

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\  
 Data File : VU027317.D  
 Acq On : 01 Oct 2018 12:29  
 Operator : MD/SY  
 Sample : I.BLK  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 I.BLK

Quant Time: Oct 02 07:20:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 102612   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 172164   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 163567   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 78372    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 95033    | 55.46 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.92% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 68814    | 58.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 116.64% |          |
| 50) Toluene-d8              | 7.57  | 98   | 271221   | 61.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 122.84% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 91133    | 55.53 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.06% |          |

| Target Compounds              | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------------|------|------|----------|-------|--------|--------|
| 3) Chloromethane              | 1.33 | 50   | 504      | 0.252 | ug/l # | 79     |
| 4) Vinyl Chloride             | 1.40 | 62   | 404      | 0.215 | ug/l   | 93     |
| 5) Bromomethane               | 1.63 | 94   | 278      | 0.341 | ug/l   | 84     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101  | 238      | 0.215 | ug/l # | 49     |
| 10) Methyl Iodide             | 2.41 | 142  | 119      | 8.431 | ug/l # | 39     |
| 11) Tert butyl alcohol        | 2.82 | 59   | 205      | 0.568 | ug/l # | 72     |
| 12) 1,1-Dichloroethene        | 2.28 | 96   | 258      | 0.238 | ug/l # | 80     |
| 13) Acrolein                  | 2.20 | 56   | 444      | 1.466 | ug/l   | 89     |
| 15) Acrylonitrile             | 2.95 | 53   | 941      | 1.002 | ug/l # | 86     |
| 16) Acetone                   | 2.32 | 43   | 1102     | 1.089 | ug/l   | 95     |
| 17) Carbon Disulfide          | 2.48 | 76   | 6648     | 1.701 | ug/l   | 98     |
| 18) Methyl Acetate            | 2.63 | 43   | 478      | 0.207 | ug/l # | 56     |
| 20) Methylene Chloride        | 2.70 | 84   | 459      | 0.326 | ug/l # | 76     |
| 21) trans-1,2-Dichloroethene  | 2.99 | 96   | 806      | 0.662 | ug/l   | 89     |
| 23) Vinyl Acetate             | 3.55 | 43   | 1635     | 0.358 | ug/l # | 76     |
| 25) 2-Butanone                | 4.29 | 43   | 907      | 0.657 | ug/l # | 54     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96   | 347      | 0.249 | ug/l   | 60     |
| 29) Tetrahydrofuran           | 4.66 | 42   | 890      | 1.023 | ug/l # | 65     |
| 31) Cyclohexane               | 4.98 | 56   | 2846     | 0.802 | ug/l # | 1      |
| 36) 1,1-Dichloropropene       | 5.14 | 75   | 744      | 0.398 | ug/l # | 58     |
| 38) Carbon Tetrachloride      | 4.99 | 117  | 10511    | 6.225 | ug/l # | 18     |
| 41) Methacrylonitrile         | 4.67 | 41   | 503      | 0.368 | ug/l # | 34     |
| 44) Trichloroethene           | 6.19 | 130  | 464      | 0.382 | ug/l   | 89     |
| 46) Dibromomethane            | 6.57 | 93   | 197      | 0.222 | ug/l   | 96     |
| 49) 1,4-Dioxane               | 6.63 | 88   | 129      | 4.018 | ug/l # | 17     |
| 51) 4-Methyl-2-Pentanone      | 7.47 | 43   | 1932     | 0.792 | ug/l   | 89     |
| 53) t-1,3-Dichloropropene     | 7.89 | 75   | 747      | 0.346 | ug/l   | 99     |
| 58) 2-Chloroethyl Vinyl ether | 7.14 | 63   | 362      | 8.491 | ug/l # | 52     |
| 59) 2-Hexanone                | 8.38 | 43   | 2455     | 1.298 | ug/l   | 96     |
| 64) Tetrachloroethene         | 8.23 | 164  | 314      | 0.308 | ug/l   | 96     |
| 65) Chlorobenzene             | 9.12 | 112  | 1109     | 0.322 | ug/l # | 83     |
| 67) Ethyl Benzene             | 9.26 | 91   | 1397     | 0.229 | ug/l   | 95     |
| 68) m/p-Xylenes               | 9.38 | 106  | 939      | 0.421 | ug/l   | 92     |
| 70) Styrene                   | 9.80 | 104  | 862      | 2.507 | ug/l   | 94     |

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 Operator : MD/SY  
 Sample : I.BLK  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

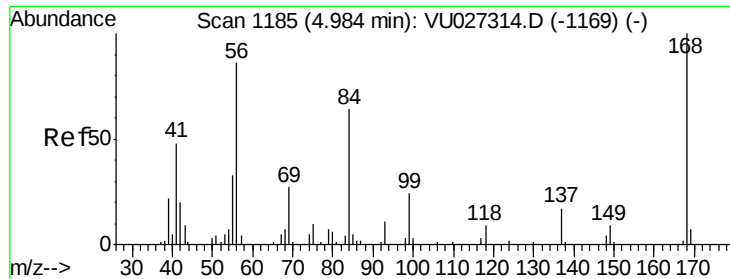
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 I.BLK

Quant Time: Oct 02 07:20:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 74) N-amy1 acetate             | 10.02 | 43   | 1836     | 0.563  | ug/l # | 84       |
| 76) 1,2,3-Trichloropropane     | 10.31 | 75   | 48853    | 24.047 | ug/l # | 36       |
| 77) Bromobenzene               | 10.46 | 156  | 543      | 0.410  | ug/l   | 87       |
| 78) n-propylbenzene            | 10.59 | 91   | 2228     | 0.326  | ug/l   | 93       |
| 79) 2-Chlorotoluene            | 10.67 | 91   | 1217     | 0.295  | ug/l   | 87       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 1025     | 0.221  | ug/l   | 92       |
| 81) trans-1,4-Dichloro-2-buten | 10.31 | 75   | 48853    | 62.933 | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.78 | 91   | 2344     | 0.500  | ug/l   | 93       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 903      | 0.202  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 1369     | 0.289  | ug/l   | 94       |
| 85) sec-Butylbenzene           | 11.33 | 105  | 1448     | 0.257  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 1557     | 0.322  | ug/l   | 86       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 1840     | 0.735  | ug/l   | 86       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 2144     | 0.838  | ug/l   | 76       |
| 89) n-Butylbenzene             | 11.90 | 91   | 2879     | 2.489  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene        | 11.89 | 146  | 1375     | 0.564  | ug/l   | 92       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 252      | 0.509  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene     | 13.51 | 180  | 2245     | 1.423  | ug/l   | 92       |
| 94) Hexachlorobutadiene        | 13.70 | 225  | 1256     | 1.576  | ug/l   | 94       |
| 95) Naphthalene                | 13.75 | 128  | 8973     | 3.124  | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 2894     | 1.761  | ug/l   | 90       |
| -----                          |       |      |          |        |        |          |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

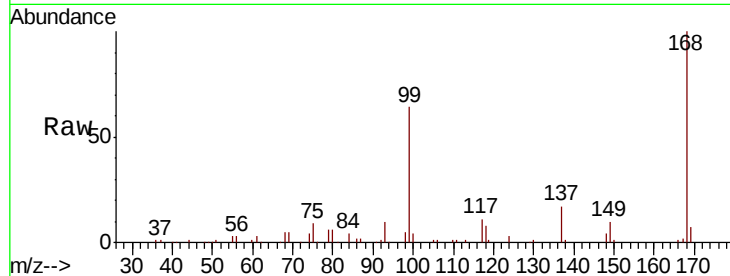
I.BLK

Tot Ion:168 Resp: 102612

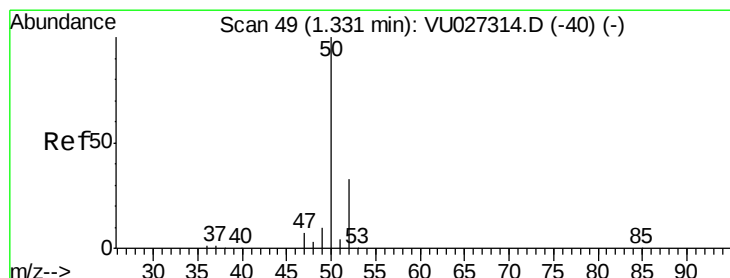
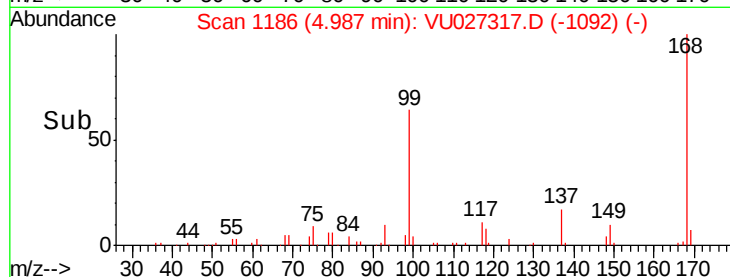
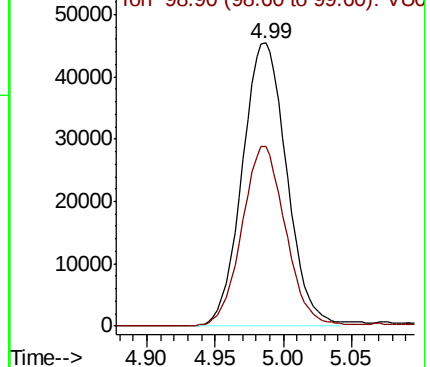
Ion Ratio Lower Upper

168 100

99 63.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027317.D (-1092) (-)



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027317.D

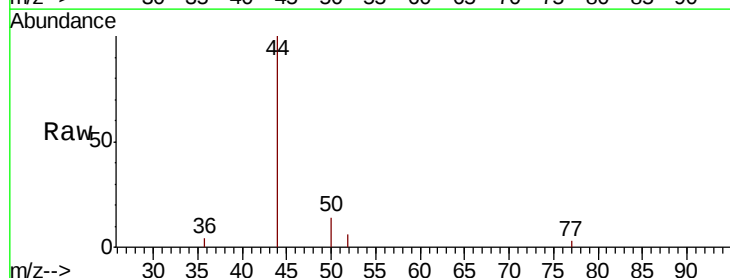
Acq: 01 Oct 2018 12:29

Tgt Ion: 50 Resp: 504

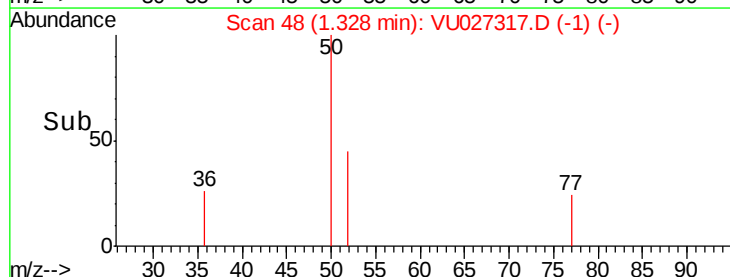
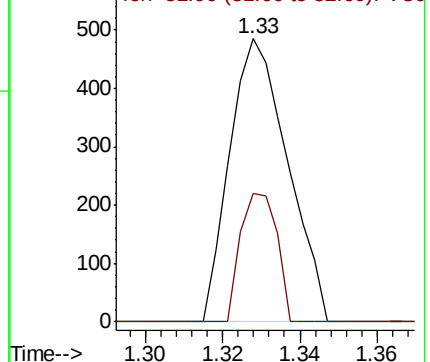
Ion Ratio Lower Upper

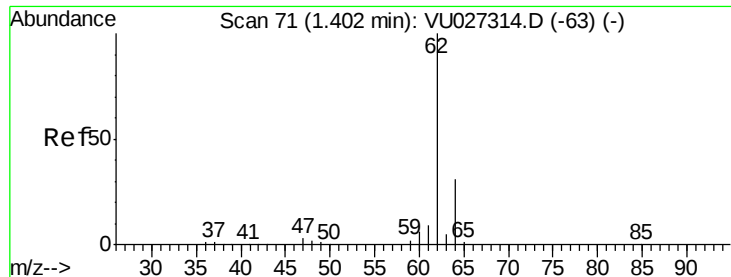
50 100

52 45.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VU027317.D (-1) (-)





#4

Vinyl Chloride

Concen: 0.215 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

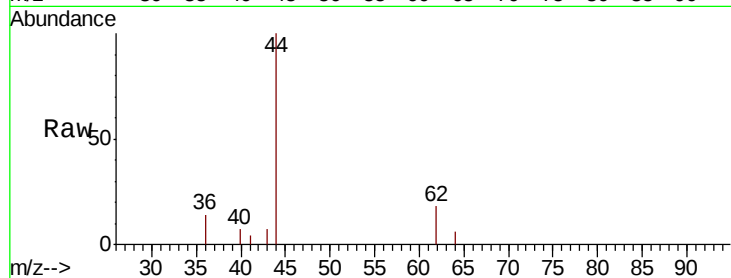
I.BLK

Tot Ion: 62 Resp: 404

Ion Ratio Lower Upper

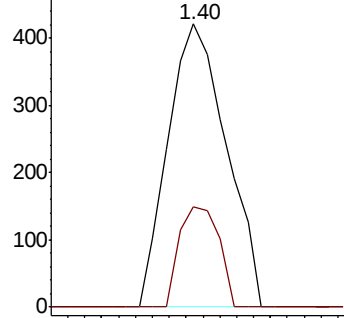
62 100

64 35.2 24.9 37.3

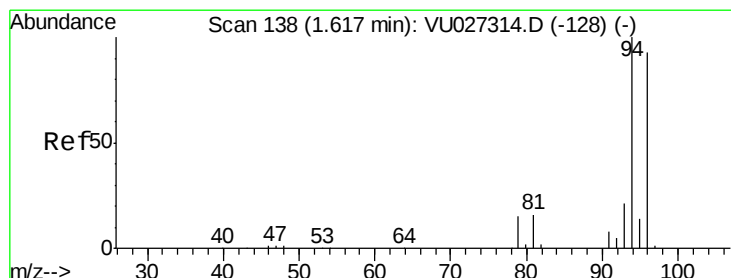
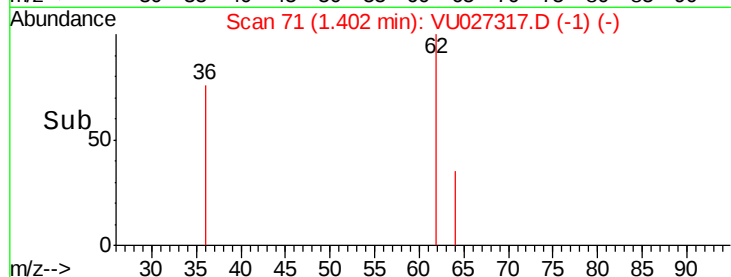


Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->



#5

Bromomethane

Concen: 0.341 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.01 min

Lab File: VU027317.D

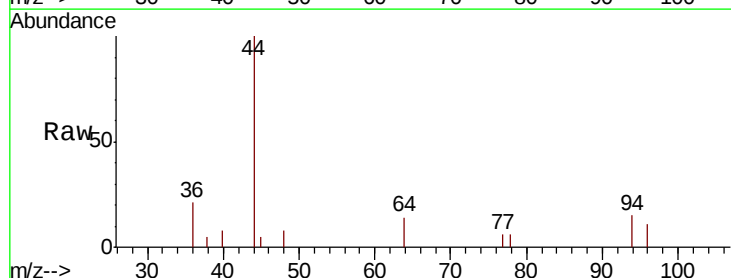
Acq: 01 Oct 2018 12:29

Tgt Ion: 94 Resp: 278

Ion Ratio Lower Upper

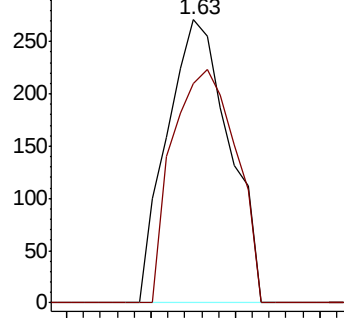
94 100

96 77.5 74.6 111.8

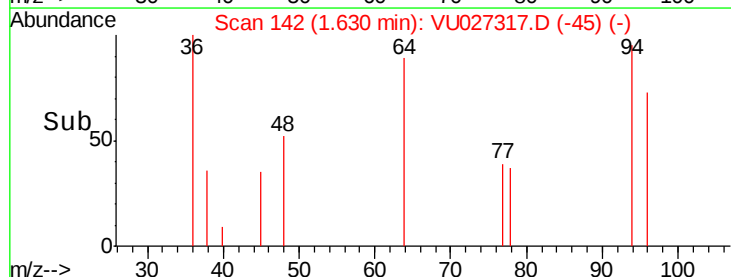


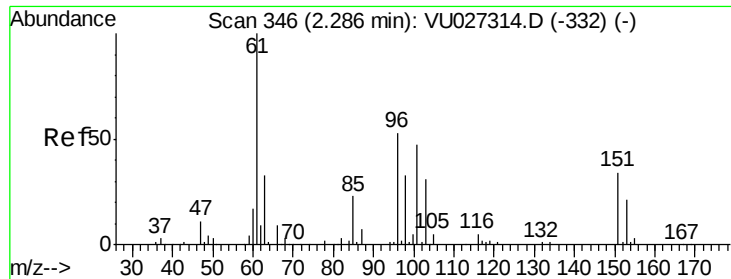
Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.215 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

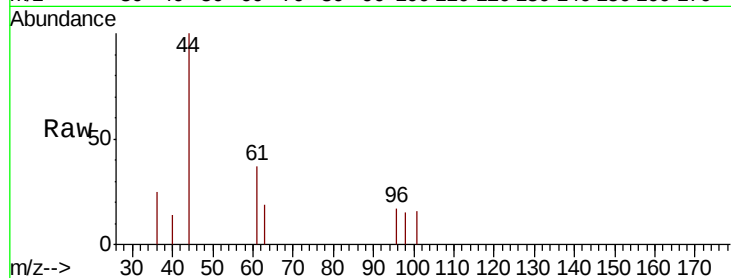
Tot Ion:101 Resp: 238

Ion Ratio Lower Upper

101 100

85 0.0 37.5 56.3#

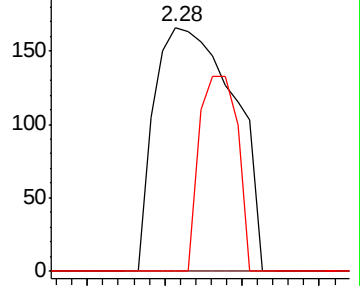
151 38.7 55.6 83.4#



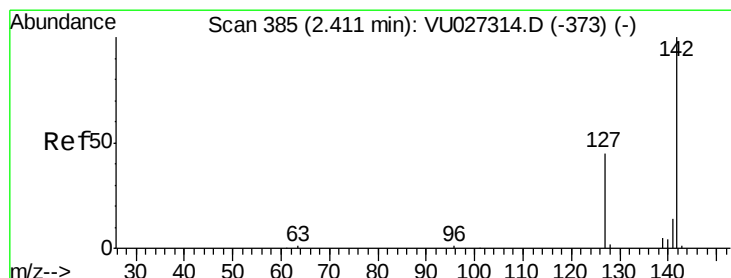
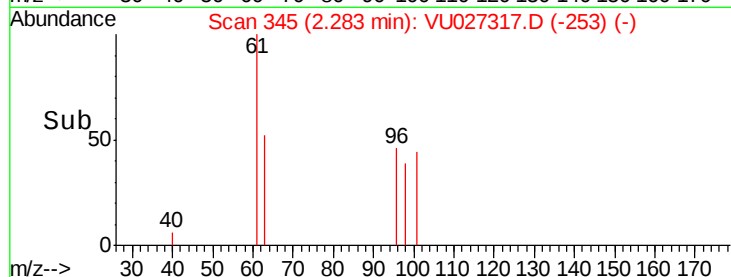
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 8.431 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

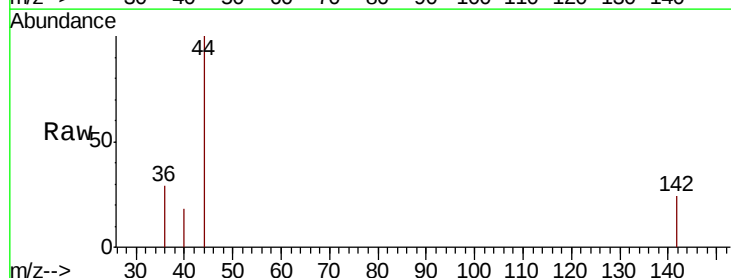
Tgt Ion:142 Resp: 119

Ion Ratio Lower Upper

142 100

127 0.0 36.3 54.5#

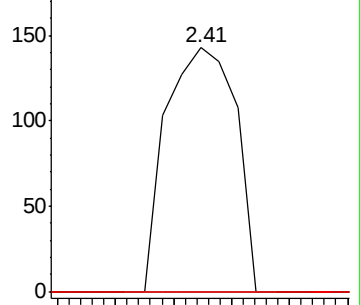
141 0.0 11.6 17.4#



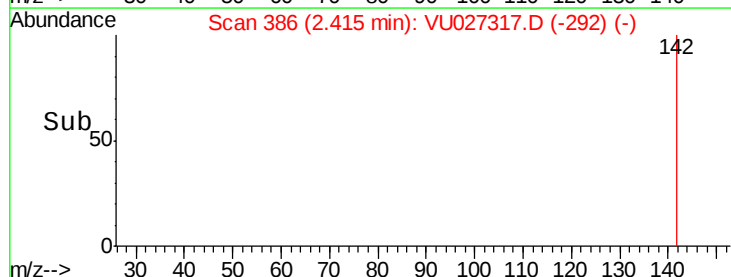
Abundance Ion 141.80 (141.50 to 142.50): V

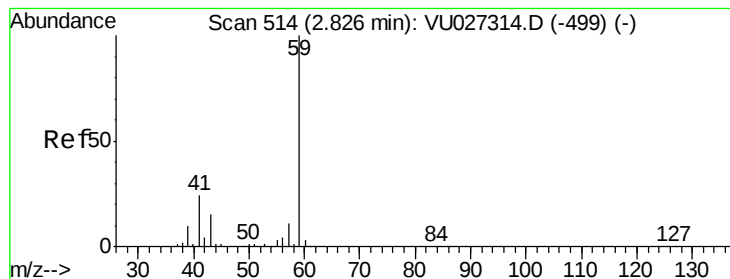
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



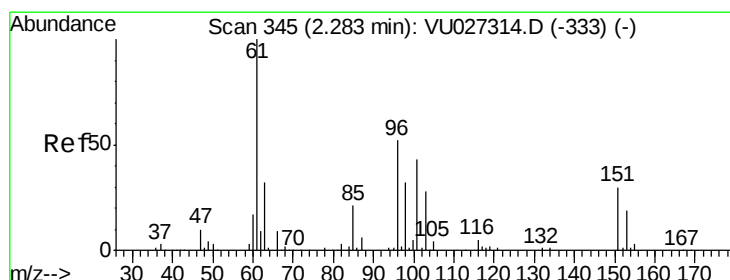
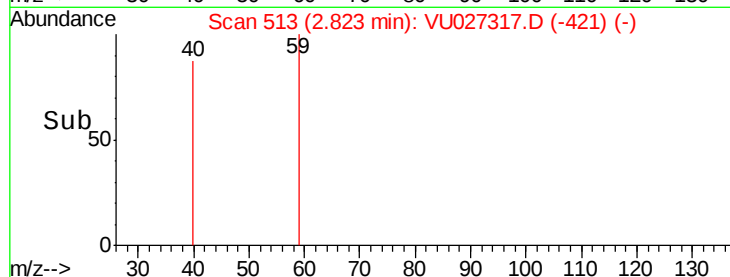
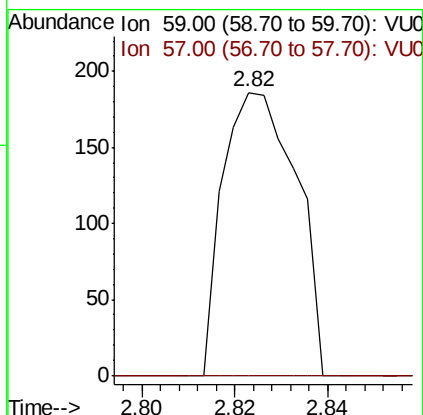
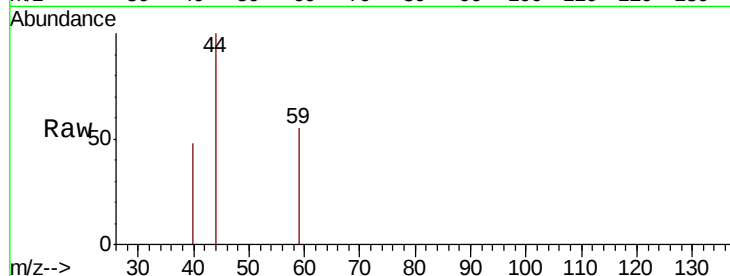


#11

Tert butyl alcohol  
Concen: 0.568 ug/l  
RT: 2.82 min Scan# 513  
Delta R.T. -0.00 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

Instrument :  
MSVOA\_U  
ClientSampled :  
I.BLK

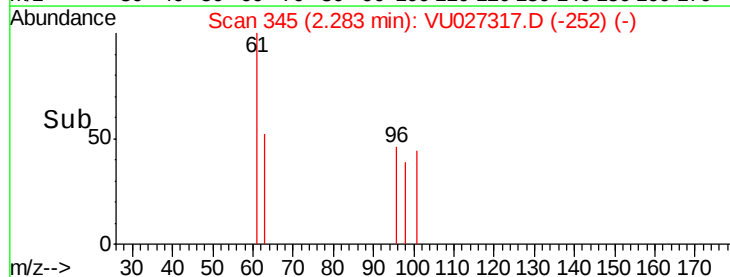
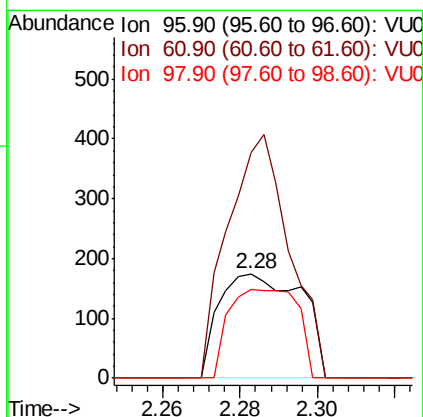
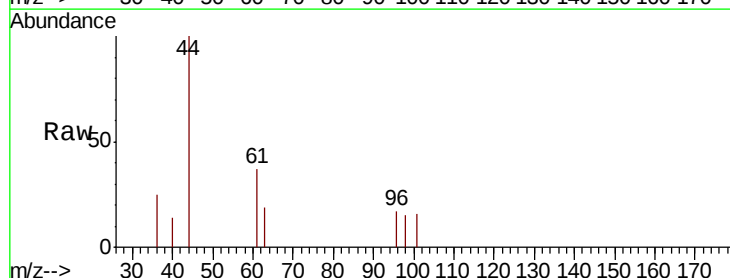
Tot Ion: 59 Resp: 205  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.4 12.6#

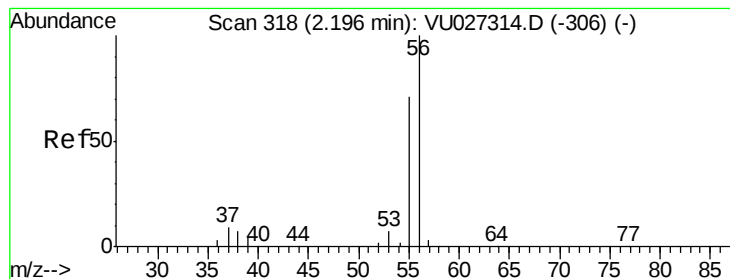


#12

1,1-Dichloroethene  
Concen: 0.238 ug/l  
RT: 2.28 min Scan# 345  
Delta R.T. 0.00 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

Tgt Ion: 96 Resp: 258  
Ion Ratio Lower Upper  
96 100  
61 216.0 153.0 229.6  
98 85.1 49.3 73.9#





#13

Acrolein

Concen: 1.466 ug/l

RT: 2.20 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

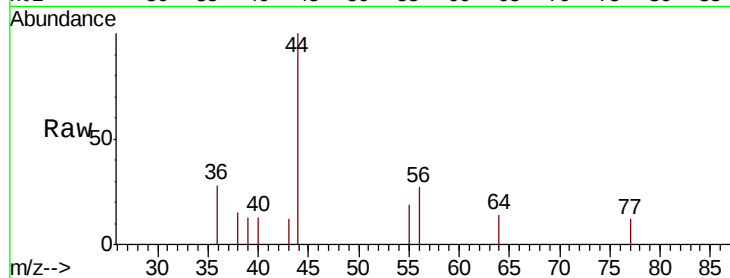
I.BLK

Tot Ion: 56 Resp: 444

Ion Ratio Lower Upper

56 100

55 80.9 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

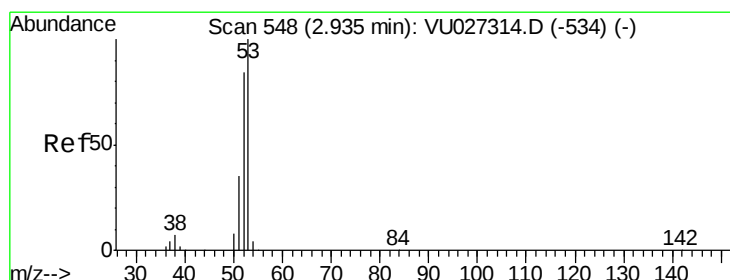
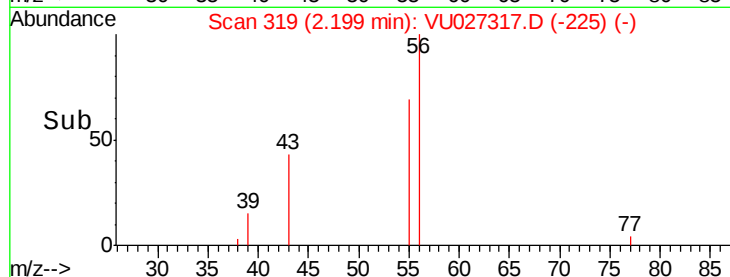
300

200

100

0

Time--> 2.16 2.18 2.20 2.22



#15

Acrylonitrile

Concen: 1.002 ug/l

RT: 2.95 min Scan# 552

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

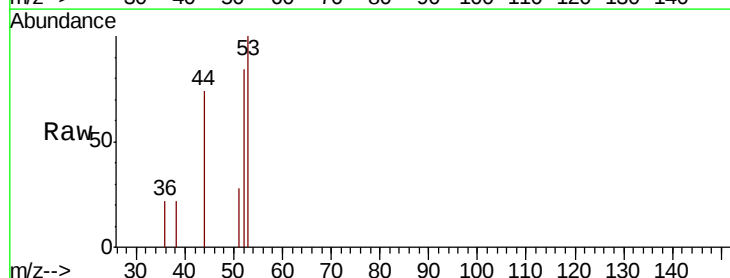
Tgt Ion: 53 Resp: 941

Ion Ratio Lower Upper

53 100

52 79.7 66.5 99.7

51 11.5 27.6 41.4#



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

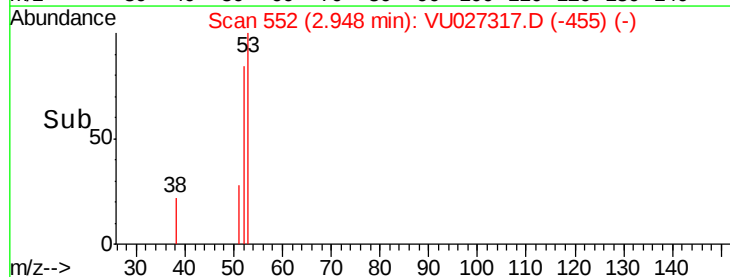
600

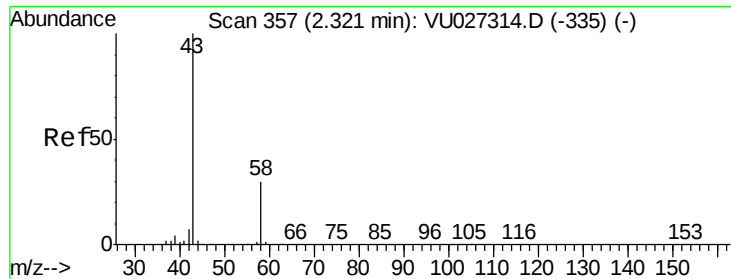
400

200

0

Time--> 2.90 2.95 3.00





#16

Acetone

Concen: 1.089 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

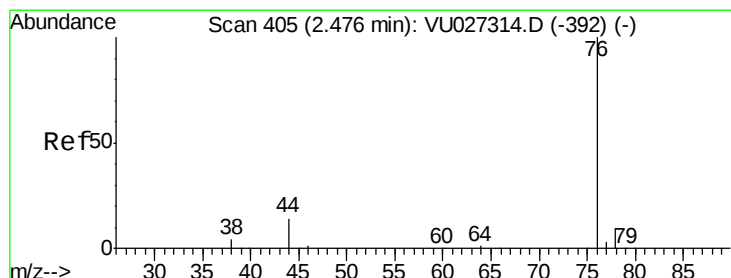
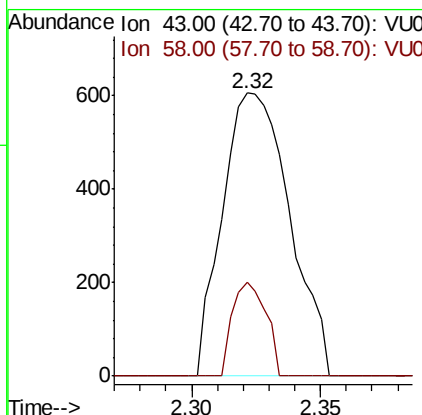
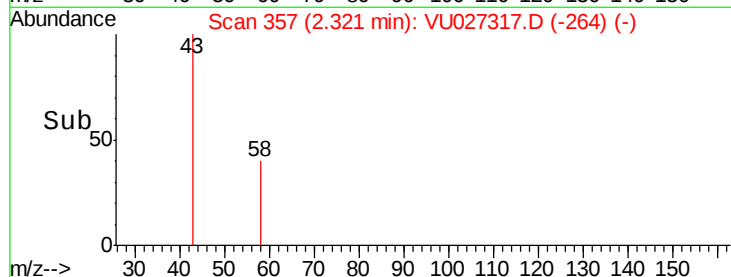
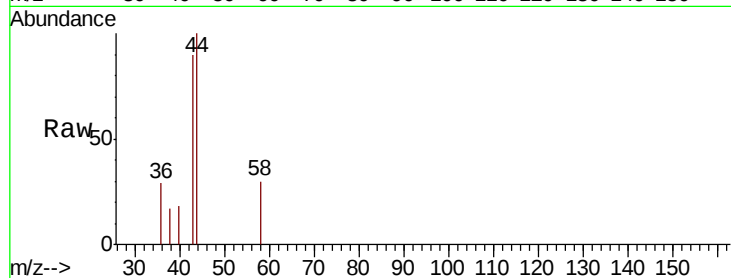
I.BLK

Tot Ion: 43 Resp: 1102

Ion Ratio Lower Upper

43 100

58 33.2 24.2 36.4



#17

Carbon Disulfide

Concen: 1.701 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027317.D

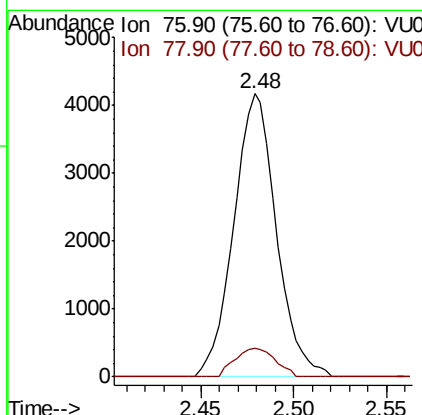
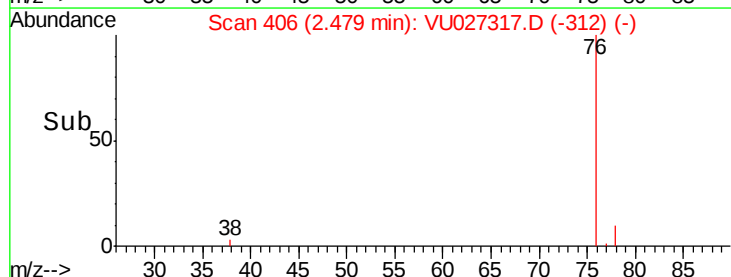
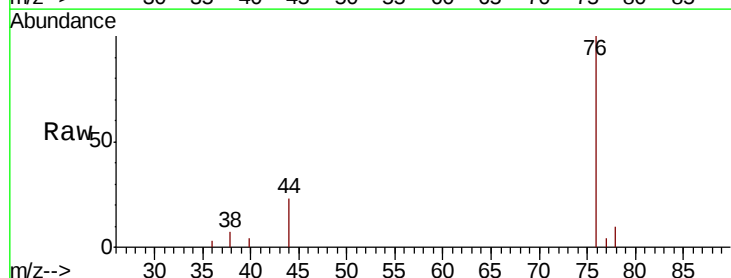
Acq: 01 Oct 2018 12:29

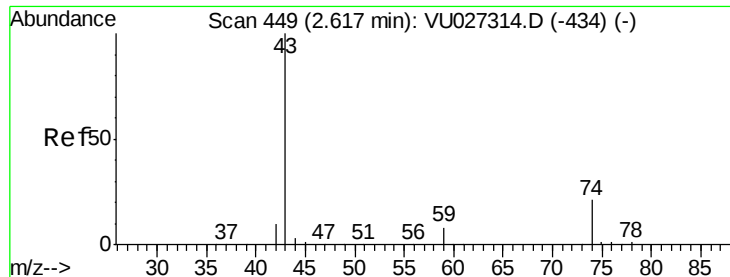
Tgt Ion: 76 Resp: 6648

Ion Ratio Lower Upper

76 100

78 9.9 7.3 10.9

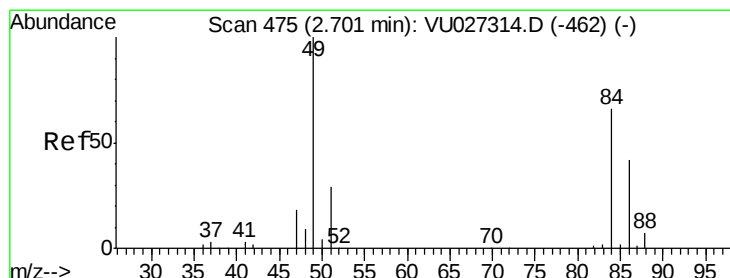
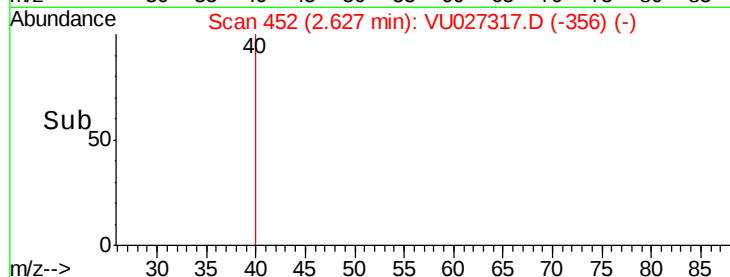
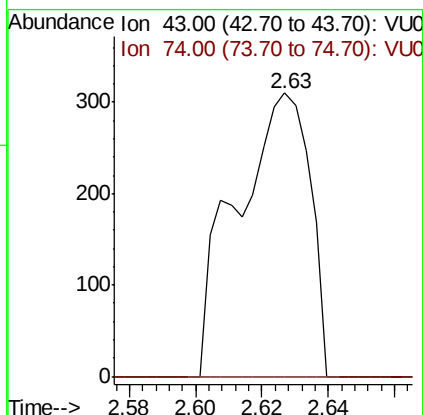
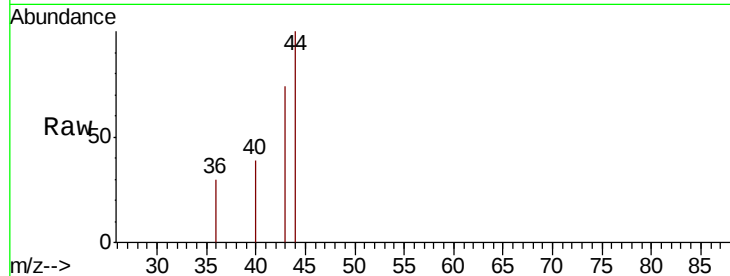




#18  
Methyl Acetate  
Concen: 0.207 ug/l  
RT: 2.63 min Scan# 452  
Delta R.T. 0.01 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

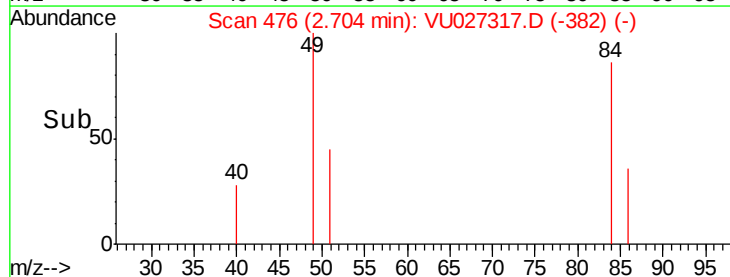
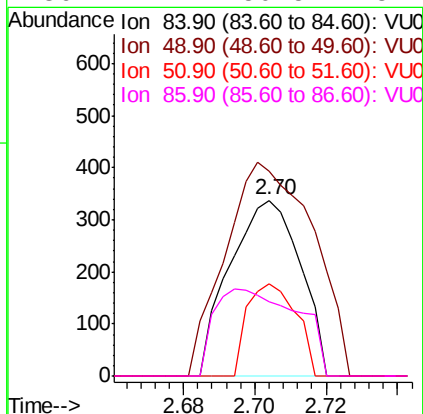
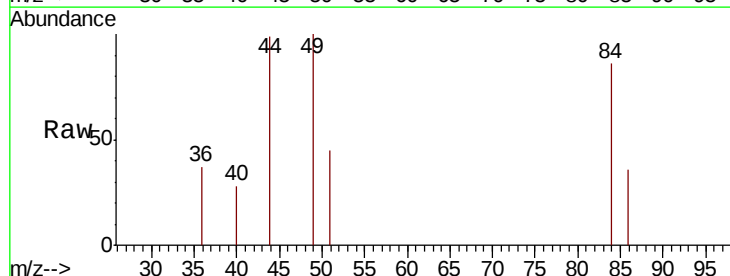
Instrument :  
MSVOA\_U  
ClientSampleId :  
I.BLK

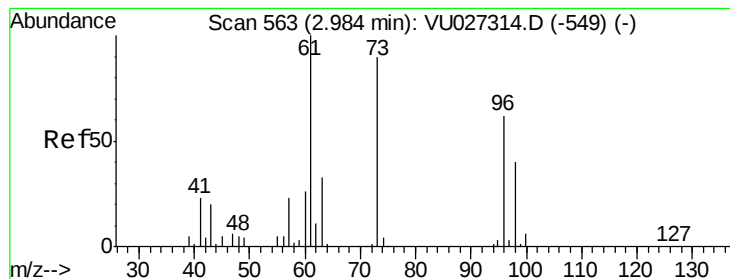
Tot Ion: 43 Resp: 478  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.5 24.7#



#20  
Methylene Chloride  
Concen: 0.326 ug/l  
RT: 2.70 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

Tgt Ion: 84 Resp: 459  
Ion Ratio Lower Upper  
84 100  
49 116.9 120.5 180.7#  
51 52.2 35.1 52.7  
86 42.4 50.5 75.7#





#21

trans-1,2-Dichloroethene

Concen: 0.662 ug/l

RT: 2.99 min Scan# 565

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

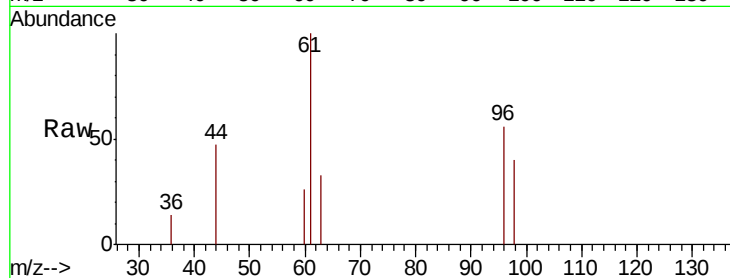
Tot Ion: 96 Resp: 806

Ion Ratio Lower Upper

96 100

61 177.9 129.4 194.2

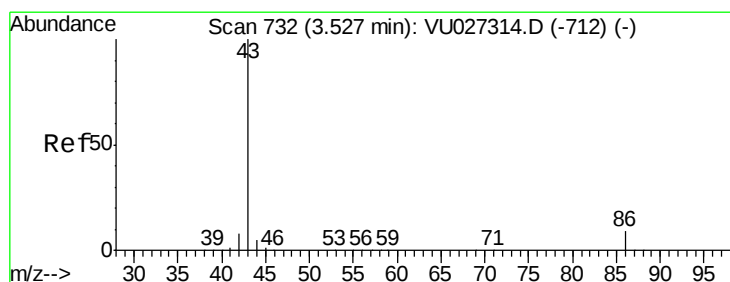
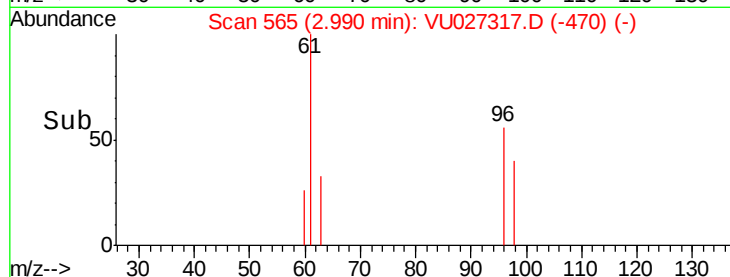
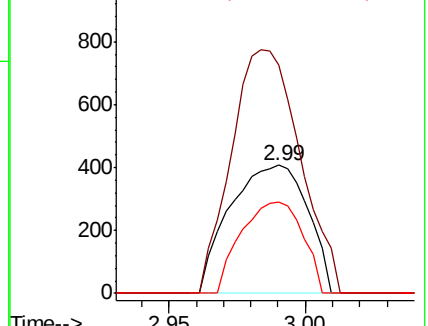
98 71.7 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#23

Vinyl Acetate

Concen: 0.358 ug/l

RT: 3.55 min Scan# 739

Delta R.T. 0.02 min

Lab File: VU027317.D

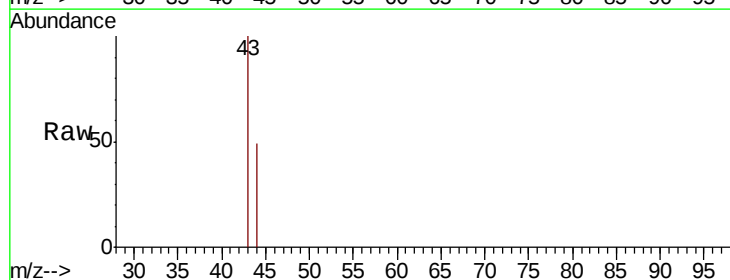
Acq: 01 Oct 2018 12:29

Tgt Ion: 43 Resp: 1635

Ion Ratio Lower Upper

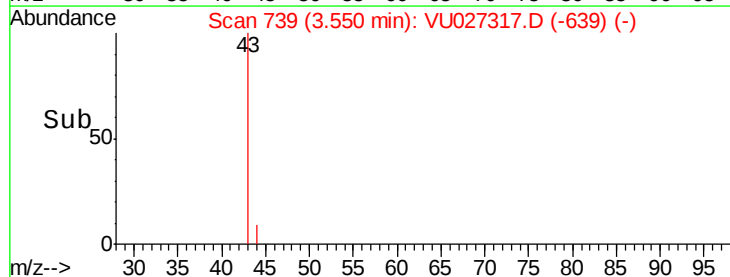
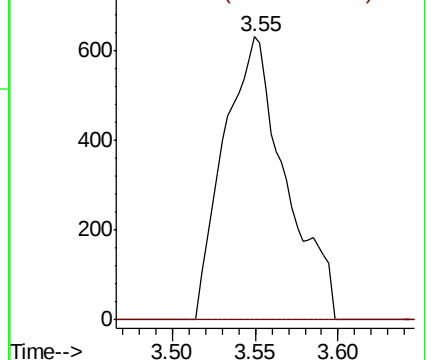
43 100

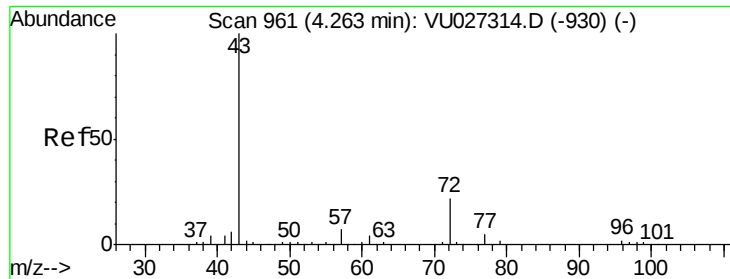
86 0.0 7.0 10.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

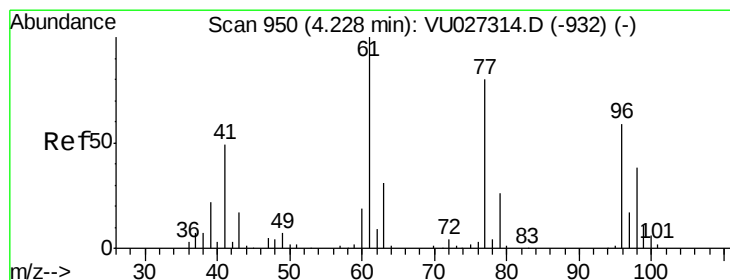
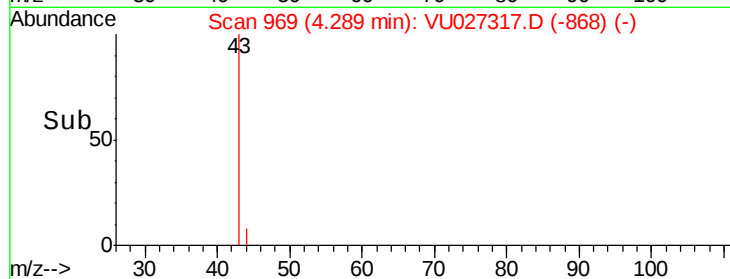
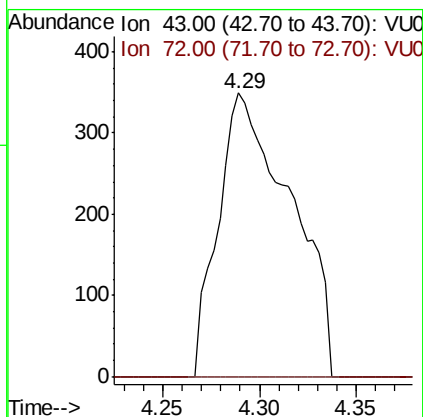
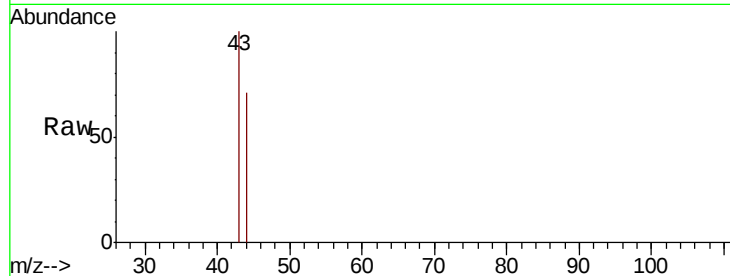




#25  
 2-Butanone  
 Concen: 0.657 ug/l  
 RT: 4.29 min Scan# 969  
 Delta R.T. 0.03 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

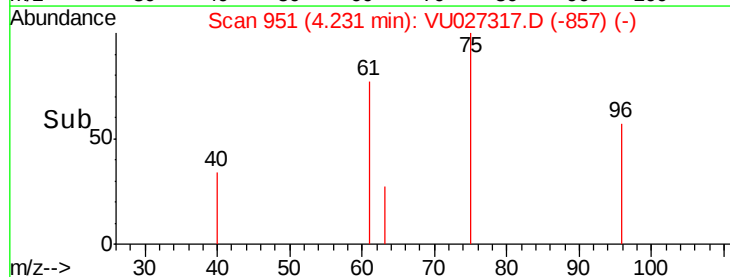
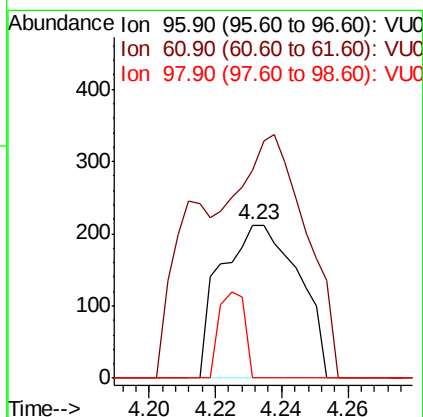
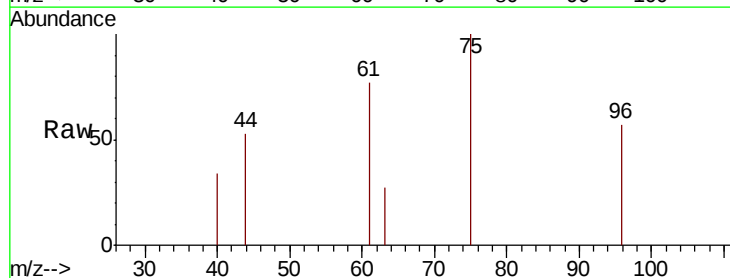
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 I.BLK

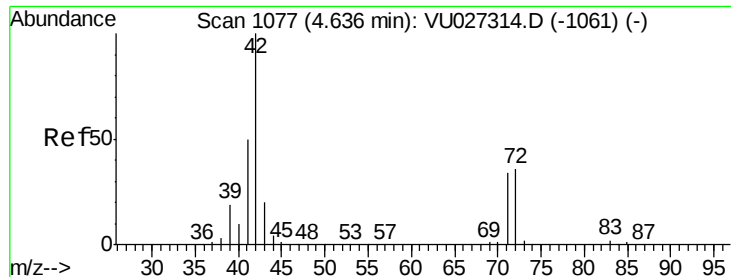
Tot Ion: 43 Resp: 907  
 Ion Ratio Lower Upper  
 43 100  
 72 0.0 17.8 26.6#



#27  
 cis-1,2-Dichloroethene  
 Concen: 0.249 ug/l  
 RT: 4.23 min Scan# 951  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Tgt Ion: 96 Resp: 347  
 Ion Ratio Lower Upper  
 96 100  
 61 125.9 0.0 343.8  
 98 18.4 0.0 129.0

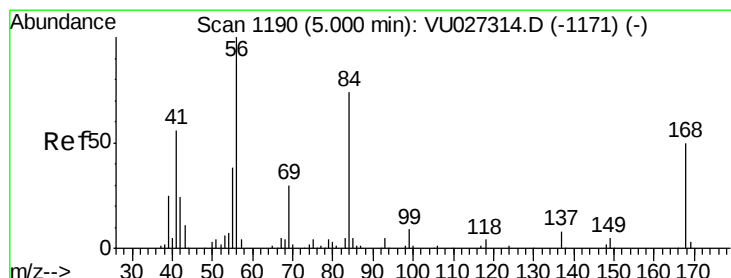
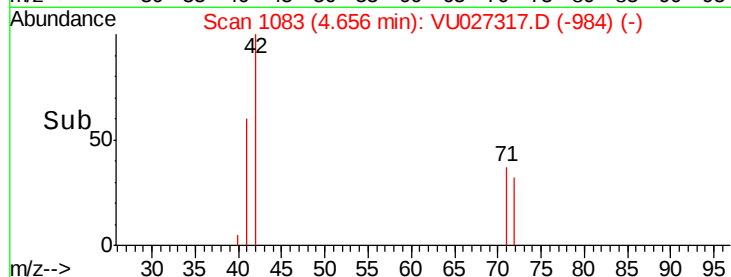
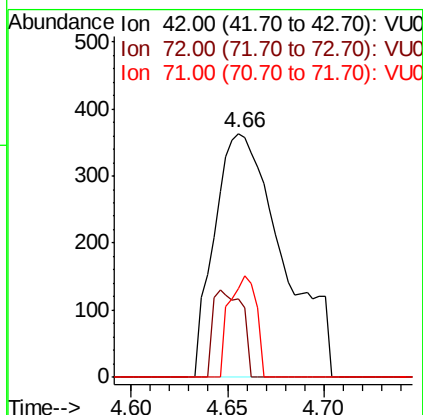
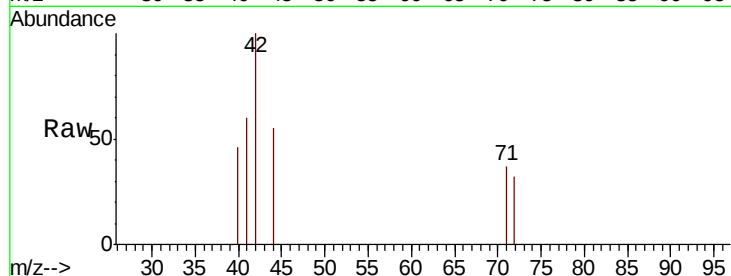




#29  
Tetrahydrofuran  
Concen: 1.023 ug/l  
RT: 4.66 min Scan# 1083  
Delta R.T. 0.02 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

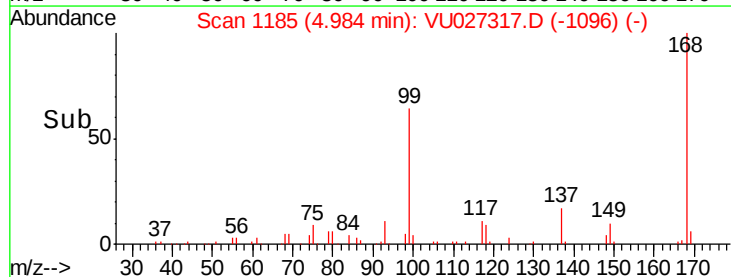
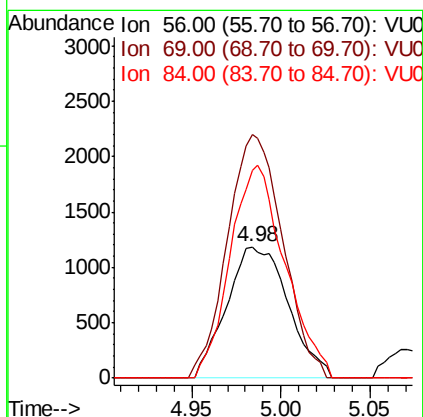
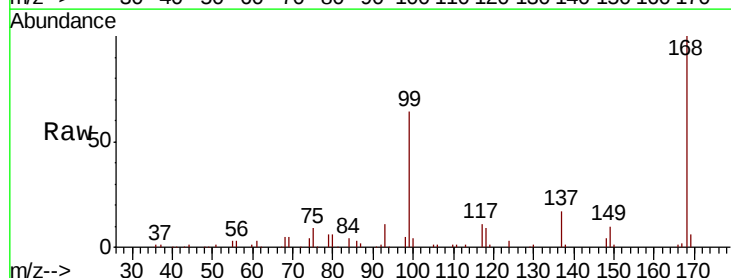
Instrument :  
MSVOA\_U  
ClientSampleId :  
I.BLK

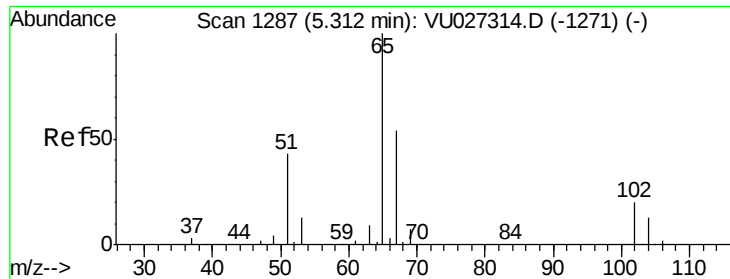
Tot Ion: 42 Resp: 890  
Ion Ratio Lower Upper  
42 100  
72 15.3 30.1 45.1#  
71 16.3 27.7 41.5#



#31  
Cyclohexane  
Concen: 0.802 ug/l  
RT: 4.98 min Scan# 1185  
Delta R.T. -0.02 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

Tgt Ion: 56 Resp: 2846  
Ion Ratio Lower Upper  
56 100  
69 185.6 24.1 36.1#  
84 157.9 59.1 88.7#

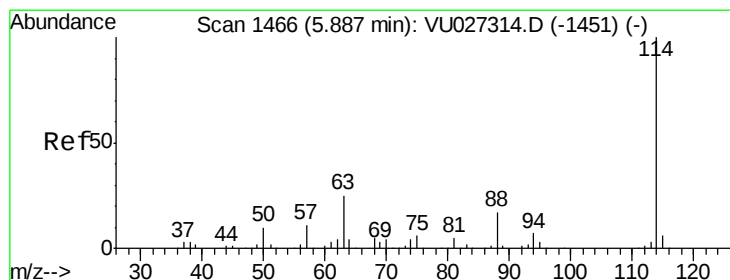
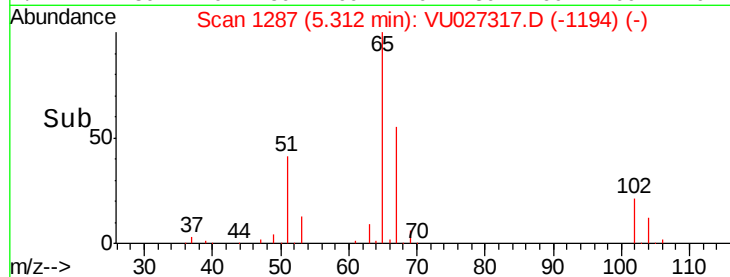
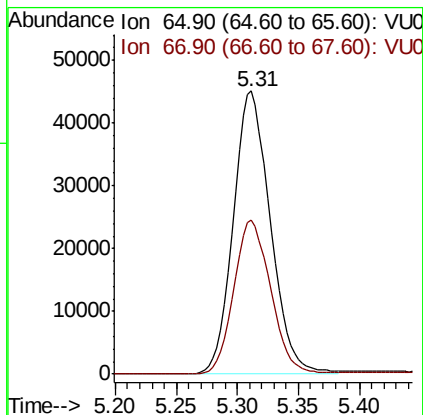
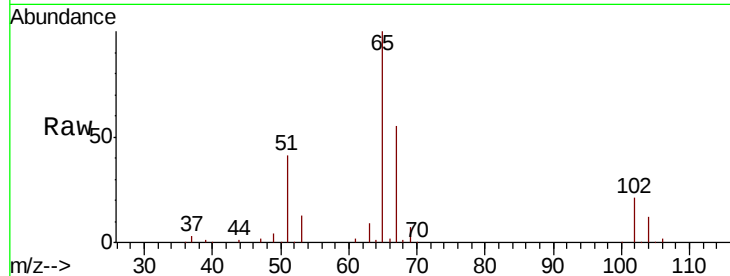




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.463 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

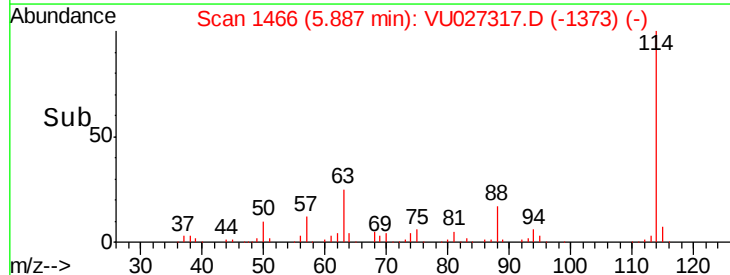
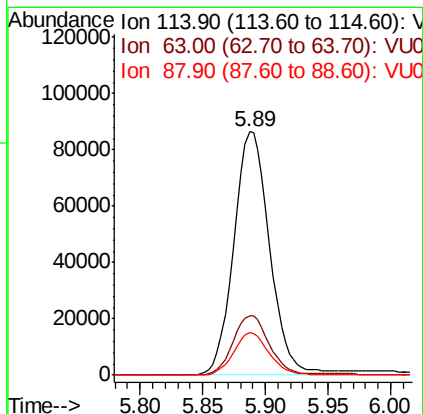
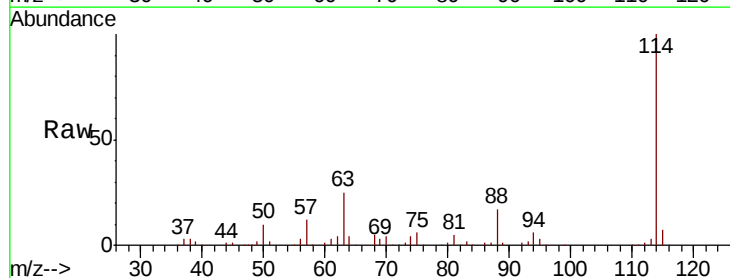
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 I.BLK

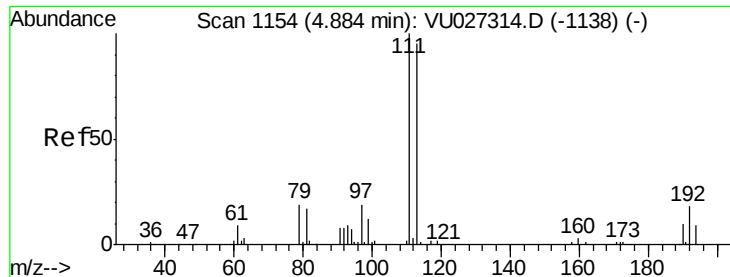
Tot Ion: 65 Resp: 95033  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Tgt Ion: 114 Resp: 172164  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 0.0 50.2  
 88 17.4 0.0 33.8





#35

Dibromofluoromethane

Concen: 58.322 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

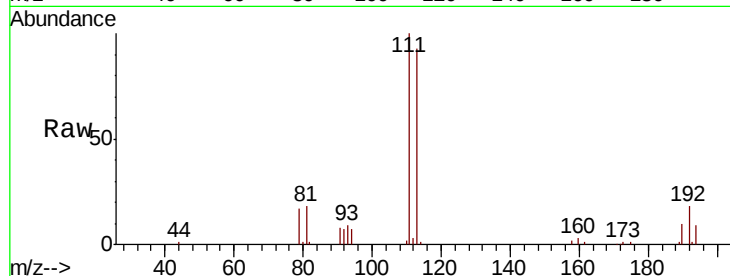
Tot Ion:113 Resp: 68814

Ion Ratio Lower Upper

113 100

111 104.2 83.1 124.7

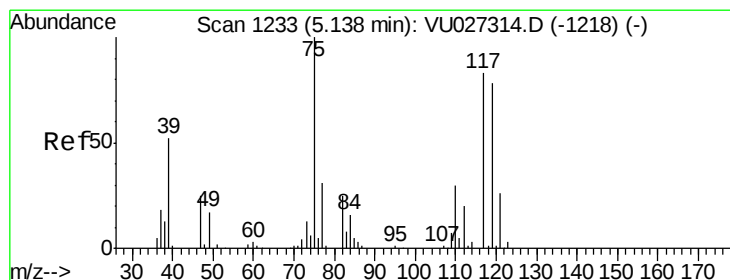
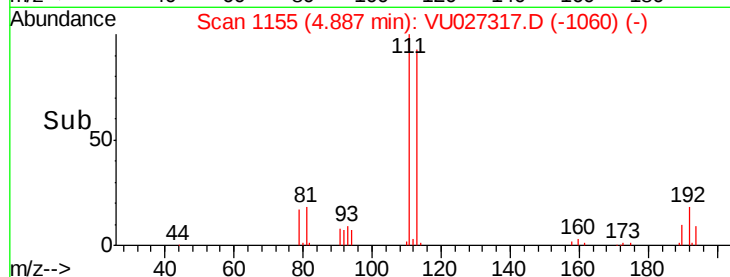
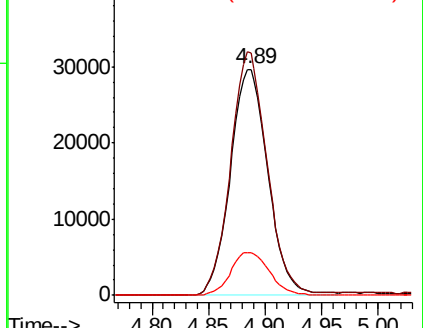
192 19.4 15.4 23.0



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: 0.398 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

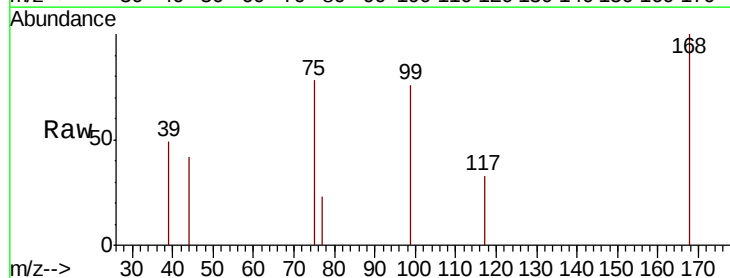
Tgt Ion: 75 Resp: 744

Ion Ratio Lower Upper

75 100

110 0.0 15.5 46.5#

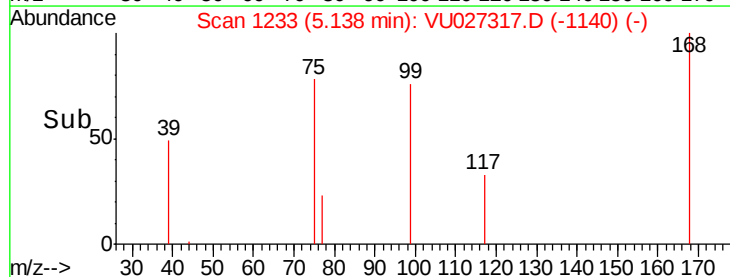
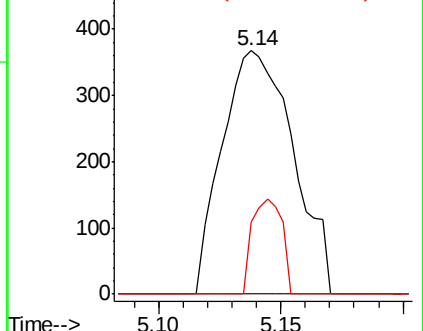
77 16.1 25.4 38.0#

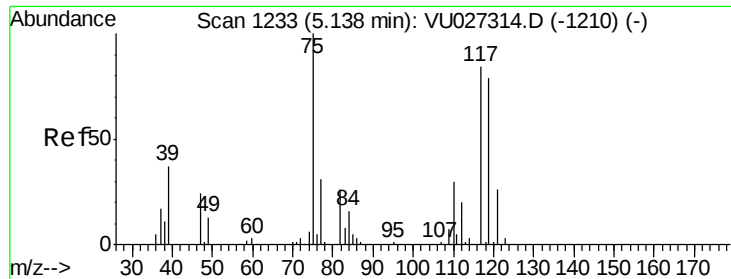


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.225 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

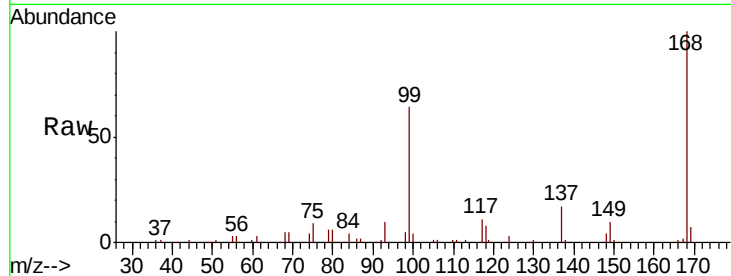
Tot Ion:117 Resp: 10511

Ion Ratio Lower Upper

117 100

119 5.8 74.5 111.7#

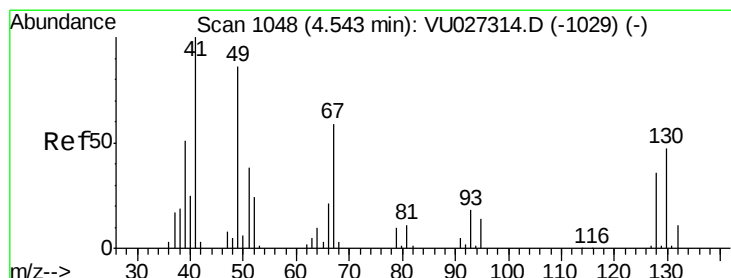
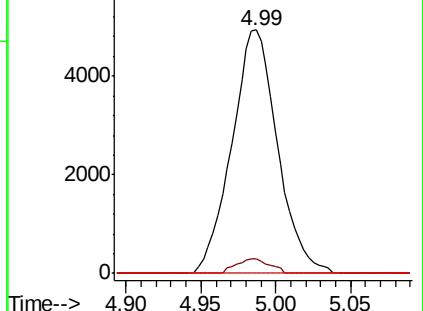
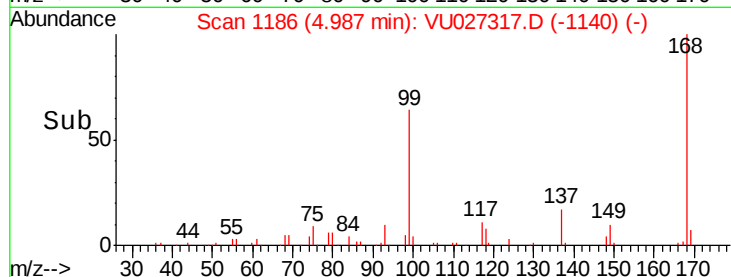
121 0.0 24.6 37.0#



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: 0.368 ug/l

RT: 4.67 min Scan# 1086

Delta R.T. 0.12 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Tgt Ion: 41 Resp: 503

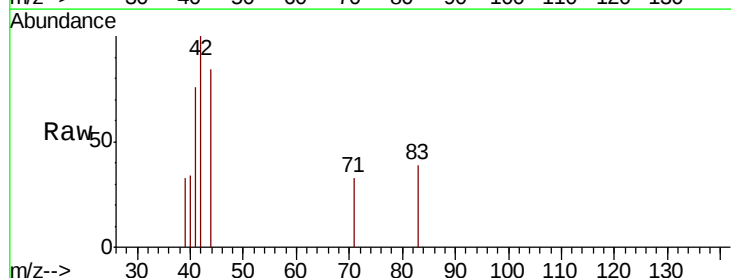
Ion Ratio Lower Upper

41 100

39 12.9 41.1 61.7#

67 0.0 50.4 75.6#

52 0.0 20.3 30.5#

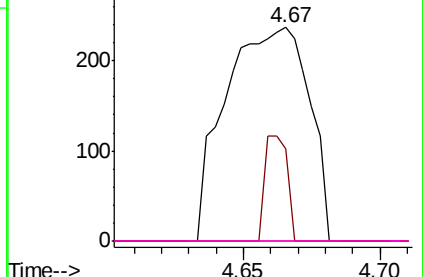
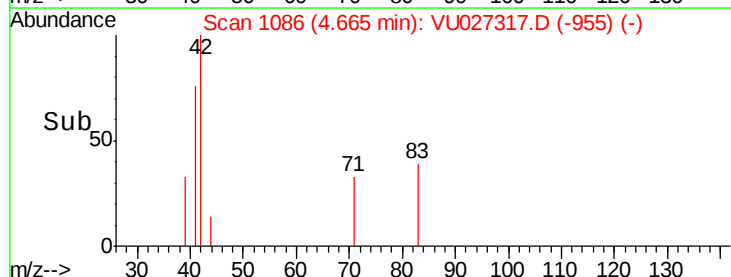


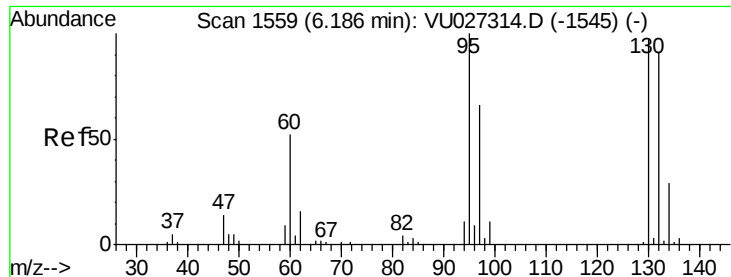
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#44

Trichloroethene

Concen: 0.382 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampled :

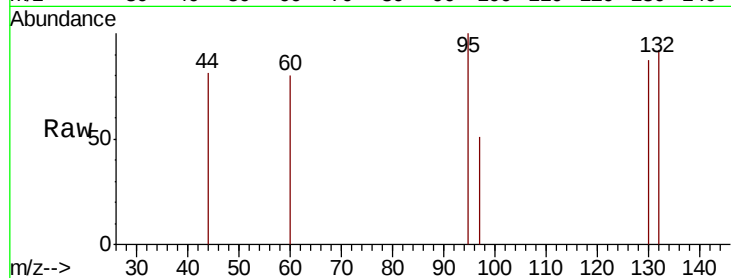
I.BLK

Tot Ion:130 Resp: 464

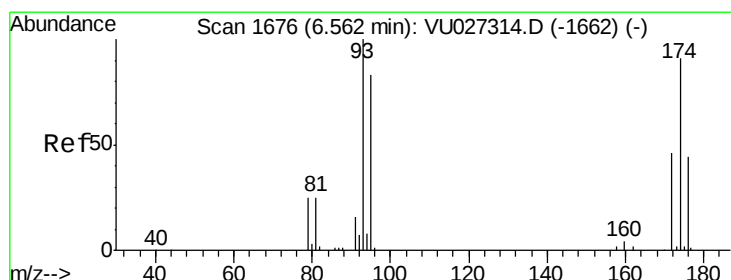
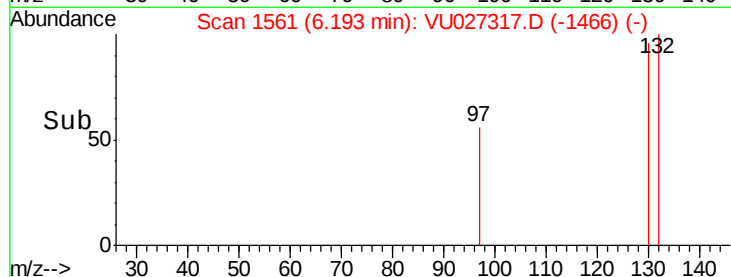
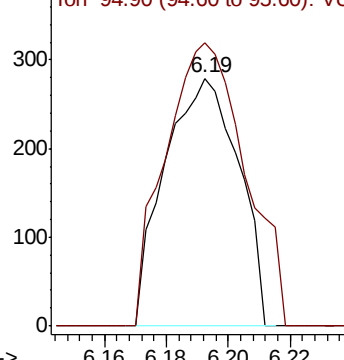
Ion Ratio Lower Upper

130 100

95 114.3 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VU027317.D (-1545) (-)



#46

Dibromomethane

Concen: 0.222 ug/l

RT: 6.57 min Scan# 1678

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

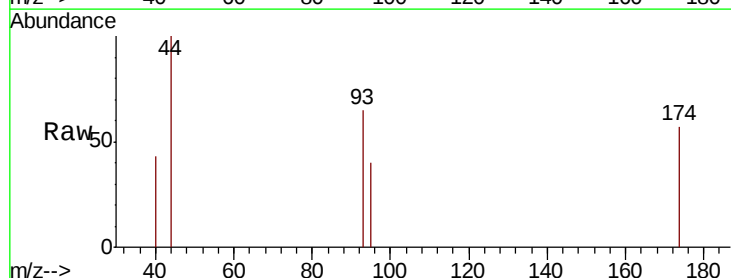
Tgt Ion: 93 Resp: 197

Ion Ratio Lower Upper

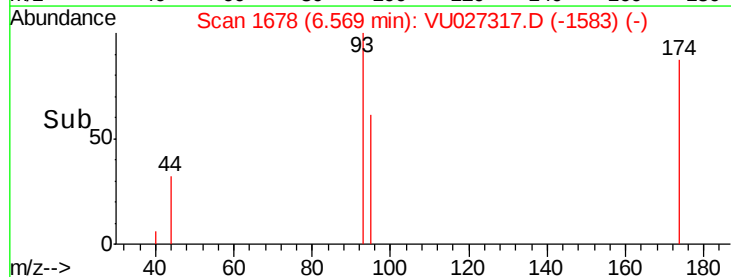
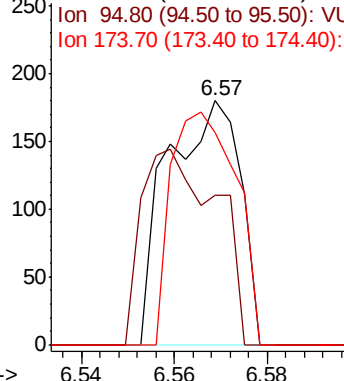
93 100

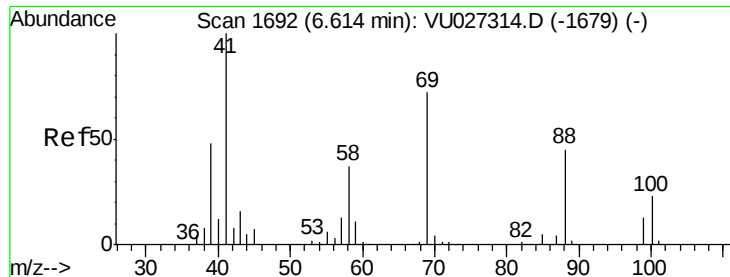
95 81.7 66.5 99.7

174 85.3 72.5 108.7



Abundance Ion 92.80 (92.50 to 93.50): VU027317.D (-1583) (-)





#49

1,4-Dioxane

Concen: 4.018 ug/l

RT: 6.63 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

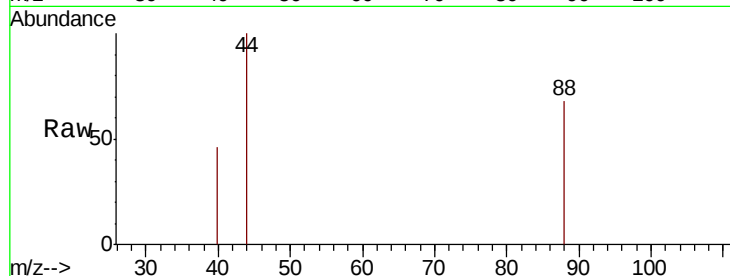
Tot Ion: 88 Resp: 129

Ion Ratio Lower Upper

88 100

43 0.0 30.8 46.2#

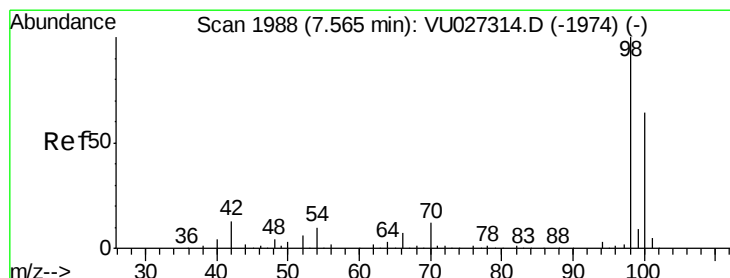
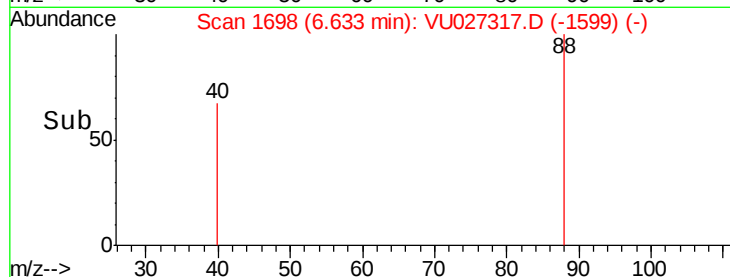
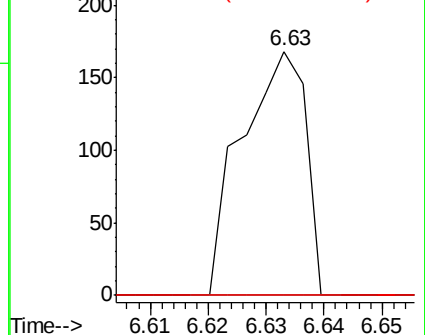
58 0.0 67.0 100.6#



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 61.418 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU027317.D

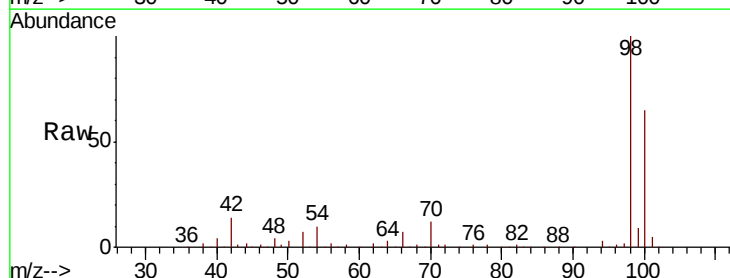
Acq: 01 Oct 2018 12:29

Tgt Ion: 98 Resp: 271221

Ion Ratio Lower Upper

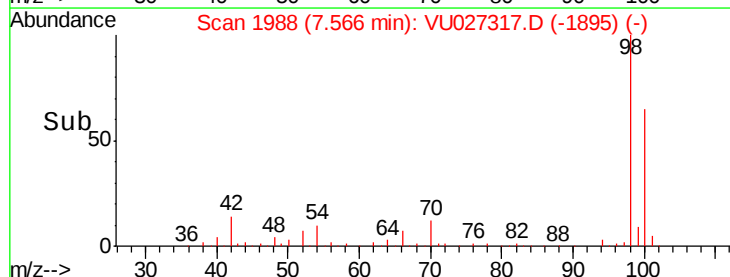
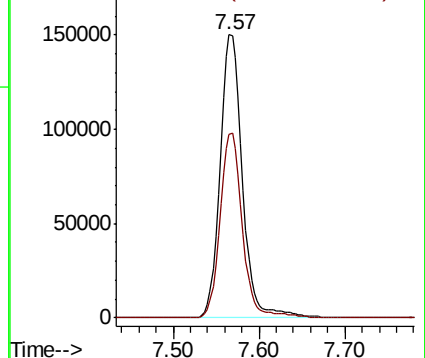
98 100

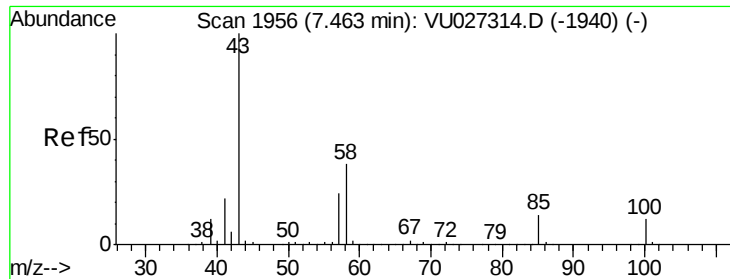
100 65.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.792 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampled :

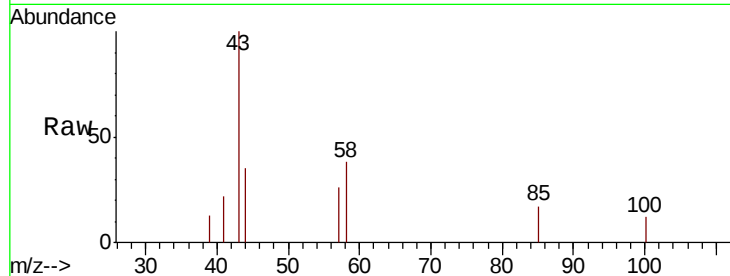
I.BLK

Tot Ion: 43 Resp: 1932

Ion Ratio Lower Upper

43 100

58 31.0 29.8 44.8



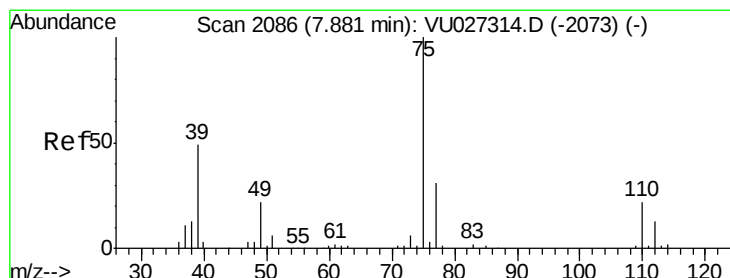
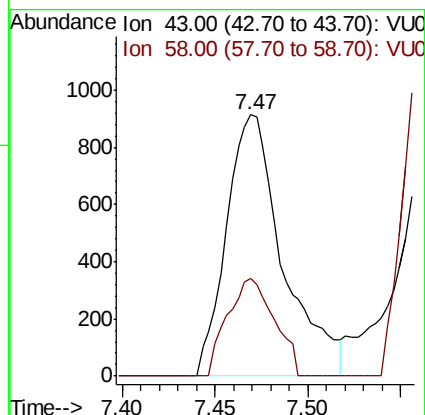
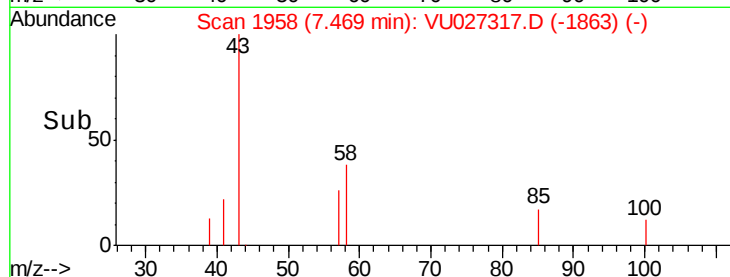
Abundance Ion 43.00 (42.70 to 43.70): VU027317.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU027317.D (-1958) (-)

7.47

7.45 7.50

Time-->



#53

t-1,3-Dichloropropene

Concen: 0.346 ug/l

RT: 7.89 min Scan# 2090

Delta R.T. 0.01 min

Lab File: VU027317.D

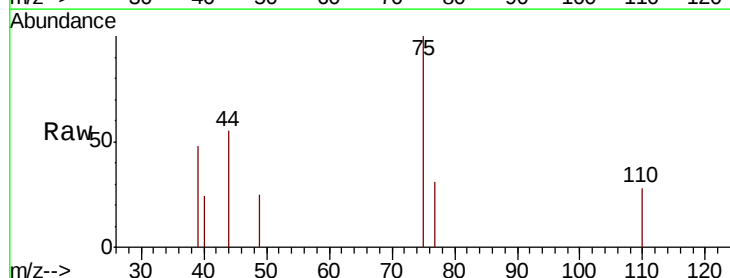
Acq: 01 Oct 2018 12:29

Tgt Ion: 75 Resp: 747

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.6



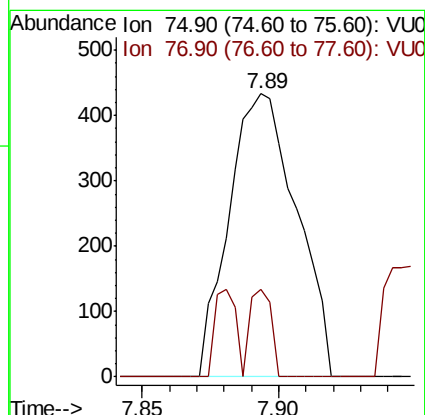
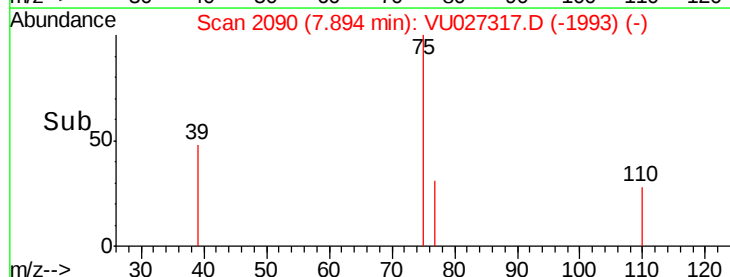
Abundance Ion 74.90 (74.60 to 75.60): VU027317.D (-2090) (-)

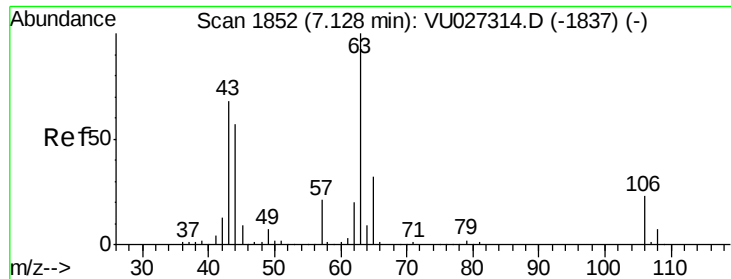
Ion 76.90 (76.60 to 77.60): VU027317.D (-2090) (-)

7.89

7.85 7.90

Time-->

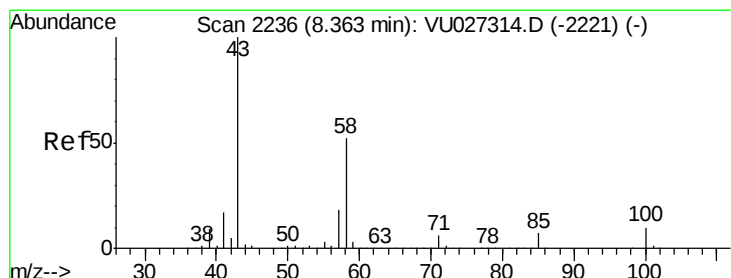
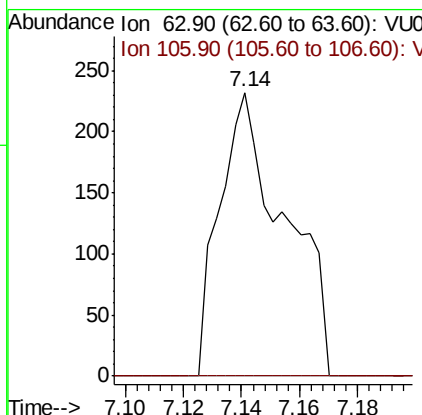
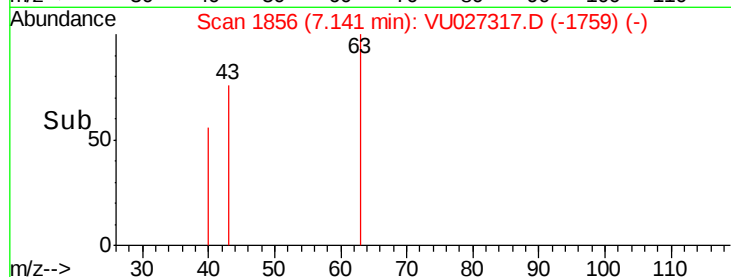
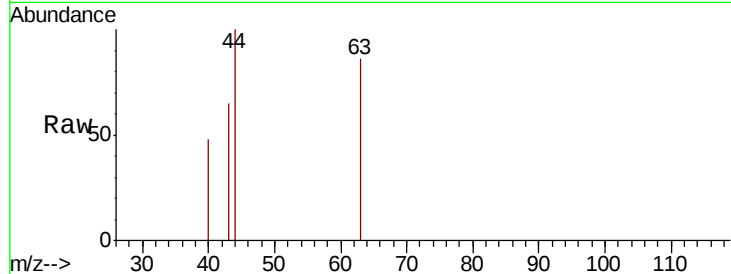




#58  
 2-Chloroethyl Vinyl ether  
 Concen: 8.491 ug/l  
 RT: 7.14 min Scan# 1856  
 Delta R.T. 0.01 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

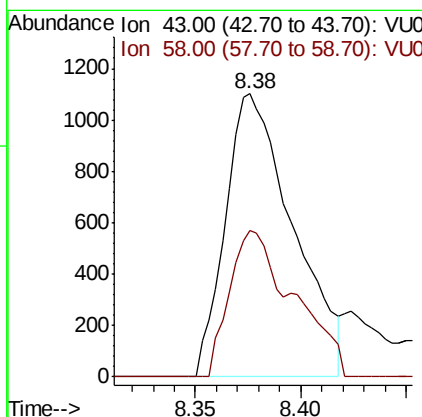
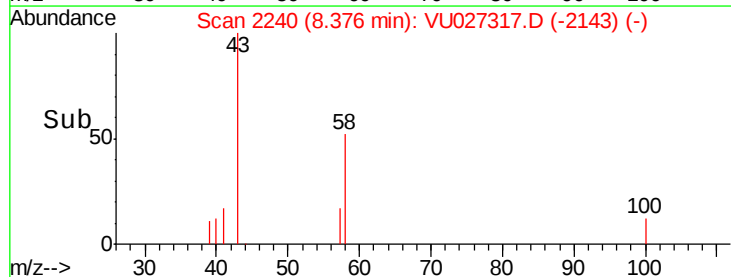
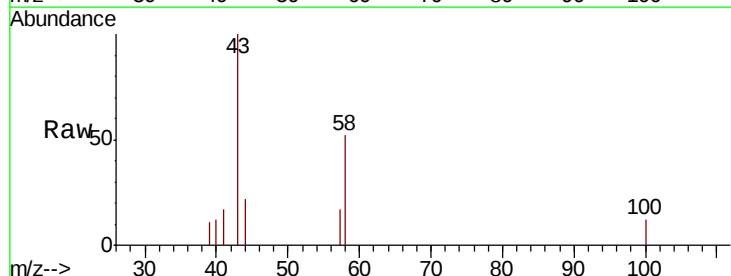
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 I.BLK

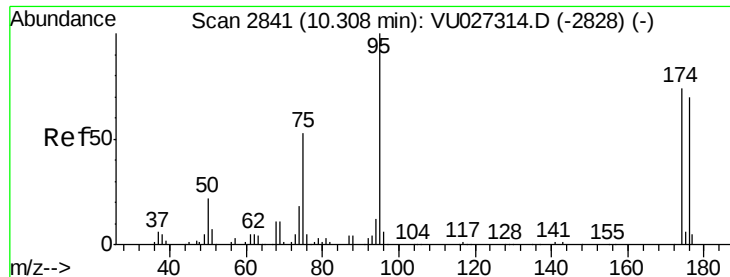
Tot Ion: 63 Resp: 362  
 Ion Ratio Lower Upper  
 63 100  
 106 0.0 18.5 27.7#



#59  
 2-Hexanone  
 Concen: 1.298 ug/l  
 RT: 8.38 min Scan# 2240  
 Delta R.T. 0.01 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Tgt Ion: 43 Resp: 2455  
 Ion Ratio Lower Upper  
 43 100  
 58 49.2 26.1 78.3

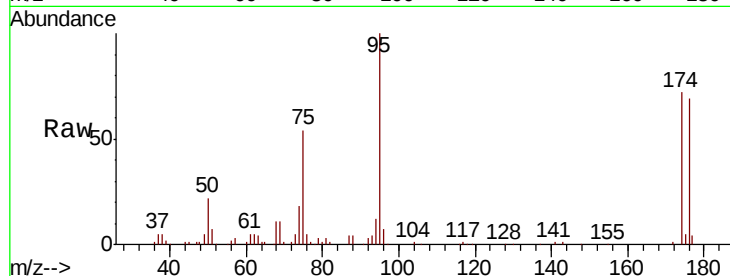




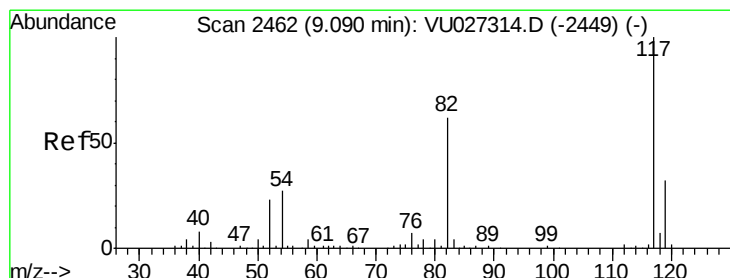
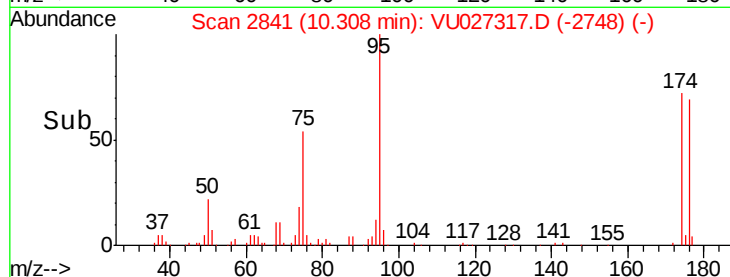
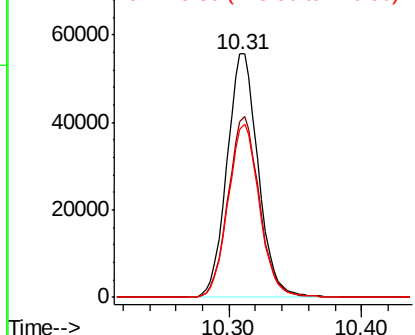
#62  
 4-Bromofluorobenzene  
 Concen: 55.530 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 I.BLK

Tot Ion: 95 Resp: 91133  
 Ion Ratio Lower Upper  
 95 100  
 174 74.3 0.0 147.8  
 176 71.3 0.0 140.8

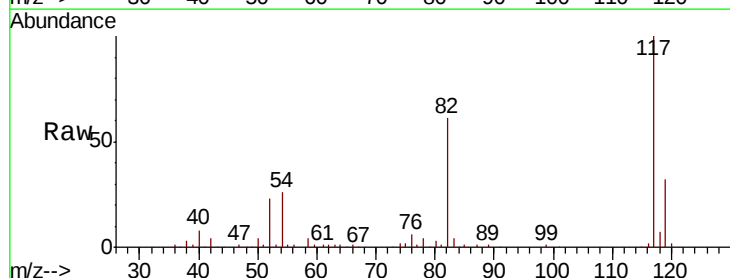


Abundance Ion 94.90 (94.60 to 95.60): VU0  
 Ion 173.80 (173.50 to 174.50): V  
 Ion 175.80 (175.50 to 176.50): V

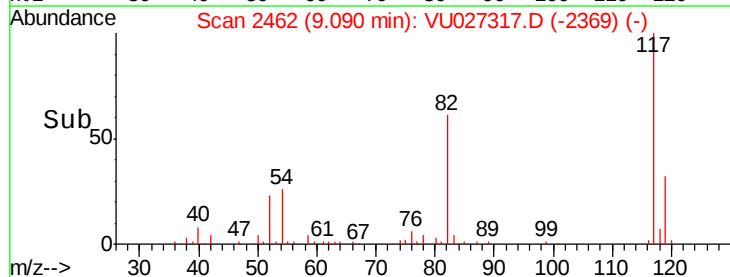
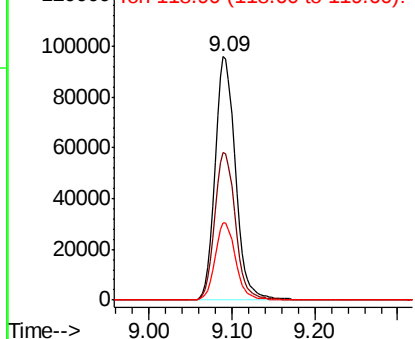


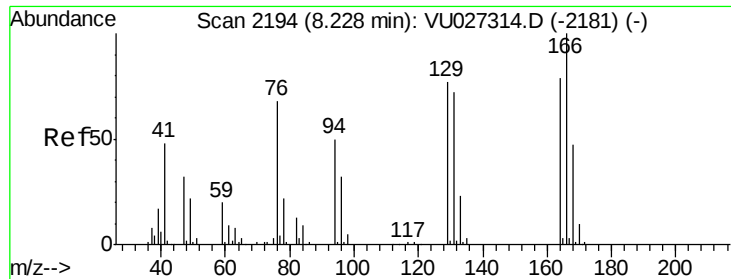
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 9.09 min Scan# 2462  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Tgt Ion: 117 Resp: 163567  
 Ion Ratio Lower Upper  
 117 100  
 82 60.7 49.2 73.8  
 119 31.7 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): V  
 Ion 82.00 (81.70 to 82.70): VU0  
 Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.308 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

Tot Ion:164 Resp: 314

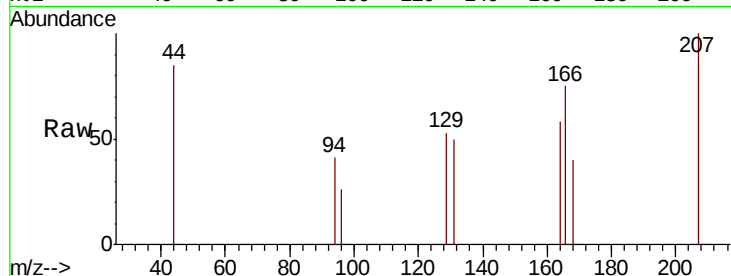
Ion Ratio Lower Upper

164 100

166 128.1 101.0 151.6

129 90.9 78.0 117.0

131 86.4 72.6 109.0

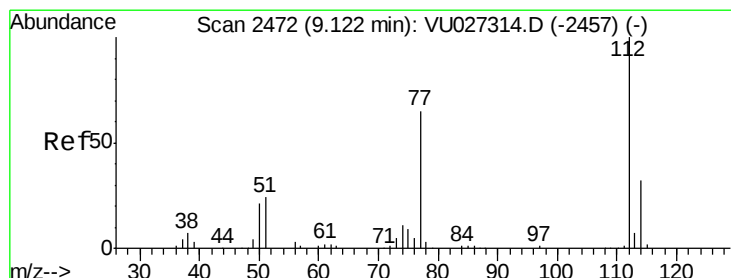
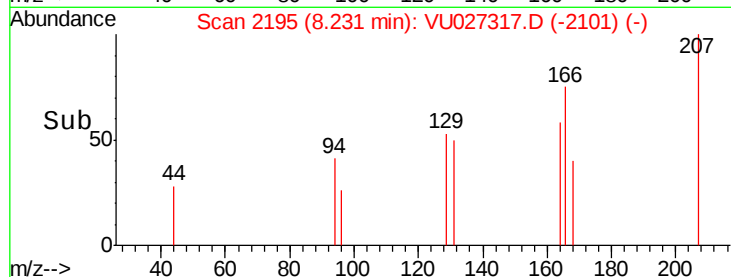
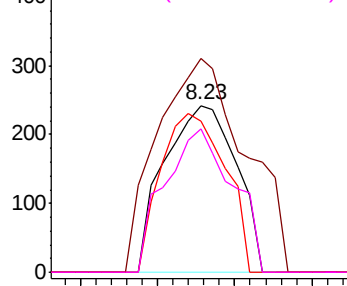


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.322 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU027317.D

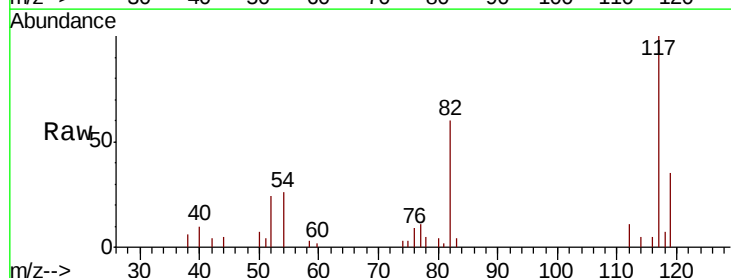
Acq: 01 Oct 2018 12:29

Tgt Ion:112 Resp: 1109

Ion Ratio Lower Upper

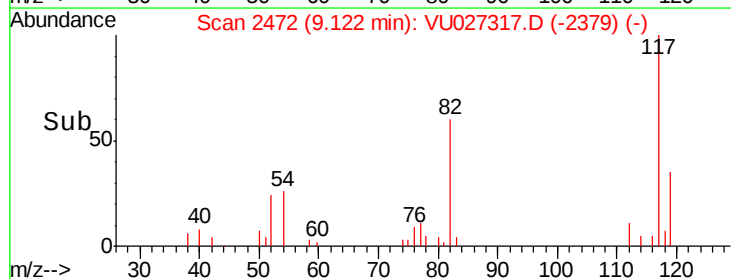
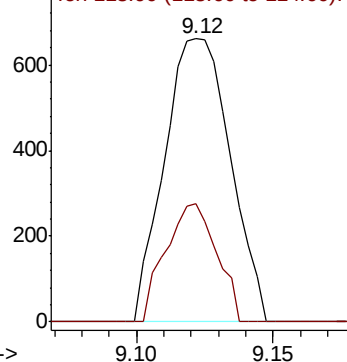
112 100

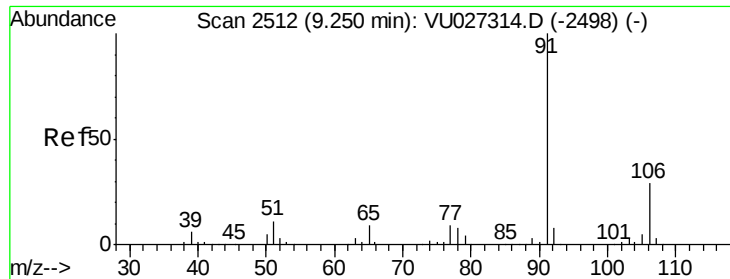
114 41.8 25.8 38.6#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

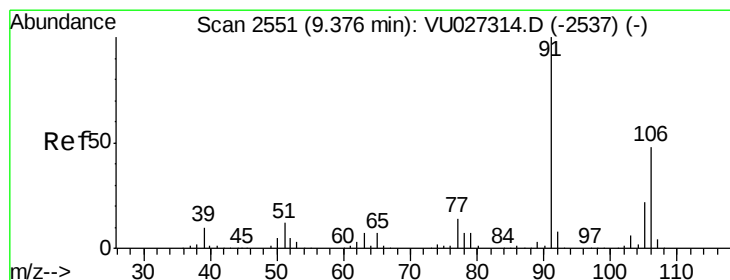
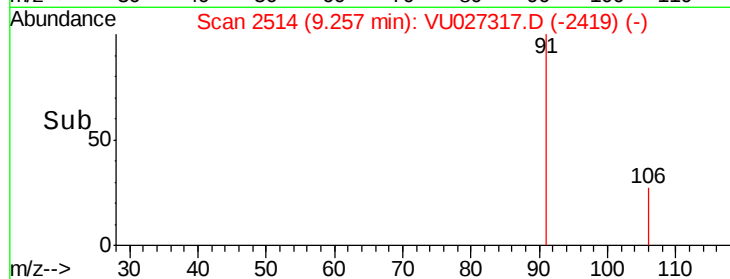
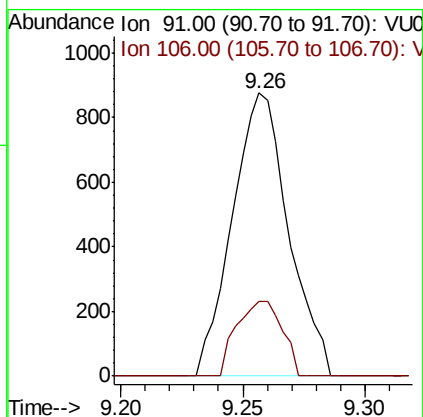
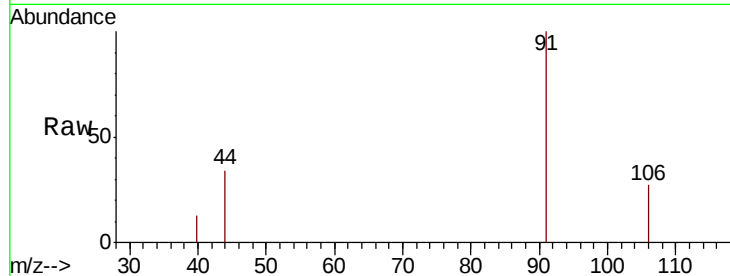




#67  
Ethyl Benzene  
Concen: 0.229 ug/l  
RT: 9.26 min Scan# 2514  
Delta R.T. 0.01 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

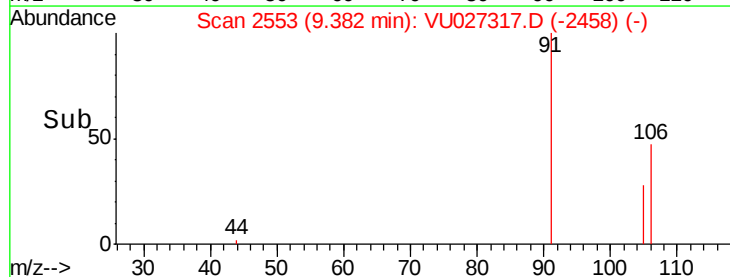
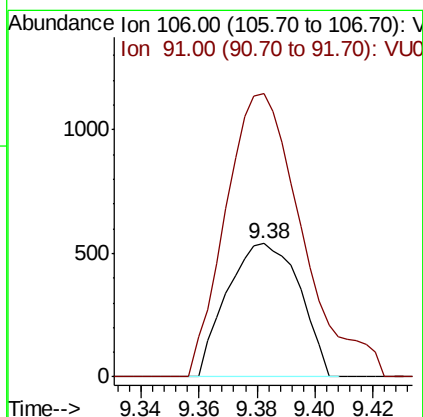
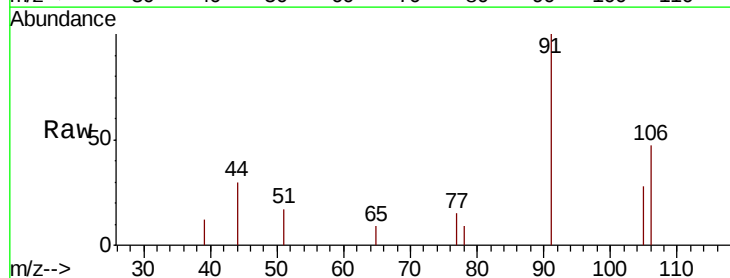
Instrument :  
MSVOA\_U  
ClientSampleId :  
I.BLK

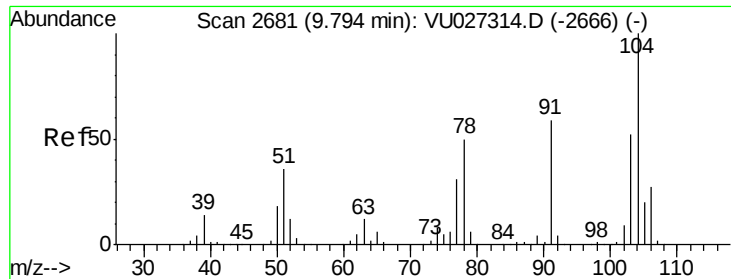
Tot Ion: 91 Resp: 1397  
Ion Ratio Lower Upper  
91 100  
106 26.6 23.6 35.4



#68  
m/p-Xylenes  
Concen: 0.421 ug/l  
RT: 9.38 min Scan# 2553  
Delta R.T. 0.01 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

Tgt Ion: 106 Resp: 939  
Ion Ratio Lower Upper  
106 100  
91 223.3 168.1 252.1

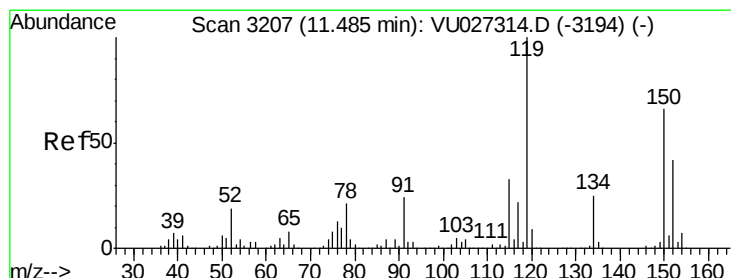
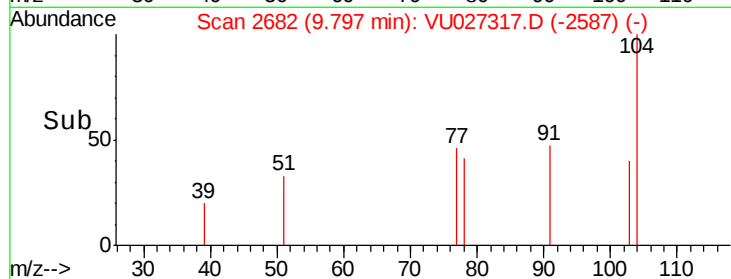
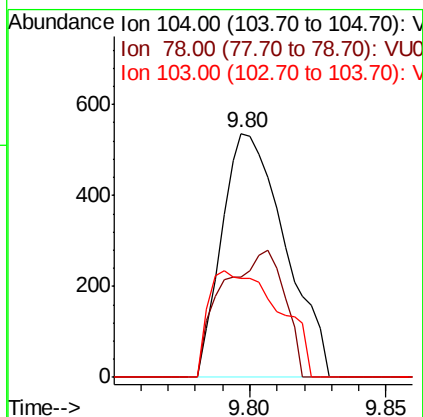
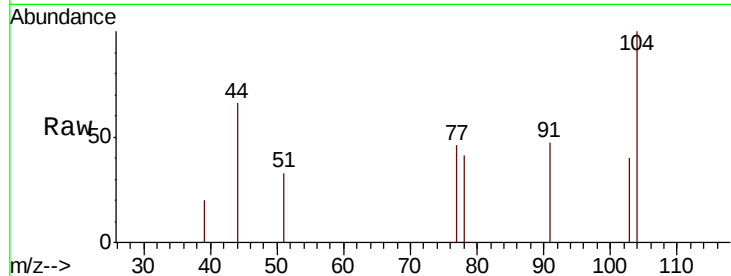




#70  
Stvrene  
Concen: 2.507 ug/l  
RT: 9.80 min Scan# 2682  
Delta R.T. 0.00 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

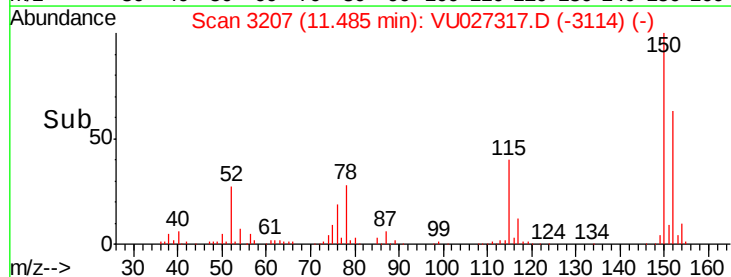
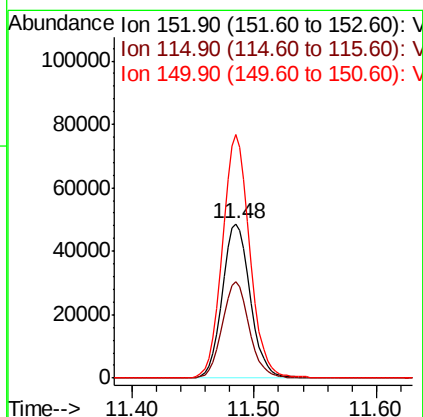
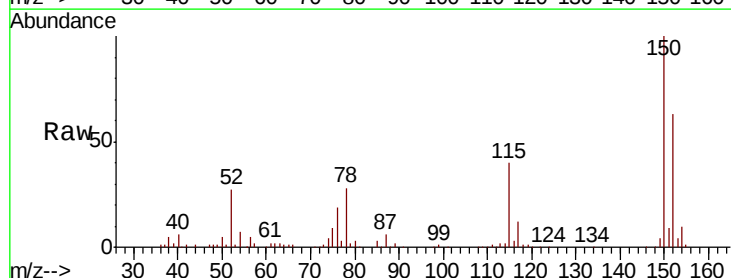
Instrument :  
MSVOA\_U  
ClientSampled :  
I.BLK

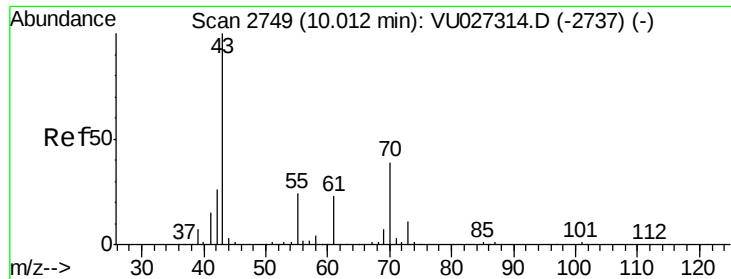
Tot Ion:104 Resp: 862  
Ion Ratio Lower Upper  
104 100  
78 50.8 42.9 64.3  
103 48.8 43.9 65.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. 0.00 min  
Lab File: VU027317.D  
Acq: 01 Oct 2018 12:29

Tgt Ion:152 Resp: 78372  
Ion Ratio Lower Upper  
152 100  
115 60.6 43.4 130.2  
150 154.9 0.0 349.2





#74

N-amvl acetate

Concen: 0.563 ug/l

RT: 10.02 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

Tot Ion: 43 Resp: 1836

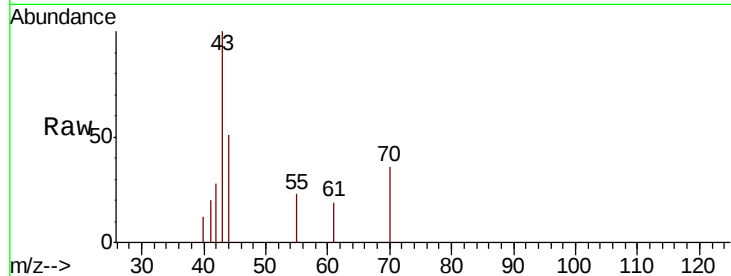
Ion Ratio Lower Upper

43 100

70 32.7 31.3 46.9

55 15.8 19.0 28.6#

61 11.2 18.5 27.7#

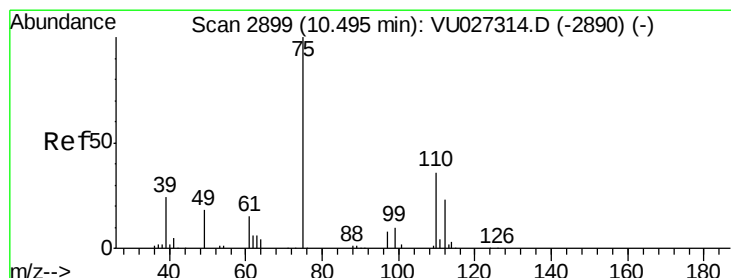
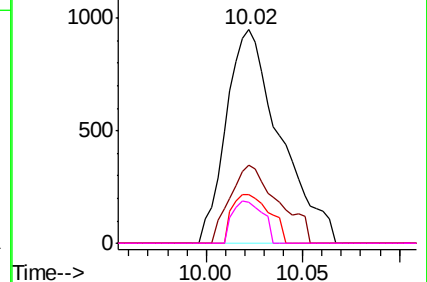
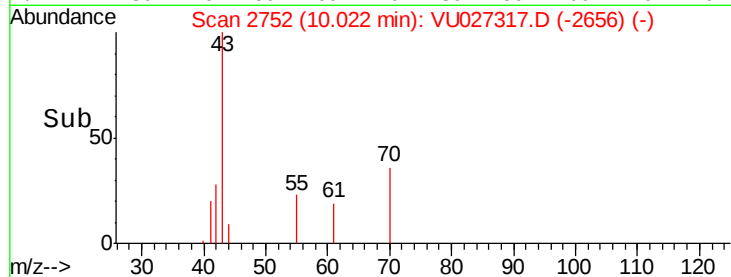


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 24.047 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027317.D

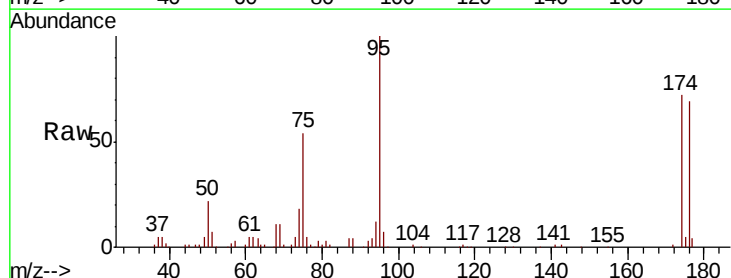
Acq: 01 Oct 2018 12:29

Tgt Ion: 75 Resp: 48853

Ion Ratio Lower Upper

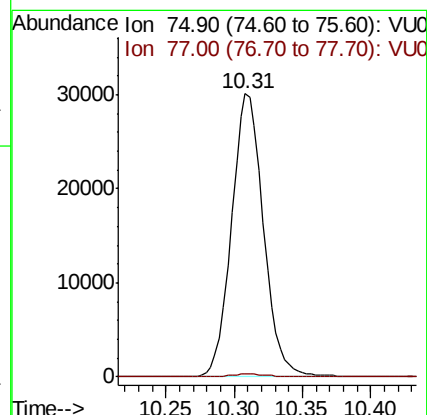
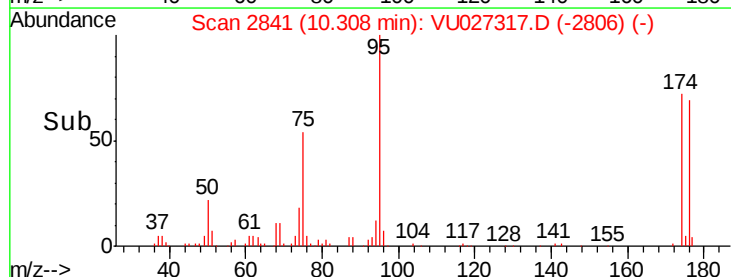
75 100

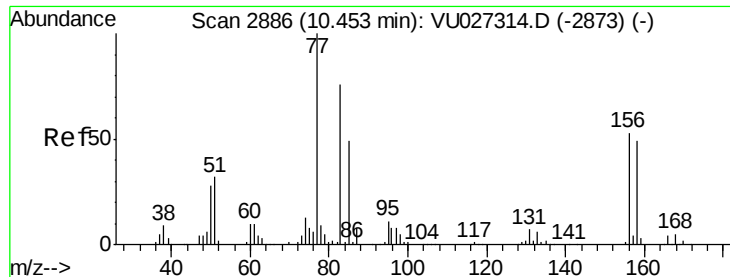
77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 0.410 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

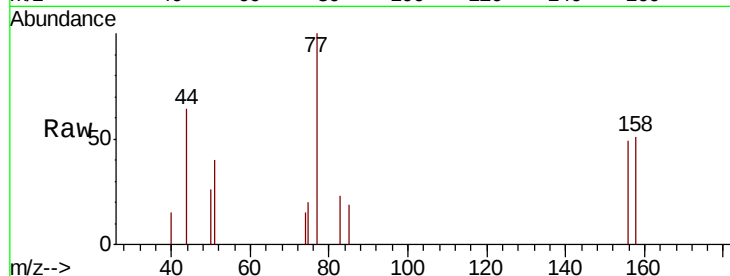
Tot Ion:156 Resp: 543

Ion Ratio Lower Upper

156 100

77 216.6 94.8 284.4

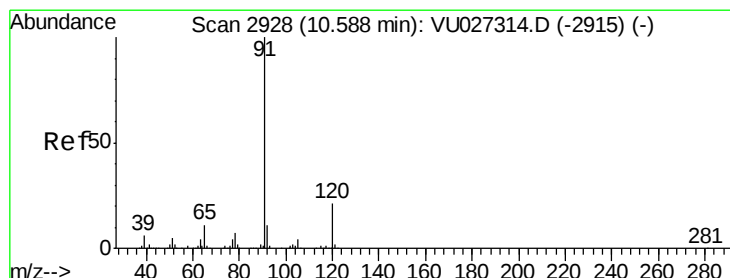
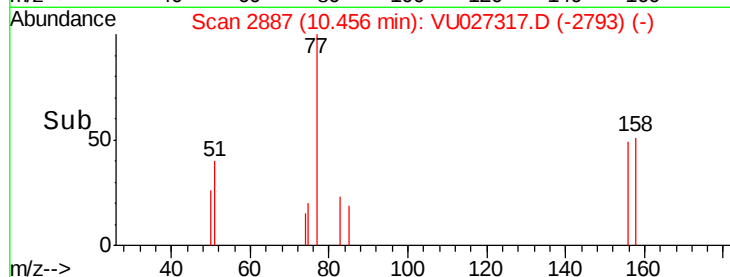
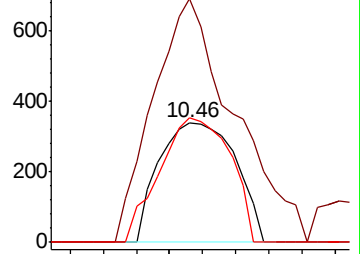
158 95.9 47.4 142.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.326 ug/l

RT: 10.59 min Scan# 2930

Delta R.T. 0.01 min

Lab File: VU027317.D

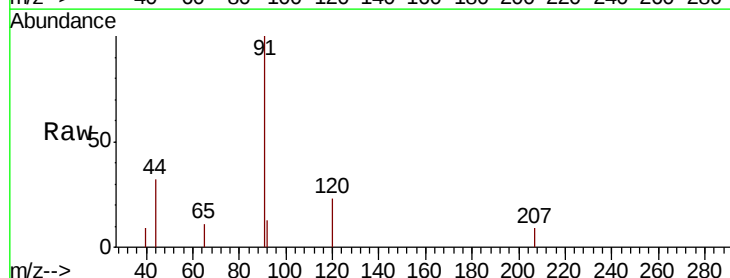
Acq: 01 Oct 2018 12:29

Tgt Ion: 91 Resp: 2228

Ion Ratio Lower Upper

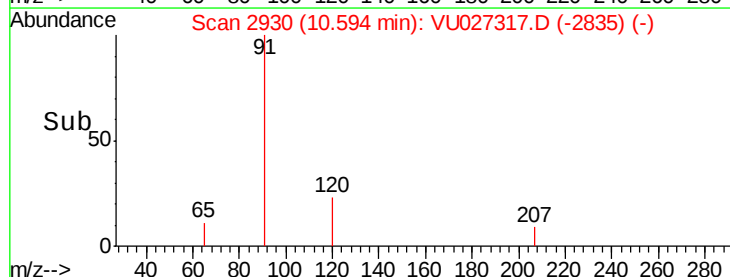
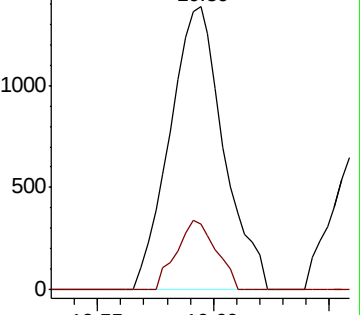
91 100

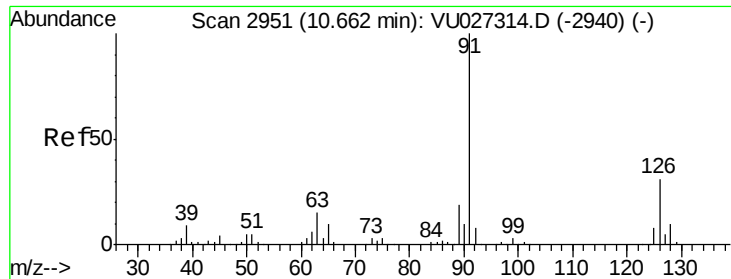
120 18.1 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

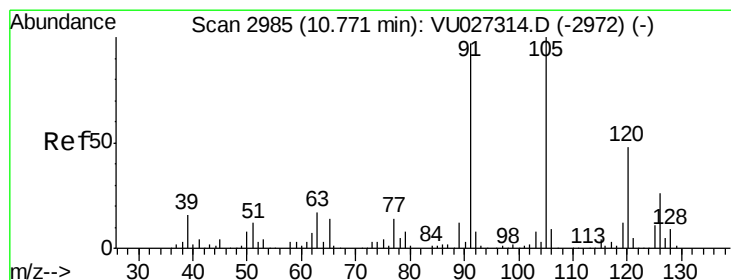
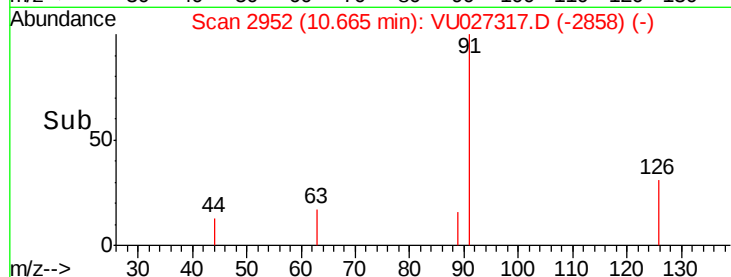
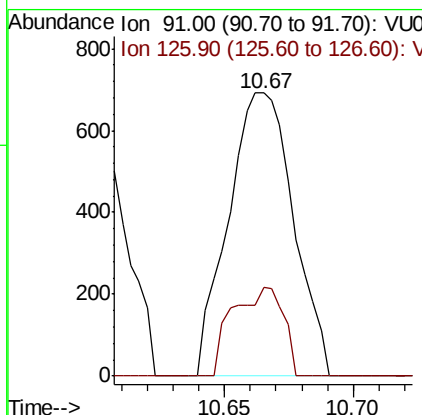
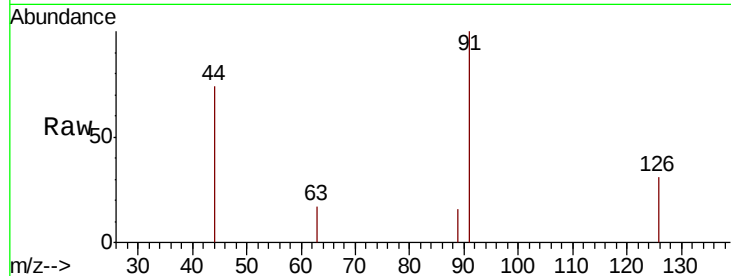




#79  
 2-Chlorotoluene  
 Concen: 0.295 ug/l  
 RT: 10.67 min Scan# 2952  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

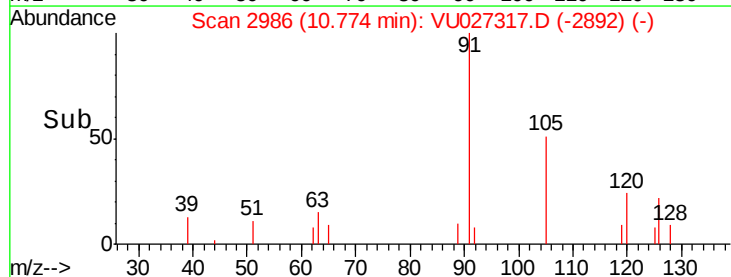
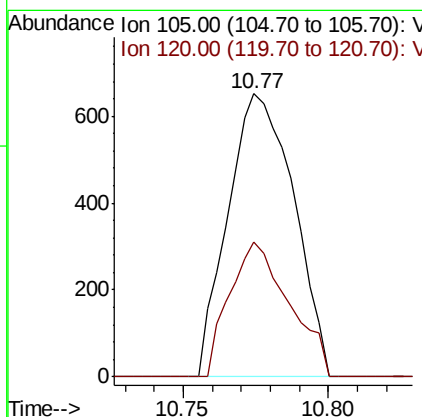
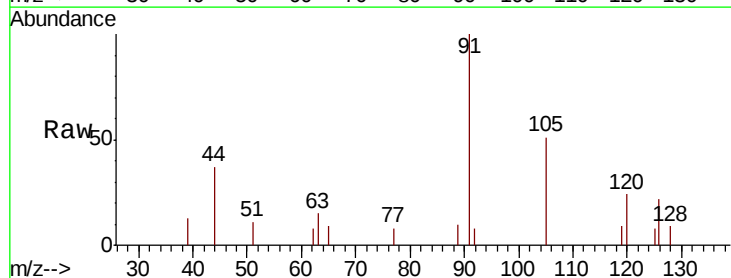
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 I.BLK

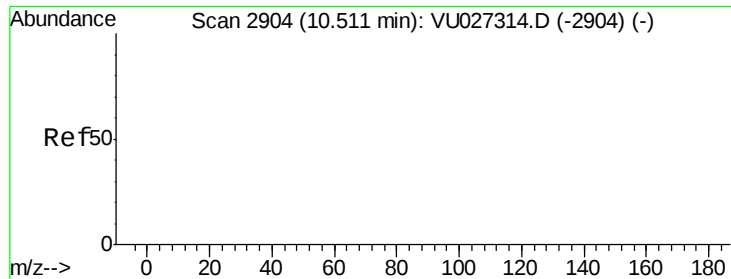
Tot Ion: 91 Resp: 1217  
 Ion Ratio Lower Upper  
 91 100  
 126 24.5 15.7 47.1



#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.221 ug/l  
 RT: 10.77 min Scan# 2986  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Tgt Ion: 105 Resp: 1025  
 Ion Ratio Lower Upper  
 105 100  
 120 43.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 62.933 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

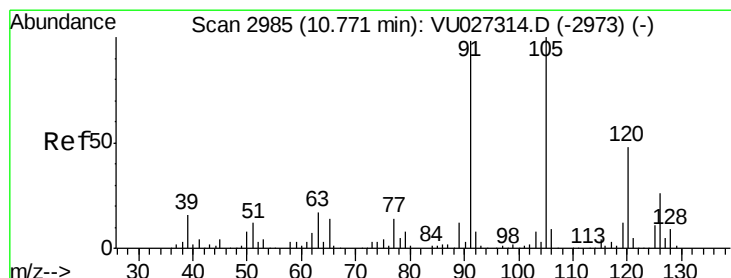
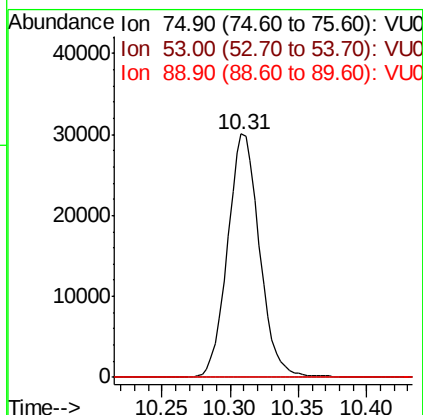
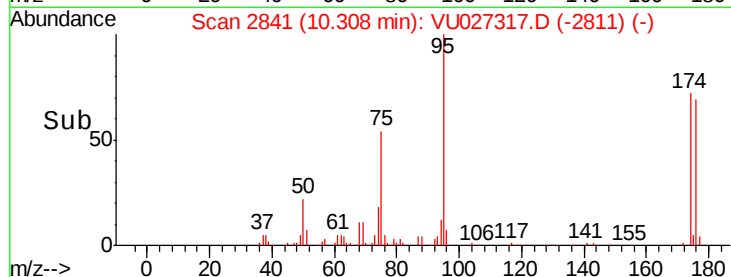
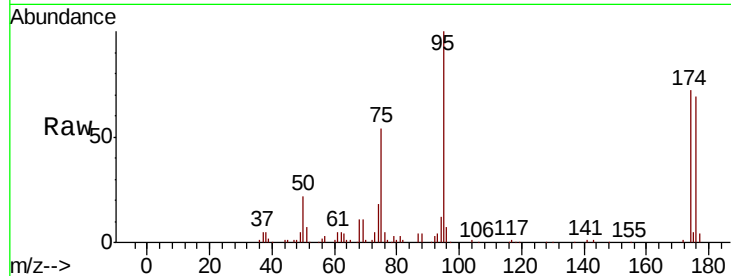
Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :  
MSVOA\_U  
ClientSampled :  
I.BLK

Tot Ion: 75 Resp: 48853

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 53  | 0.0   | 0.0   | 0.0   |
| 89  | 0.0   | 0.0   | 0.0   |



#82

4-Chlorotoluene

Concen: 0.500 ug/l

RT: 10.78 min Scan# 2988

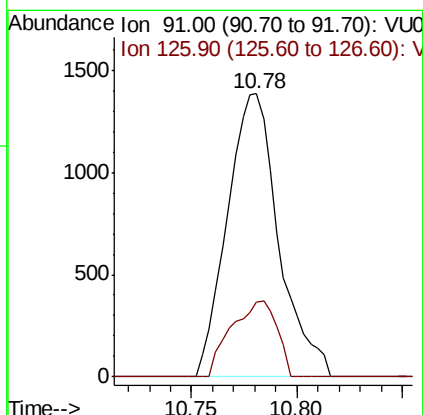
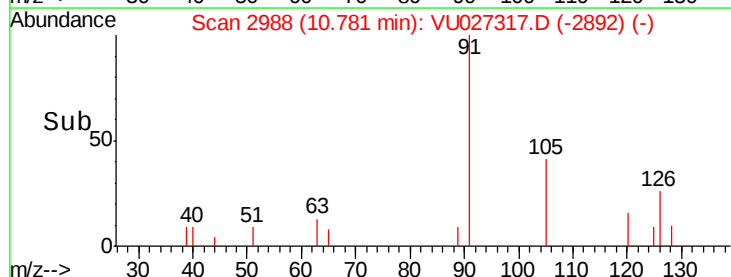
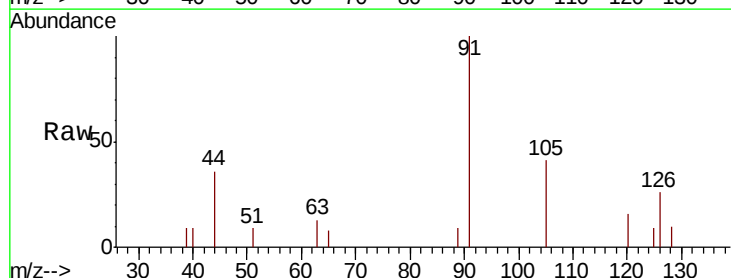
Delta R.T. 0.01 min

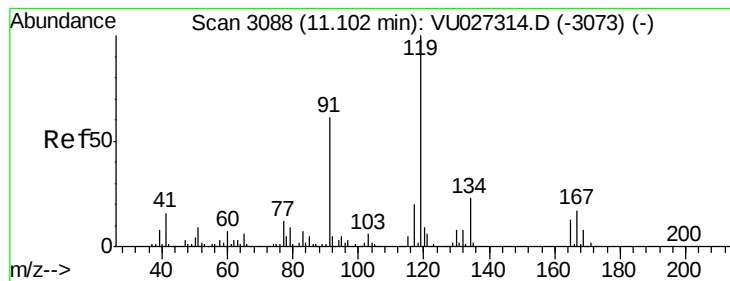
Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Tgt Ion: 91 Resp: 2344

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 23.6  | 13.6  | 40.8  |





#83

tert-Butylbenzene

Concen: 0.202 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampled :

I.BLK

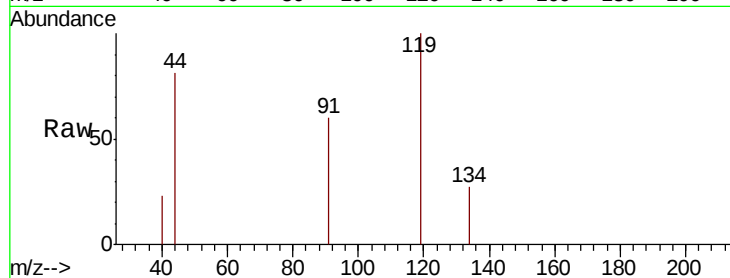
Tot Ion:119 Resp: 903

Ion Ratio Lower Upper

119 100

91 59.0 30.3 91.0

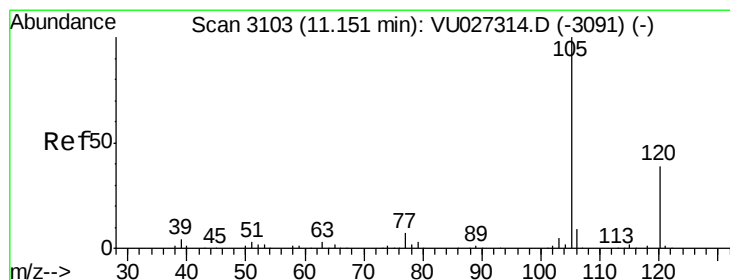
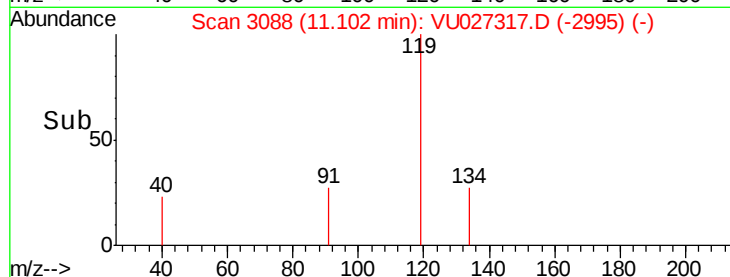
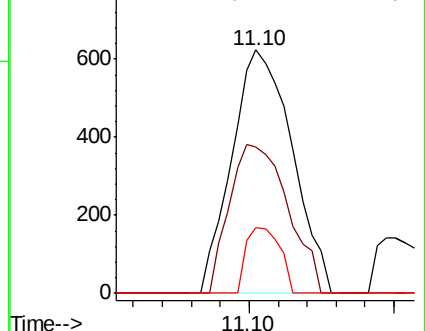
134 15.2 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.289 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU027317.D

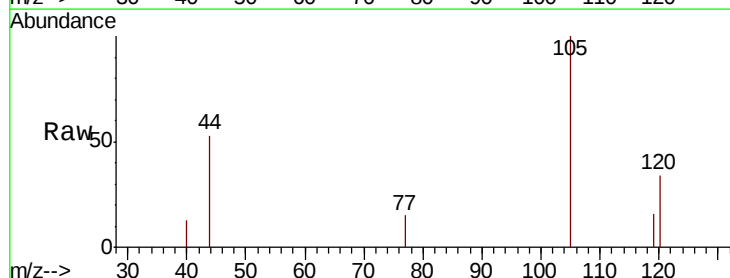
Acq: 01 Oct 2018 12:29

Tgt Ion:105 Resp: 1369

Ion Ratio Lower Upper

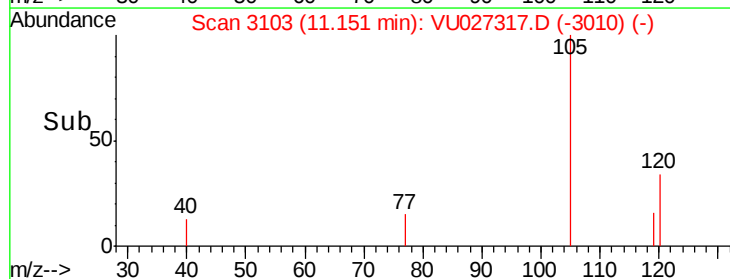
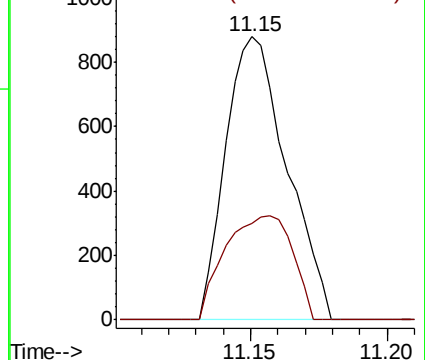
105 100

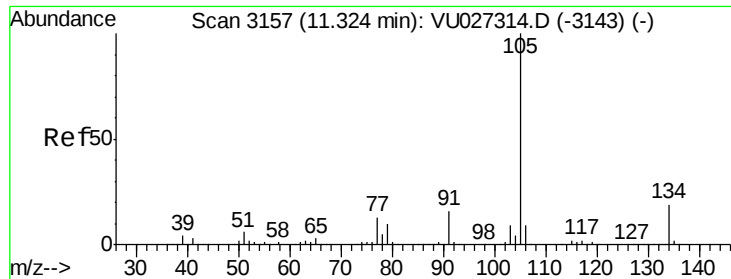
120 40.5 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

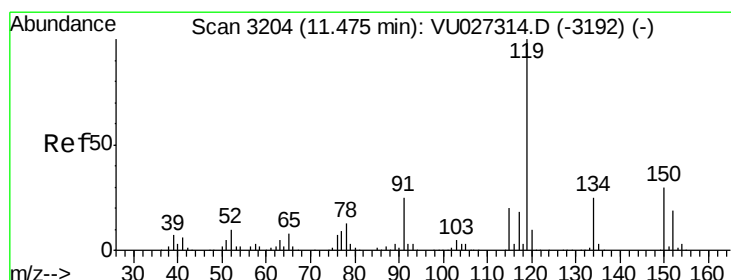
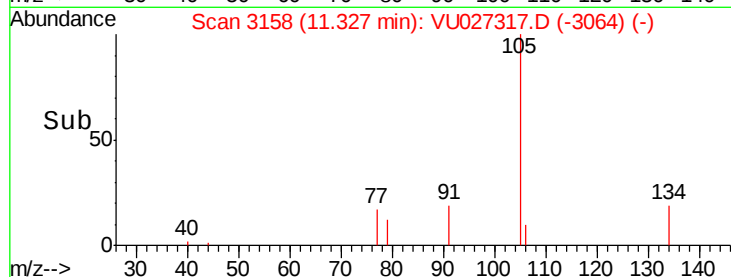
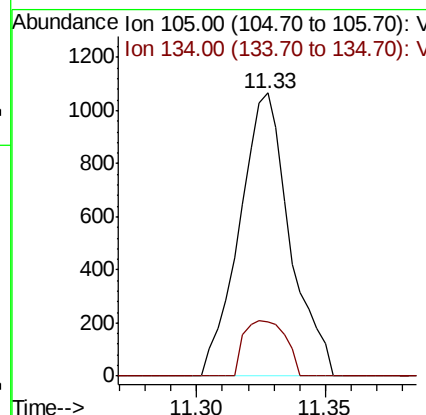
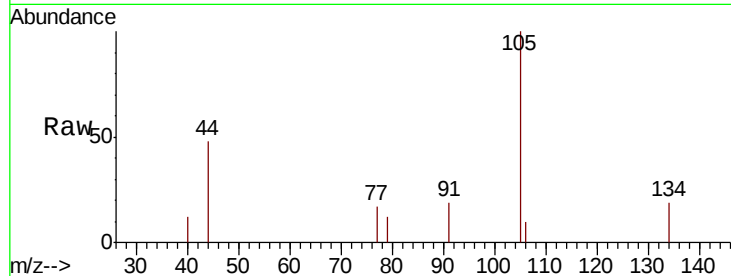




#85  
 sec-Butylbenzene  
 Concen: 0.257 ug/l  
 RT: 11.33 min Scan# 3158  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

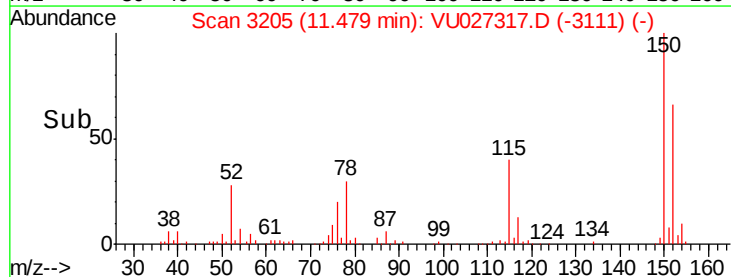
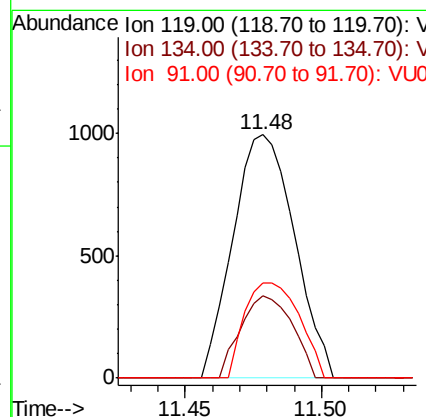
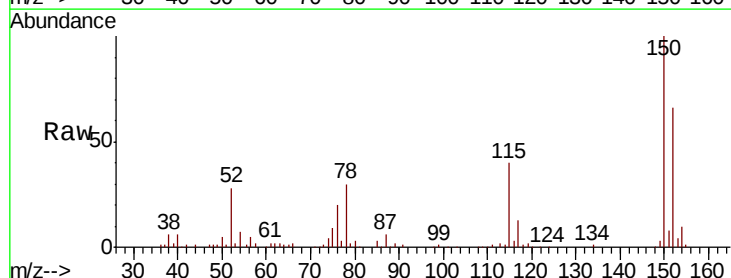
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 I.BLK

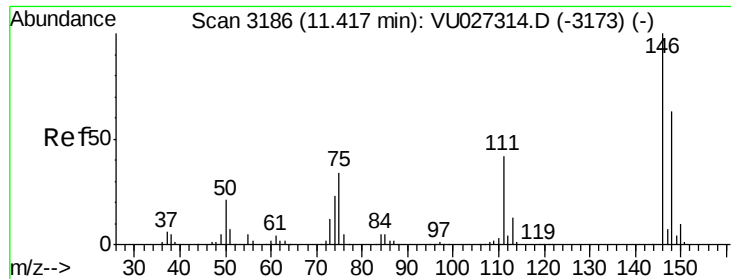
Tot Ion:105 Resp: 1448  
 Ion Ratio Lower Upper  
 105 100  
 134 16.2 9.6 28.6



#86  
 p-Isopropyltoluene  
 Concen: 0.322 ug/l  
 RT: 11.48 min Scan# 3205  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Tgt Ion:119 Resp: 1557  
 Ion Ratio Lower Upper  
 119 100  
 134 28.5 12.7 38.1  
 91 34.9 12.2 36.4

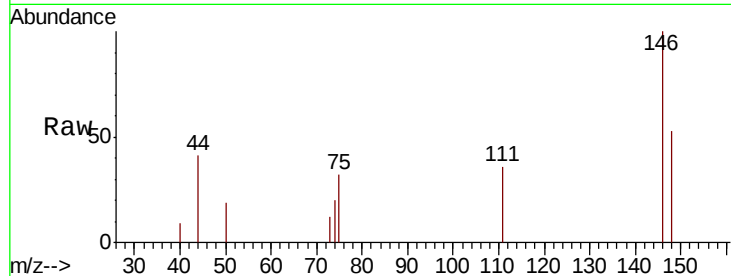




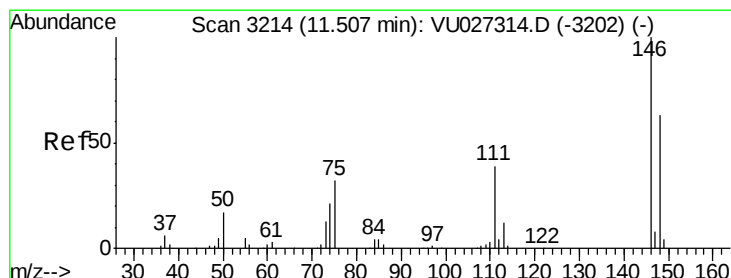
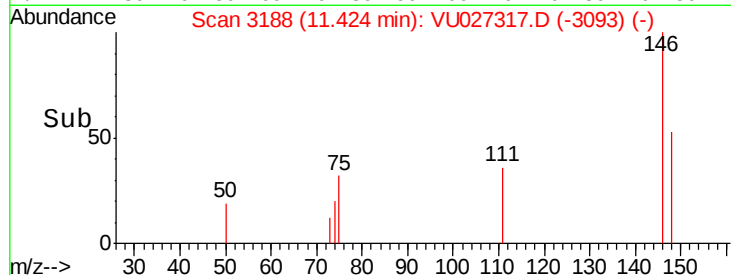
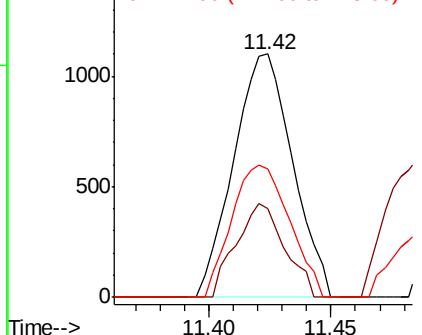
#87  
 1,3-Dichlorobenzene  
 Concen: 0.735 ug/l  
 RT: 11.42 min Scan# 3188  
 Delta R.T. 0.01 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 I.BLK

Tot Ion:146 Resp: 1840  
 Ion Ratio Lower Upper  
 146 100  
 111 31.8 20.8 62.5  
 148 53.4 31.6 94.8

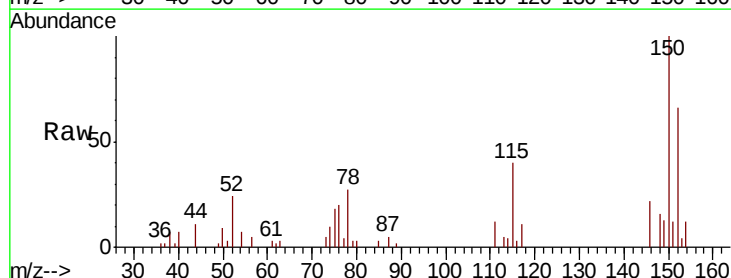


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

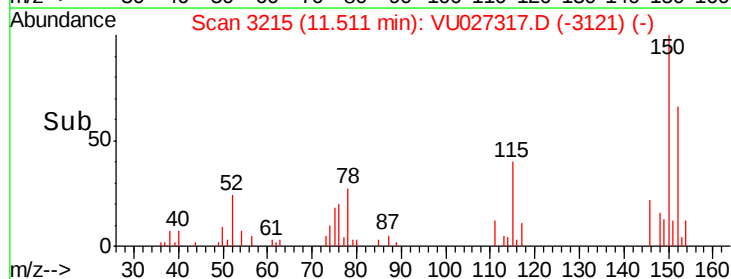
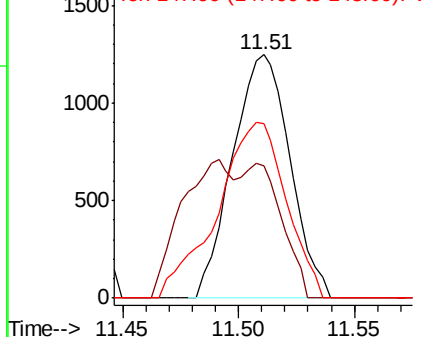


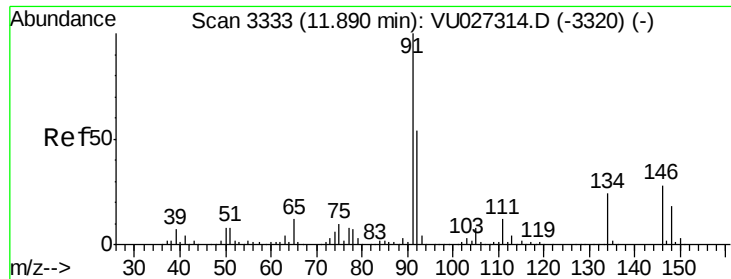
#88  
 1,4-Dichlorobenzene  
 Concen: 0.838 ug/l  
 RT: 11.51 min Scan# 3215  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Tgt Ion:146 Resp: 2144  
 Ion Ratio Lower Upper  
 146 100  
 111 51.0 20.4 61.2  
 148 86.8 31.9 95.5



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





#89

n-Butylbenzene

Concen: 2.489 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

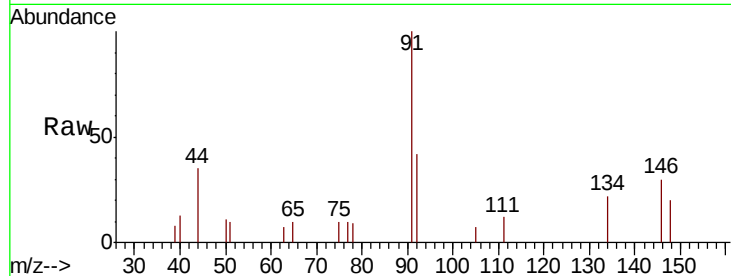
Tot Ion: 91 Resp: 2879

Ion Ratio Lower Upper

91 100

92 45.5 27.0 81.0

134 17.8 11.7 35.1

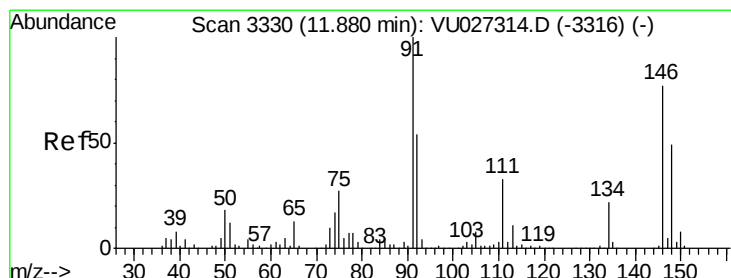
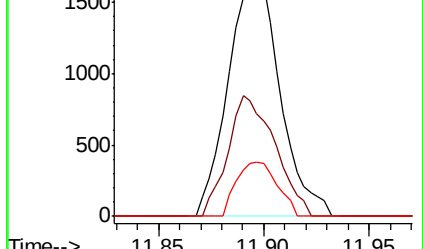
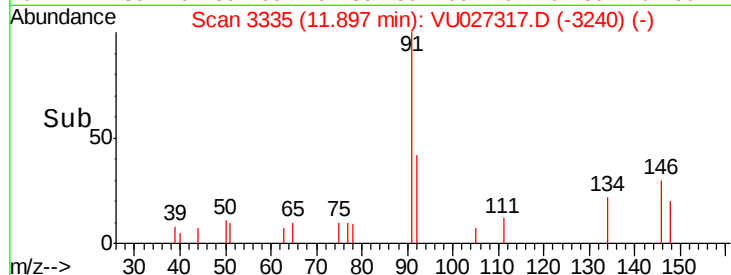


Abundance Ion 91.00 (90.70 to 91.70): VU027317.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU027317.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU027317.D (-3320) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.564 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

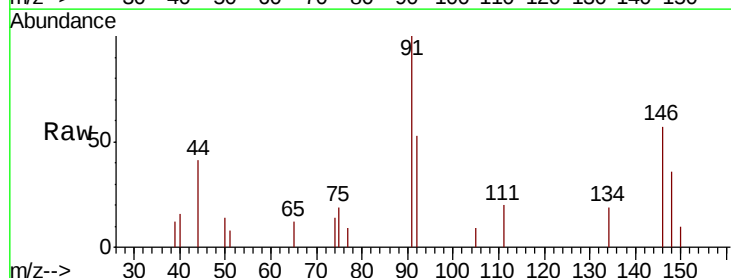
Tgt Ion: 146 Resp: 1375

Ion Ratio Lower Upper

146 100

111 34.8 21.8 65.4

148 60.9 31.9 95.5

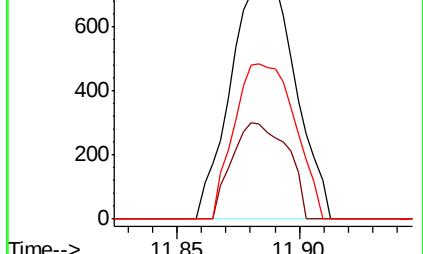
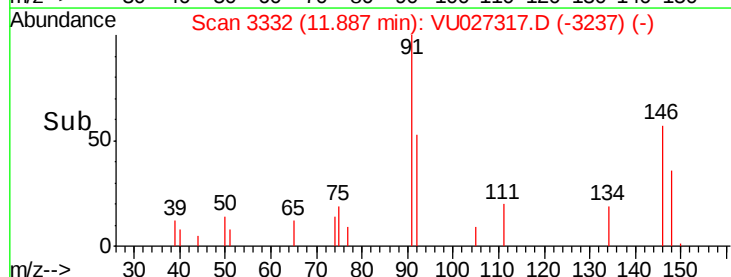


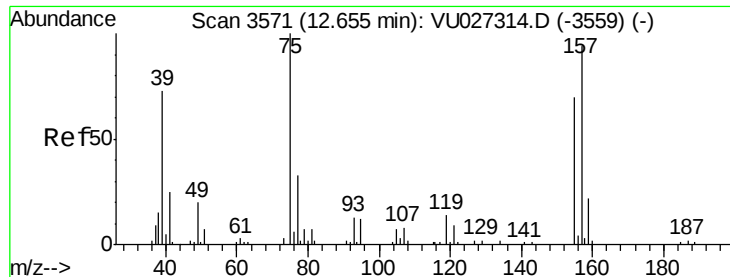
Abundance Ion 145.90 (145.60 to 146.60): VU027317.D (-3332) (-)

Ion 110.90 (110.60 to 111.60): VU027317.D (-3332) (-)

Ion 147.90 (147.60 to 148.60): VU027317.D (-3332) (-)

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.509 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

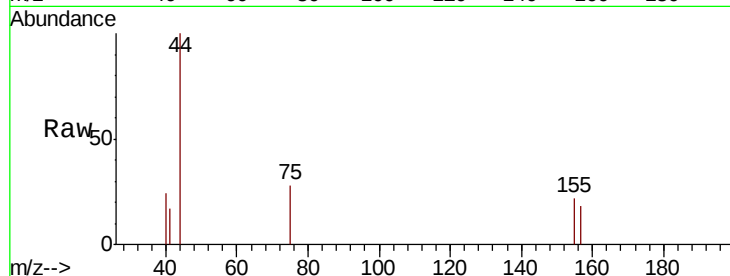
Tot Ion: 75 Resp: 252

Ion Ratio Lower Upper

75 100

155 62.3 35.9 107.8

157 83.3 46.9 140.6



Abundance Ion 74.90 (74.60 to 75.60): VU027314.D (-3559) (-)

Ion 154.80 (154.50 to 155.50): VU027314.D (-3559) (-)

Ion 156.80 (156.50 to 157.50): VU027314.D (-3559) (-)

12.66

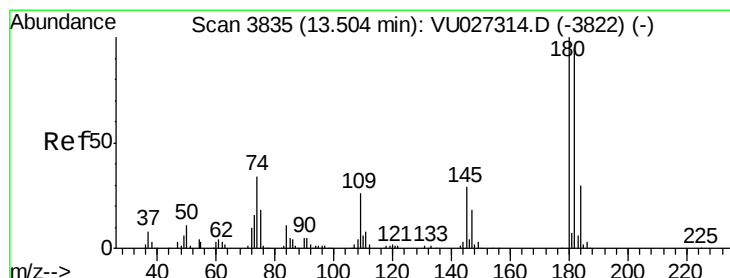
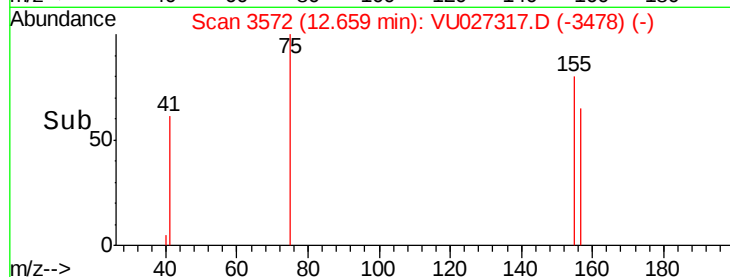
150

100

50

0

Time--> 12.62 12.64 12.66 12.68



#93

1,2,4-Trichlorobenzene

Concen: 1.423 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

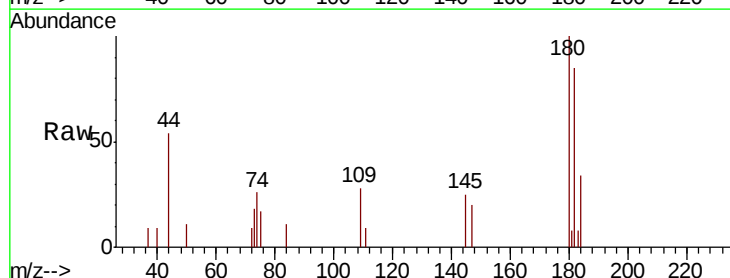
Tgt Ion: 180 Resp: 2245

Ion Ratio Lower Upper

180 100

182 88.3 47.4 142.3

145 23.8 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): VU027314.D (-3822) (-)

Ion 181.80 (181.50 to 182.50): VU027314.D (-3822) (-)

Ion 144.80 (144.50 to 145.50): VU027314.D (-3822) (-)

13.51

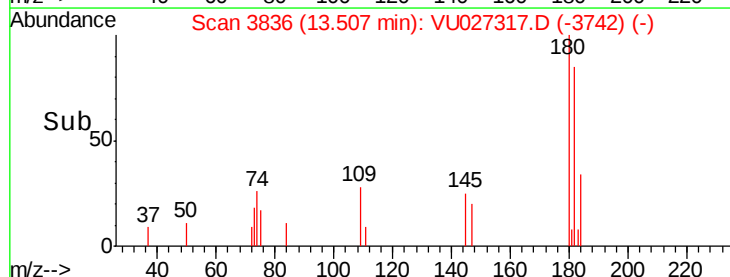
1500

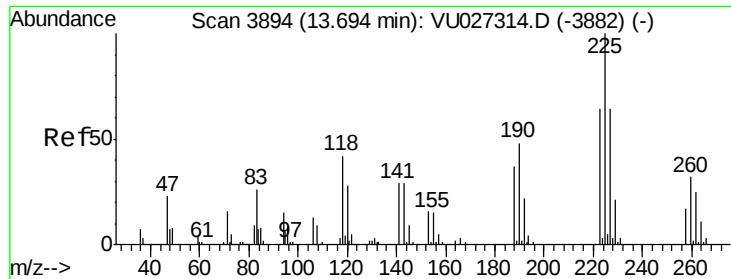
1000

500

0

Time--> 13.50 13.51 13.52 13.53 13.54 13.55





#94

Hexachlorobutadiene

Concen: 1.576 ug/l

RT: 13.70 min Scan# 3895

Delta R.T. 0.00 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

Instrument :

MSVOA\_U

ClientSampleId :

I.BLK

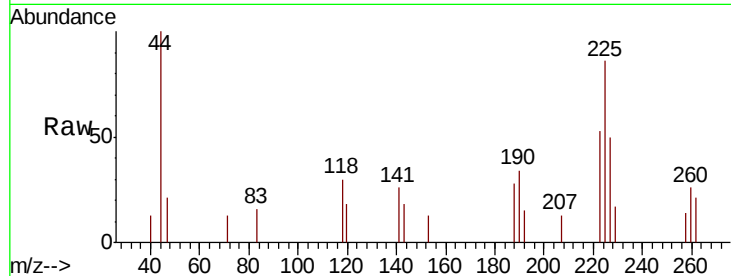
Tot Ion:225 Resp: 1256

Ion Ratio Lower Upper

225 100

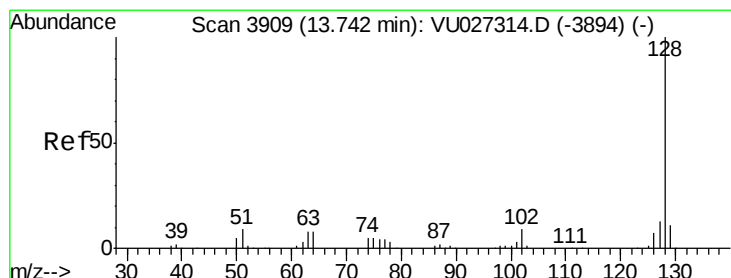
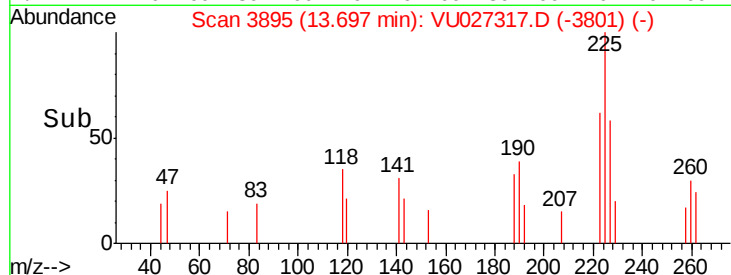
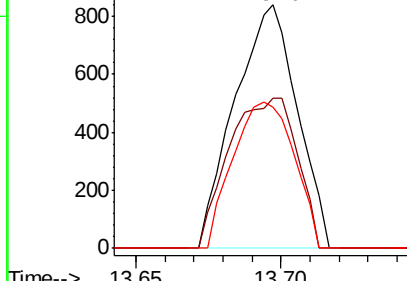
223 67.4 31.8 95.3

227 59.0 31.9 95.7



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

13.70



#95

Naphthalene

Concen: 3.124 ug/l

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU027317.D

Acq: 01 Oct 2018 12:29

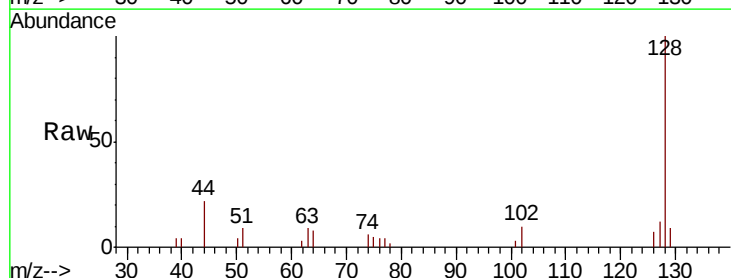
Tgt Ion:128 Resp: 8973

Ion Ratio Lower Upper

128 100

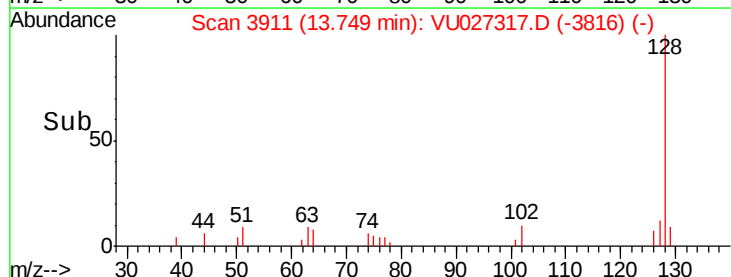
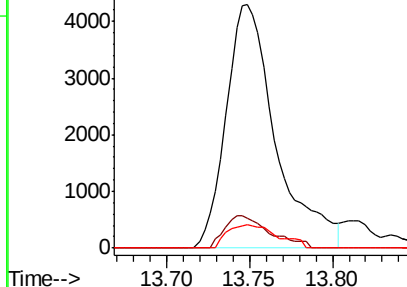
127 12.0 10.5 15.7

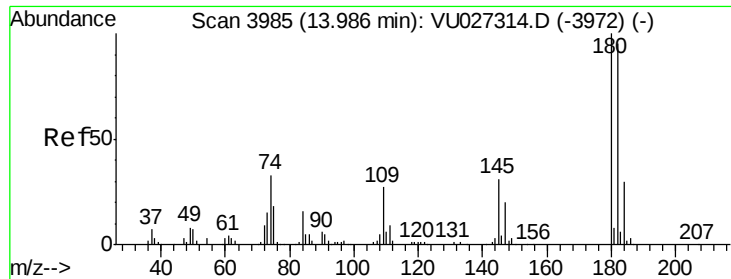
129 9.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

13.75

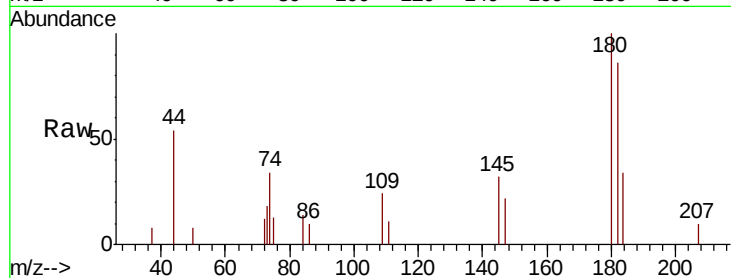




#96  
 1,2,3-Trichlorobenzene  
 Concen: 1.761 ug/l  
 RT: 13.99 min Scan# 3986  
 Delta R.T. 0.00 min  
 Lab File: VU027317.D  
 Acq: 01 Oct 2018 12:29

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 I.BLK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 85.5  | 47.4  | 142.2 |
| 145     | 26.6  | 15.9  | 47.7  |



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

