

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\  
 Data File : VU025334.D  
 Acq On : 12 Jul 2018 12:42  
 Operator : MD/SY  
 Sample : J3762-07 LOD/MDL 0.2PPB  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 13 01:06:51 2018  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U070918W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 10 09:34:16 2018  
 Response via : Initial Calibration

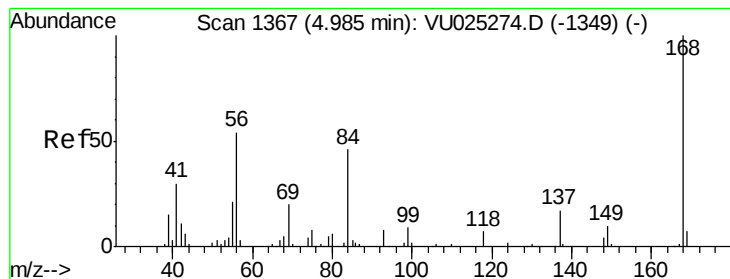
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 147167   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 218248   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 195339   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 98525    | 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   | 92977    | 40.66 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 81.32% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 71354    | 38.76 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 77.52% |          |
| 50) Toluene-d8              | 7.57  | 98   | 230725   | 36.60 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 73.20% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 86104    | 33.92 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 67.84% |          |

| Target Compounds               | R.T.  | QIon | Response | Conc      | Units  | Qvalue |
|--------------------------------|-------|------|----------|-----------|--------|--------|
| 3) Chloromethane               | 1.33  | 50   | 498      | 0.888     | ug/l   | 96     |
| 5) Bromomethane                | 1.63  | 94   | 616      | Below Cal |        | 96     |
| 6) Chloroethane                | 1.70  | 64   | 389      | 0.654     | ug/l # | 43     |
| 10) Methyl Iodide              | 2.42  | 142  | 431      | 7.905     | ug/l # | 84     |
| 11) Tert butyl alcohol         | 2.83  | 59   | 547      | 1.097     | ug/l # | 73     |
| 13) Acrolein                   | 2.20  | 56   | 222      | 0.673     | ug/l # | 1      |
| 15) Acrylonitrile              | 2.95  | 53   | 582      | 0.568     | ug/l # | 87     |
| 16) Acetone                    | 2.33  | 43   | 1386     | 6.032     | ug/l   | 91     |
| 17) Carbon Disulfide           | 2.48  | 76   | 1046     | 2.162     | ug/l # | 74     |
| 18) Methyl Acetate             | 2.62  | 43   | 693      | 0.296     | ug/l # | 52     |
| 20) Methylene Chloride         | 2.71  | 84   | 649      | 1.054     | ug/l # | 58     |
| 23) Vinyl Acetate              | 3.54  | 43   | 2369     | 0.489     | ug/l # | 88     |
| 25) 2-Butanone                 | 4.29  | 43   | 752      | 0.475     | ug/l # | 49     |
| 29) Tetrahydrofuran            | 4.64  | 42   | 377      | 0.397     | ug/l # | 84     |
| 31) Cyclohexane                | 4.99  | 56   | 2957     | 1.752     | ug/l # | 14     |
| 36) 1,1-Dichloropropene        | 4.99  | 75   | 11142    | 4.592     | ug/l # | 47     |
| 38) Carbon Tetrachloride       | 4.99  | 117  | 14114    | 5.404     | ug/l # | 16     |
| 51) 4-Methyl-2-Pentanone       | 7.47  | 43   | 1836     | 0.652     | ug/l # | 83     |
| 58) 2-Chloroethyl Vinyl ether  | 7.15  | 63   | 477      | 11.470    | ug/l # | 62     |
| 59) 2-Hexanone                 | 8.38  | 43   | 1612     | 0.706     | ug/l # | 61     |
| 68) m/p-Xylenes                | 9.38  | 106  | 704      | 0.219     | ug/l   | 83     |
| 71) Bromoform                  | 9.96  | 173  | 120      | 4.660     | ug/l # | 29     |
| 74) N-ethyl acetate            | 10.02 | 43   | 175      | 1.323     | ug/l # | 43     |
| 76) 1,2,3-Trichloropropane     | 10.31 | 75   | 46248    | 23.223    | ug/l # | 36     |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 820      | 0.315     | ug/l   | 88     |
| 81) trans-1,4-Dichloro-2-buten | 10.31 | 75   | 46248    | 58.920    | ug/l # | 100    |
| 88) 1,4-Dichlorobenzene        | 11.52 | 146  | 875      | 1.734     | ug/l # | 68     |
| 93) 1,2,4-Trichlorobenzene     | 13.52 | 180  | 204      | 3.363     | ug/l # | 14     |
| 95) Naphthalene                | 13.76 | 128  | 2881     | 2.792     | ug/l # | 75     |
| 96) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 588      | 2.761     | ug/l # | 56     |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

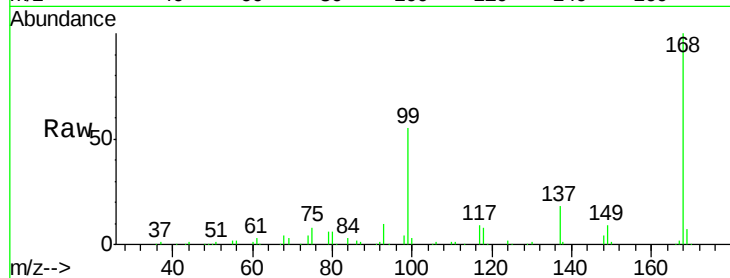
LOD-MDL-WATER-01-QT3-2018

Tot Ion:168 Resp: 147167

Ion Ratio Lower Upper

168 100

99 55.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

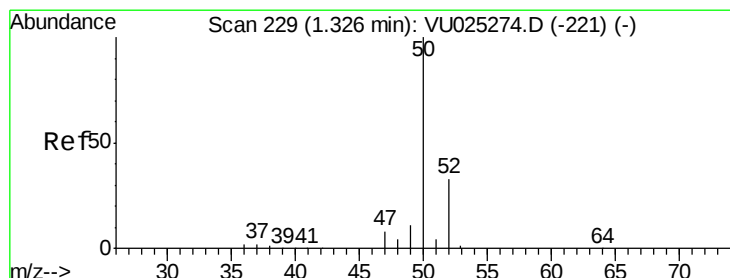
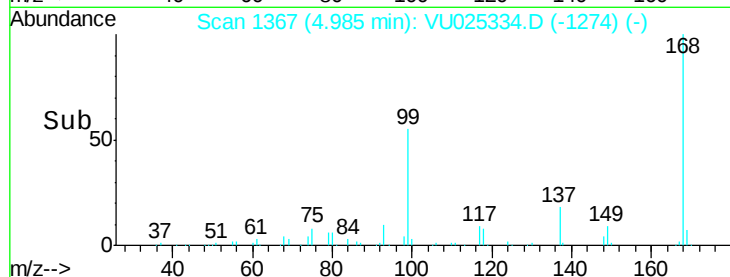
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.888 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025334.D

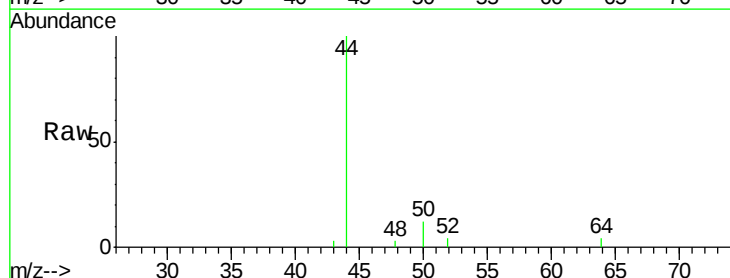
Acq: 12 Jul 2018 12:42

Tgt Ion: 50 Resp: 498

Ion Ratio Lower Upper

50 100

52 35.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025274.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025274.D (-221) (-)

1.33

500

400

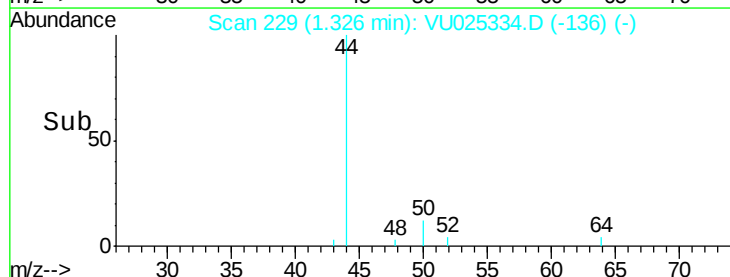
300

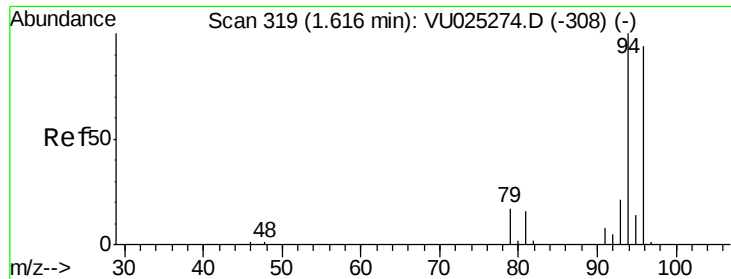
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 325

Delta R.T. 0.02 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

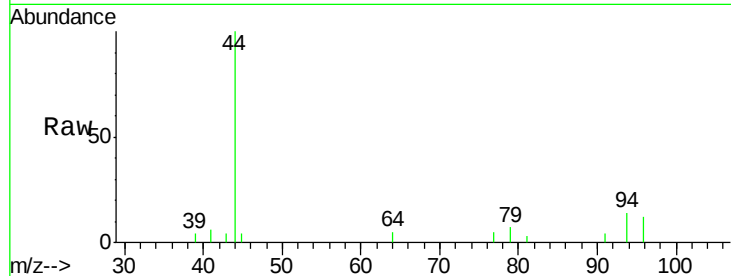
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 616

Ion Ratio Lower Upper

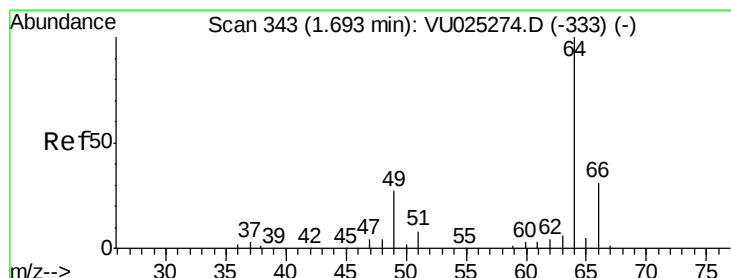
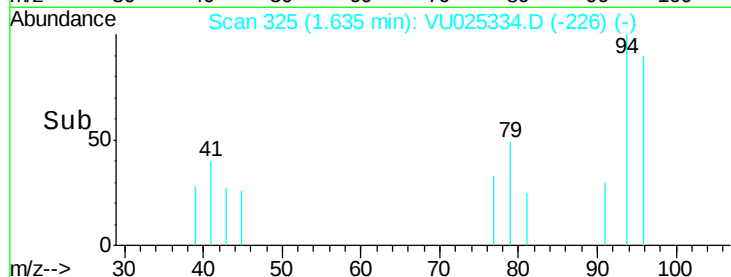
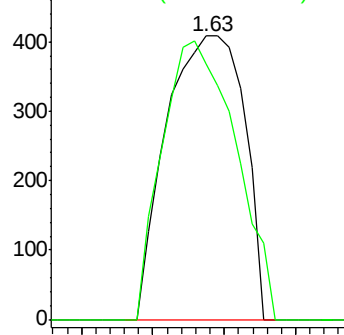
94 100

96 90.2 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.654 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU025334.D

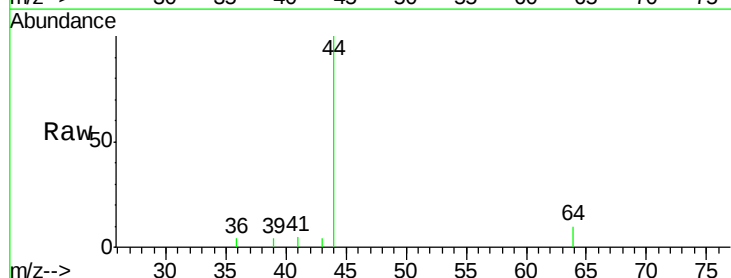
Acq: 12 Jul 2018 12:42

Tgt Ion: 64 Resp: 389

Ion Ratio Lower Upper

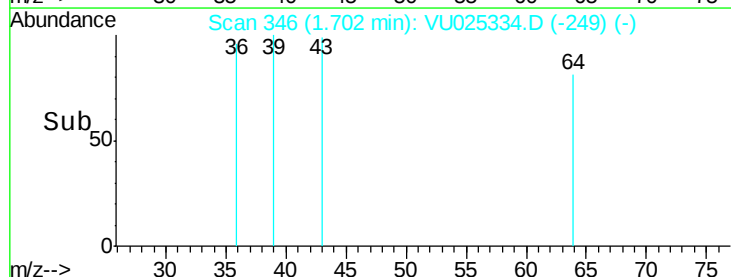
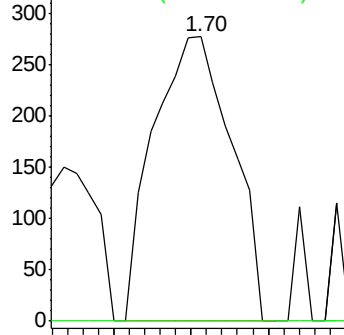
64 100

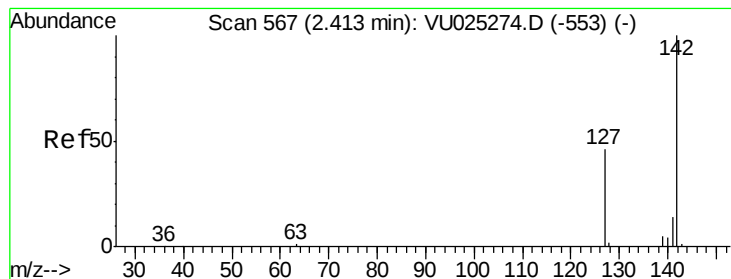
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

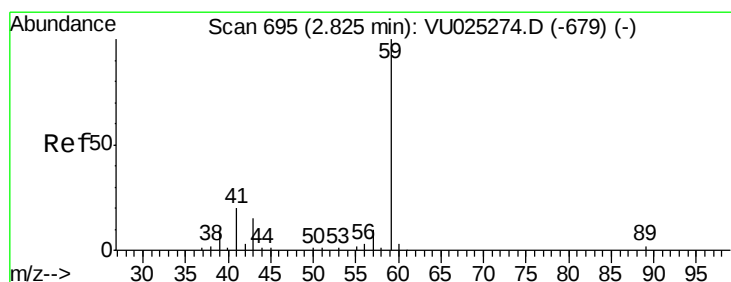
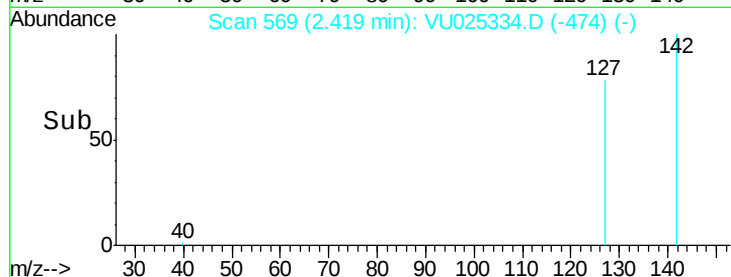
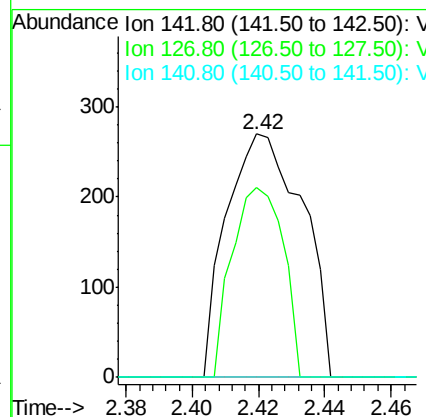
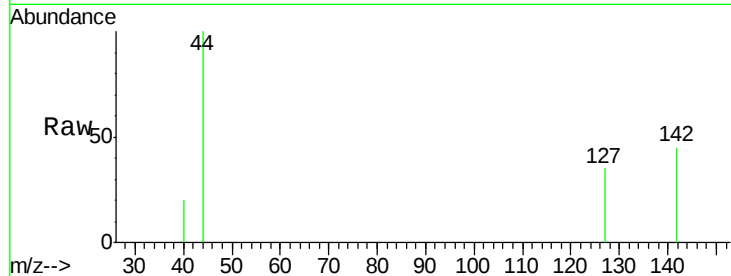




#10  
Methvl Iodide  
Concen: 7.905 ug/l  
RT: 2.42 min Scan# 569  
Delta R.T. 0.01 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

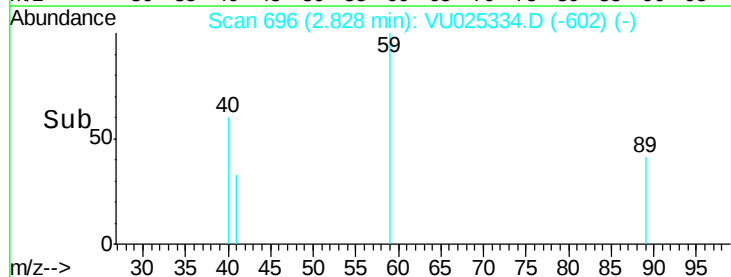
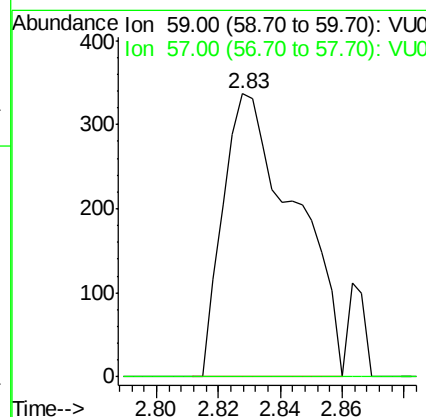
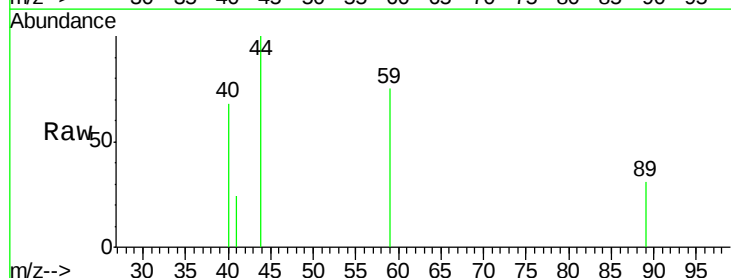
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

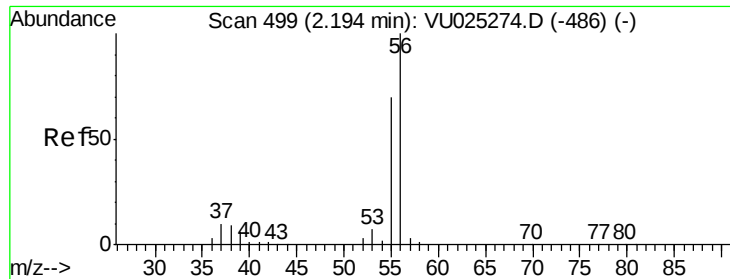
Tot Ion:142 Resp: 431  
Ion Ratio Lower Upper  
142 100  
127 52.2 36.5 54.7  
141 0.0 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: 1.097 ug/l  
RT: 2.83 min Scan# 696  
Delta R.T. 0.00 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

Tgt Ion: 59 Resp: 547  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.673 ug/l

RT: 2.20 min Scan# 502

Delta R.T. 0.01 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

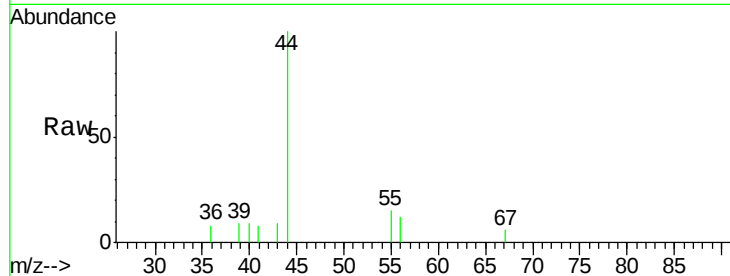
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

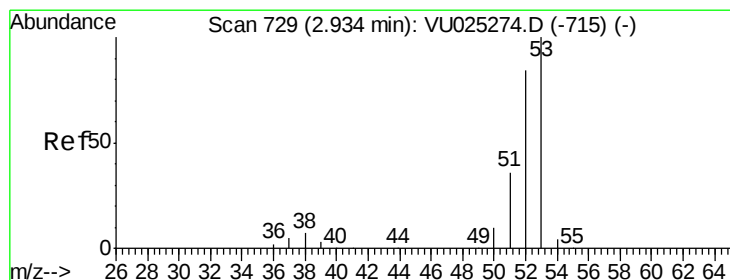
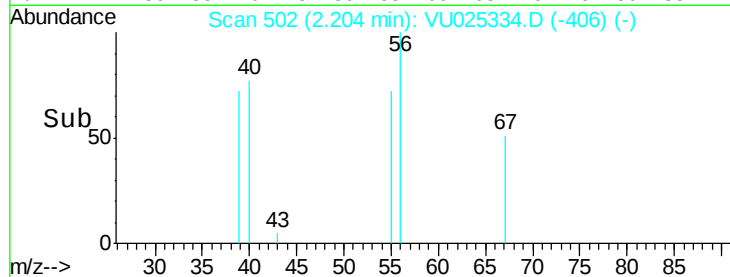
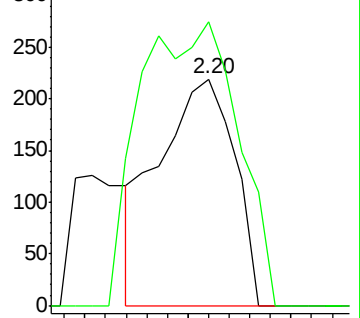
56 100

55 163.1 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#15

Acrylonitrile

Concen: 0.568 ug/l

RT: 2.95 min Scan# 733

Delta R.T. 0.01 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

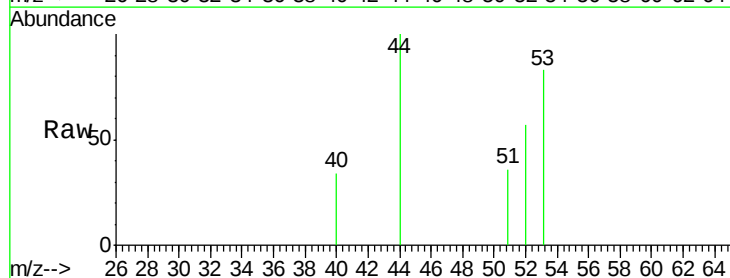
Tgt Ion: 53 Resp: 582

Ion Ratio Lower Upper

53 100

52 81.6 66.6 99.8

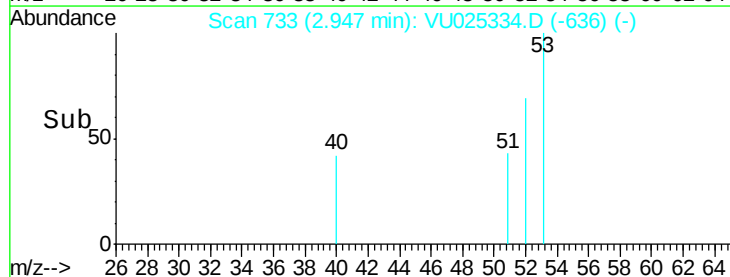
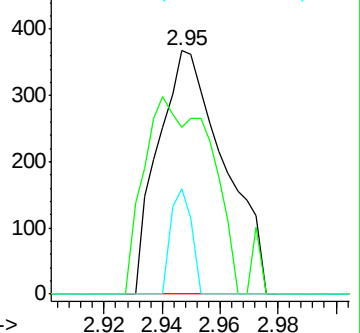
51 13.6 29.4 44.2#

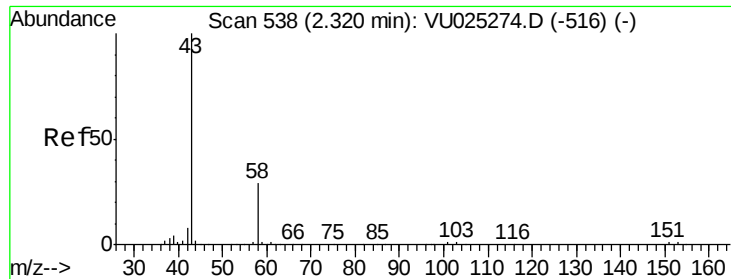


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#16

Acetone

Concen: 6.032 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.01 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

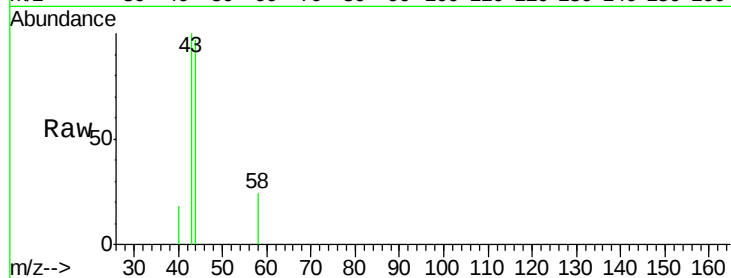
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

58 24.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

800

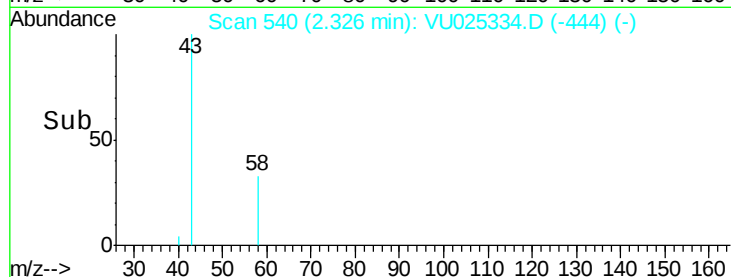
600

400

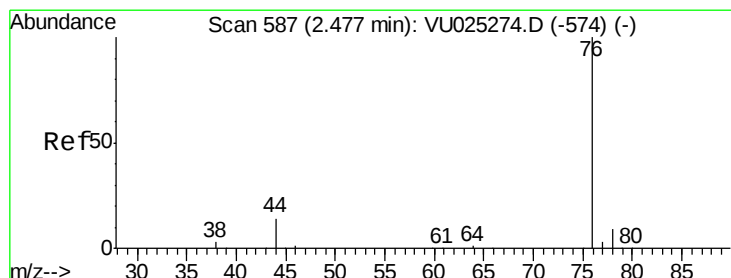
200

0

Time-->



Time-->



#17

Carbon Disulfide

Concen: 2.162 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025334.D

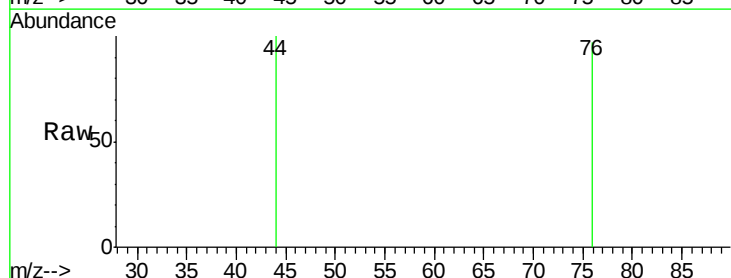
Acq: 12 Jul 2018 12:42

Tgt Ion: 76 Resp: 1046

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

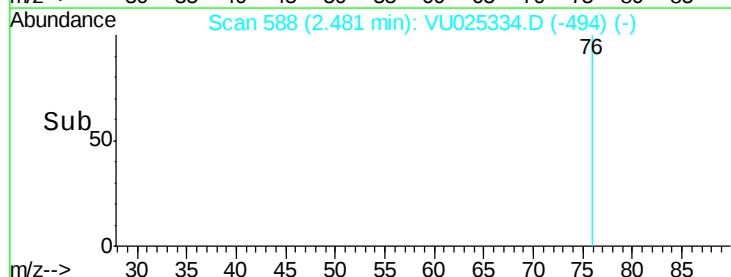
600

400

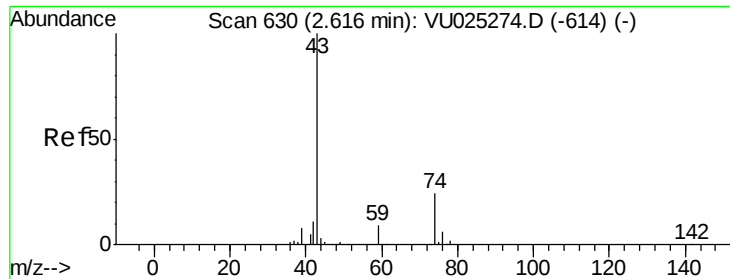
200

0

Time-->



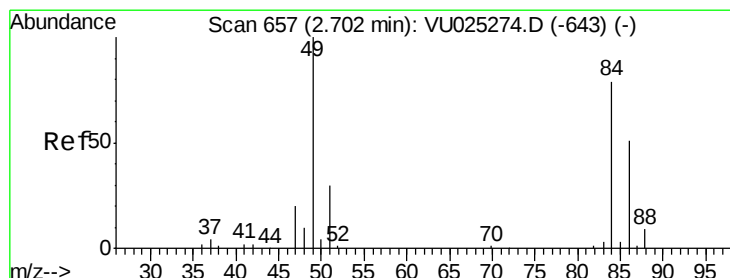
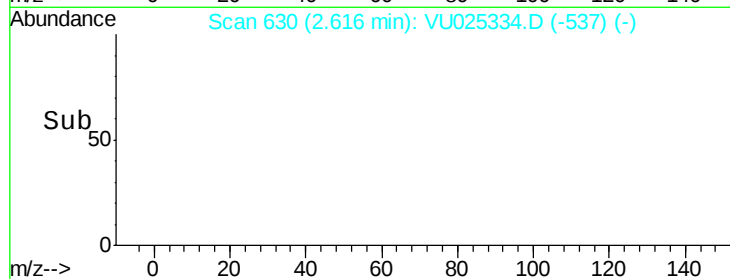
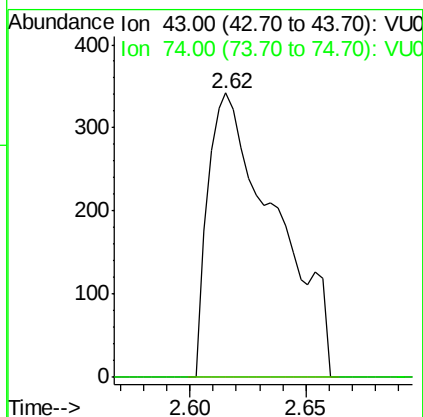
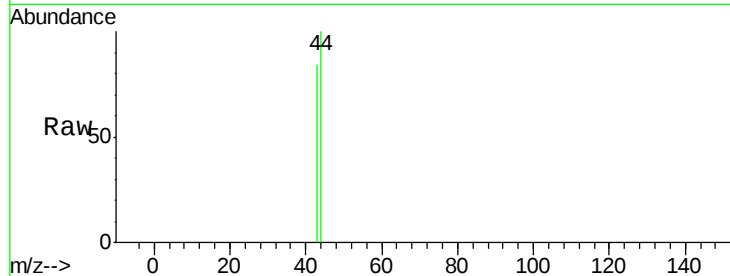
Time-->



#18  
Methyl Acetate  
Concen: 0.296 ug/l  
RT: 2.62 min Scan# 630  
Delta R.T. -0.00 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

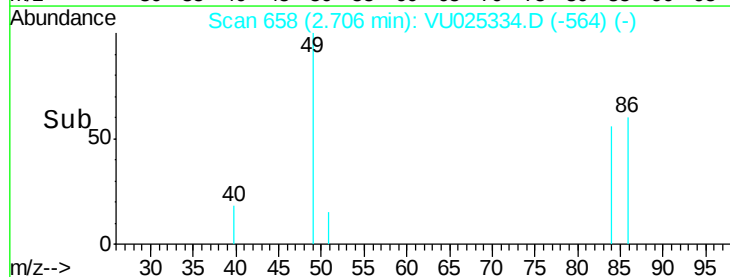
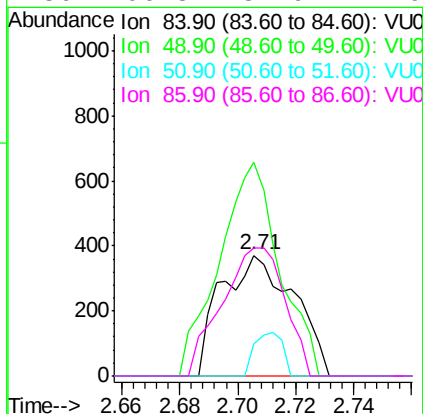
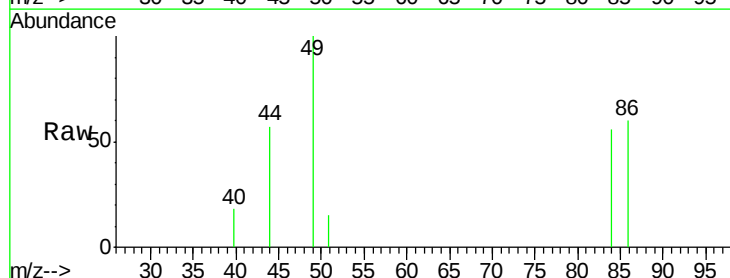
Instrument :  
MSVOA\_U  
ClientSampleId :  
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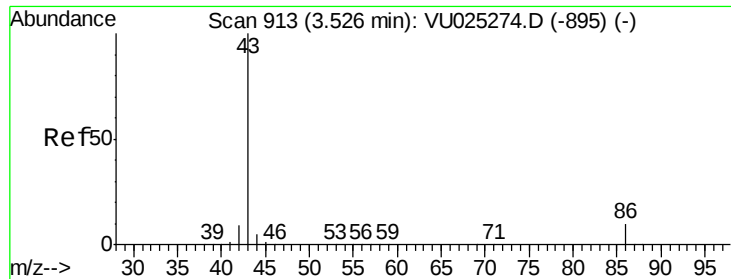
Tot Ion: 43 Resp: 693  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.5 27.7#



#20  
Methylene Chloride  
Concen: 1.054 ug/l  
RT: 2.71 min Scan# 658  
Delta R.T. 0.00 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

Tgt Ion: 84 Resp: 649  
Ion Ratio Lower Upper  
84 100  
49 177.6 101.8 152.6#  
51 27.0 30.8 46.2#  
86 106.8 51.9 77.9#





#23

Vinyl Acetate

Concen: 0.489 ug/l

RT: 3.54 min Scan# 917

Delta R.T. 0.01 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

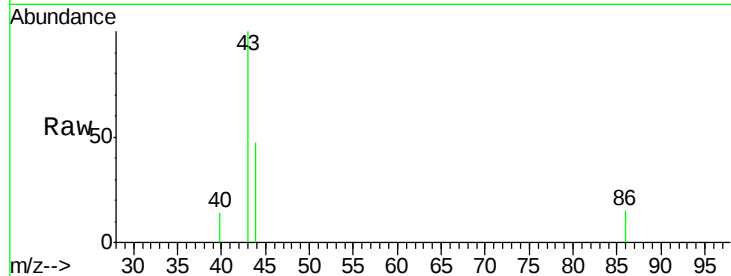
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 2369

Ion Ratio Lower Upper

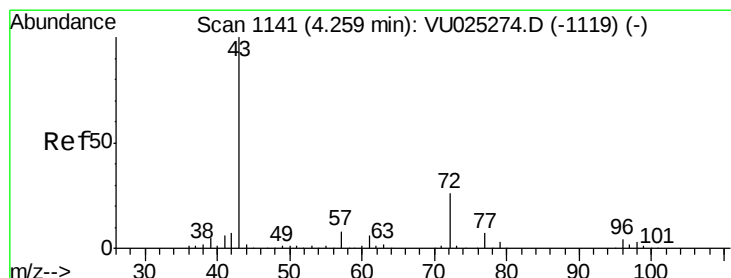
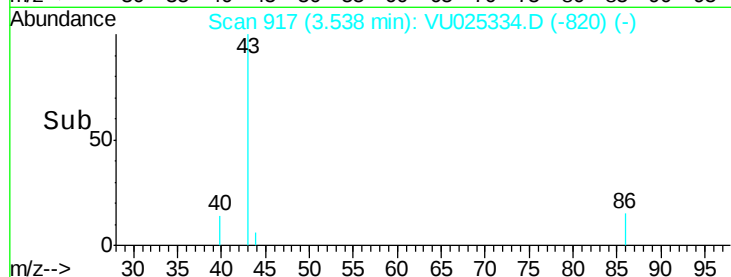
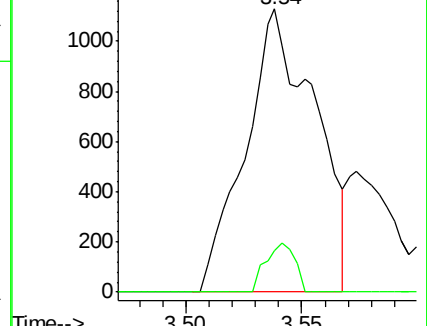
43 100

86 14.8 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#25

2-Butanone

Concen: 0.475 ug/l

RT: 4.29 min Scan# 1150

Delta R.T. 0.03 min

Lab File: VU025334.D

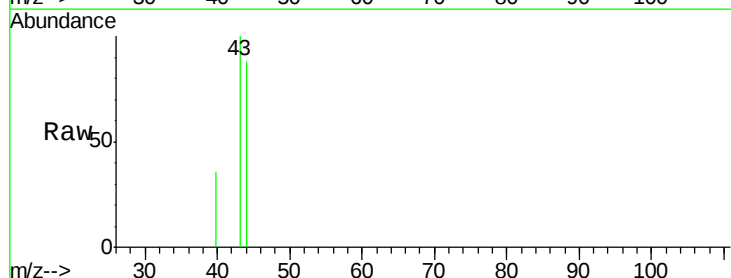
Acq: 12 Jul 2018 12:42

Tgt Ion: 43 Resp: 752

Ion Ratio Lower Upper

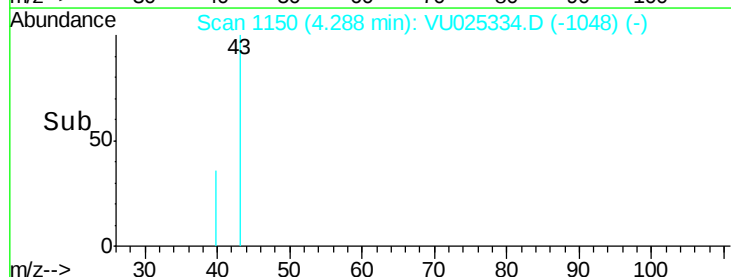
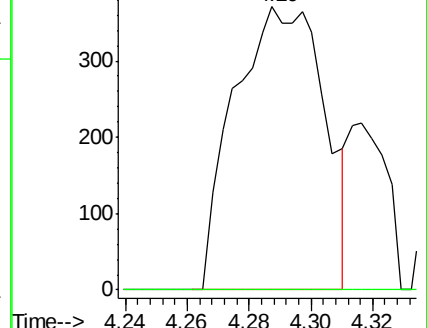
43 100

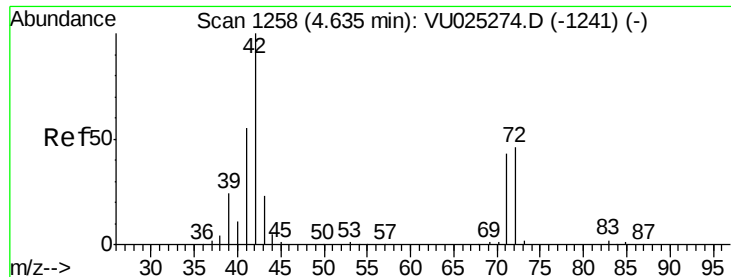
72 0.0 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

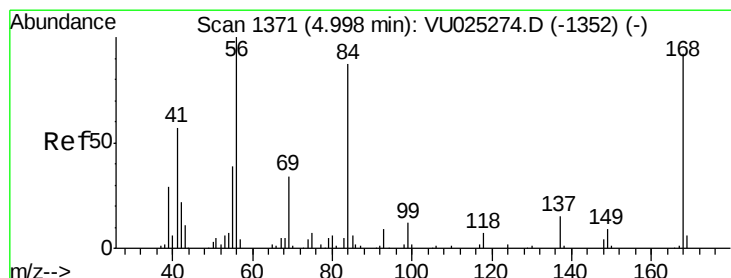
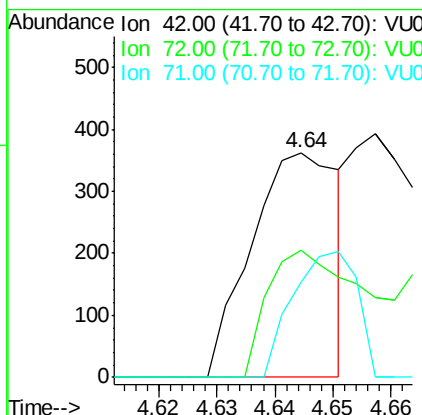
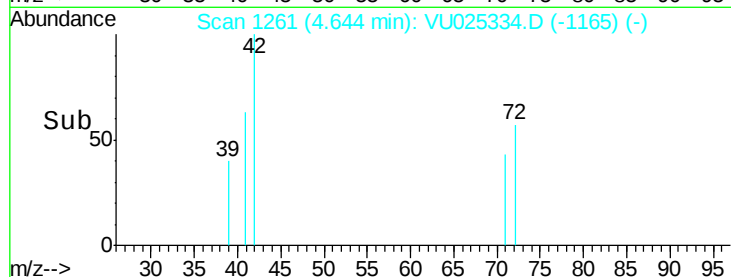
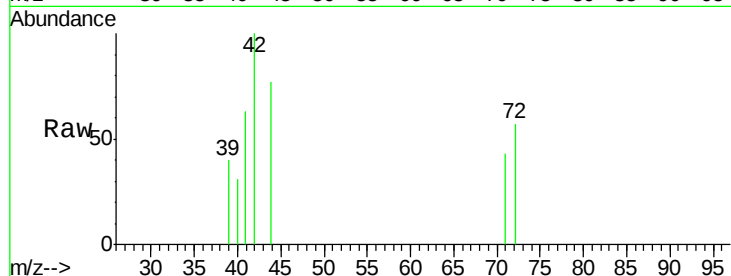




#29  
Tetrahydrofuran  
Concen: 0.397 ug/l  
RT: 4.64 min Scan# 1261  
Delta R.T. 0.01 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

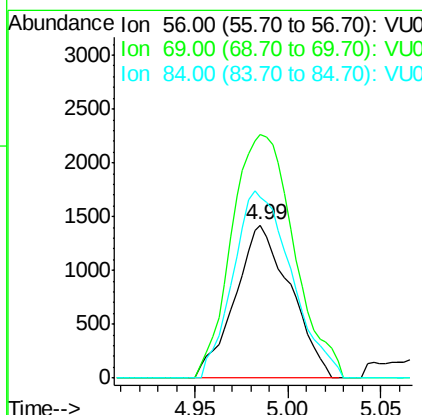
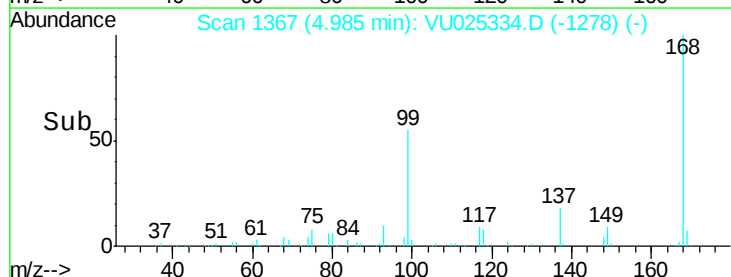
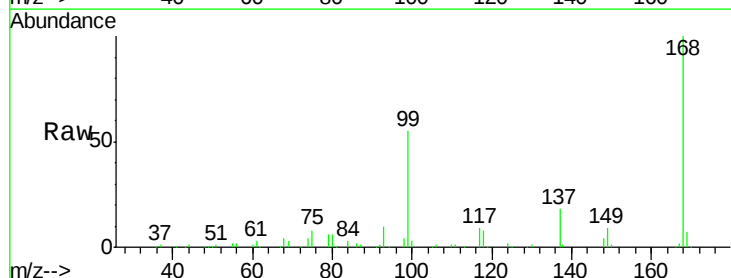
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

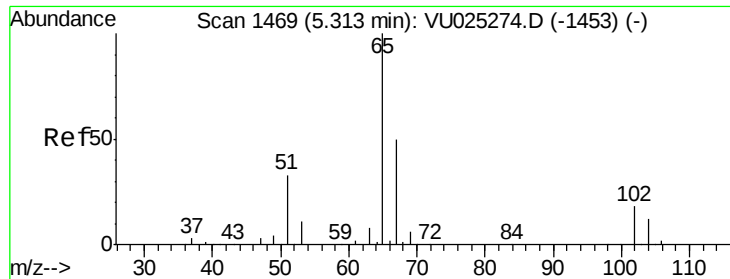
Tot Ion: 42 Resp: 377  
Ion Ratio Lower Upper  
42 100  
72 65.0 36.7 55.1#  
71 41.6 33.9 50.9



#31  
Cyclohexane  
Concen: 1.752 ug/l  
RT: 4.99 min Scan# 1367  
Delta R.T. -0.01 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

Tgt Ion: 56 Resp: 2957  
Ion Ratio Lower Upper  
56 100  
69 159.2 26.8 40.2#  
84 118.2 69.7 104.5#

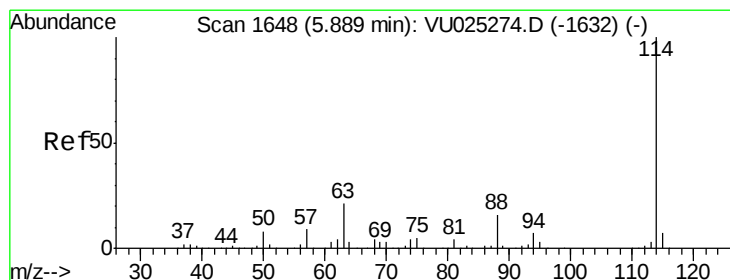
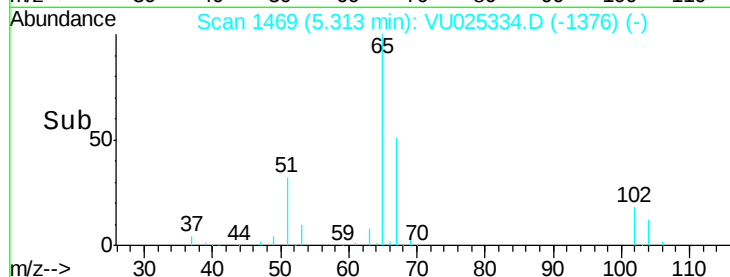
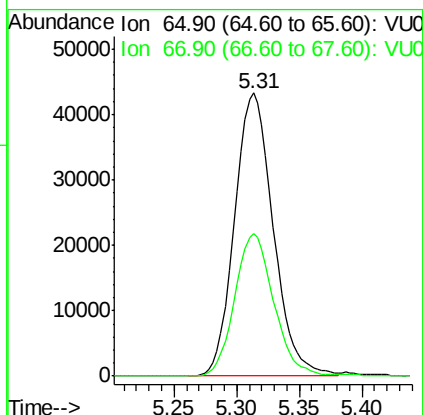
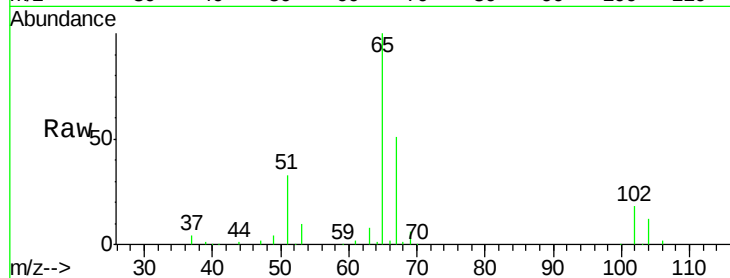




#33  
 1,2-Dichloroethane-d4  
 Concen: 40.665 ug/l  
 RT: 5.31 min Scan# 1469  
 Delta R.T. -0.00 min  
 Lab File: VU025334.D  
 Acq: 12 Jul 2018 12:42

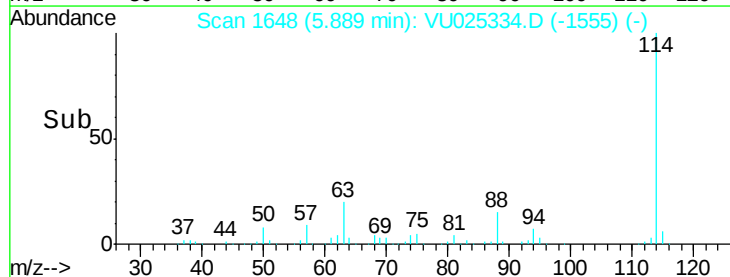
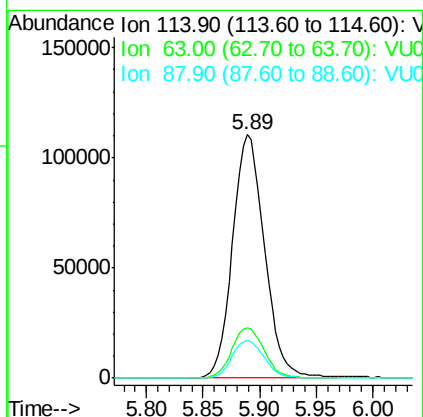
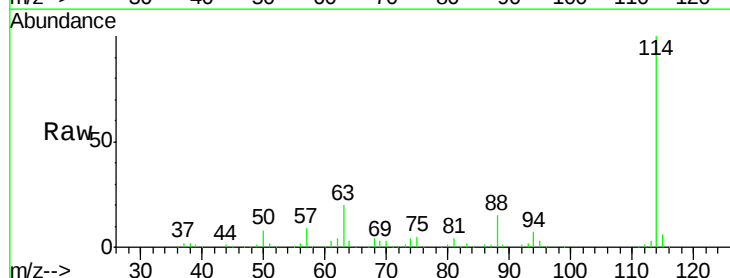
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2018

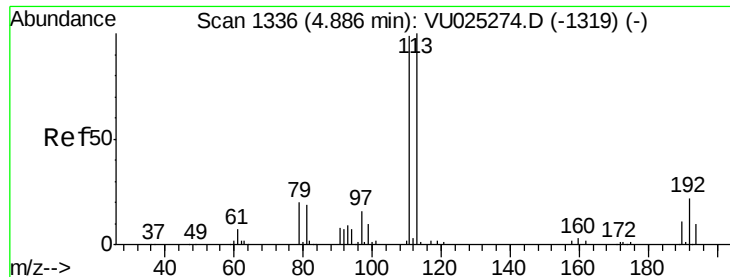
Tot Ion: 65 Resp: 92977  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1648  
 Delta R.T. -0.00 min  
 Lab File: VU025334.D  
 Acq: 12 Jul 2018 12:42

Tgt Ion: 114 Resp: 218248  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 41.6  
 88 15.3 0.0 32.4

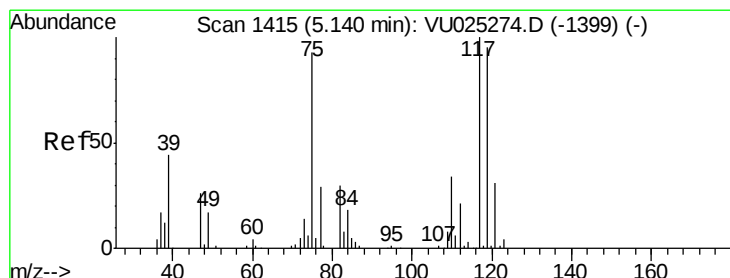
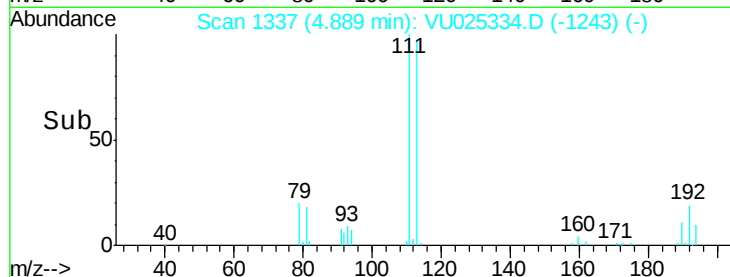
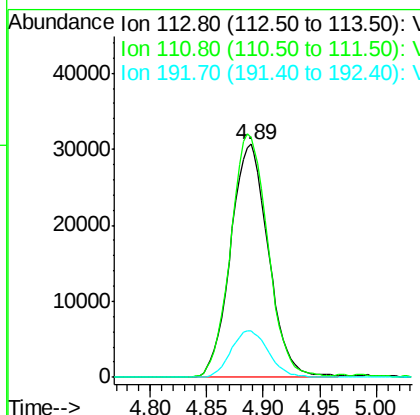
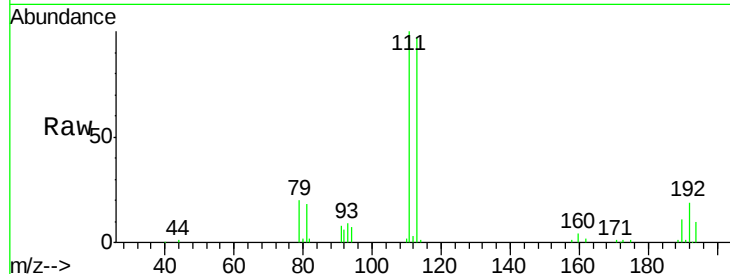




#35  
 Dibromofluoromethane  
 Concen: 38.756 ug/l  
 RT: 4.89 min Scan# 1337  
 Delta R.T. 0.00 min  
 Lab File: VU025334.D  
 Acq: 12 Jul 2018 12:42

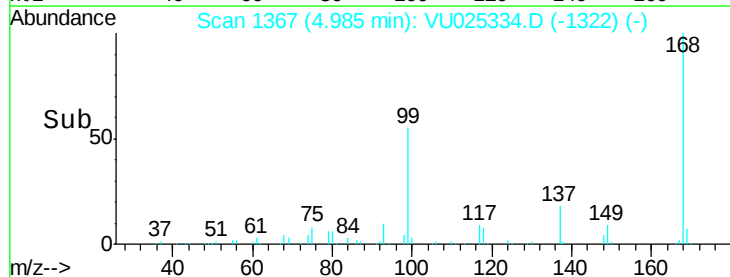
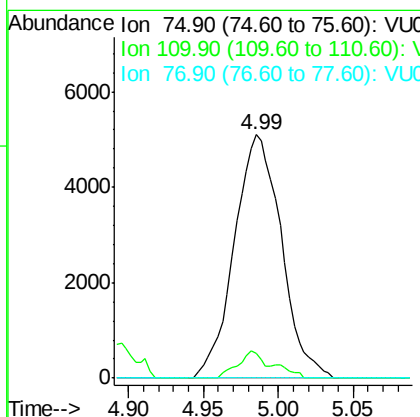
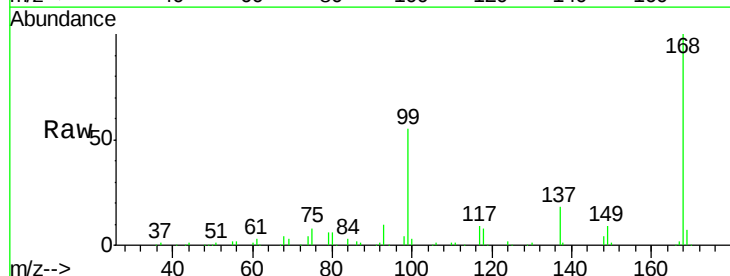
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2018

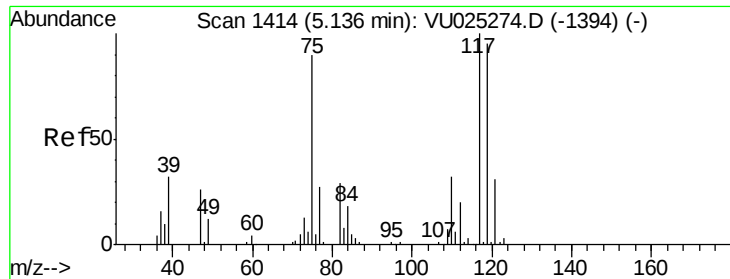
Tot Ion:113 Resp: 71354  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 81.7 122.5  
 192 19.7 17.1 25.7



#36  
 1,1-Dichloropropene  
 Concen: 4.592 ug/l  
 RT: 4.99 min Scan# 1367  
 Delta R.T. -0.15 min  
 Lab File: VU025334.D  
 Acq: 12 Jul 2018 12:42

Tgt Ion: 75 Resp: 11142  
 Ion Ratio Lower Upper  
 75 100  
 110 6.1 17.6 52.9#  
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.404 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

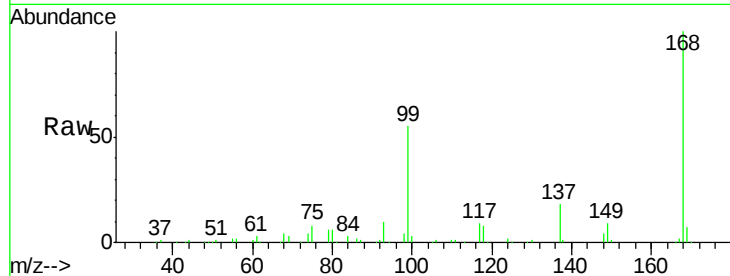
Tot Ion:117 Resp: 14114

Ion Ratio Lower Upper

117 100

119 4.9 75.7 113.5#

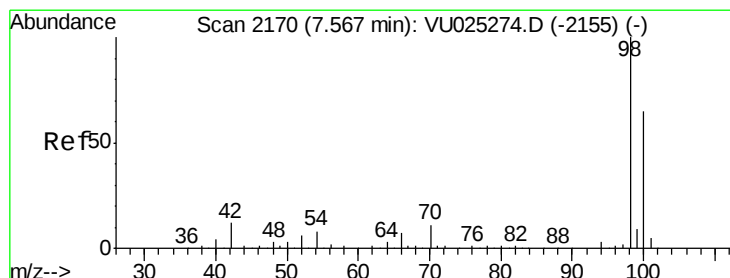
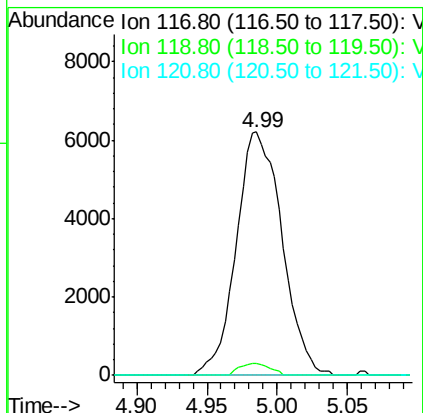
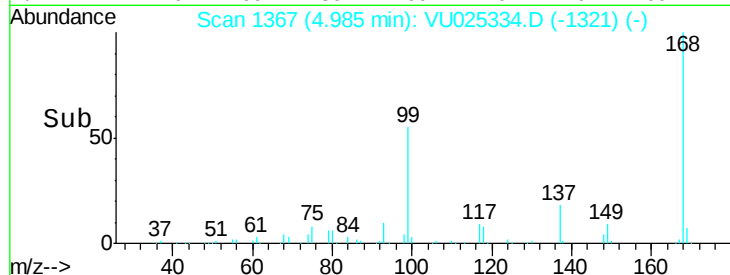
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 36.596 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025334.D

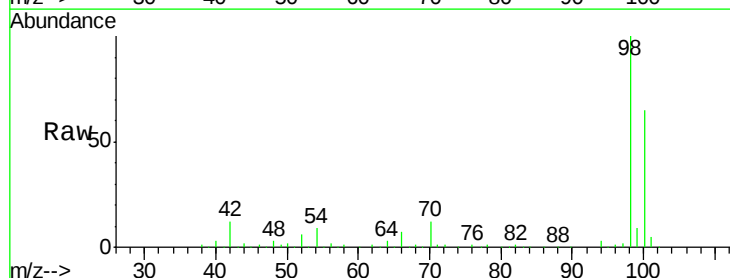
Acq: 12 Jul 2018 12:42

Tgt Ion: 98 Resp: 230725

Ion Ratio Lower Upper

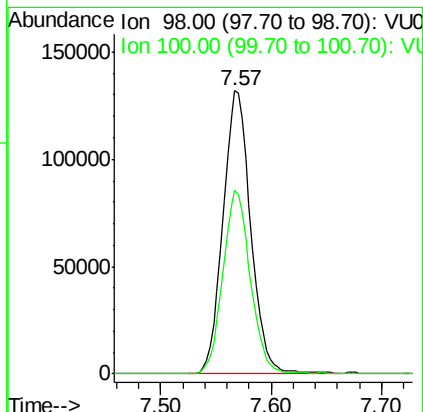
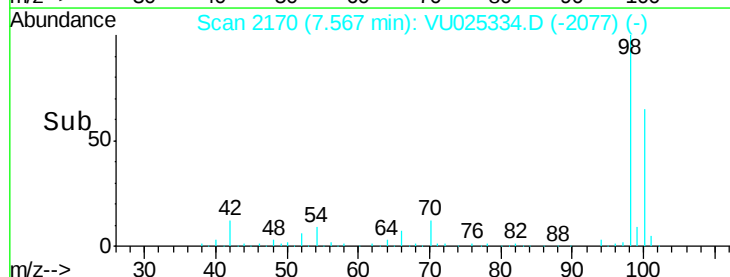
98 100

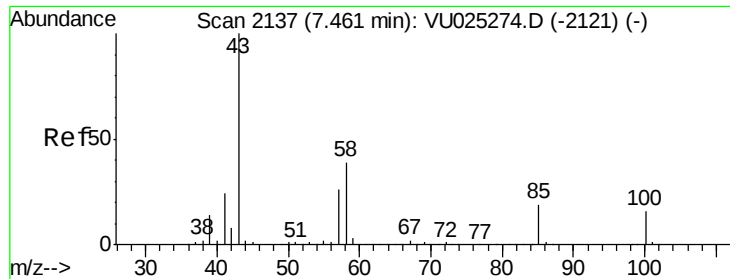
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.652 ug/l

RT: 7.47 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

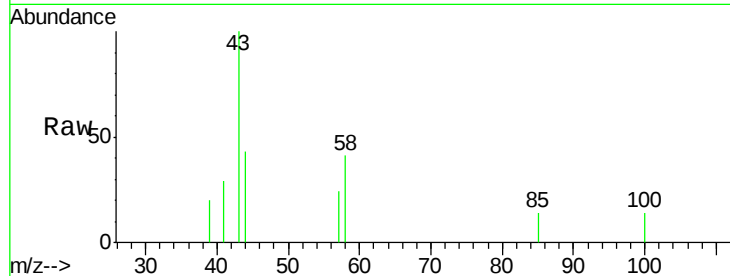
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 1836

Ion Ratio Lower Upper

43 100

58 28.4 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

1200

1000

800

600

400

200

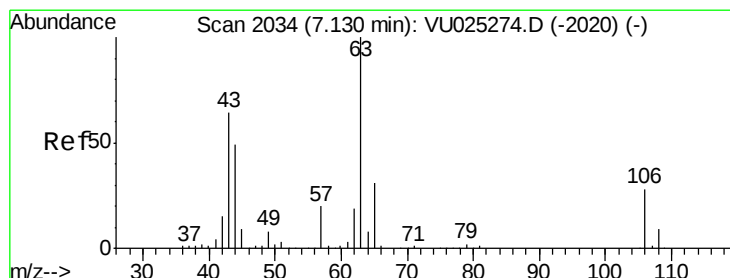
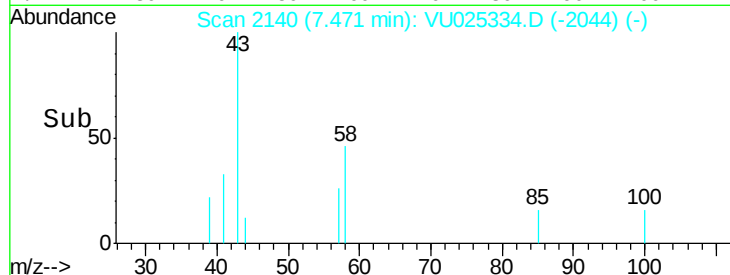
0

7.45

7.47

7.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 11.470 ug/l

RT: 7.15 min Scan# 2041

Delta R.T. 0.02 min

Lab File: VU025334.D

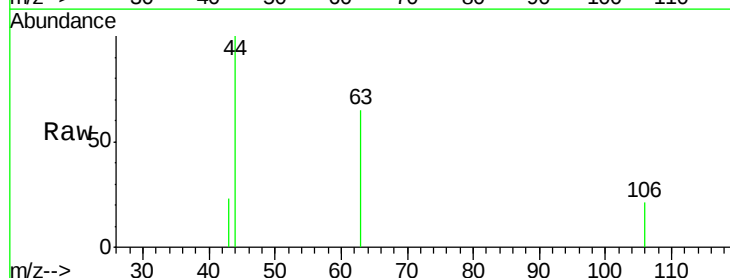
Acq: 12 Jul 2018 12:42

Tgt Ion: 63 Resp: 477

Ion Ratio Lower Upper

63 100

106 8.2 22.3 33.5#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

300

200

100

0

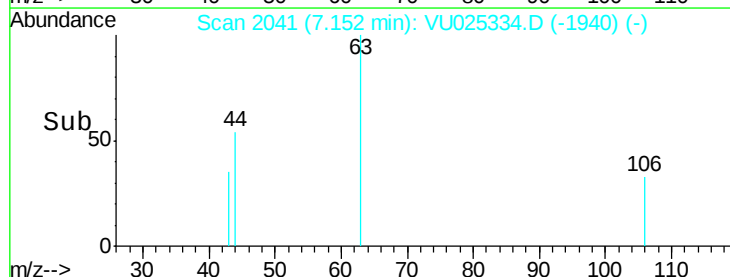
7.12

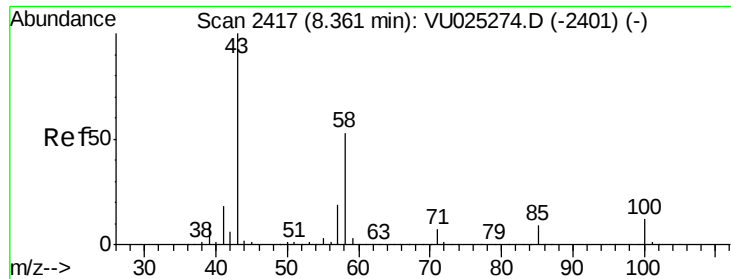
7.14

7.15

7.18

Time-->

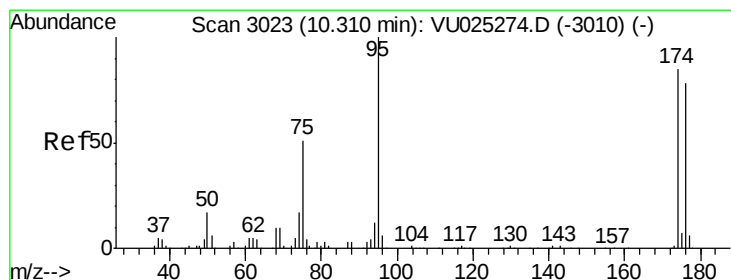
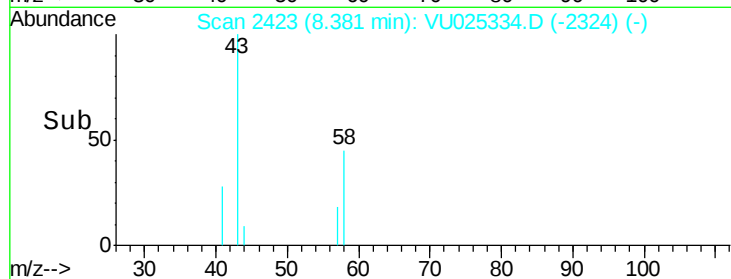
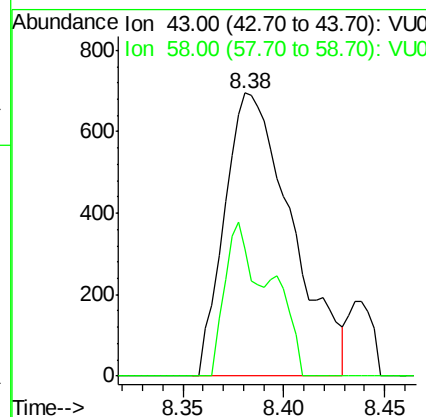
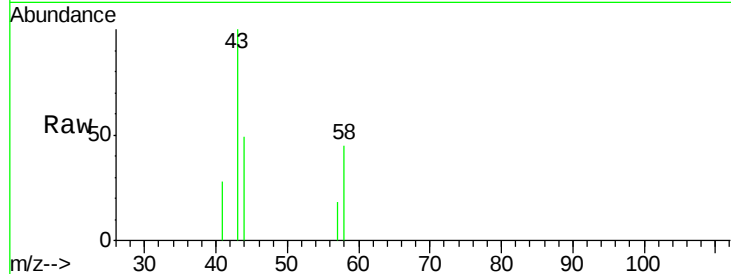




#59  
 2-Hexanone  
 Concen: 0.706 ug/l  
 RT: 8.38 min Scan# 2423  
 Delta R.T. 0.02 min  
 Lab File: VU025334.D  
 Acq: 12 Jul 2018 12:42

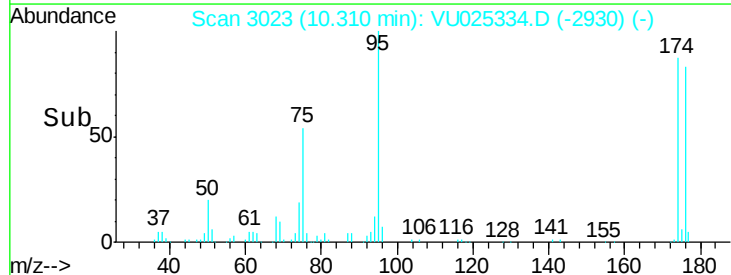
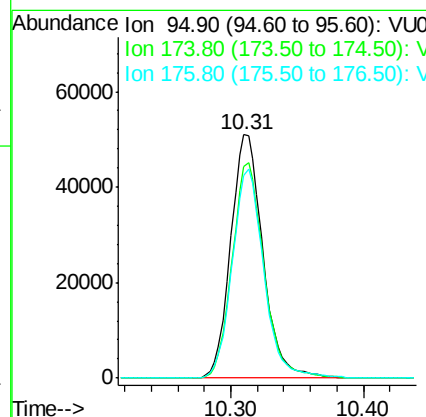
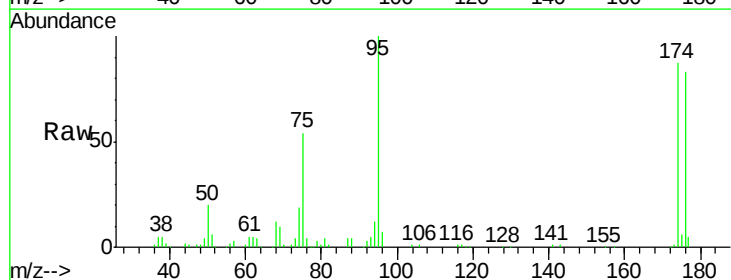
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2018

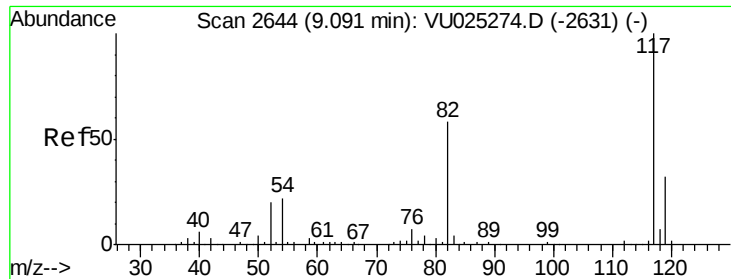
Tot Ion: 43 Resp: 1612  
 Ion Ratio Lower Upper  
 43 100  
 58 25.1 26.2 78.5#



#62  
 4-Bromofluorobenzene  
 Concen: 33.922 ug/l  
 RT: 10.31 min Scan# 3023  
 Delta R.T. -0.00 min  
 Lab File: VU025334.D  
 Acq: 12 Jul 2018 12:42

Tgt Ion: 95 Resp: 86104  
 Ion Ratio Lower Upper  
 95 100  
 174 87.4 0.0 172.2  
 176 84.5 0.0 162.6

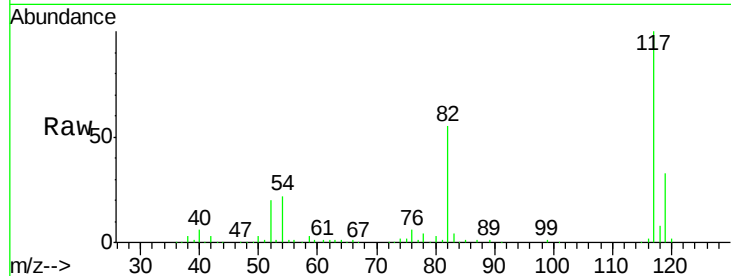




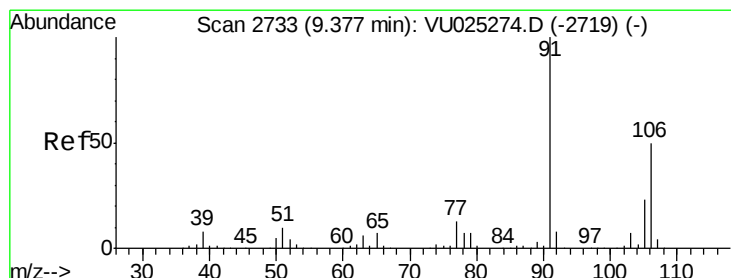
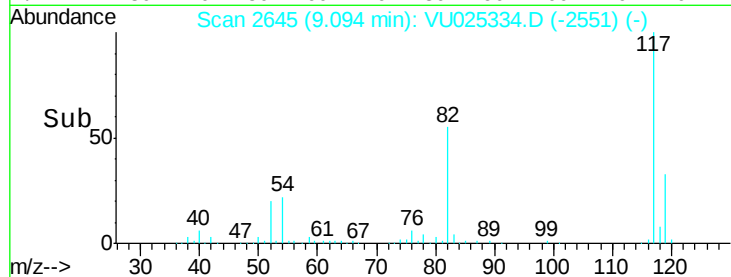
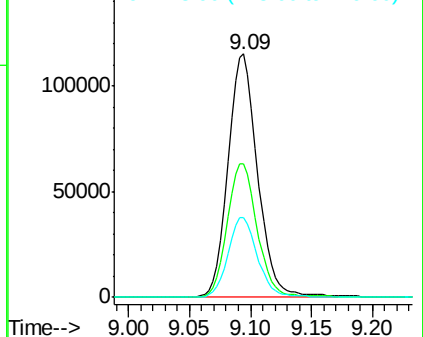
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

Tot Ion:117 Resp: 195339  
Ion Ratio Lower Upper  
117 100  
82 54.8 46.0 69.0  
119 32.7 26.0 39.0

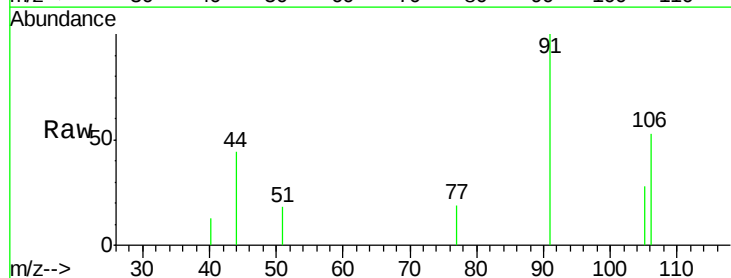


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V

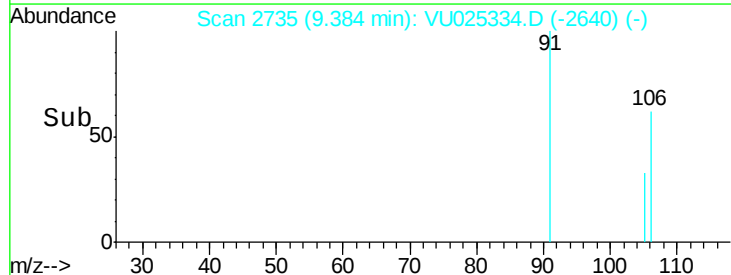
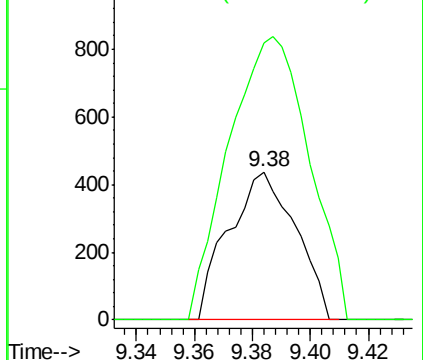


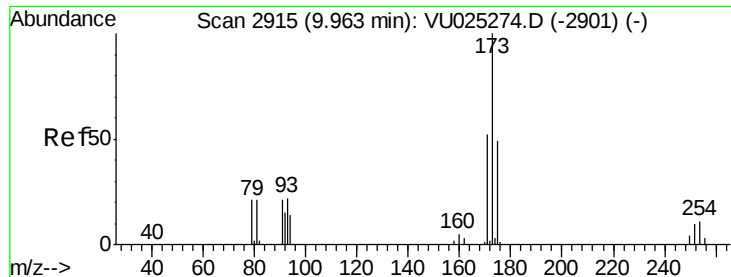
#68  
m/p-Xylenes  
Concen: 0.219 ug/l  
RT: 9.38 min Scan# 2735  
Delta R.T. 0.01 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

Tgt Ion:106 Resp: 704  
Ion Ratio Lower Upper  
106 100  
91 228.4 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0





#71

Bromoform

Concen: 4.660 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

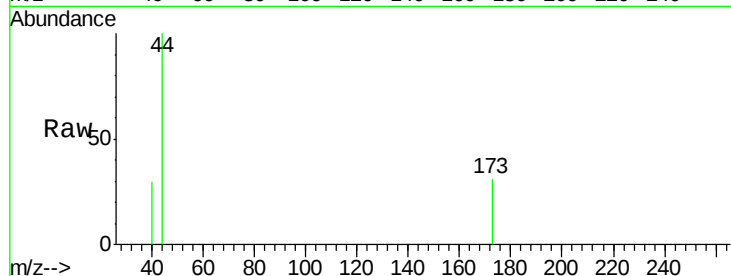
Tot Ion:173 Resp: 120

Ion Ratio Lower Upper

173 100

175 0.0 24.0 72.0#

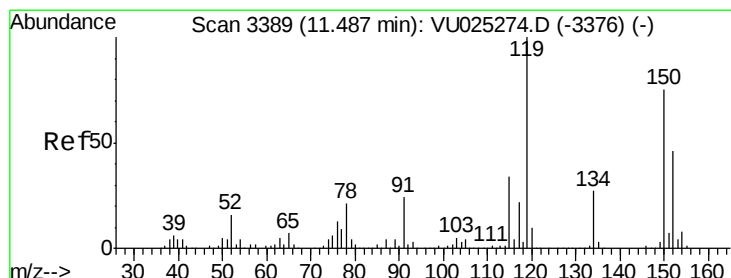
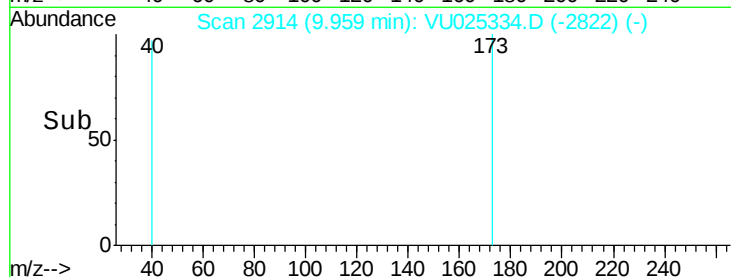
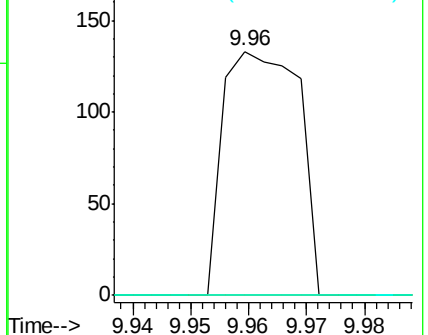
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

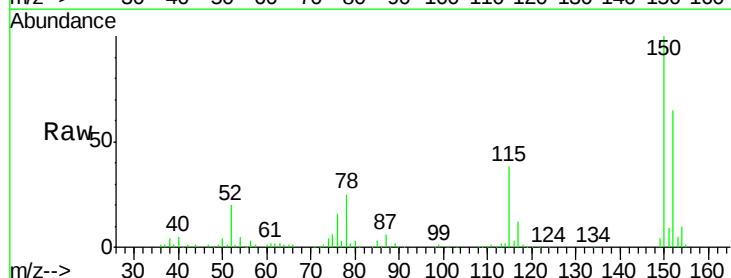
Tgt Ion:152 Resp: 98525

Ion Ratio Lower Upper

152 100

115 57.8 40.1 120.3

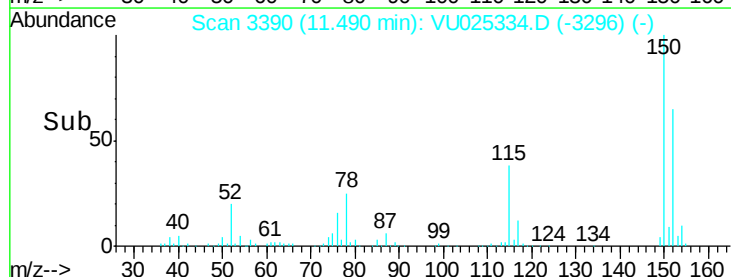
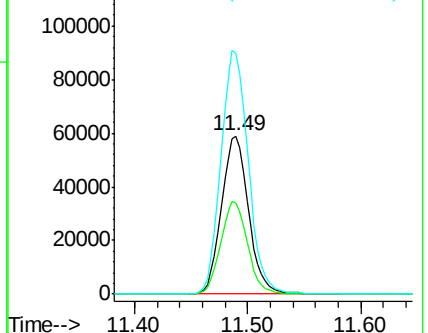
150 155.3 0.0 351.4

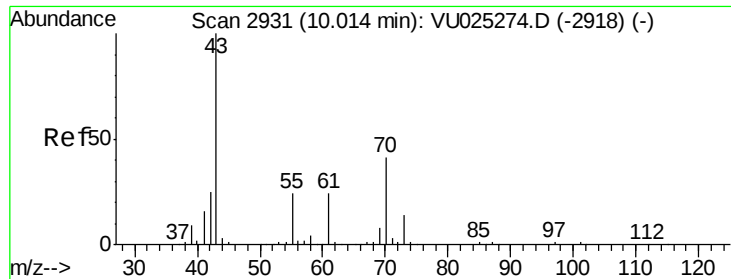


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.323 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 175

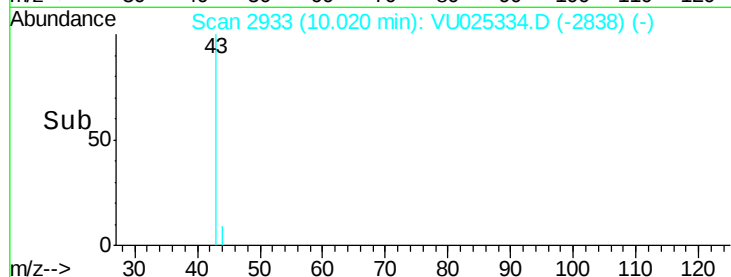
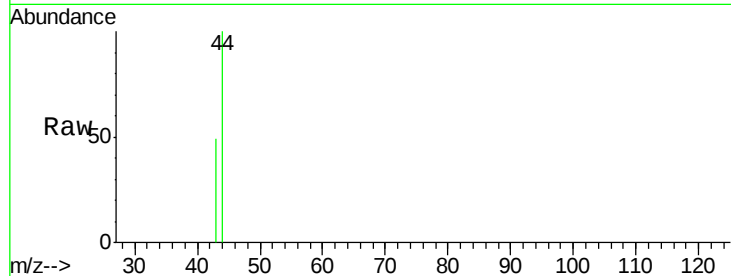
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

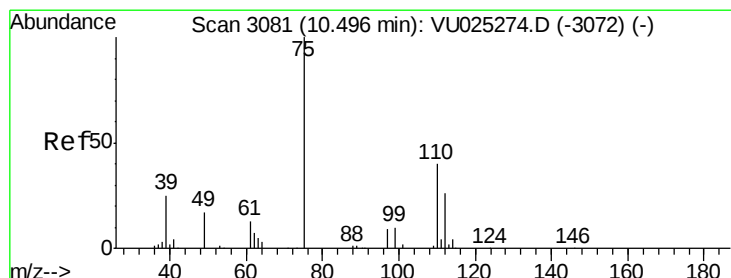
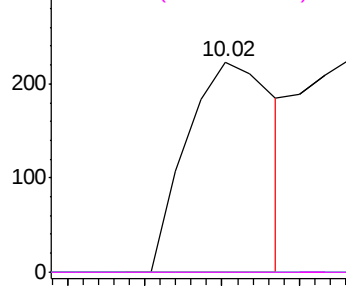


Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 23.223 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025334.D

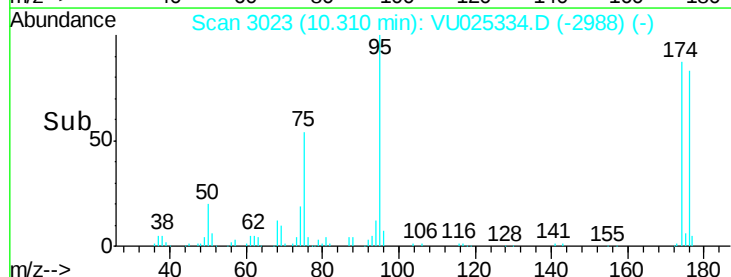
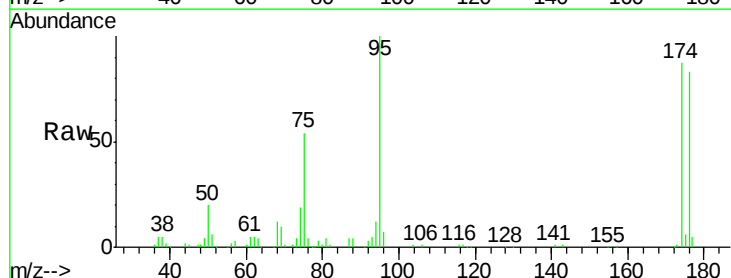
Acq: 12 Jul 2018 12:42

Tgt Ion: 75 Resp: 46248

Ion Ratio Lower Upper

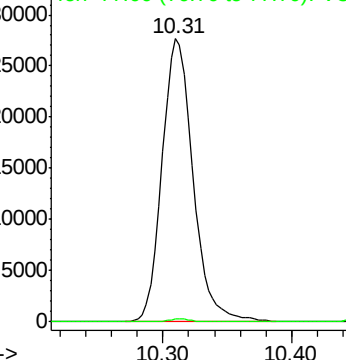
75 100

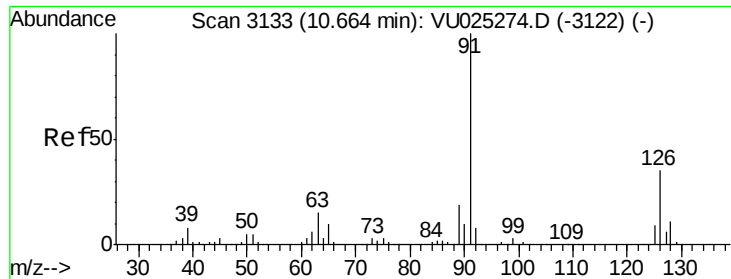
77 0.7 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#79

2-Chlorotoluene

Concen: 0.315 ug/l

RT: 10.66 min Scan# 3132

Delta R.T. -0.00 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

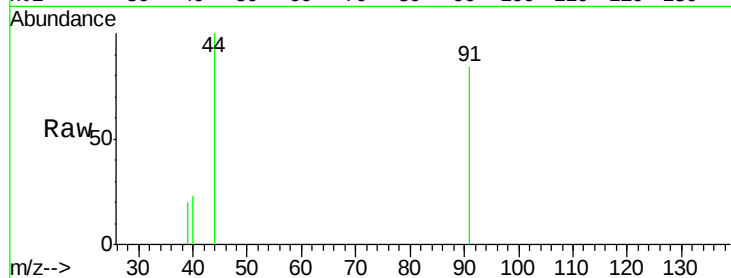
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 820

Ion Ratio Lower Upper

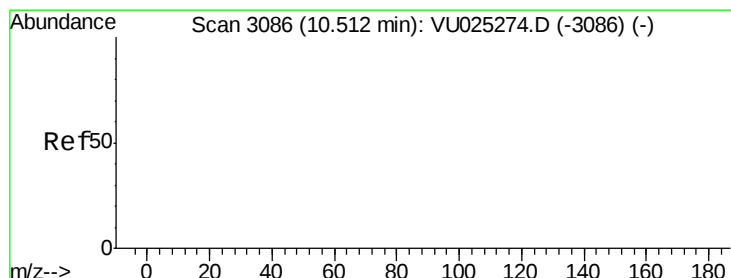
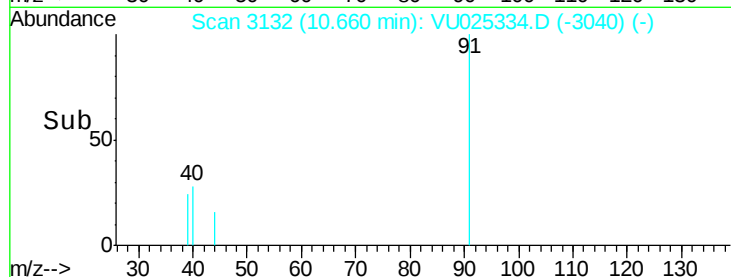
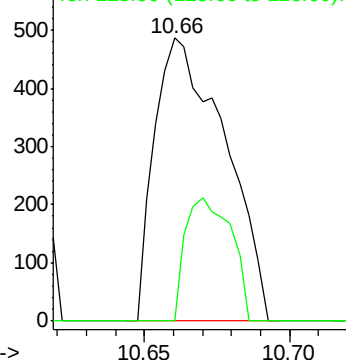
91 100

126 28.3 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 58.920 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

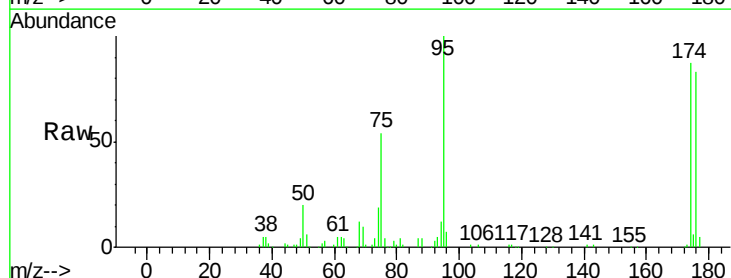
Tgt Ion: 75 Resp: 46248

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

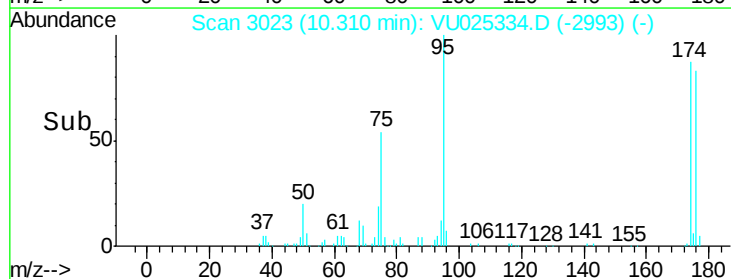
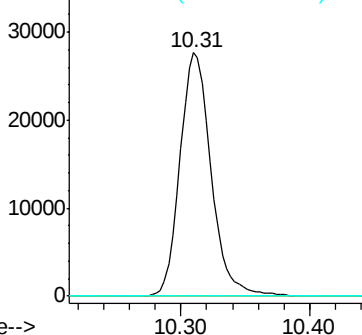
89 0.0 0.0 0.0

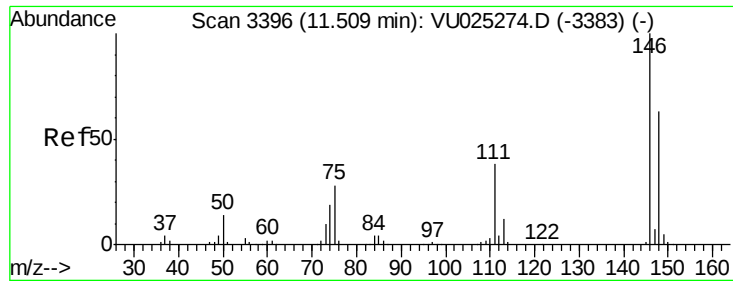


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#88

1,4-Dichlorobenzene

Concen: 1.734 ug/l

RT: 11.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

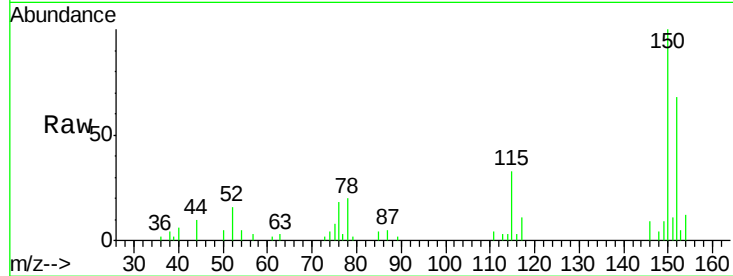
Tot Ion:146 Resp: 875

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

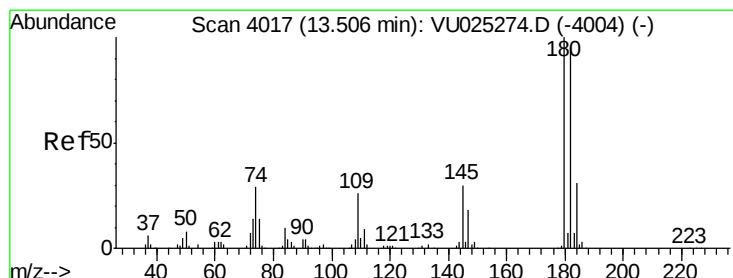
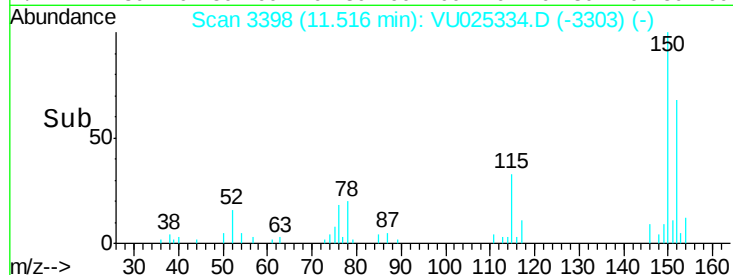
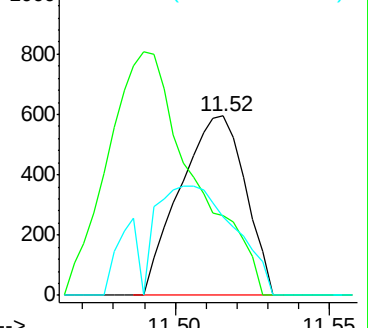
148 72.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 3.363 ug/l

RT: 13.52 min Scan# 4020

Delta R.T. 0.01 min

Lab File: VU025334.D

Acq: 12 Jul 2018 12:42

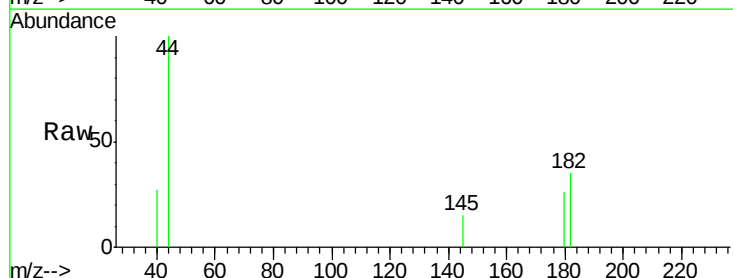
Tgt Ion:180 Resp: 204

Ion Ratio Lower Upper

180 100

182 199.5 47.3 141.9#

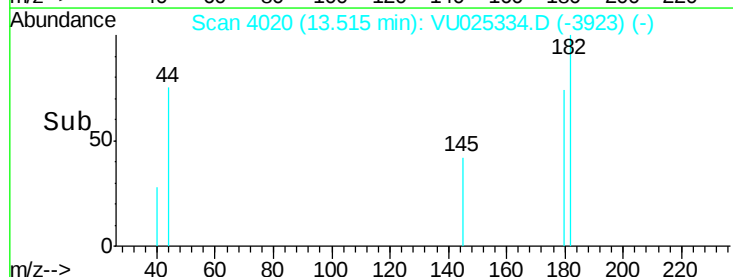
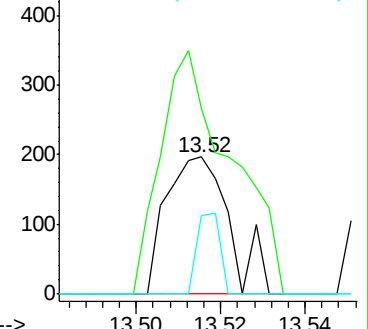
145 21.6 14.9 44.7

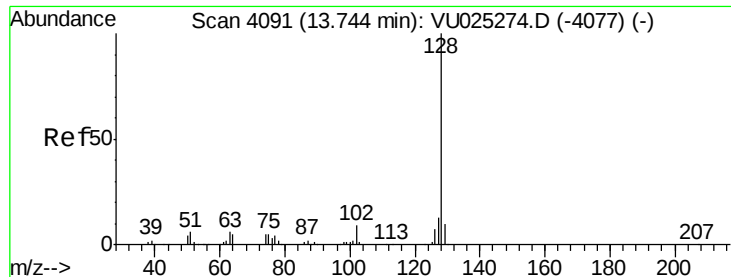


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

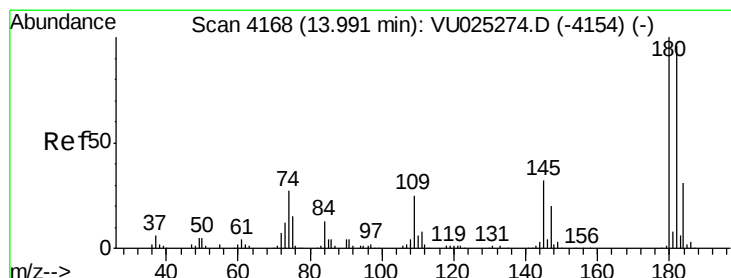
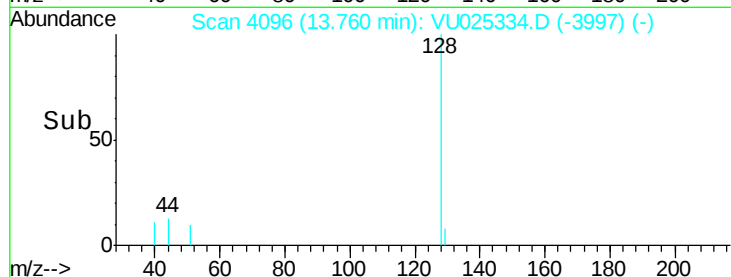
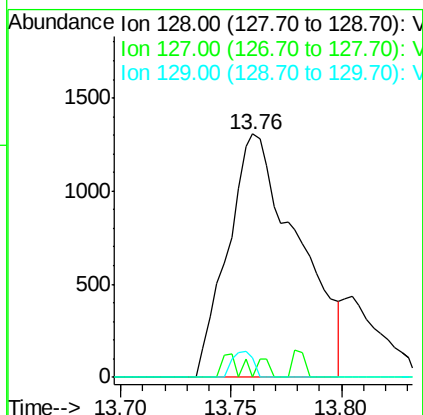
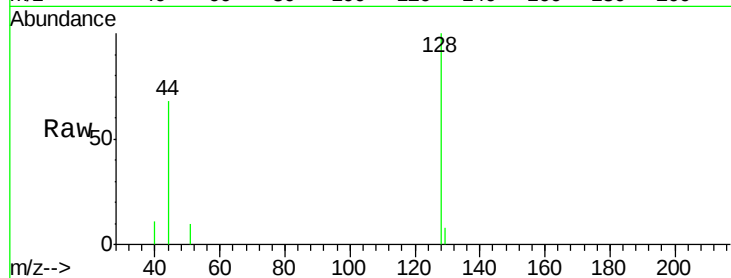




#95  
Naphthalene  
Concen: 2.792 ug/l  
RT: 13.76 min Scan# 4096  
Delta R.T. 0.02 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

Tot Ion:128 Resp: 2881  
Ion Ratio Lower Upper  
128 100  
127 1.4 10.5 15.7#  
129 3.2 8.3 12.5#



#96  
1,2,3-Trichlorobenzene  
Concen: 2.761 ug/l  
RT: 14.00 min Scan# 4171  
Delta R.T. 0.01 min  
Lab File: VU025334.D  
Acq: 12 Jul 2018 12:42

Tgt Ion:180 Resp: 588  
Ion Ratio Lower Upper  
180 100  
182 56.1 47.8 143.3  
145 0.0 15.6 46.8#

