0.32      | ug/l   | 100    |
| 73) Isopropylbenzene           | 11.02 | 105 | 86030 | 10.08     | ug/l   | 99     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 62828 | 23.57     | ug/l # | 39     |
| 78) n-propylbenzene            | 11.37 | 91  | 35143 | 3.69      | ug/l   | 97     |
| 79) 2-Chlorotoluene            | 11.37 | 91  | 35143 | 5.96      | ug/l # | 38     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 62828 | 72.36     | ug/l # | 6      |
| 82) 4-Chlorotoluene            | 11.67 | 91  | 2555  | 0.36      | ug/l # | 43     |
| 83) tert-Butylbenzene          | 11.77 | 119 | 1708  | 0.24      | ug/l   | 81     |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105 | 3479  | 0.47      | ug/l   | 86     |
| 85) sec-Butylbenzene           | 11.95 | 105 | 7045  | 0.84      | ug/l # | 71     |

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Instrument :  
MSVOA\_X  
ClientSampleId :  
LS-UB-102

Quant Time: Apr 30 01:28:08 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X042618W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 27 01:51:42 2018  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 86) p-Isopropyltoluene         | 12.24 | 119  | 7424     | 0.95   | ug/l # | 76       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 10197    | 2.15   | ug/l # | 81       |
| 89) n-Butylbenzene             | 12.30 | 91   | 422575   | 62.32  | ug/l # | 46       |
| 90) Hexachloroethane           | 12.76 | 117  | 150549   | 114.41 | ug/l # | 1        |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 672      | 1.08   | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene     | 13.65 | 180  | 1132     | 0.31   | ug/l # | 1        |
| 94) Hexachlorobutadiene        | 13.79 | 225  | 1210     | 0.72   | ug/l   | 94       |
| 95) Naphthalene                | 13.84 | 128  | 24481    | 2.44   | ug/l # | 90       |
| 96) 1,2,3-Trichlorobenzene     | 14.03 | 180  | 896      | 0.25   | ug/l # | 1        |

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

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Sample : J2564-06

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ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA\_X

ClientSampleId :

LS-UB-102

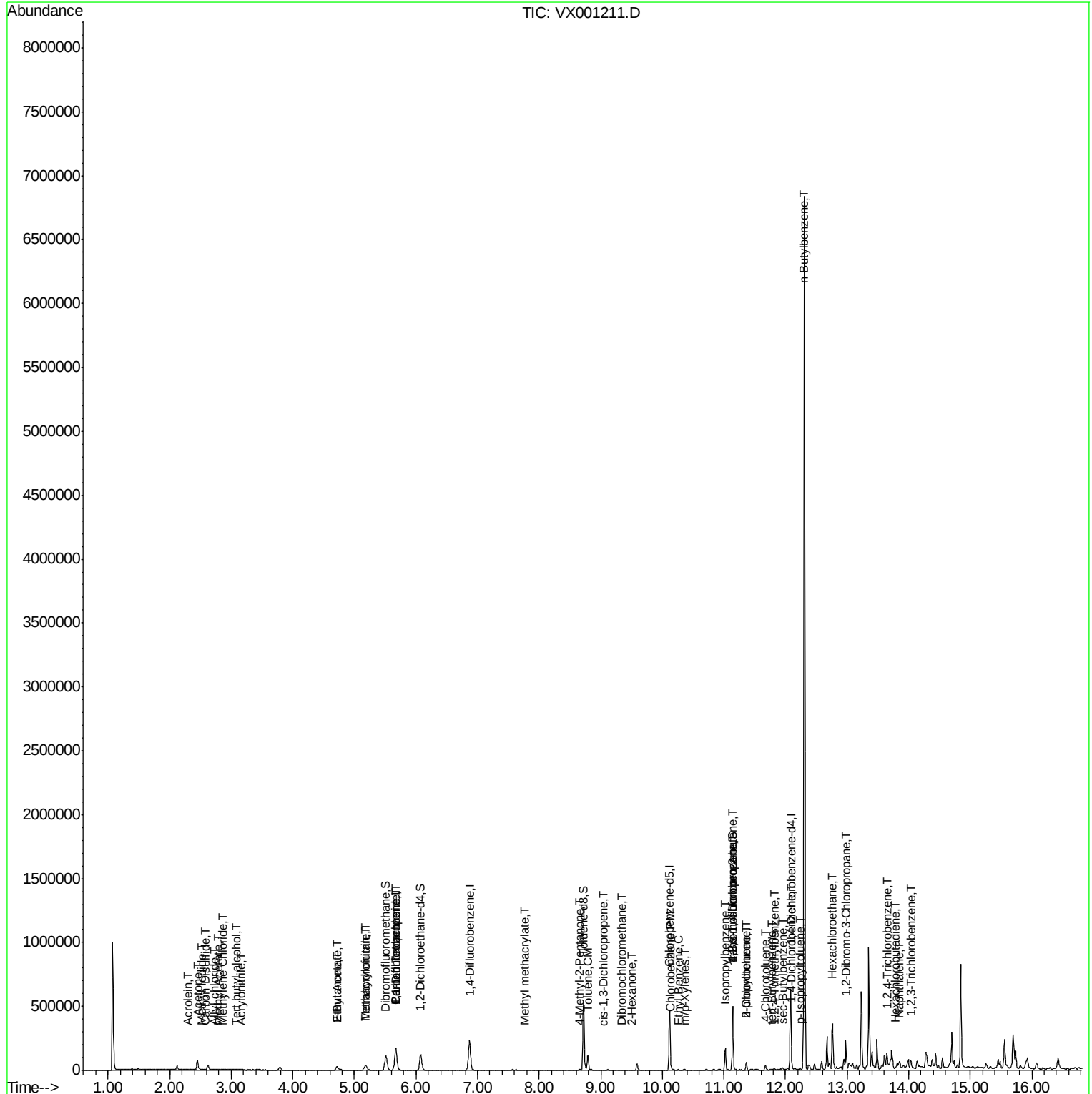
Quant Time: Apr 30 01:28:08 2018

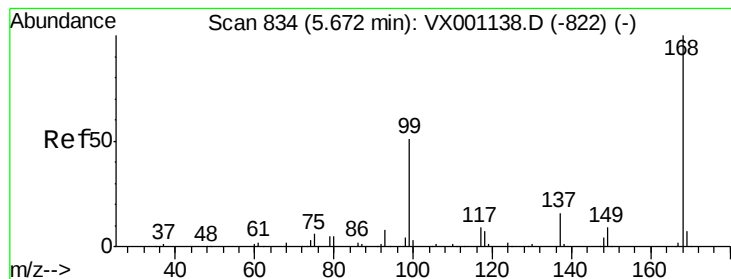
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X042618W.M

Quant Title : SW846 8260

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampleId :

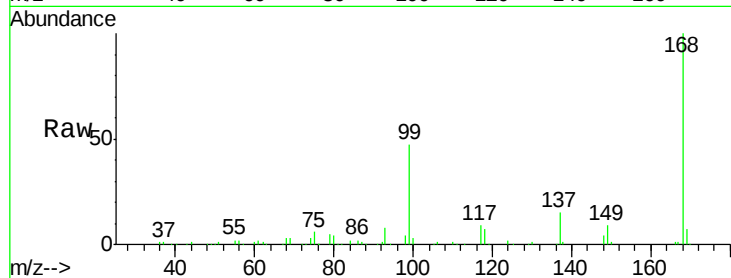
LS-UB-102

Tgt Ion: 168 Resp: 179585

Ion Ratio Lower Upper

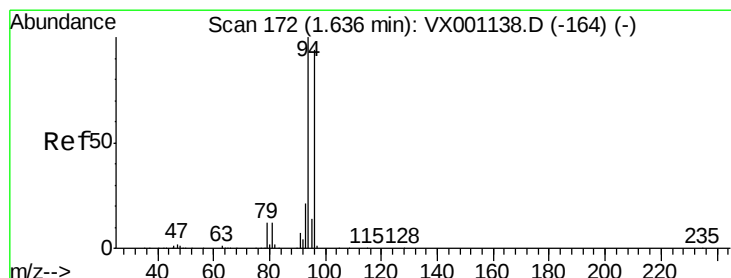
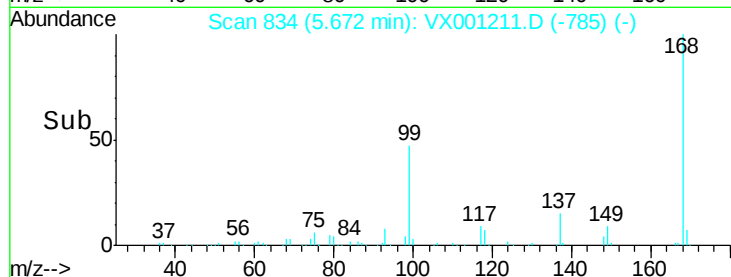
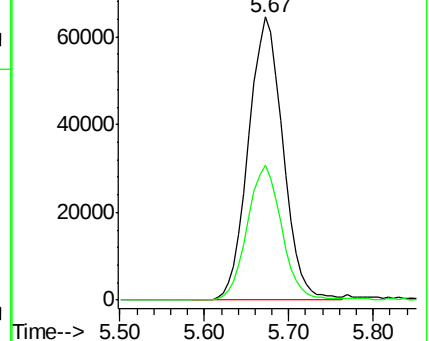
168 100

99 47.5 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001211.D

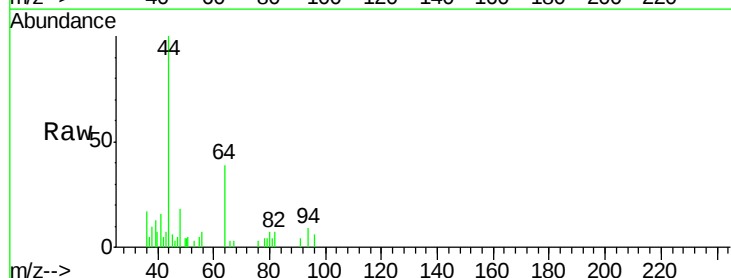
Acq: 28 Apr 2018 14:13

Tgt Ion: 94 Resp: 373

Ion Ratio Lower Upper

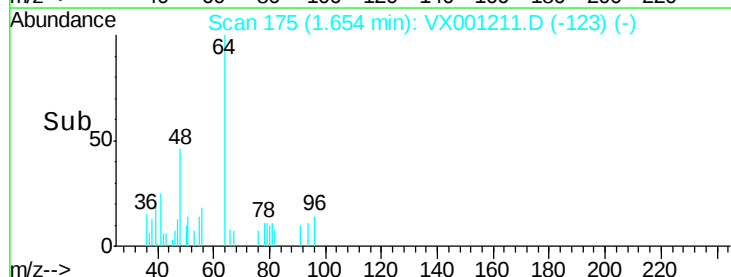
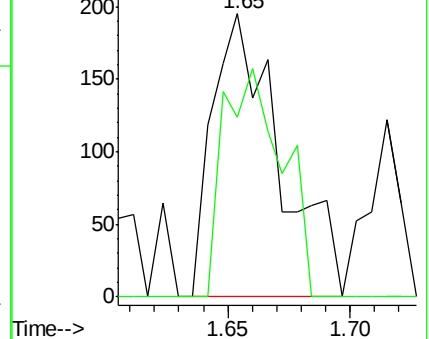
94 100

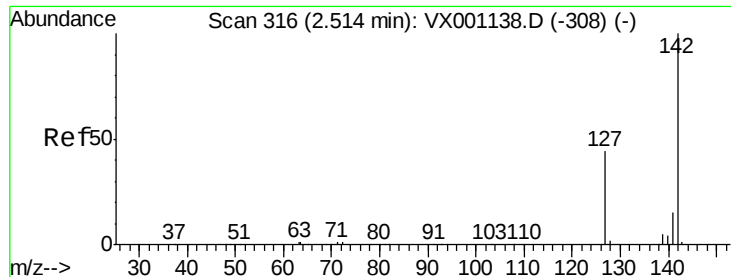
96 63.6 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

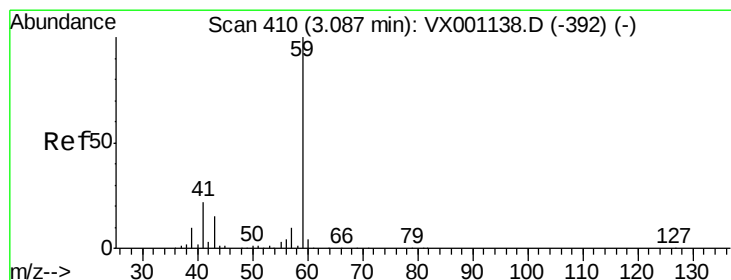
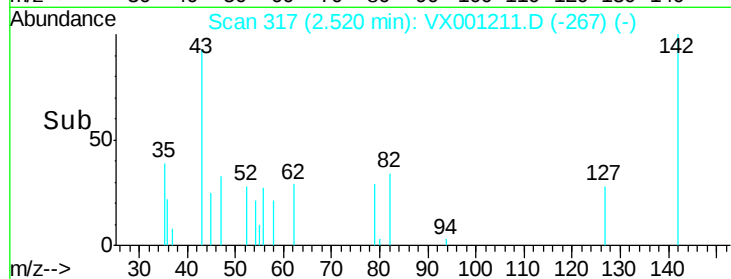
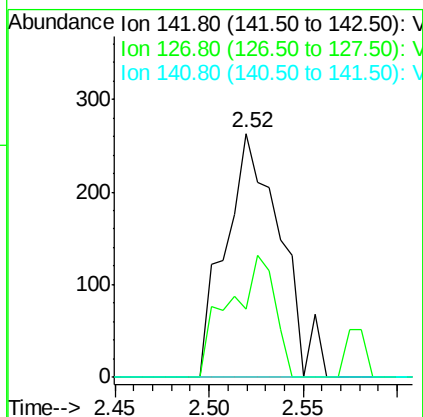
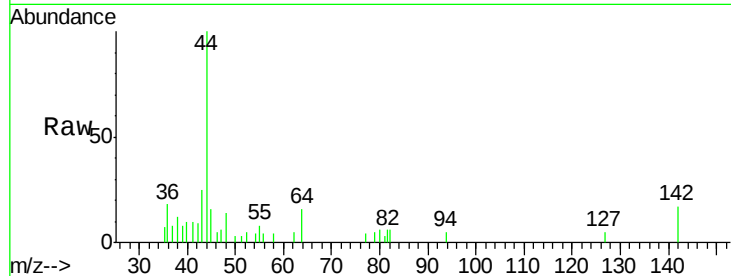




#10  
Methyl Iodide  
Concen: 7.47 ug/l  
RT: 2.52 min Scan# 317  
Delta R.T. 0.01 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

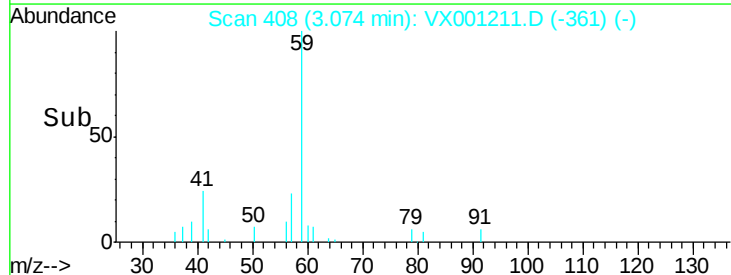
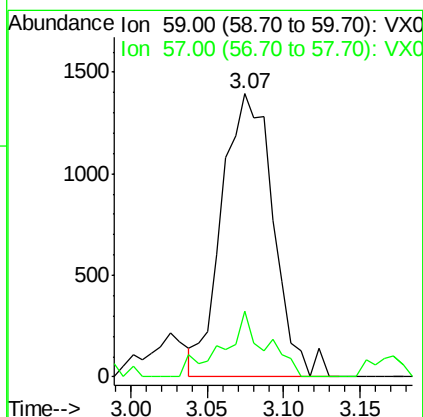
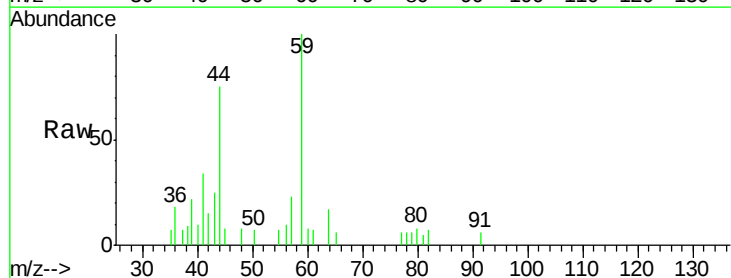
Instrument :  
MSVOA\_X  
ClientSampled :  
LS-UB-102

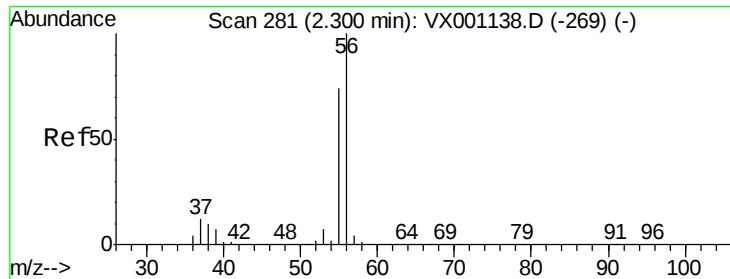
Tgt Ion: 142 Resp: 530  
Ion Ratio Lower Upper  
142 100  
127 41.9 34.7 52.1  
141 0.0 11.6 17.4#



#11  
Tert butyl alcohol  
Concen: 5.92 ug/l  
RT: 3.07 min Scan# 408  
Delta R.T. -0.01 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Tgt Ion: 59 Resp: 3251  
Ion Ratio Lower Upper  
59 100  
57 19.1 8.2 12.4#





#13

Acrolein

Concen: 5.28 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampleId :

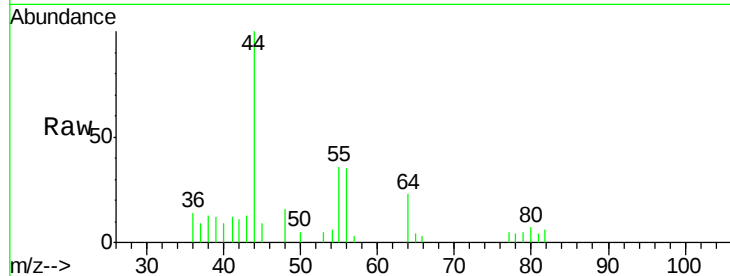
LS-UB-102

Tgt Ion: 56 Resp: 1096

Ion Ratio Lower Upper

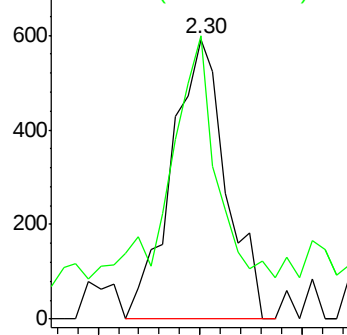
56 100

55 77.7 57.2 85.8

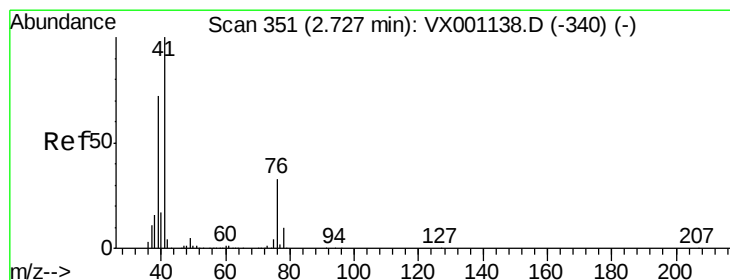
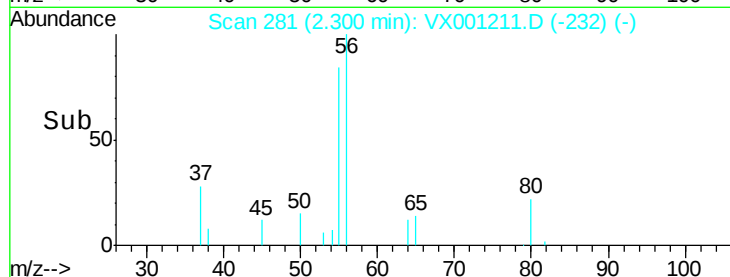


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 1.29 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

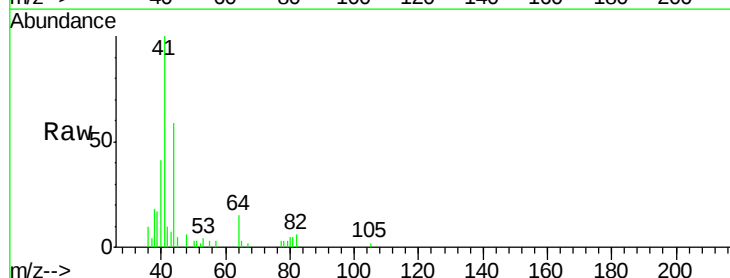
Tgt Ion: 41 Resp: 4281

Ion Ratio Lower Upper

41 100

39 22.4 55.6 83.4#

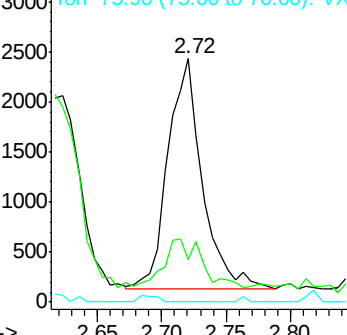
76 0.0 24.8 37.2#



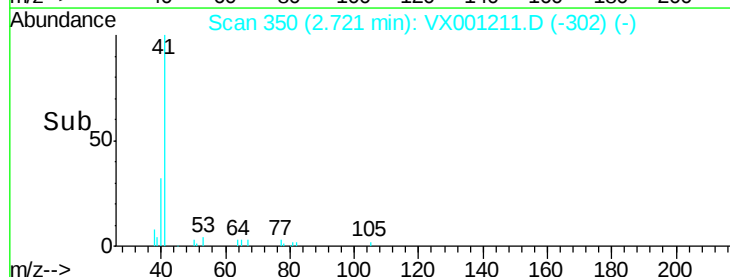
Abundance Ion 41.00 (40.70 to 41.70): VX0

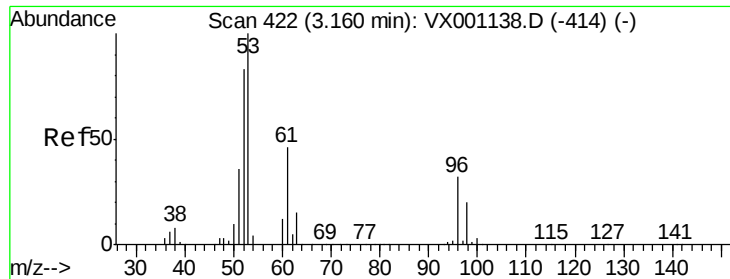
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#15

Acrylonitrile

Concen: 0.48 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampled :

LS-UB-102

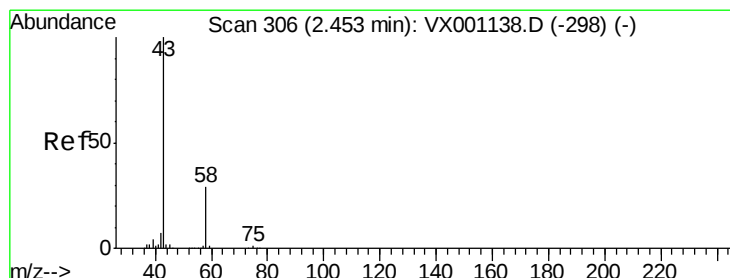
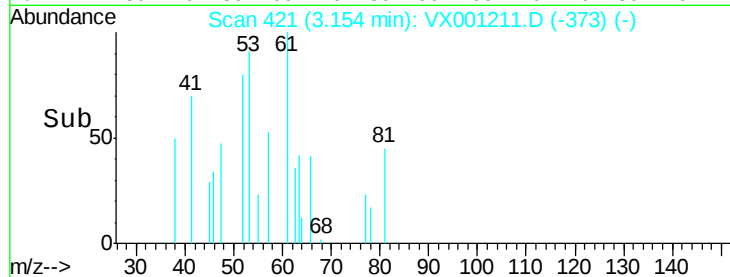
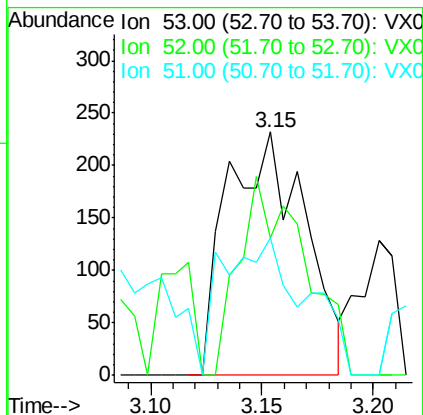
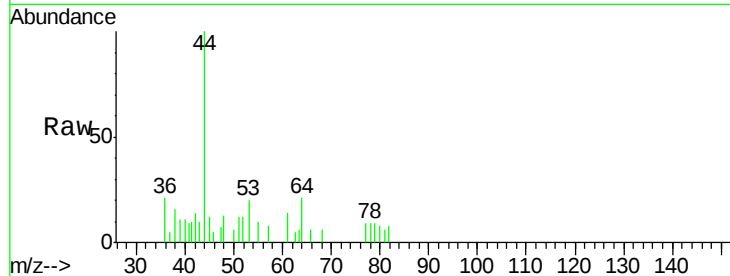
Tgt Ion: 53 Resp: 562

Ion Ratio Lower Upper

53 100

52 68.9 66.5 99.7

51 60.3 29.5 44.3#



#16

Acetone

Concen: 71.74 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001211.D

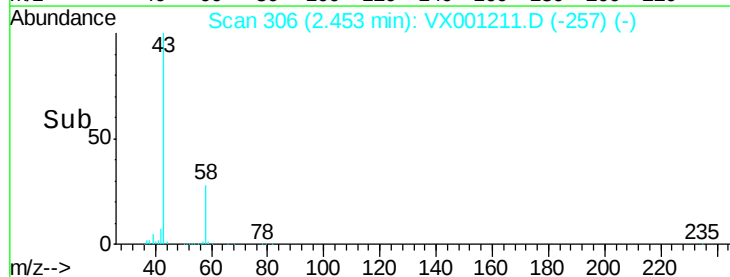
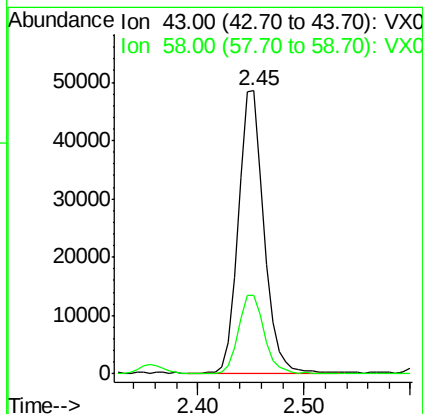
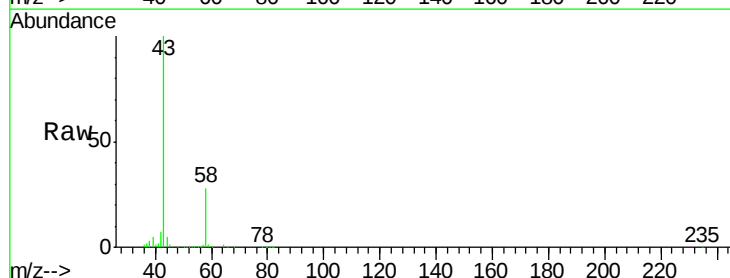
Acq: 28 Apr 2018 14:13

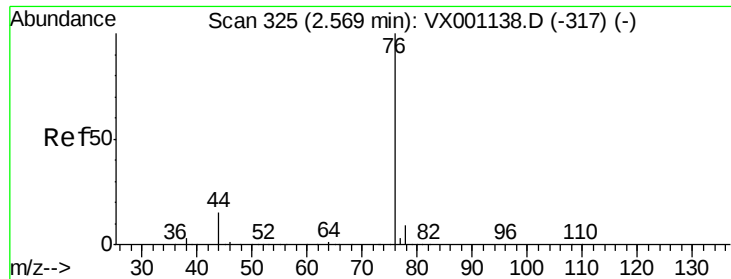
Tgt Ion: 43 Resp: 82130

Ion Ratio Lower Upper

43 100

58 27.7 23.0 34.6

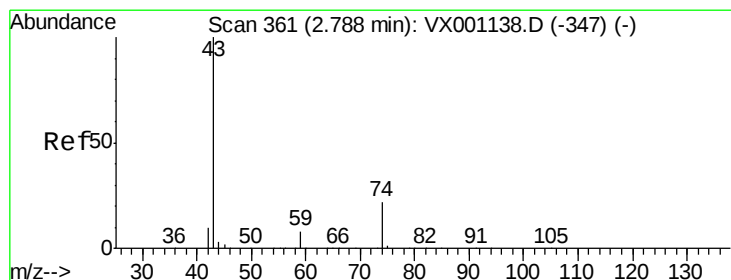
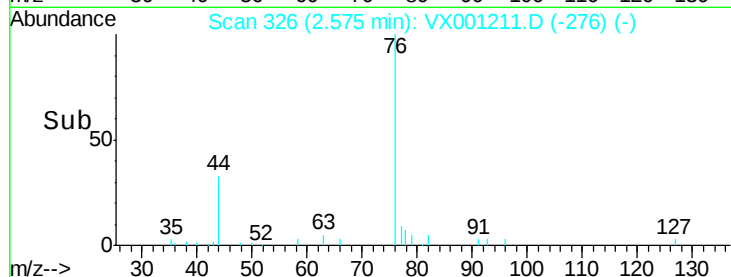
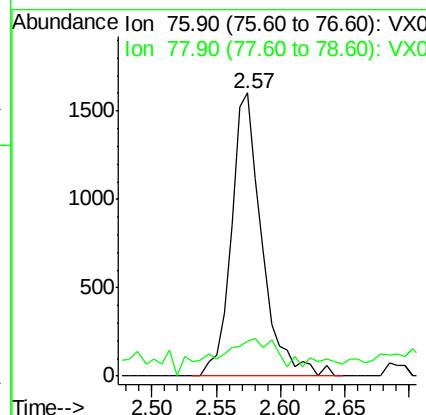
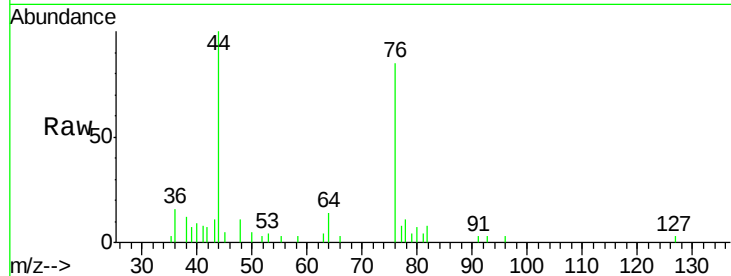




#17  
Carbon Disulfide  
Concen: 0.57 ug/l  
RT: 2.57 min Scan# 326  
Delta R.T. 0.01 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

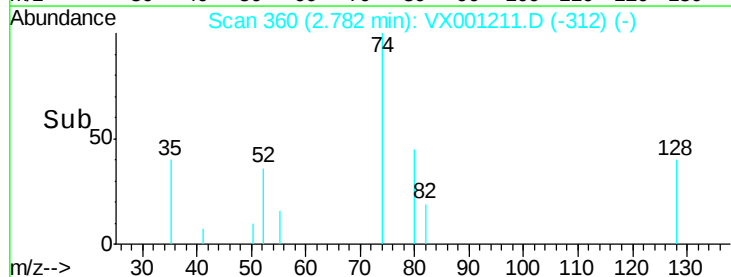
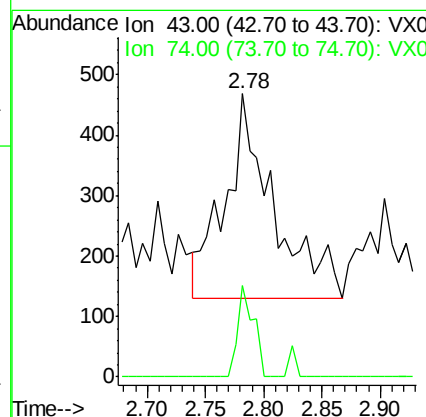
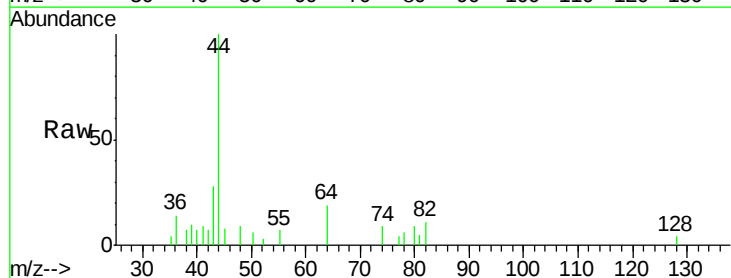
Instrument :  
MSVOA\_X  
ClientSampleId :  
LS-UB-102

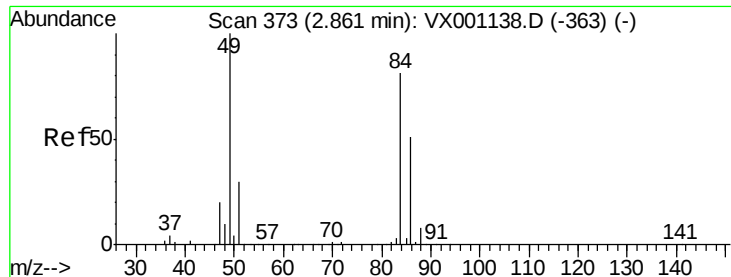
Tgt Ion: 76 Resp: 2656  
Ion Ratio Lower Upper  
76 100  
78 8.1 7.3 10.9



#18  
Methyl Acetate  
Concen: 0.34 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. -0.01 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Tgt Ion: 43 Resp: 969  
Ion Ratio Lower Upper  
43 100  
74 15.0 18.1 27.1#

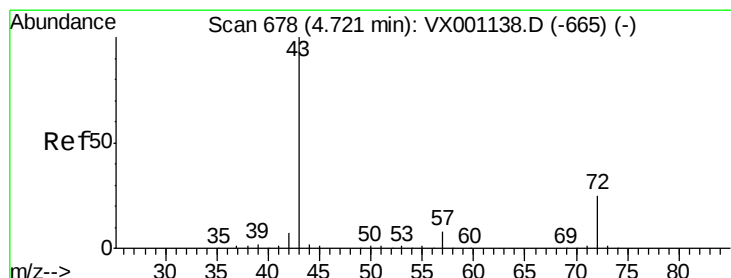
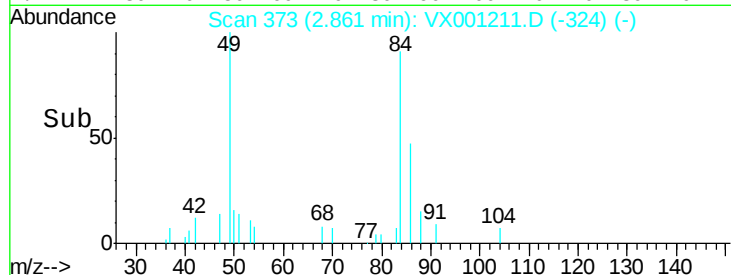
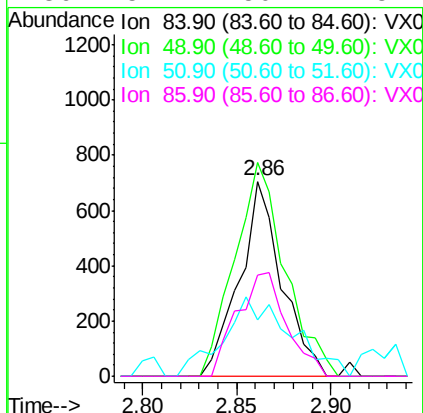
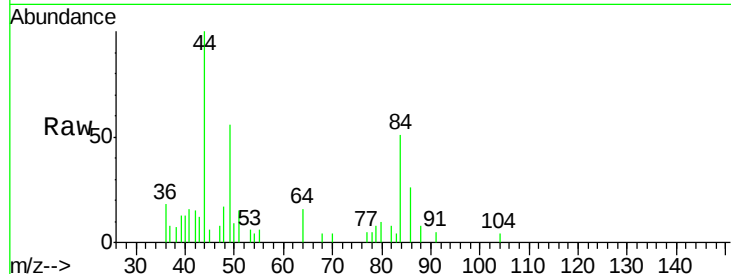




#20  
Methylene Chloride  
Concen: 0.52 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. -0.00 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

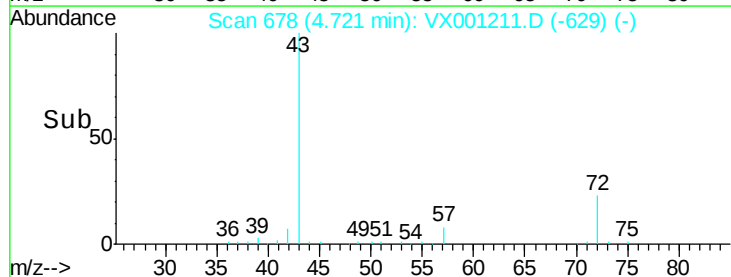
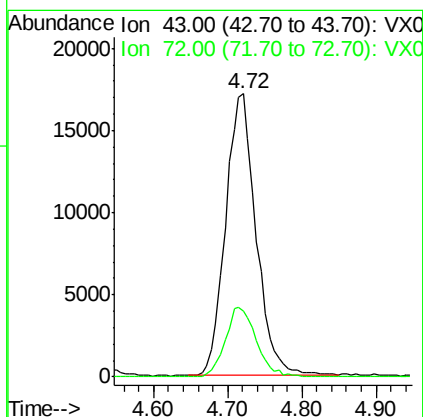
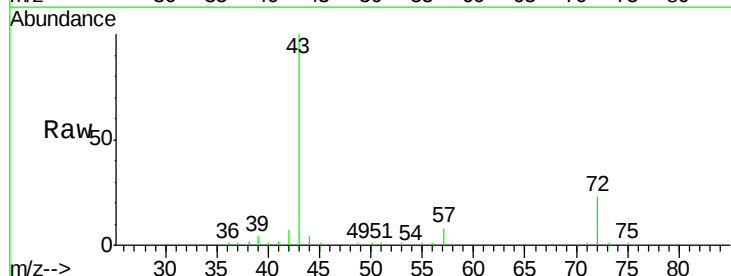
Instrument :  
MSVOA\_X  
ClientSampleId :  
LS-UB-102

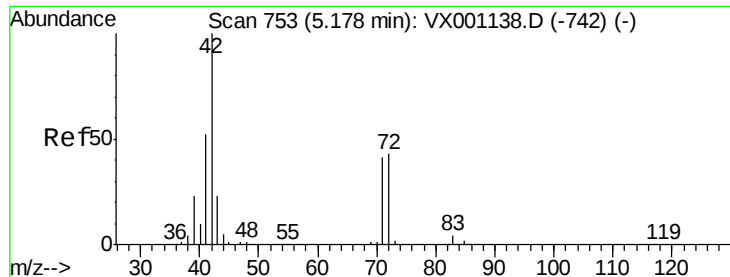
Tgt Ion: 84 Resp: 1099  
Ion Ratio Lower Upper  
84 100  
49 109.5 99.2 148.8  
51 20.7 29.5 44.3#  
86 51.7 50.2 75.2



#25  
2-Butanone  
Concen: 28.78 ug/l  
RT: 4.72 min Scan# 678  
Delta R.T. -0.00 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Tgt Ion: 43 Resp: 49293  
Ion Ratio Lower Upper  
43 100  
72 23.2 20.0 30.0





#29

Tetrahydrofuran

Concen: 29.38 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampled :

LS-UB-102

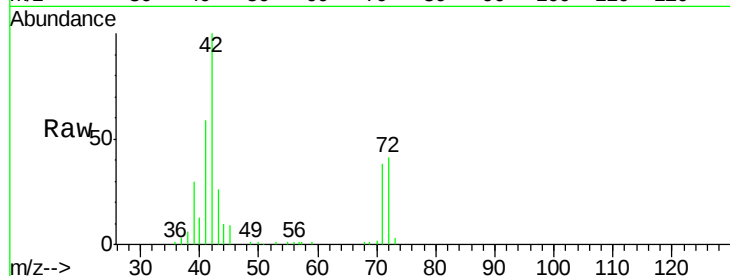
Tgt Ion: 42 Resp: 32356

Ion Ratio Lower Upper

42 100

72 41.3 34.4 51.6

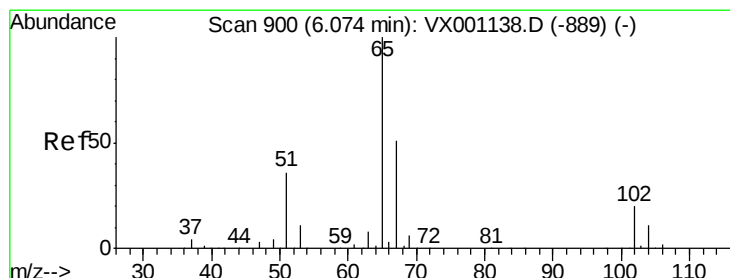
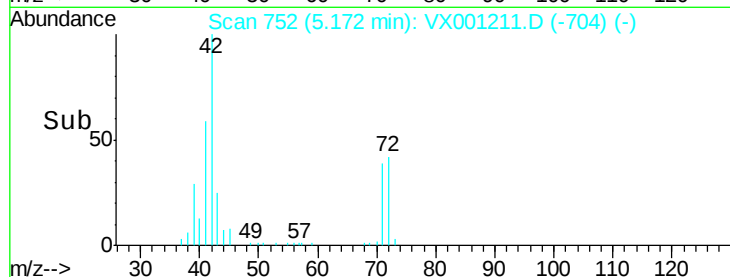
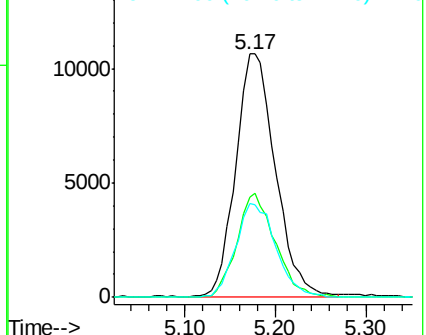
71 39.0 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 41.50 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001211.D

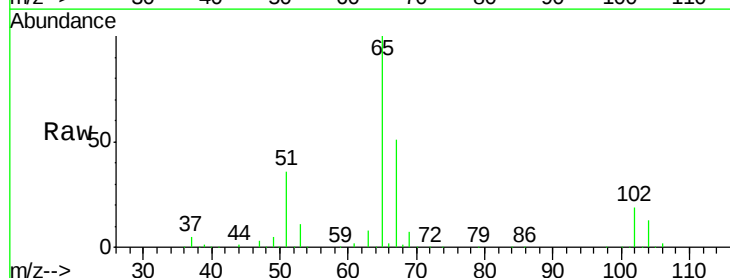
Acq: 28 Apr 2018 14:13

Tgt Ion: 65 Resp: 115513

Ion Ratio Lower Upper

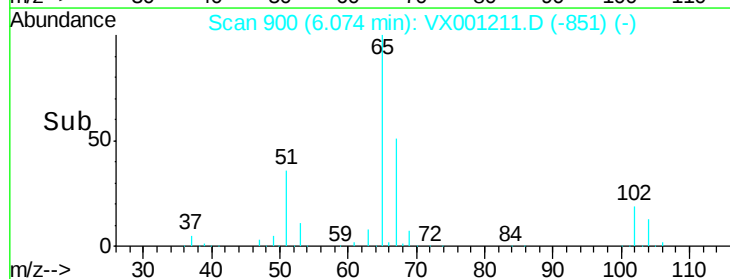
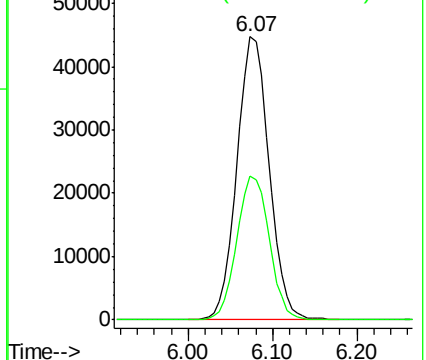
65 100

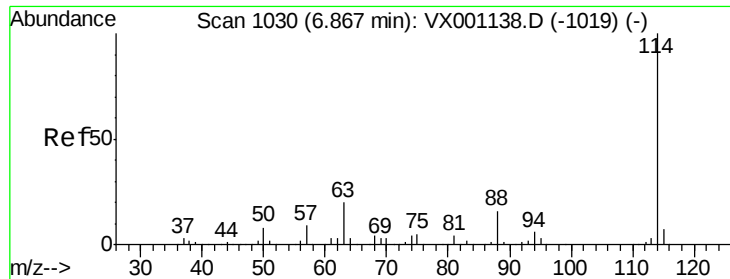
67 51.2 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

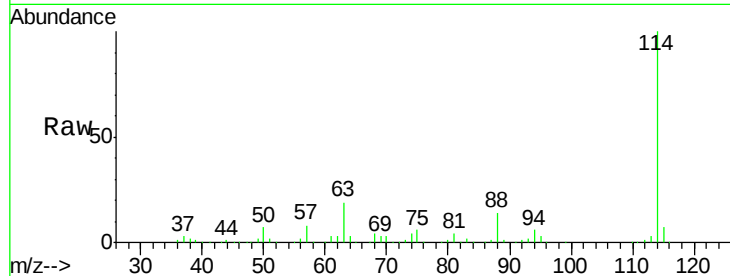




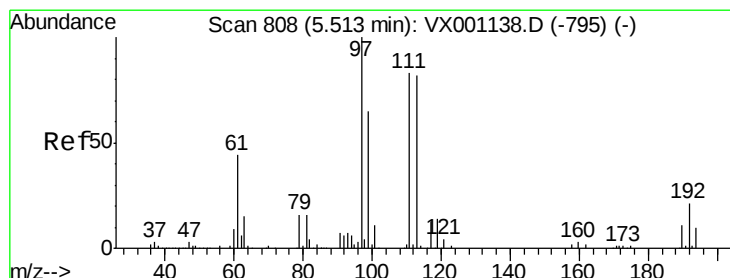
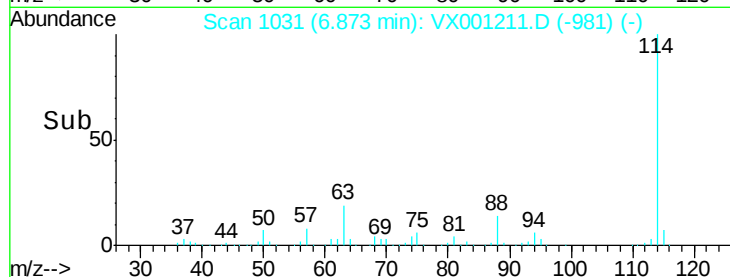
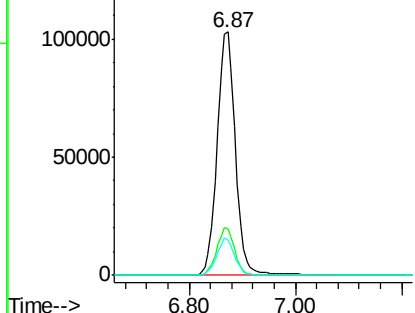
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1031  
 Delta R.T. 0.01 min  
 Lab File: VX001211.D  
 Acq: 28 Apr 2018 14:13

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 LS-UB-102

Tgt Ion:114 Resp: 248258  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 40.4  
 88 14.3 0.0 31.8

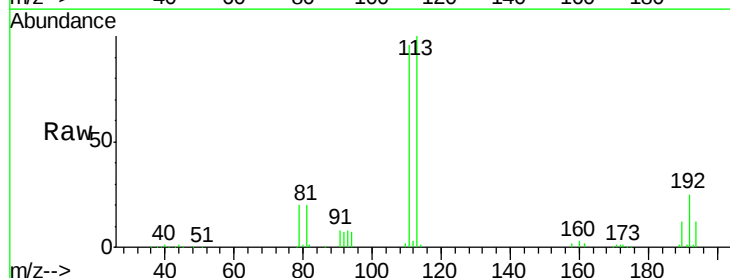


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX  
 Ion 87.90 (87.60 to 88.60): VX

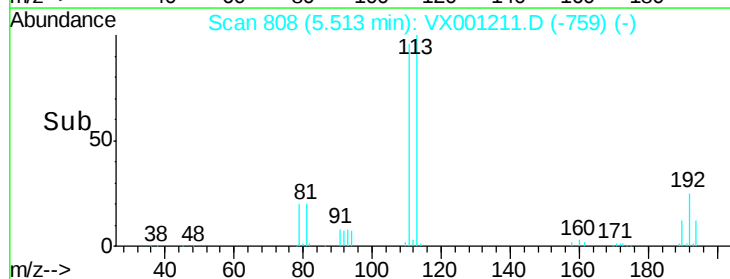
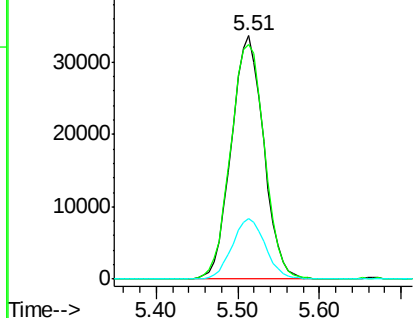


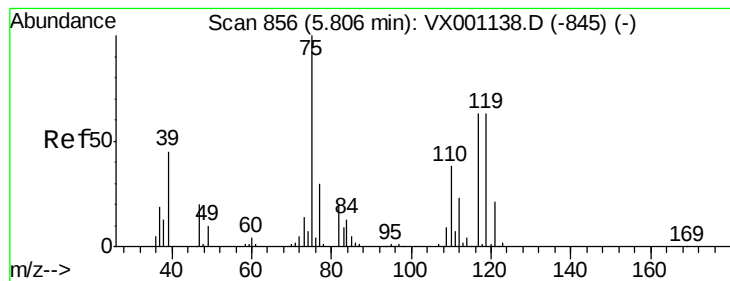
#35  
 Dibromofluoromethane  
 Concen: 44.89 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: VX001211.D  
 Acq: 28 Apr 2018 14:13

Tgt Ion:113 Resp: 92241  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 82.2 123.4  
 192 25.5 20.6 30.8



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: 4.12 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampled :

LS-UB-102

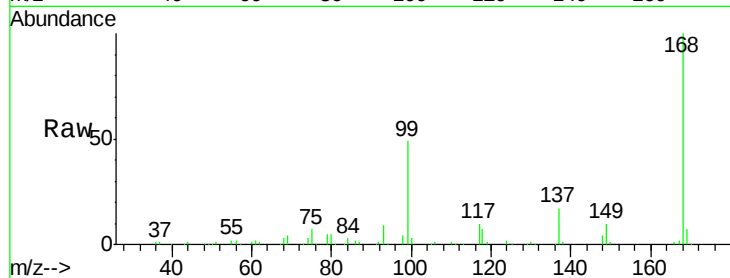
Tgt Ion: 75 Resp: 11268

Ion Ratio Lower Upper

75 100

110 10.0 19.0 57.0#

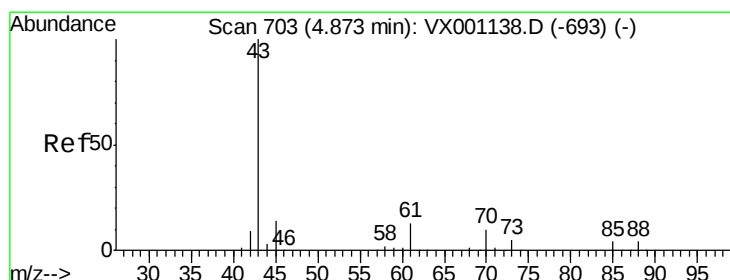
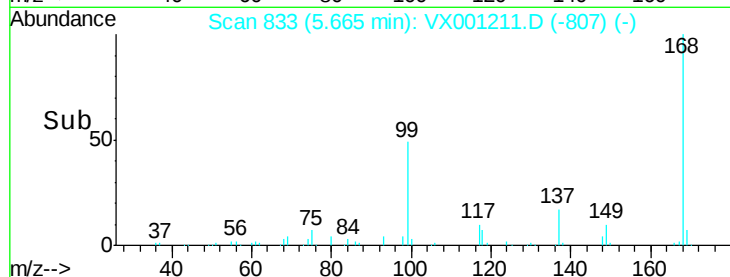
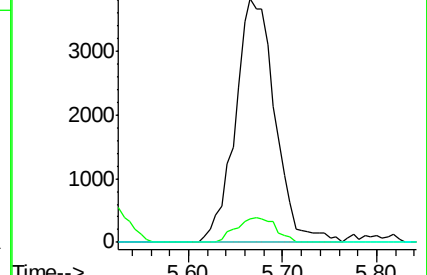
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 15.05 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.15 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

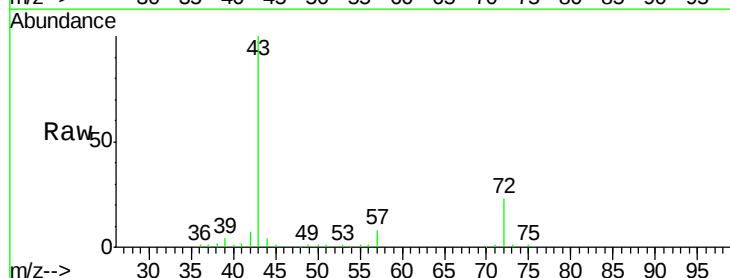
Tgt Ion: 43 Resp: 49293

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

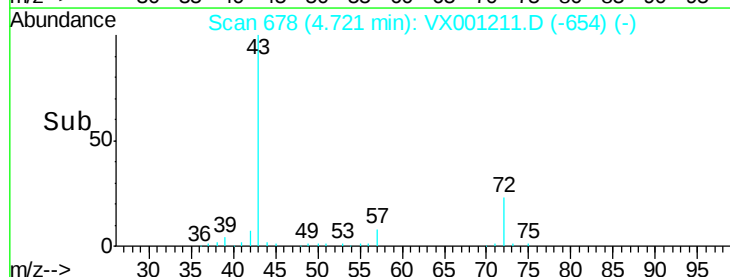
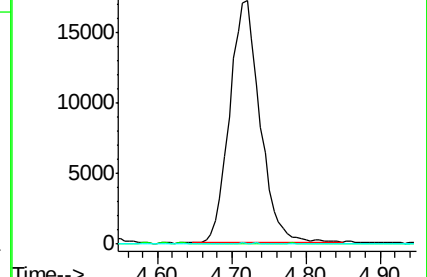
70 0.2 8.2 12.2#

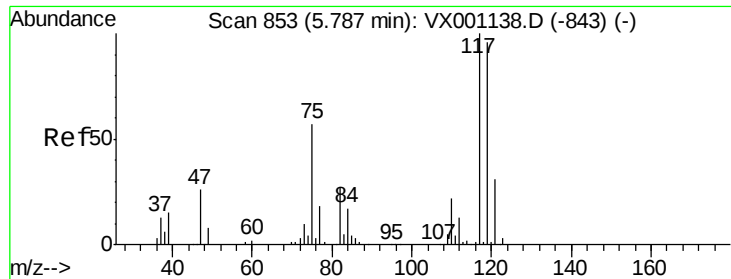


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 5.69 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampled :

LS-UB-102

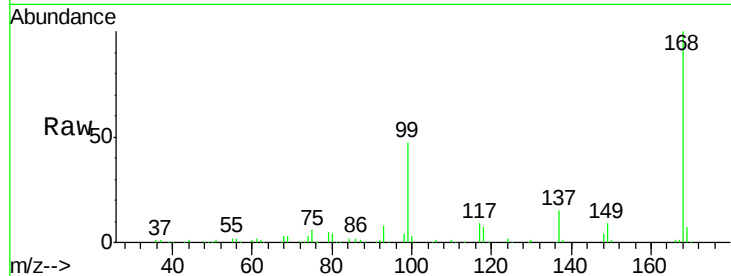
Tgt Ion: 117 Resp: 15961

Ion Ratio Lower Upper

117 100

119 5.2 76.5 114.7#

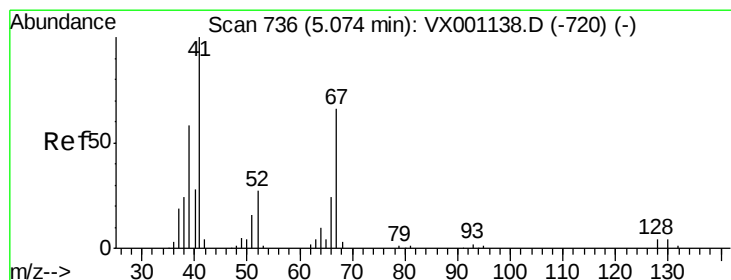
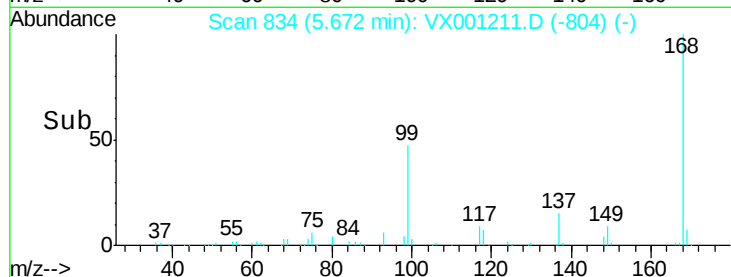
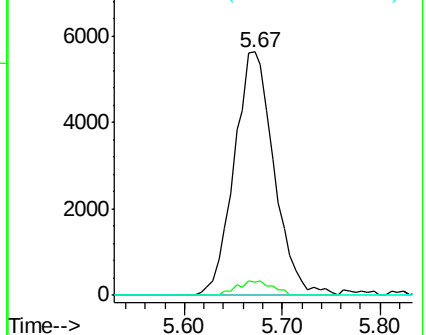
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 11.55 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.10 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Tgt Ion: 41 Resp: 21261

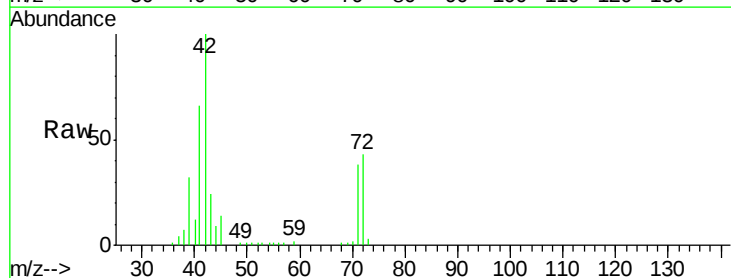
Ion Ratio Lower Upper

41 100

39 51.7 45.9 68.9

67 0.0 53.2 79.8#

52 0.1 23.1 34.7#

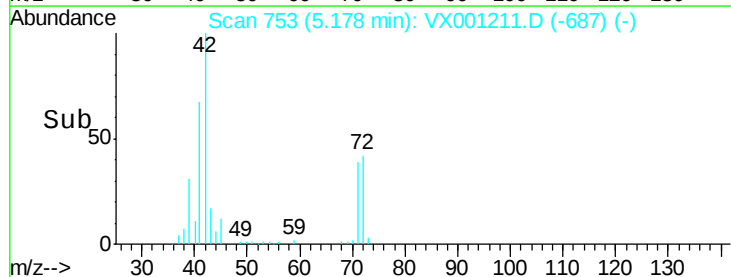
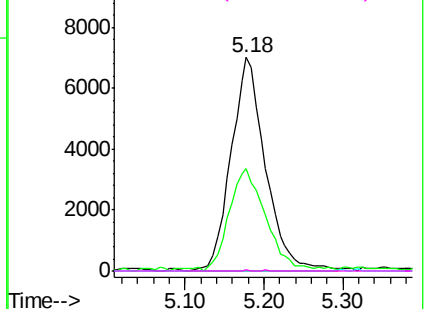


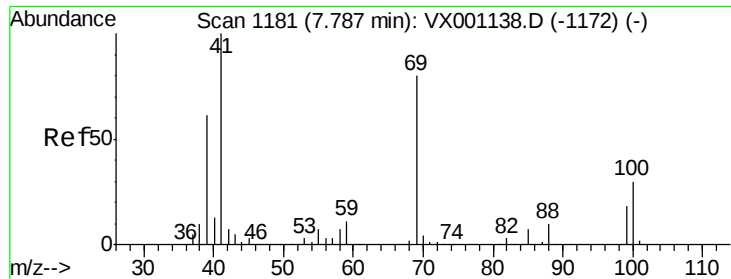
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

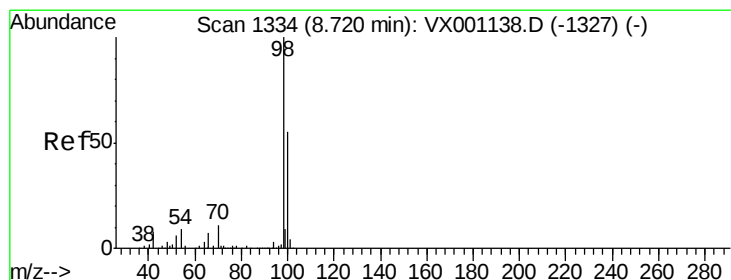
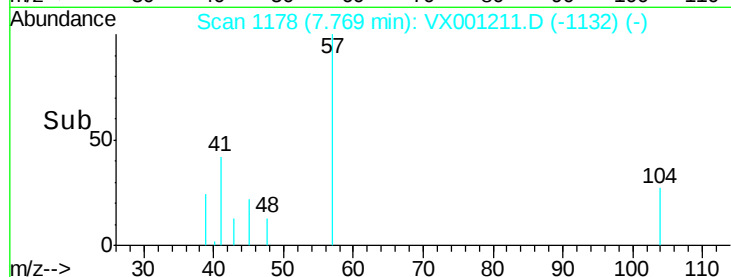
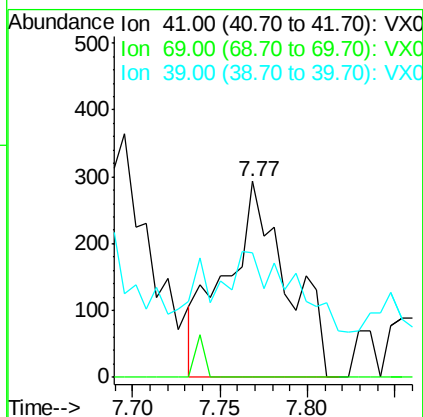
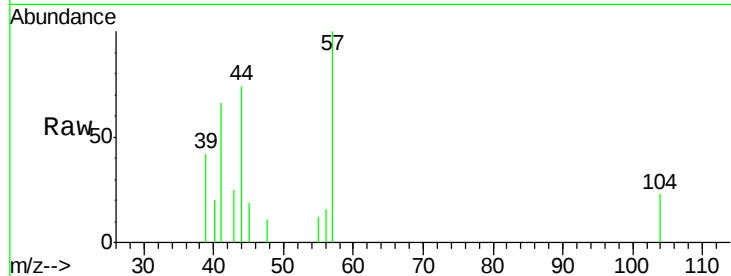




#48  
Methyl methacrylate  
Concen: 0.26 ug/l  
RT: 7.77 min Scan# 1178  
Delta R.T. -0.02 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

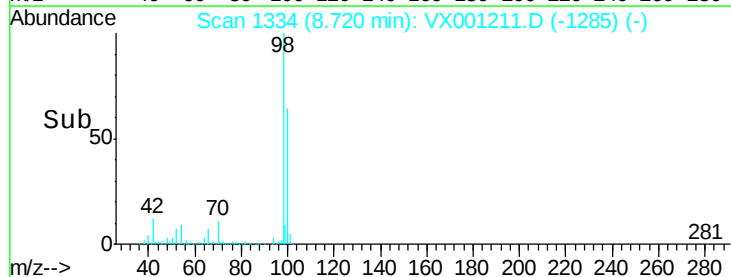
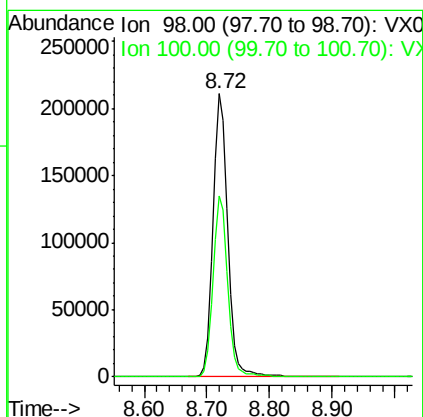
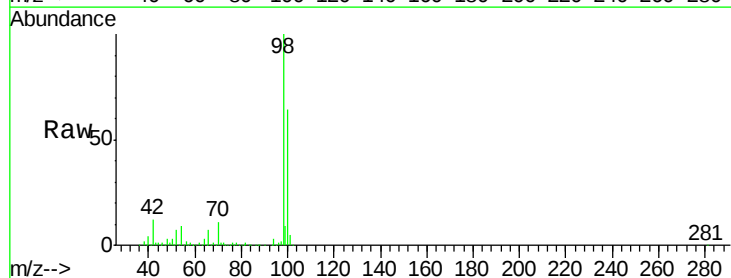
Instrument :  
MSVOA\_X  
ClientSampleId :  
LS-UB-102

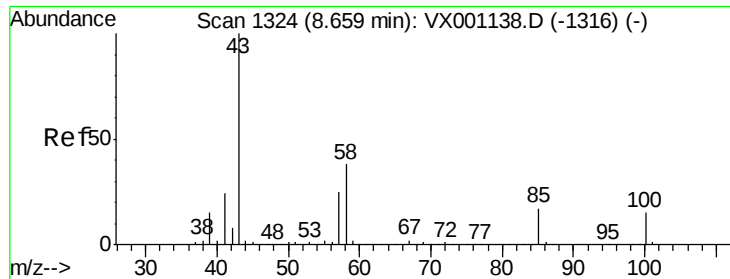
Tgt Ion: 41 Resp: 718  
Ion Ratio Lower Upper  
41 100  
69 0.0 62.4 93.6#  
39 37.7 48.7 73.1#



#50  
Toluene-d8  
Concen: 44.40 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Tgt Ion: 98 Resp: 344272  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 1.32 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampleId :

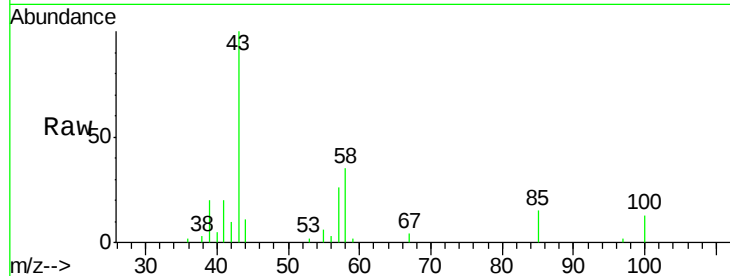
LS-UB-102

Tgt Ion: 43 Resp: 4470

Ion Ratio Lower Upper

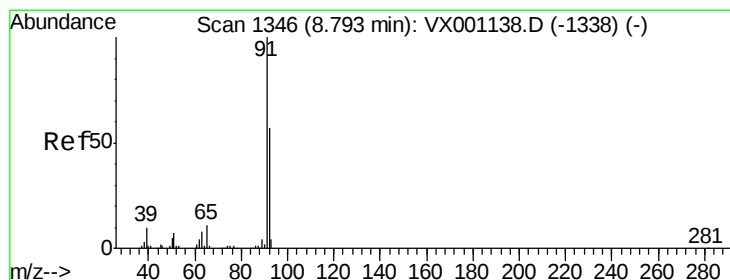
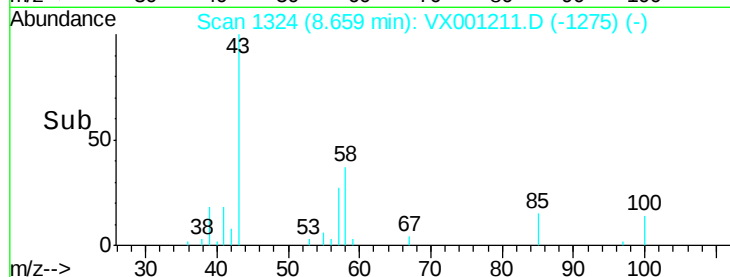
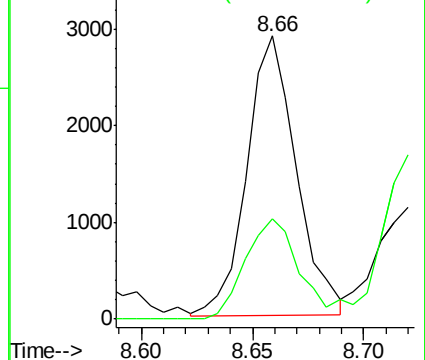
43 100

58 41.0 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 8.08 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VX001211.D

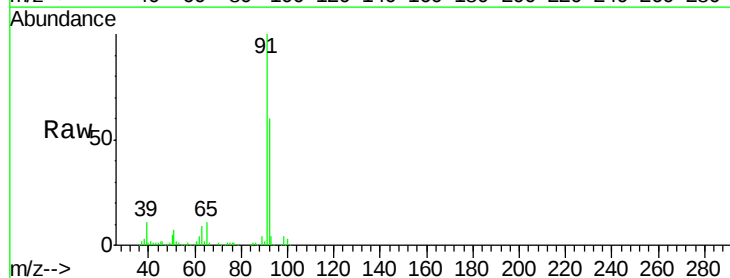
Acq: 28 Apr 2018 14:13

Tgt Ion: 92 Resp: 41816

Ion Ratio Lower Upper

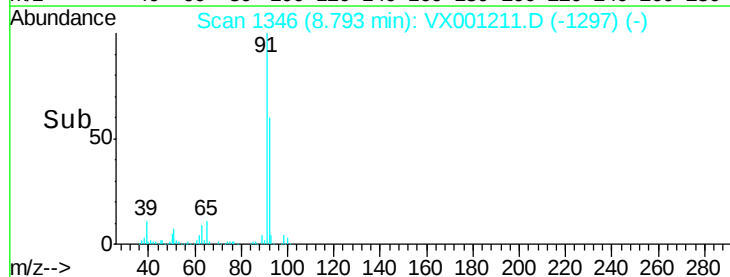
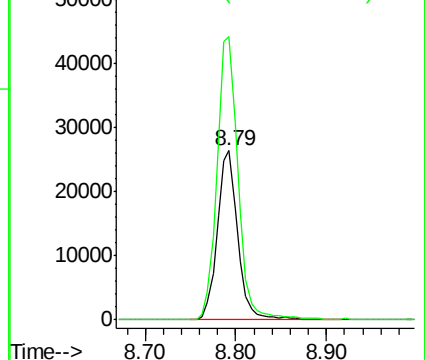
92 100

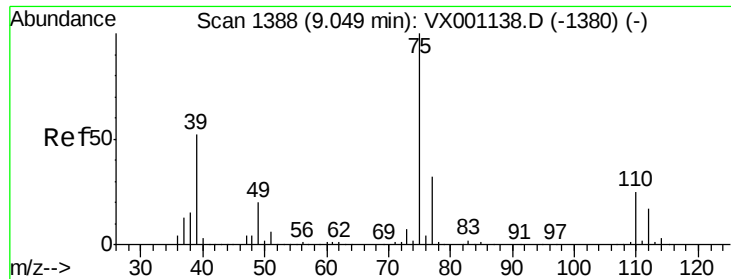
91 172.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#54

cis-1,3-Dichloropropene

Concen: 3.21 ug/l

RT: 9.06 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampleId :

LS-UB-102

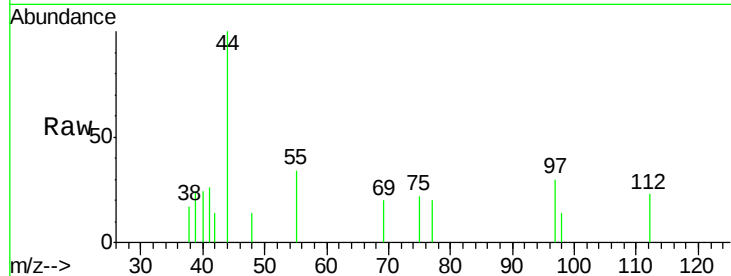
Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

75 100

77 94.9 25.4 38.2#

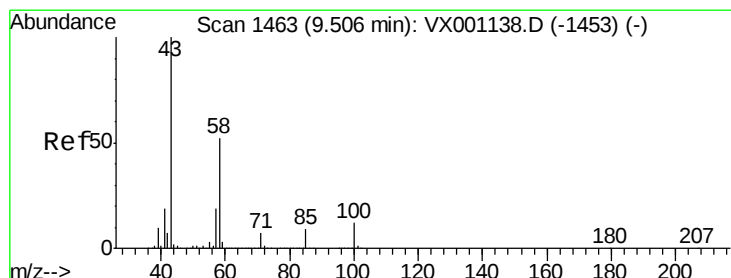
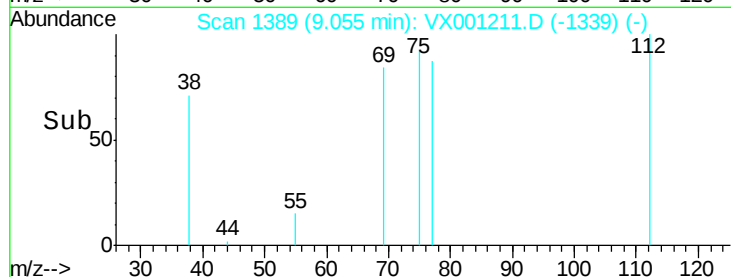
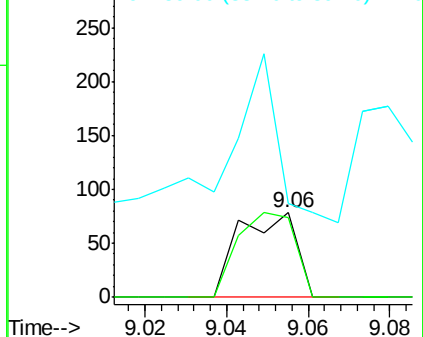
39 23.1 42.0 63.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 0.44 ug/l

RT: 9.51 min Scan# 1463

Delta R.T. -0.00 min

Lab File: VX001211.D

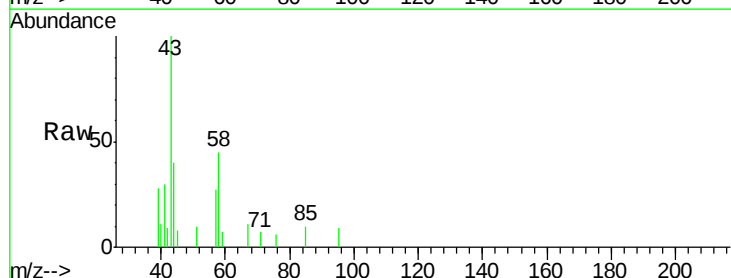
Acq: 28 Apr 2018 14:13

Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

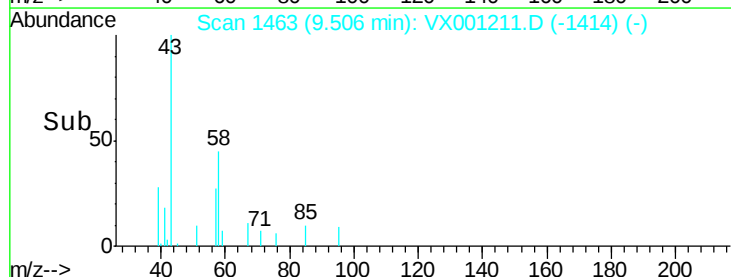
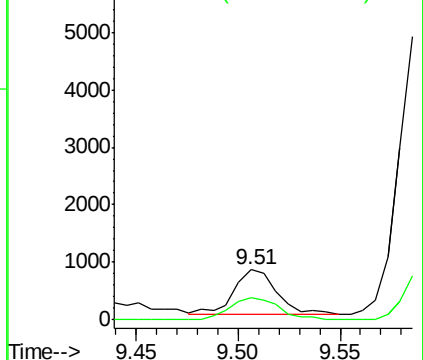
43 100

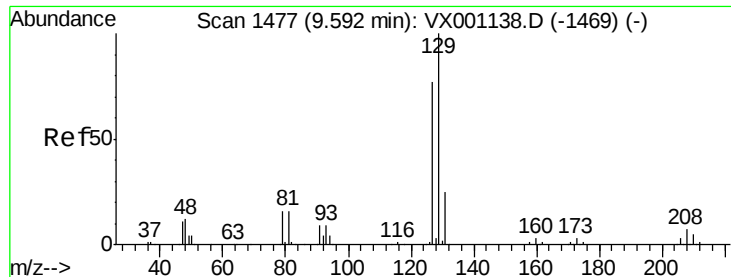
58 56.2 25.8 77.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 3.37 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. -0.24 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampleId :

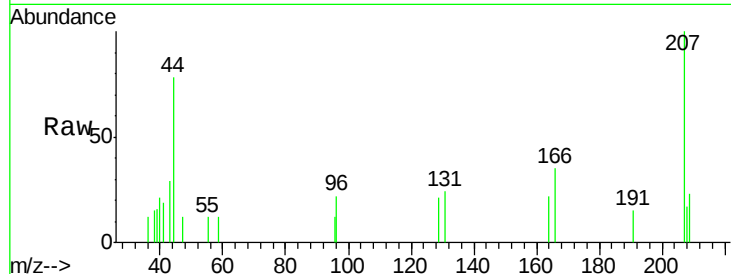
LS-UB-102

Tgt Ion: 129 Resp: 54

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

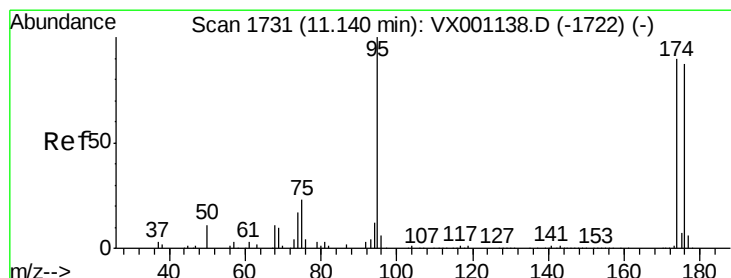
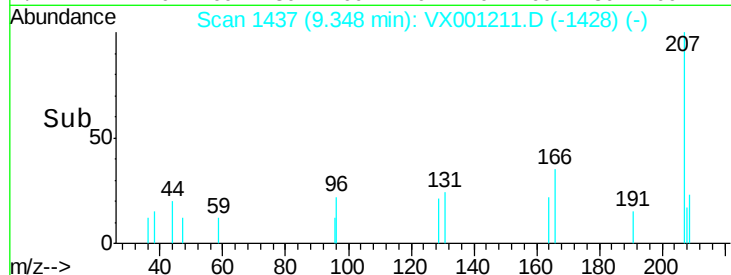


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.35

Time-->



#62

4-Bromofluorobenzene

Concen: 39.93 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

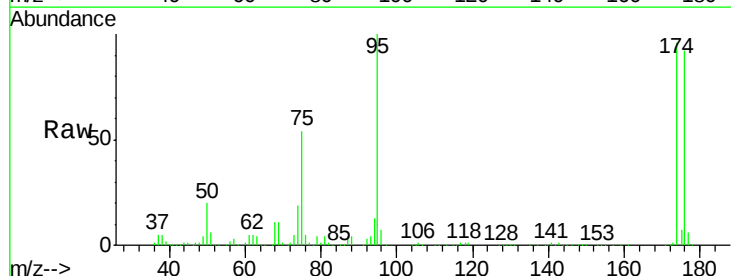
Tgt Ion: 95 Resp: 120949

Ion Ratio Lower Upper

95 100

174 101.4 0.0 194.4

176 98.2 0.0 190.2



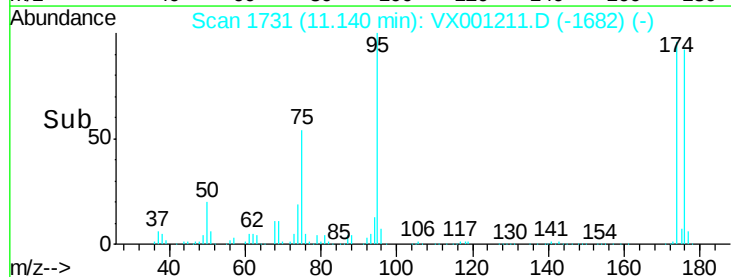
Abundance Ion 94.90 (94.60 to 95.60): VX0

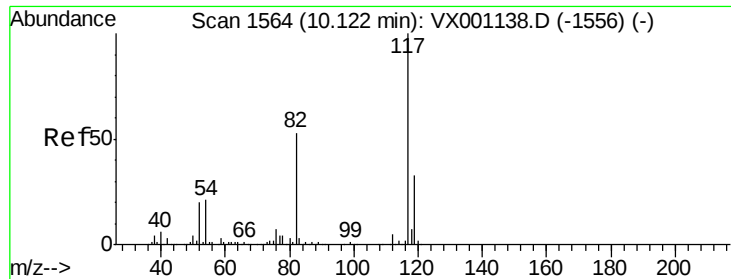
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->

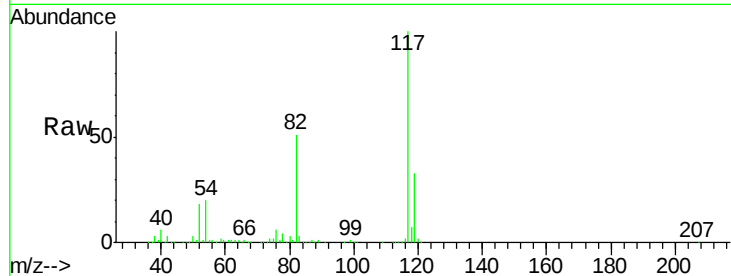




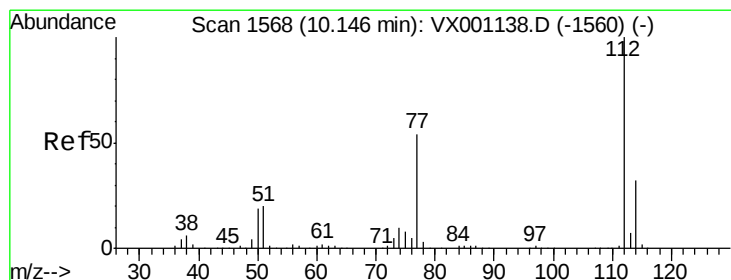
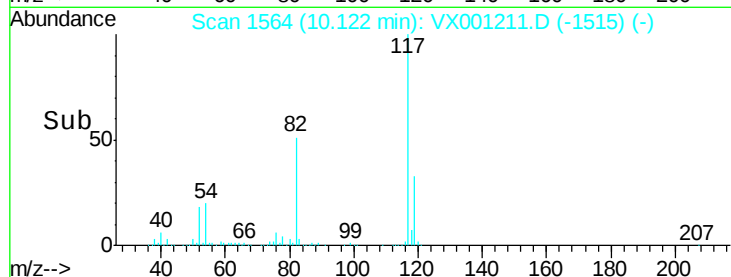
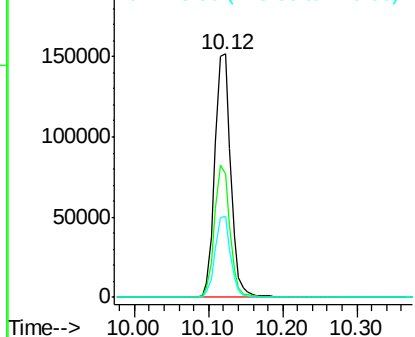
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
LS-UB-102

Tgt Ion:117 Resp: 222466  
Ion Ratio Lower Upper  
117 100  
82 50.8 42.1 63.1  
119 33.1 26.1 39.1

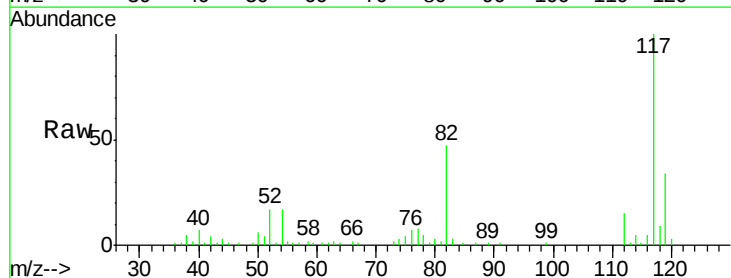


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

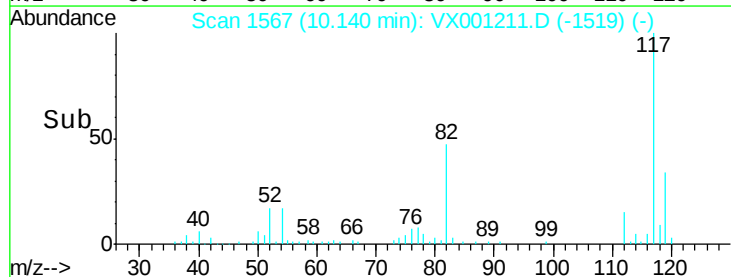
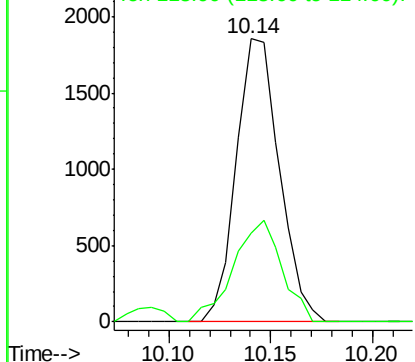


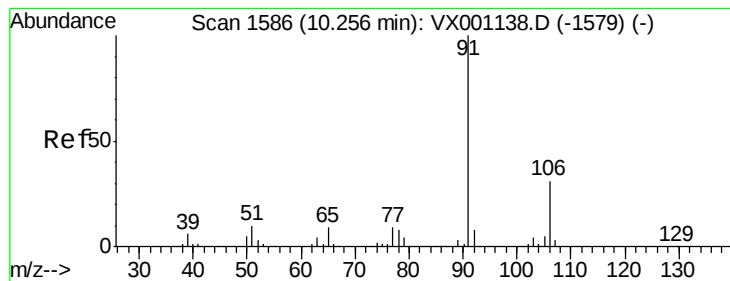
#65  
Chlorobenzene  
Concen: 0.47 ug/l  
RT: 10.14 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Tgt Ion:112 Resp: 2731  
Ion Ratio Lower Upper  
112 100  
114 31.5 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V  
Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.24 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampleId :

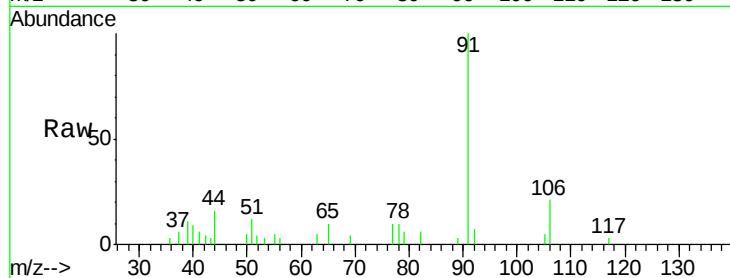
LS-UB-102

Tgt Ion: 91 Resp: 2243

Ion Ratio Lower Upper

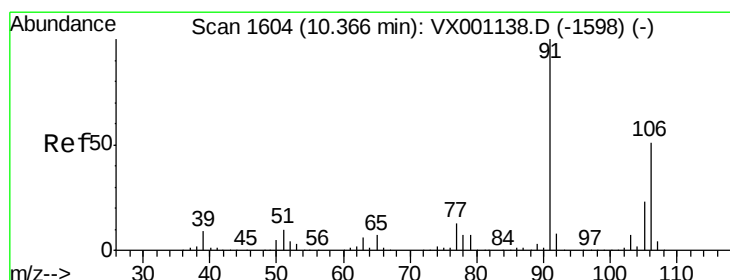
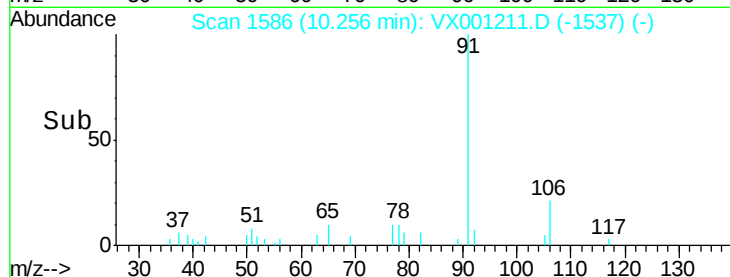
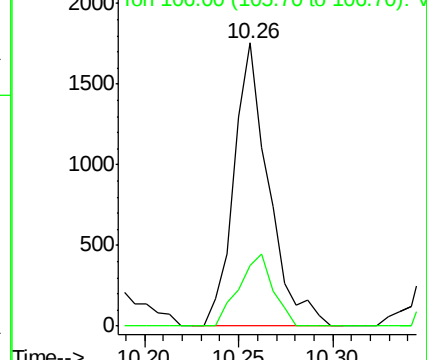
91 100

106 21.4 24.8 37.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 0.32 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX001211.D

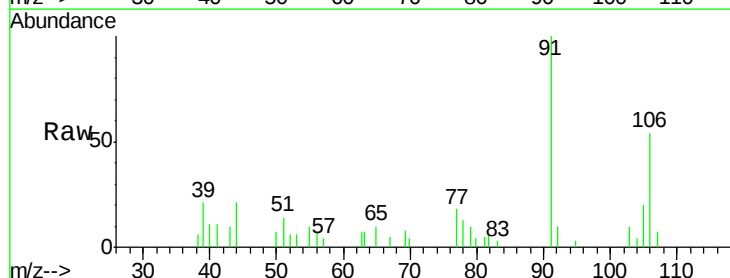
Acq: 28 Apr 2018 14:13

Tgt Ion: 106 Resp: 1180

Ion Ratio Lower Upper

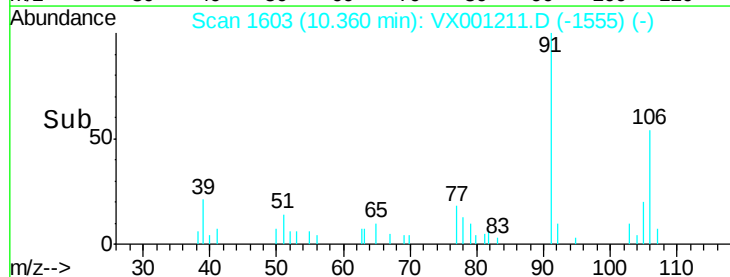
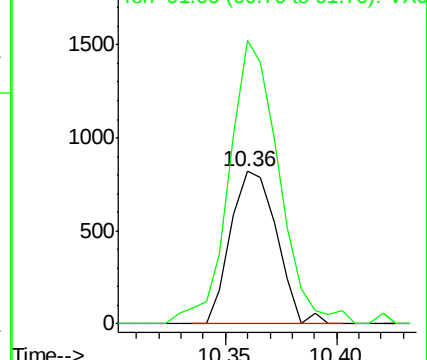
106 100

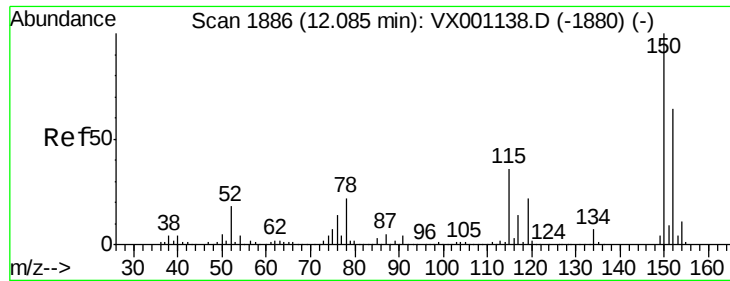
91 200.7 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampleId :

LS-UB-102

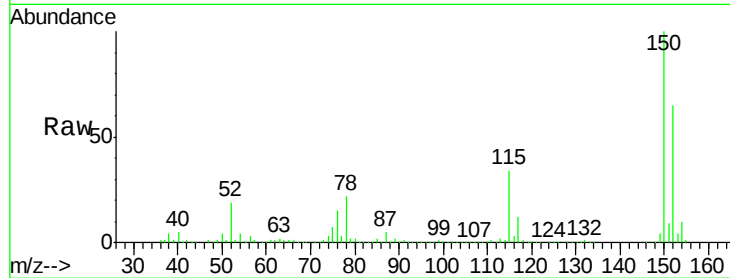
Tgt Ion:152 Resp: 130912

Ion Ratio Lower Upper

152 100

115 53.2 38.0 114.0

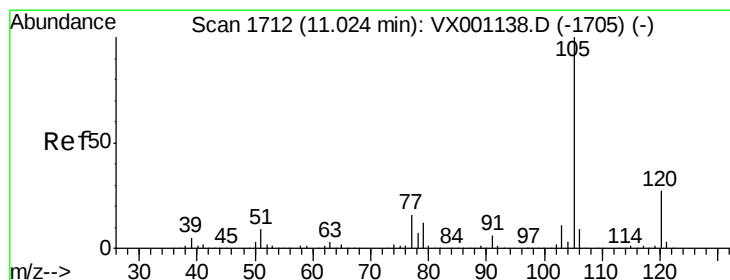
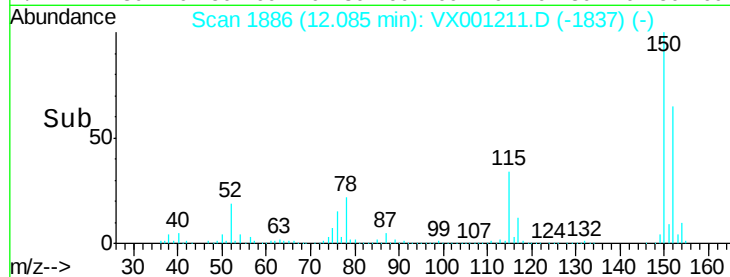
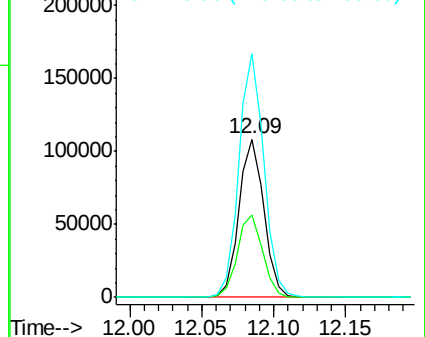
150 154.5 0.0 349.6



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: 10.08 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX001211.D

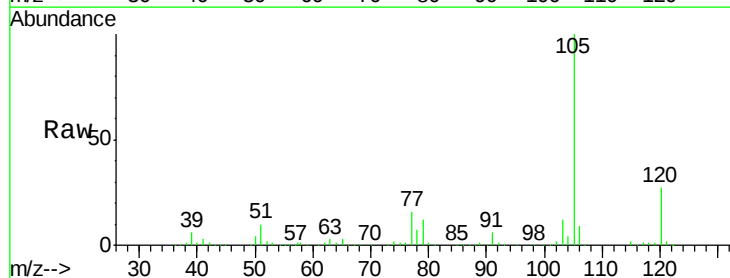
Acq: 28 Apr 2018 14:13

Tgt Ion:105 Resp: 86030

Ion Ratio Lower Upper

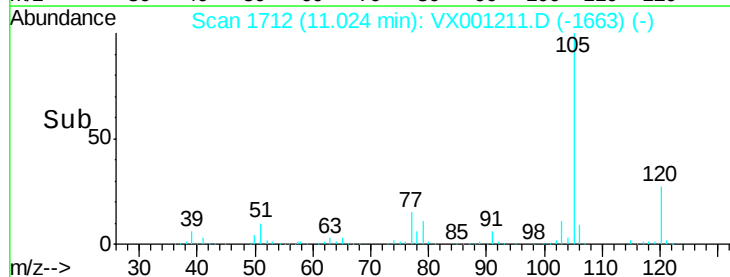
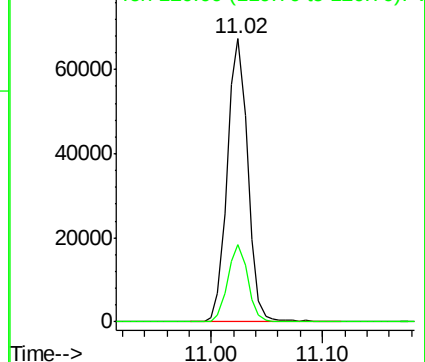
105 100

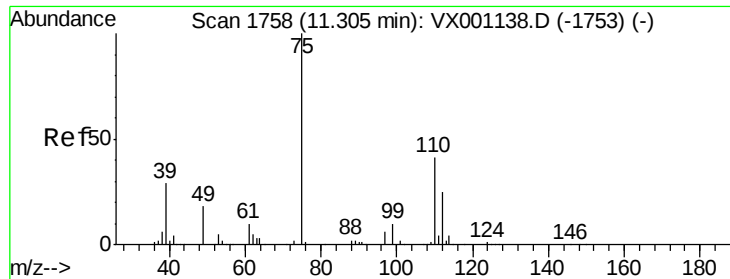
120 26.9 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

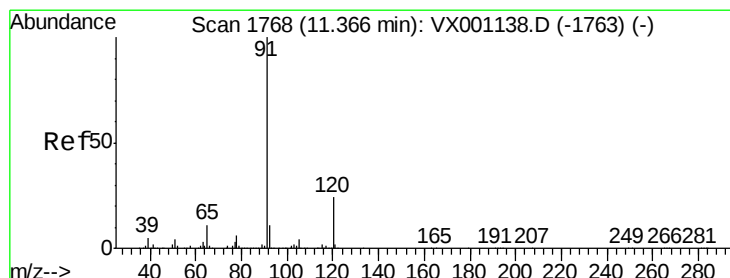
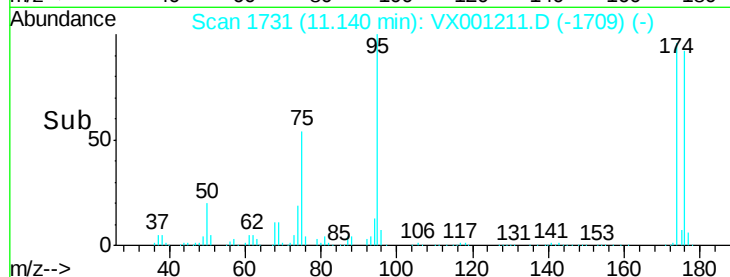
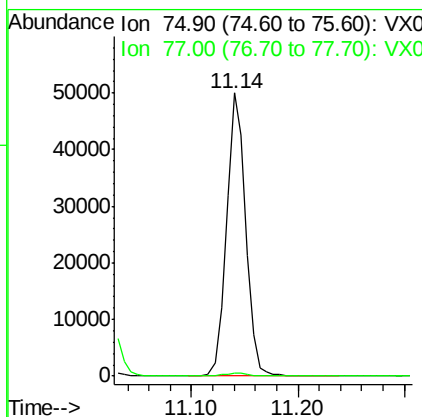
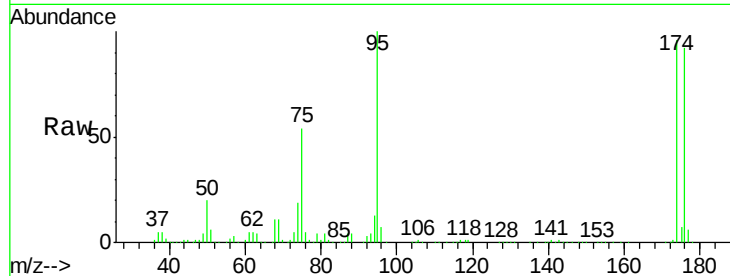




#76  
1,2,3-Trichloropropane  
Concen: 23.57 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. -0.16 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

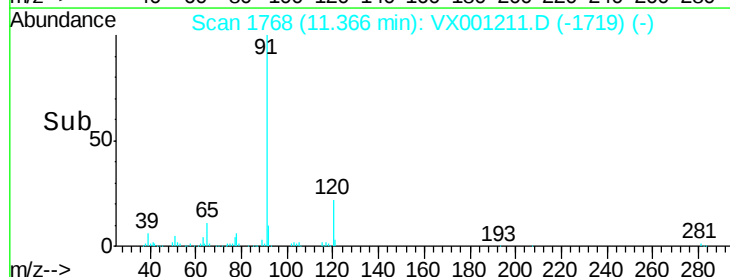
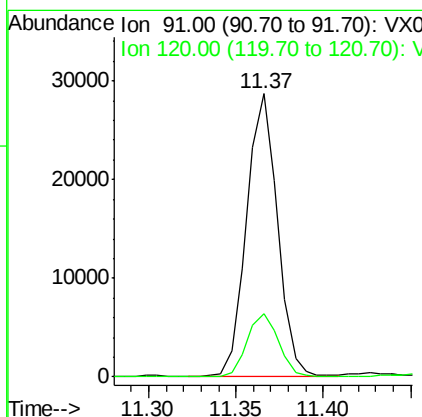
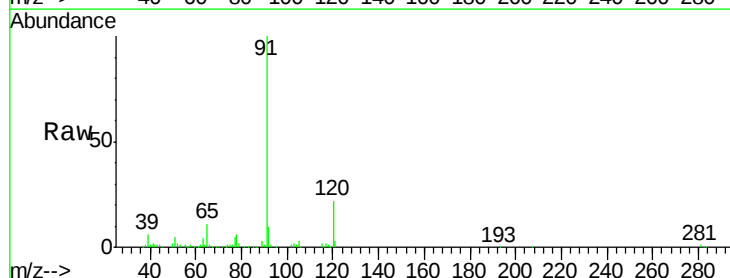
Instrument :  
MSVOA\_X  
ClientSampled :  
LS-UB-102

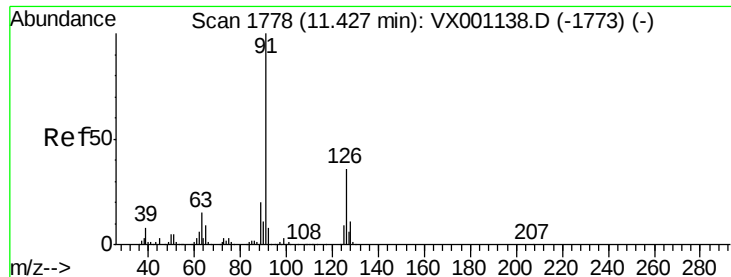
Tgt Ion: 75 Resp: 62828  
Ion Ratio Lower Upper  
75 100  
77 1.1 18.9 56.9#



#78  
n-propylbenzene  
Concen: 3.69 ug/l  
RT: 11.37 min Scan# 1768  
Delta R.T. -0.00 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Tgt Ion: 91 Resp: 35143  
Ion Ratio Lower Upper  
91 100  
120 22.9 12.2 36.6





#79

2-Chlorotoluene

Concen: 5.96 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.06 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampleId :

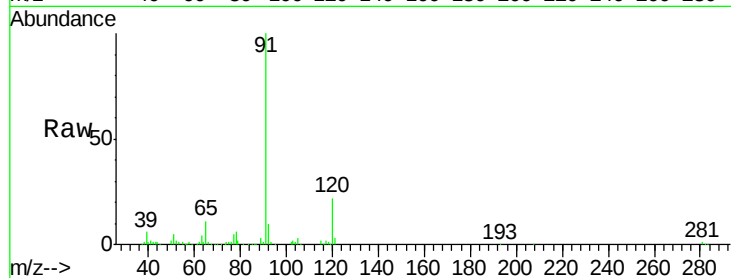
LS-UB-102

Tgt Ion: 91 Resp: 35143

Ion Ratio Lower Upper

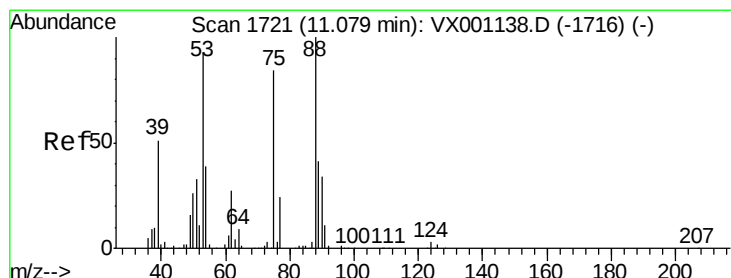
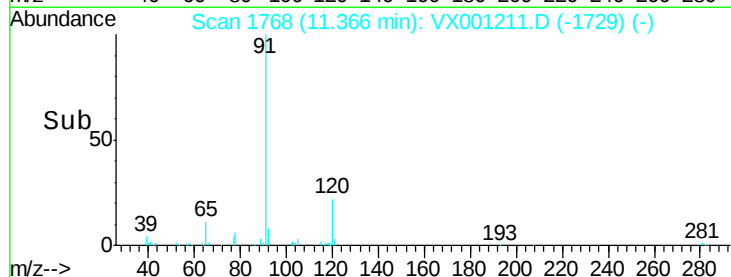
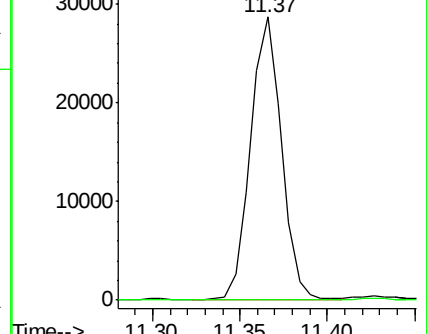
91 100

126 0.0 18.2 54.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 72.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

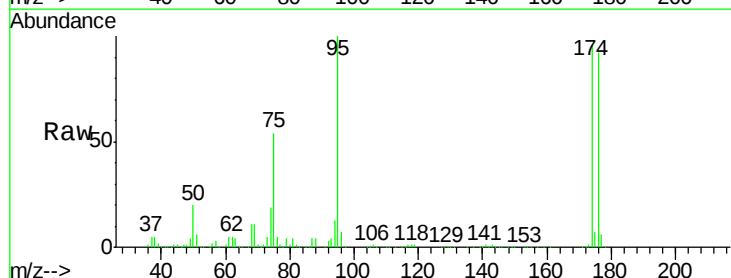
Tgt Ion: 75 Resp: 62828

Ion Ratio Lower Upper

75 100

53 0.3 87.9 131.9#

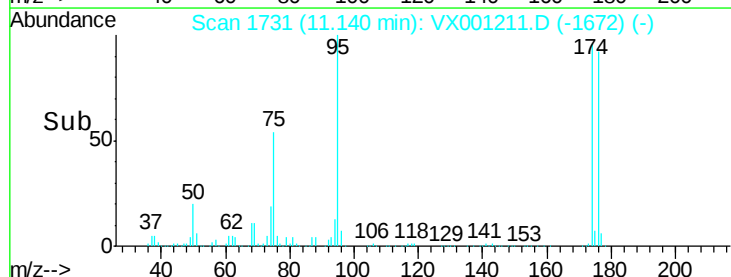
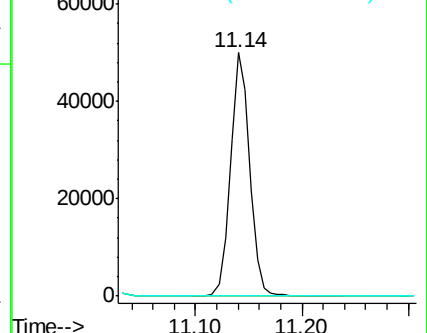
89 0.0 37.7 56.5#

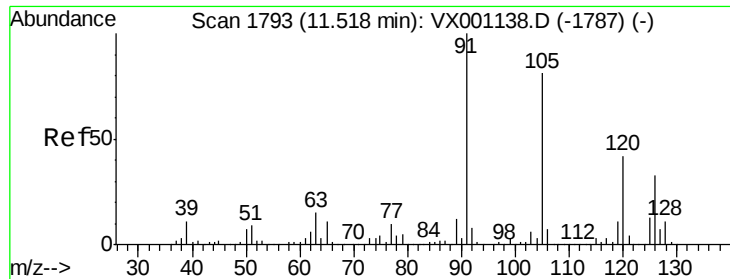


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

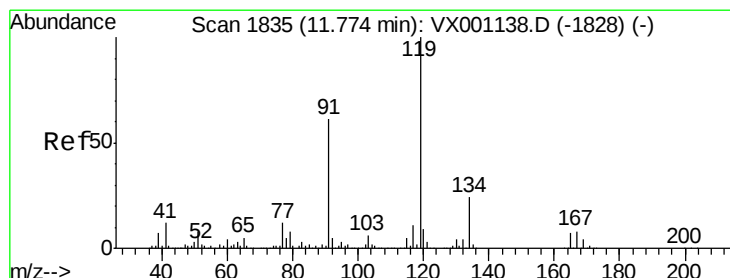
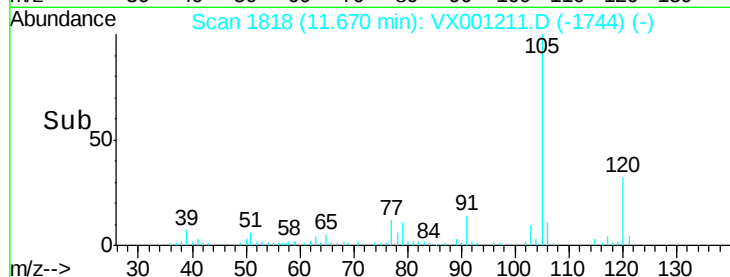
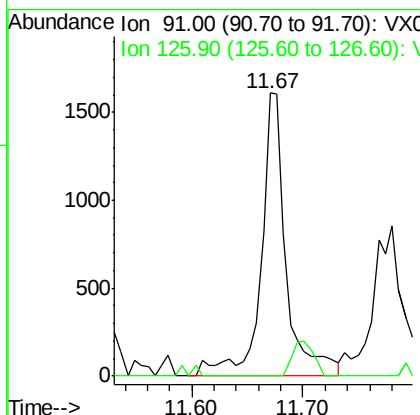
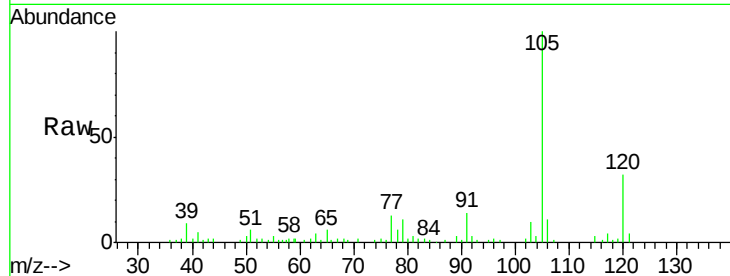




#82  
4-Chlorotoluene  
Concen: 0.36 ug/l  
RT: 11.67 min Scan# 1818  
Delta R.T. 0.15 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

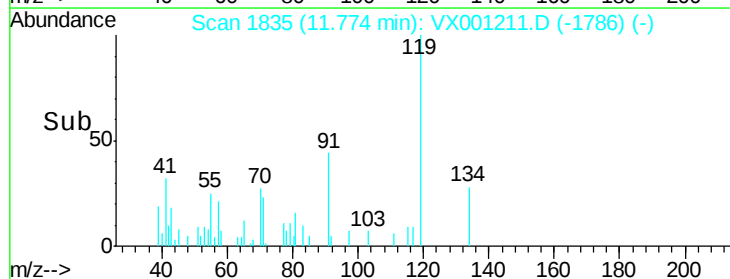
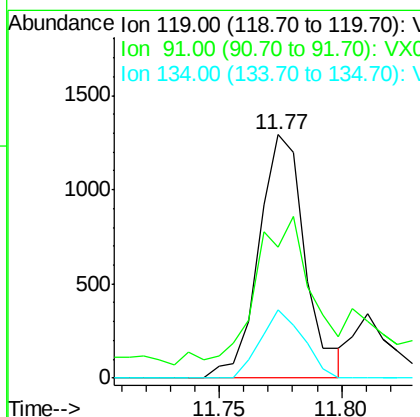
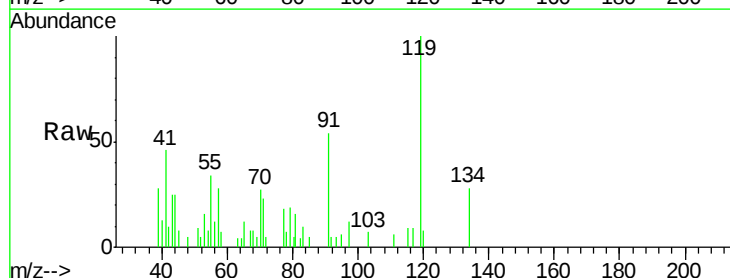
Instrument :  
MSVOA\_X  
ClientSampleId :  
LS-UB-102

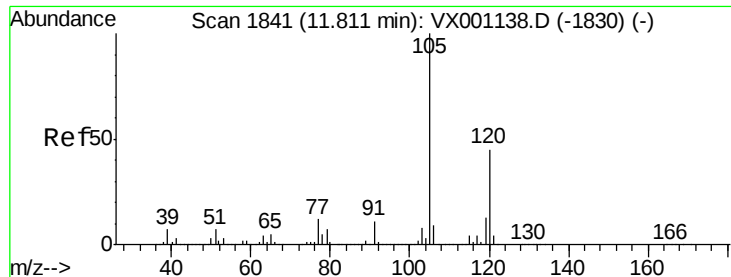
Tgt Ion: 91 Resp: 2555  
Ion Ratio Lower Upper  
91 100  
126 0.0 15.8 47.4#



#83  
tert-Butylbenzene  
Concen: 0.24 ug/l  
RT: 11.77 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Tgt Ion: 119 Resp: 1708  
Ion Ratio Lower Upper  
119 100  
91 73.0 27.6 82.8  
134 25.8 11.5 34.5

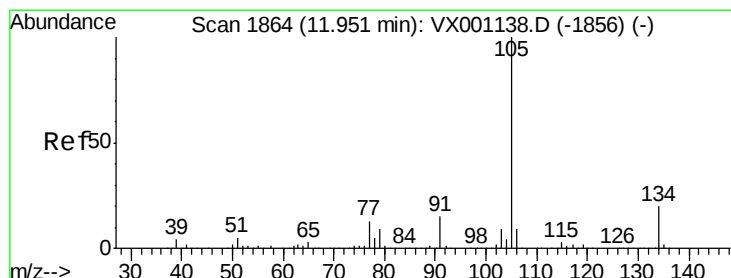
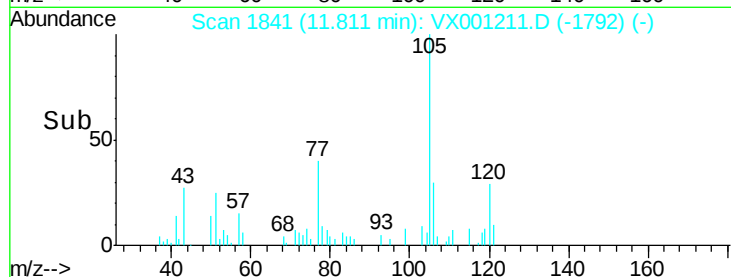
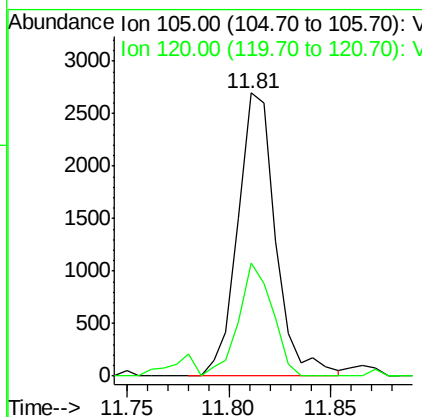
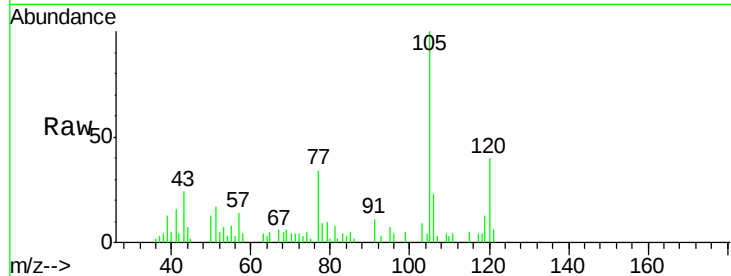




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.47 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. -0.00 min  
 Lab File: VX001211.D  
 Acq: 28 Apr 2018 14:13

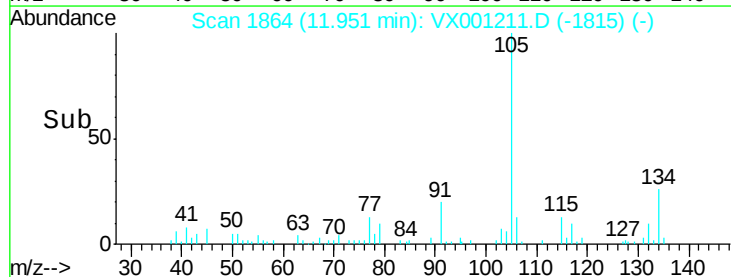
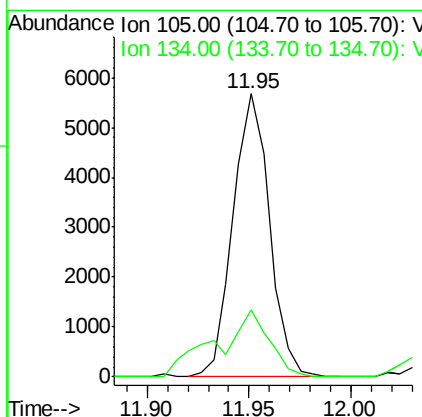
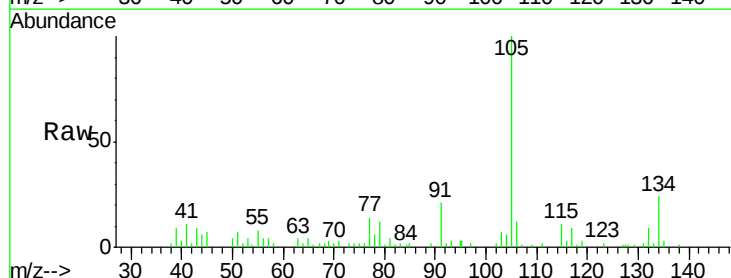
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LS-UB-102

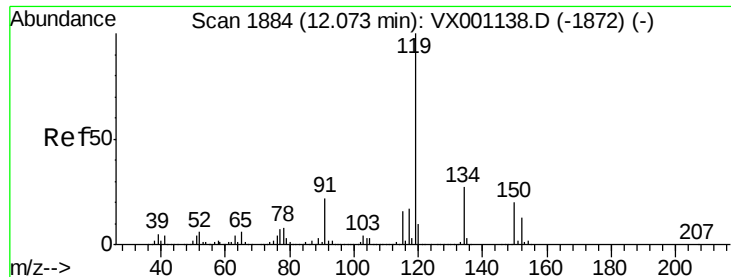
Tgt Ion:105 Resp: 3479  
 Ion Ratio Lower Upper  
 105 100  
 120 35.7 22.4 67.3



#85  
 sec-Butylbenzene  
 Concen: 0.84 ug/l  
 RT: 11.95 min Scan# 1864  
 Delta R.T. -0.00 min  
 Lab File: VX001211.D  
 Acq: 28 Apr 2018 14:13

Tgt Ion:105 Resp: 7045  
 Ion Ratio Lower Upper  
 105 100  
 134 34.5 10.5 31.5#

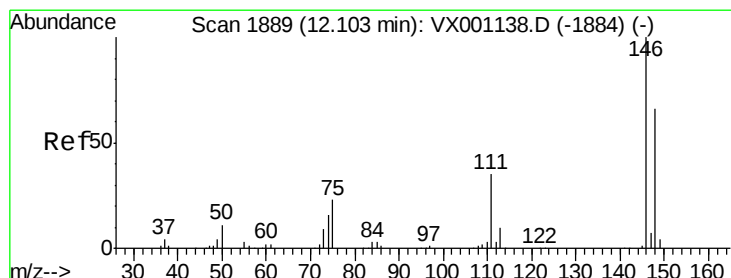
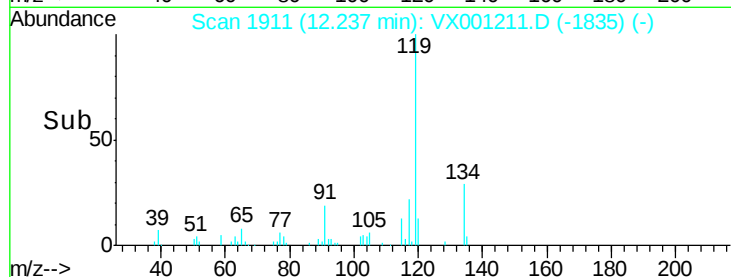
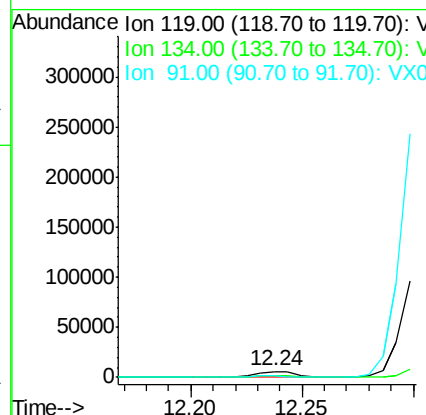
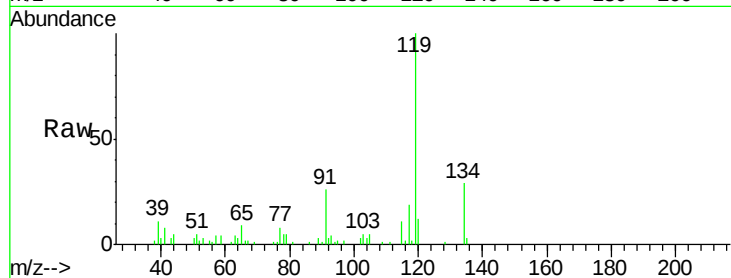




#86  
 p-Isopropyltoluene  
 Concen: 0.95 ug/l  
 RT: 12.24 min Scan# 1911  
 Delta R.T. 0.16 min  
 Lab File: VX001211.D  
 Acq: 28 Apr 2018 14:13

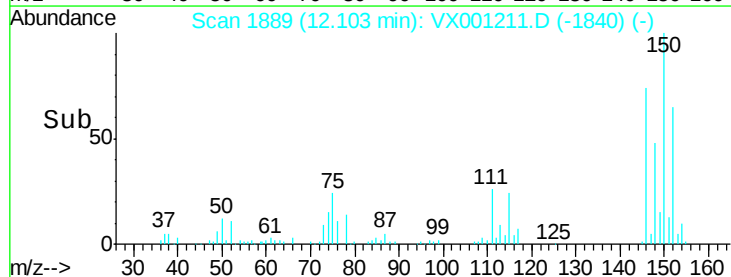
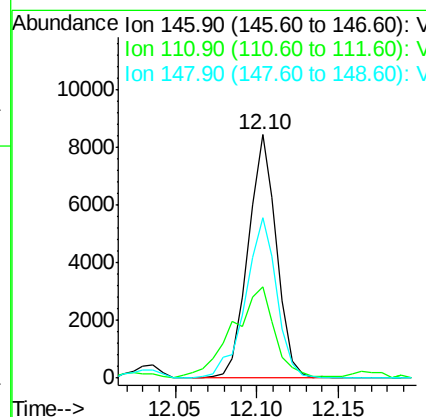
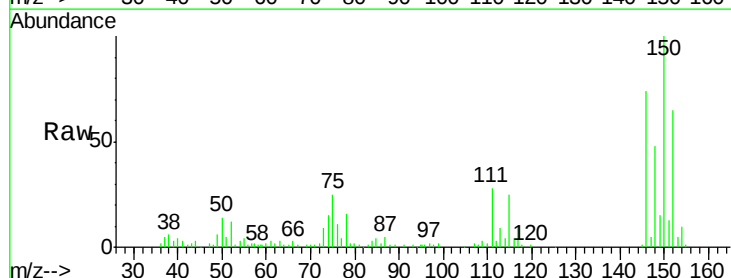
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LS-UB-102

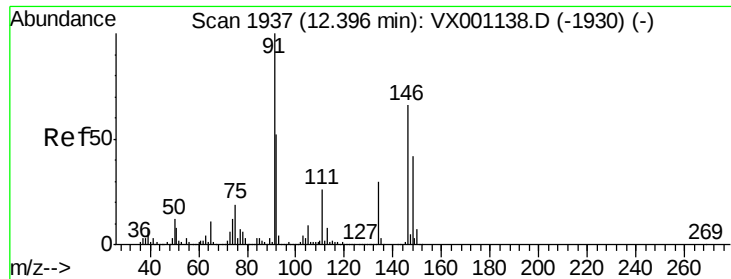
Tgt Ion:119 Resp: 7424  
 Ion Ratio Lower Upper  
 119 100  
 134 28.8 13.4 40.1  
 91 0.0 11.6 34.8#



#88  
 1,4-Dichlorobenzene  
 Concen: 2.15 ug/l  
 RT: 12.10 min Scan# 1889  
 Delta R.T. -0.00 min  
 Lab File: VX001211.D  
 Acq: 28 Apr 2018 14:13

Tgt Ion:146 Resp: 10197  
 Ion Ratio Lower Upper  
 146 100  
 111 56.5 18.0 54.0#  
 148 72.9 32.5 97.5

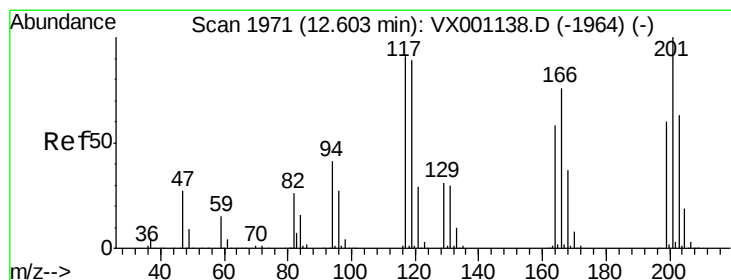
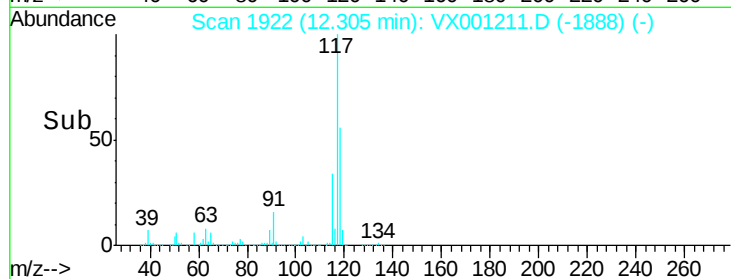
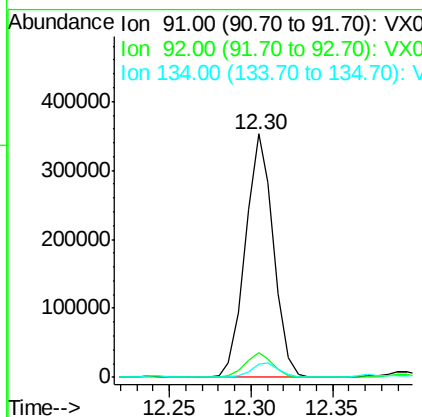
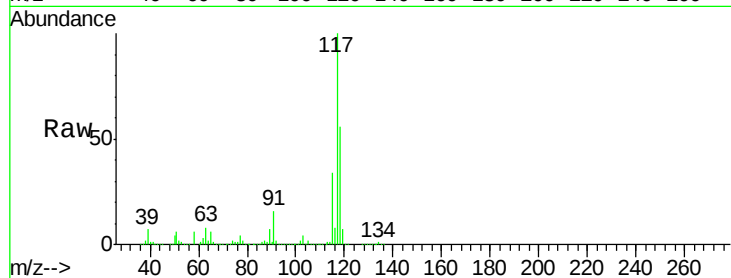




#89  
n-Butylbenzene  
Concen: 62.32 ug/l  
RT: 12.30 min Scan# 1922  
Delta R.T. -0.09 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

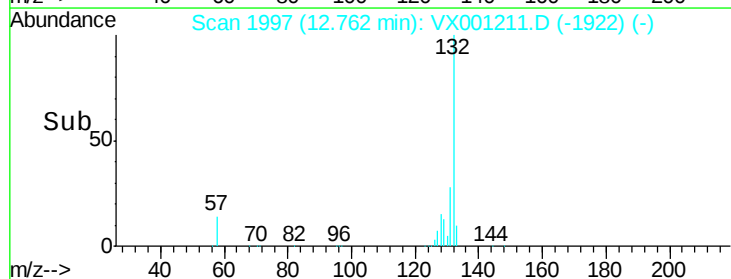
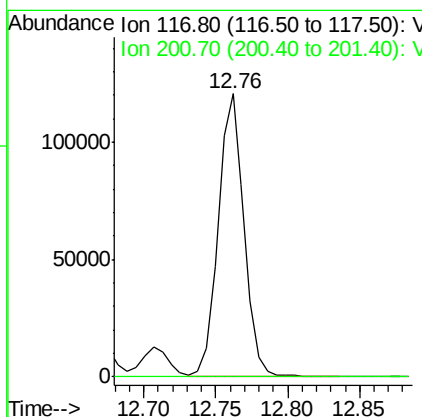
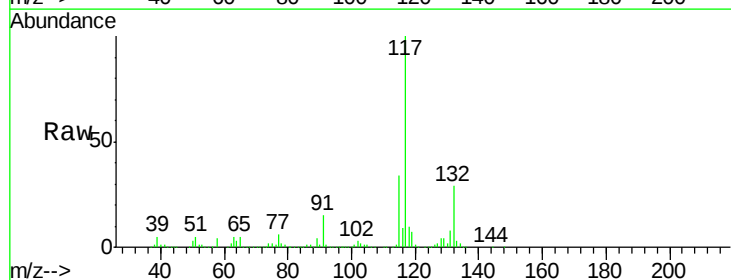
Instrument :  
MSVOA\_X  
ClientSampleId :  
LS-UB-102

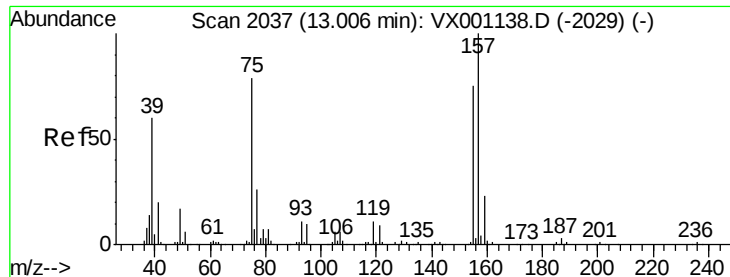
Tgt Ion: 91 Resp: 422575  
Ion Ratio Lower Upper  
91 100  
92 10.0 26.2 78.6#  
134 5.9 14.1 42.3#



#90  
Hexachloroethane  
Concen: 114.41 ug/l  
RT: 12.76 min Scan# 1997  
Delta R.T. 0.16 min  
Lab File: VX001211.D  
Acq: 28 Apr 2018 14:13

Tgt Ion: 117 Resp: 150549  
Ion Ratio Lower Upper  
117 100  
201 0.0 51.8 155.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.08 ug/l

RT: 12.98 min Scan# 2033

Delta R.T. -0.02 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampled :

LS-UB-102

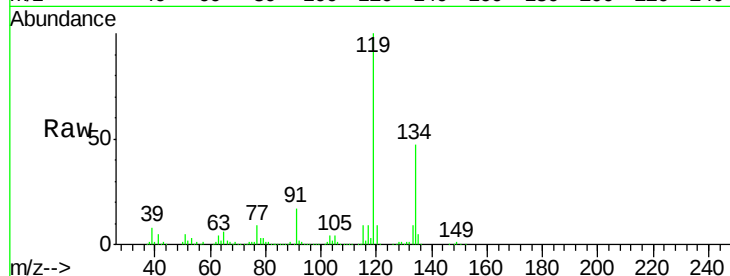
Tgt Ion: 75 Resp: 672

Ion Ratio Lower Upper

75 100

155 0.0 48.4 145.3#

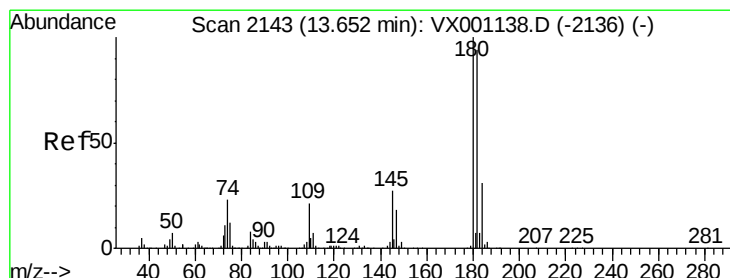
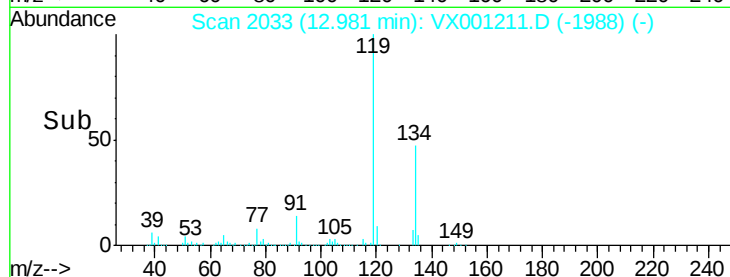
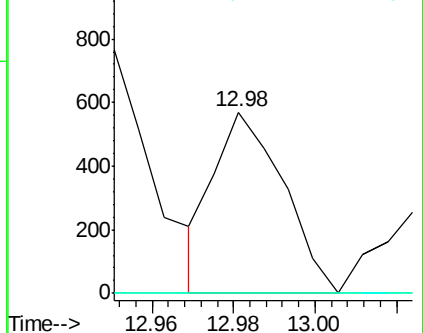
157 0.0 62.7 188.1#



Abundance Ion 74.90 (74.60 to 75.60): VX001138.D (-2029) (-)

Ion 154.80 (154.50 to 155.50): VX001138.D (-2029) (-)

Ion 156.80 (156.50 to 157.50): VX001138.D (-2029) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.31 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

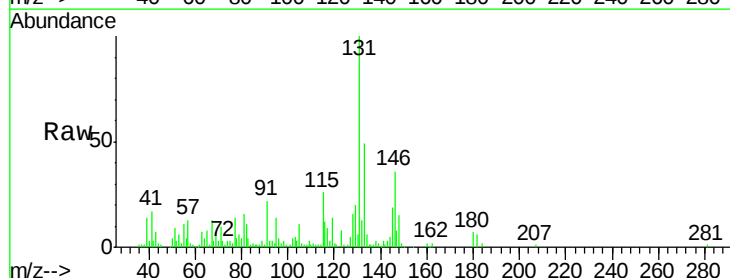
Tgt Ion: 180 Resp: 1132

Ion Ratio Lower Upper

180 100

182 100.6 47.9 143.6

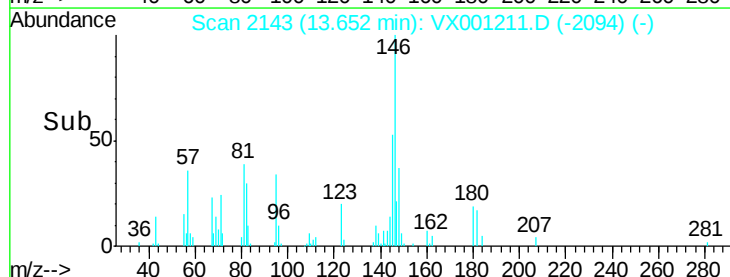
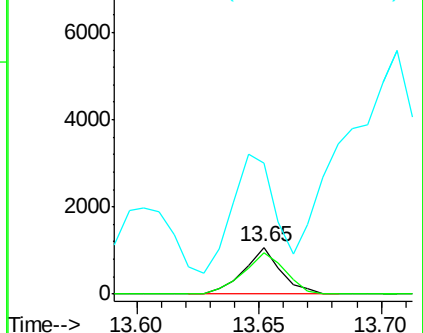
145 368.0 13.8 41.4#

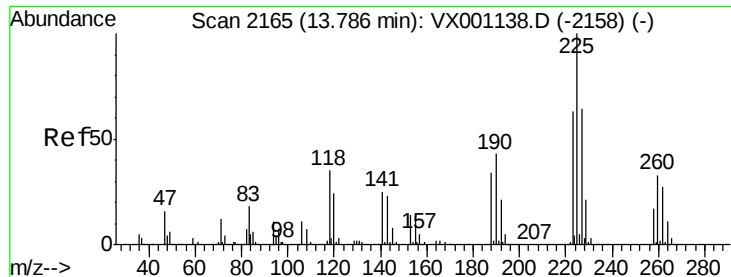


Abundance Ion 179.80 (179.50 to 180.50): VX001138.D (-2136) (-)

Ion 181.80 (181.50 to 182.50): VX001138.D (-2136) (-)

Ion 144.80 (144.50 to 145.50): VX001138.D (-2136) (-)





#94

Hexachlorobutadiene

Concen: 0.72 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

Instrument :

MSVOA\_X

ClientSampled :

LS-UB-102

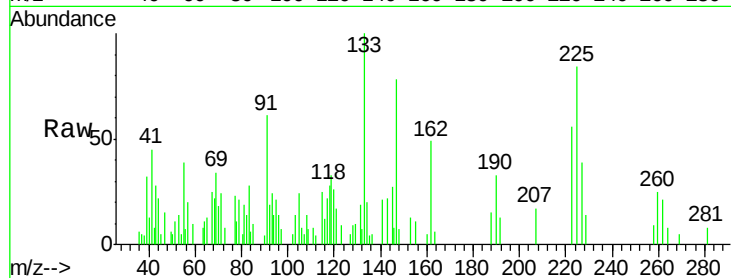
Tgt Ion: 225 Resp: 1210

Ion Ratio Lower Upper

225 100

223 65.8 31.3 93.9

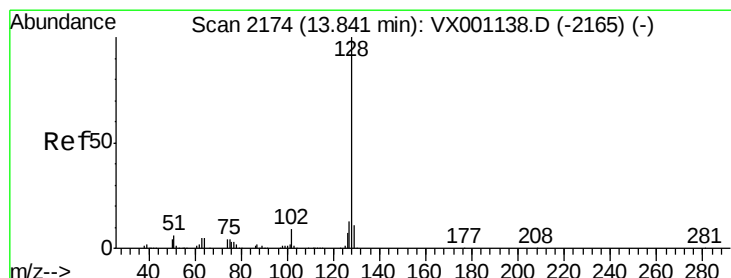
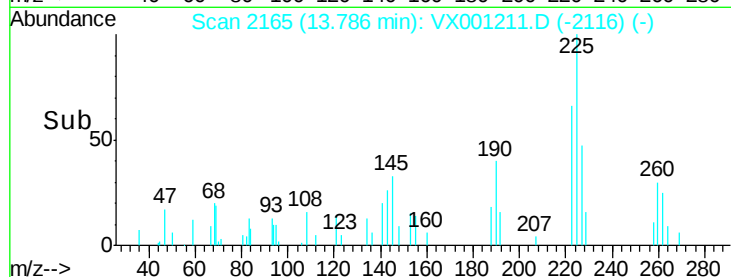
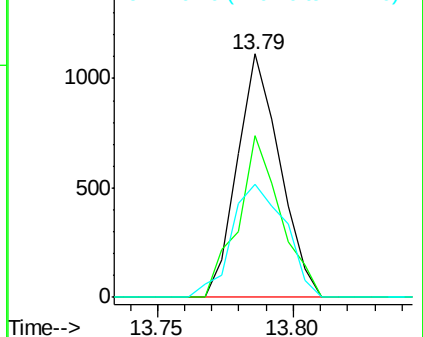
227 58.4 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.44 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX001211.D

Acq: 28 Apr 2018 14:13

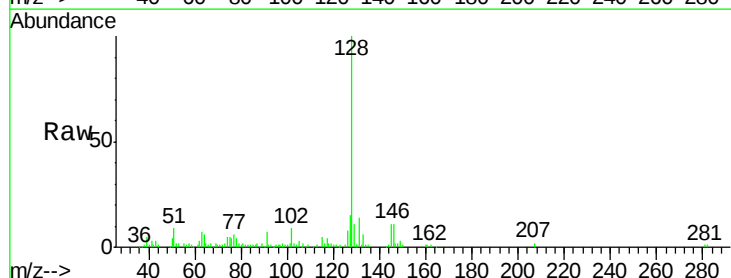
Tgt Ion: 128 Resp: 24481

Ion Ratio Lower Upper

128 100

127 18.7 10.6 15.8#

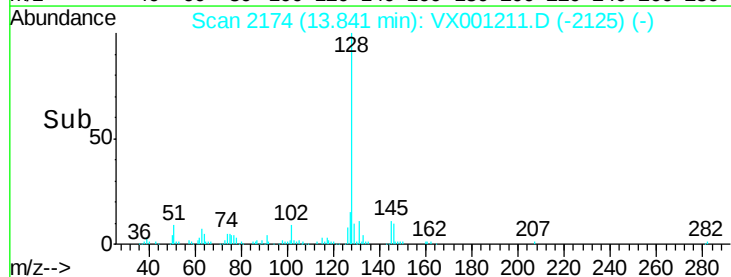
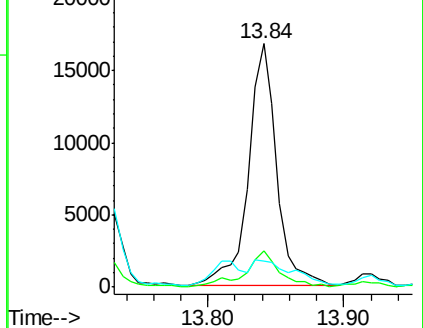
129 13.4 8.8 13.2#

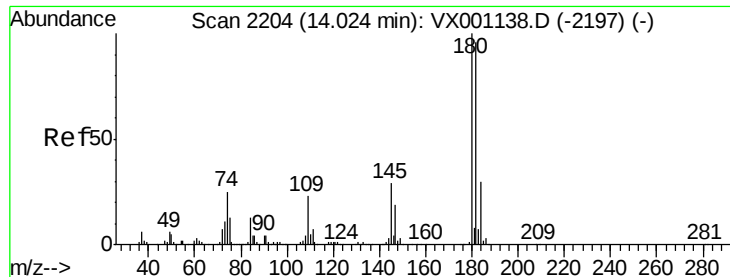


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.25 ug/l  
 RT: 14.03 min Scan# 2205  
 Delta R.T. 0.01 min  
 Lab File: VX001211.D  
 Acq: 28 Apr 2018 14:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LS-UB-102

Tgt Ion:180 Resp: 896  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 48.2 144.6  
 145 1376.5 14.5 43.5#

