

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\  
 Data File : VU025673.D  
 Acq On : 27 Jul 2018 16:51  
 Operator : MD/SY  
 Sample : J3762-07 LOD/MDL 0.5PPB  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jul 28 03:38:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 27 13:11:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 170950   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 267220   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 250312   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 146169   | 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   | 138658   | 52.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.12% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 110740   | 47.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.30%  |          |
| 50) Toluene-d8              | 7.57  | 98   | 388730   | 47.80 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.60%  |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 142065   | 45.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.00%  |          |

| Target Compounds              | R.T. | QIon | Response | Conc | Units  | Qvalue |
|-------------------------------|------|------|----------|------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 1282     | 0.50 | ug/l   | 98     |
| 3) Chloromethane              | 1.33 | 50   | 1647     | 0.67 | ug/l # | 88     |
| 4) Vinyl Chloride             | 1.40 | 62   | 1462     | 0.63 | ug/l   | 96     |
| 5) Bromomethane               | 1.63 | 94   | 986      | 0.87 | ug/l   | 81     |
| 6) Chloroethane               | 1.70 | 64   | 829      | 0.61 | ug/l   | 94     |
| 7) Trichlorofluoromethane     | 1.89 | 101  | 1982     | 0.59 | ug/l   | 98     |
| 8) Diethyl Ether              | 2.11 | 74   | 608      | 0.50 | ug/l   | 72     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101  | 1268     | 0.65 | ug/l   | 92     |
| 10) Methyl Iodide             | 2.41 | 142  | 726      | 8.93 | ug/l # | 89     |
| 11) Tert butyl alcohol        | 2.83 | 59   | 2731     | 4.68 | ug/l # | 91     |
| 12) 1,1-Dichloroethene        | 2.28 | 96   | 1180     | 0.64 | ug/l # | 93     |
| 13) Acrolein                  | 2.20 | 56   | 1159     | 3.48 | ug/l   | 84     |
| 14) Allyl chloride            | 2.59 | 41   | 1843     | 0.56 | ug/l   | 98     |
| 15) Acrylonitrile             | 2.94 | 53   | 3811     | 3.27 | ug/l   | 89     |
| 16) Acetone                   | 2.33 | 43   | 4361     | 3.36 | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.48 | 76   | 5528     | 0.93 | ug/l   | 97     |
| 18) Methyl Acetate            | 2.62 | 43   | 1979     | 0.63 | ug/l # | 89     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73   | 3670     | 0.55 | ug/l # | 90     |
| 20) Methylene Chloride        | 2.70 | 84   | 1712     | 0.74 | ug/l   | 87     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96   | 1418     | 0.67 | ug/l   | 90     |
| 22) Diisopropyl ether         | 3.57 | 45   | 3581     | 0.55 | ug/l # | 81     |
| 23) Vinyl Acetate             | 3.53 | 43   | 15716    | 2.77 | ug/l   | 97     |
| 24) 1,1-Dichloroethane        | 3.45 | 63   | 2221     | 0.57 | ug/l # | 83     |
| 25) 2-Butanone                | 4.27 | 43   | 5411     | 3.06 | ug/l   | 93     |
| 26) 2,2-Dichloropropane       | 4.23 | 77   | 2072     | 0.58 | ug/l # | 67     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96   | 1569     | 0.66 | ug/l   | 89     |
| 28) Bromochloromethane        | 4.56 | 49   | 928      | 0.53 | ug/l # | 98     |
| 29) Tetrahydrofuran           | 4.65 | 42   | 3260     | 3.08 | ug/l   | 94     |
| 30) Chloroform                | 4.68 | 83   | 2420     | 0.59 | ug/l   | 87     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97   | 2201     | 0.59 | ug/l # | 47     |
| 36) 1,1-Dichloropropene       | 5.14 | 75   | 1937     | 0.62 | ug/l   | 94     |
| 37) Ethyl Acetate             | 4.39 | 43   | 2302     | 0.71 | ug/l # | 79     |
| 38) Carbon Tetrachloride      | 5.14 | 117  | 1704     | 0.48 | ug/l   | 96     |
| 39) Methylcyclohexane         | 6.42 | 83   | 2220     | 0.62 | ug/l # | 92     |

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 Acq On : 27 Jul 2018 16:51  
 Operator : MD/SY  
 Sample : J3762-07 LOD/MDL 0.5PPB  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jul 28 03:38:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 27 13:11:52 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 40) Benzene                    | 5.40  | 78   | 4953     | 0.54  | ug/l   | 95       |
| 41) Methacrylonitrile          | 4.56  | 41   | 876      | 0.49  | ug/l # | 72       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 1933     | 0.55  | ug/l # | 77       |
| 43) Isopropyl Acetate          | 5.56  | 43   | 2880     | 0.54  | ug/l # | 88       |
| 44) Trichloroethene            | 6.20  | 130  | 1737     | 0.68  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 6.44  | 63   | 1273     | 0.53  | ug/l   | 99       |
| 46) Dibromomethane             | 6.57  | 93   | 983      | 0.57  | ug/l # | 71       |
| 47) Bromodichloromethane       | 6.77  | 83   | 1670     | 0.51  | ug/l # | 96       |
| 48) Methyl methacrylate        | 6.63  | 41   | 1550     | 0.59  | ug/l   | 90       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 660      | 10.34 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 9759     | 2.91  | ug/l   | 94       |
| 52) Toluene                    | 7.64  | 92   | 3190     | 0.56  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.89  | 75   | 1977     | 0.54  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene    | 7.28  | 75   | 2270     | 0.60  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane      | 8.08  | 97   | 1376     | 0.58  | ug/l # | 76       |
| 56) Ethyl methacrylate         | 8.03  | 69   | 1610     | 0.48  | ug/l   | 89       |
| 57) 1,3-Dichloropropane        | 8.25  | 76   | 2039     | 0.51  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 7.14  | 63   | 3124     | 9.07  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.37  | 43   | 7432     | 2.83  | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.48  | 129  | 1390     | 0.50  | ug/l   | 94       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 1508     | 0.58  | ug/l   | 90       |
| 64) Tetrachloroethene          | 8.24  | 164  | 1595     | 0.72  | ug/l   | 86       |
| 65) Chlorobenzene              | 9.12  | 112  | 3841     | 0.60  | ug/l # | 84       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 1293     | 0.55  | ug/l # | 61       |
| 67) Ethyl Benzene              | 9.26  | 91   | 6260     | 0.59  | ug/l   | 98       |
| 68) m/p-Xylenes                | 9.38  | 106  | 4597     | 1.12  | ug/l   | 89       |
| 69) o-Xylene                   | 9.78  | 106  | 2259     | 0.56  | ug/l   | 94       |
| 70) Stvrene                    | 9.80  | 104  | 3819     | 0.59  | ug/l   | 96       |
| 71) Bromoform                  | 9.96  | 173  | 813      | 0.40  | ug/l # | 83       |
| 73) Isopropylbenzene           | 10.17 | 105  | 6118     | 0.61  | ug/l   | 96       |
| 74) N-amyl acetate             | 10.02 | 43   | 2608     | 0.64  | ug/l # | 84       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 2136     | 0.62  | ug/l # | 90       |
| 76) 1,2,3-Trichloropropane     | 10.50 | 75   | 2653     | 0.82  | ug/l   | 83       |
| 77) Bromobenzene               | 10.46 | 156  | 2123     | 0.77  | ug/l   | 81       |
| 78) n-propylbenzene            | 10.59 | 91   | 7004     | 0.60  | ug/l   | 94       |
| 79) 2-Chlorotoluene            | 10.67 | 91   | 4560     | 0.67  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 5054     | 0.60  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-buten | 10.50 | 75   | 2653     | 2.07  | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.78 | 91   | 5208     | 0.65  | ug/l   | 95       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 5244     | 0.62  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 5381     | 0.63  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.33 | 105  | 6353     | 0.62  | ug/l   | 94       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 6000     | 0.65  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene        | 11.43 | 146  | 3741     | 0.73  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 11.43 | 146  | 3741     | 0.70  | ug/l   | 97       |
| 89) n-Butylbenzene             | 11.90 | 91   | 5713     | 0.67  | ug/l   | 94       |
| 90) Hexachloroethane           | 12.15 | 117  | 630      | 0.39  | ug/l   | 66       |
| 91) 1,2-Dichlorobenzene        | 11.89 | 146  | 3600     | 0.72  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.65 | 75   | 295      | 0.36  | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene     | 13.51 | 180  | 2910     | 0.86  | ug/l   | 97       |

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Data File : VU025673.D  
Acq On : 27 Jul 2018 16:51  
Operator : MD/SY  
Sample : J3762-07 LOD/MDL 0.5PPB  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 17 Sample Multiplier: 1

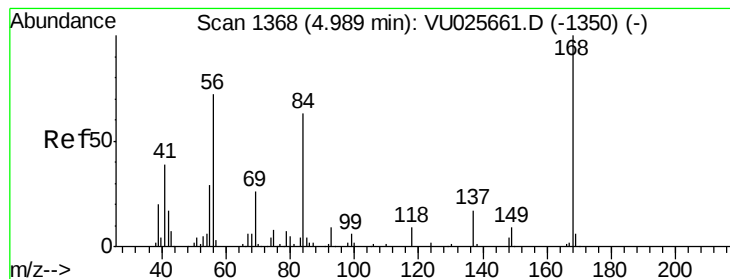
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 28 03:38:55 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 27 13:11:52 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 94) Hexachlorobutadiene    | 13.70 | 225  | 1141     | 0.64 | ug/l  | 95       |
| 95) Naphthalene            | 13.75 | 128  | 16549    | 2.74 | ug/l  | 96       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 3270     | 0.97 | ug/l  | 92       |

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

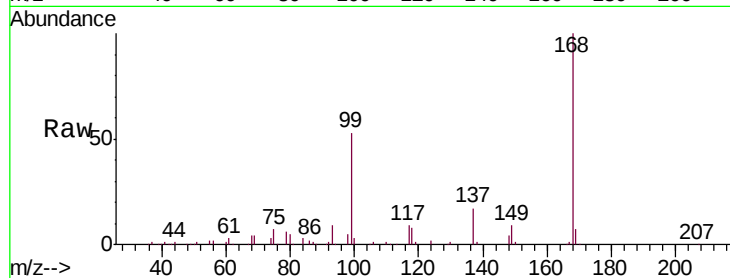
LOD-MDL-WATER-01-QT3-2018

Tot Ion:168 Resp: 170950

Ion Ratio Lower Upper

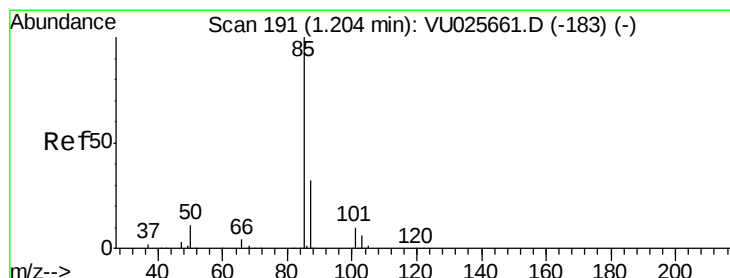
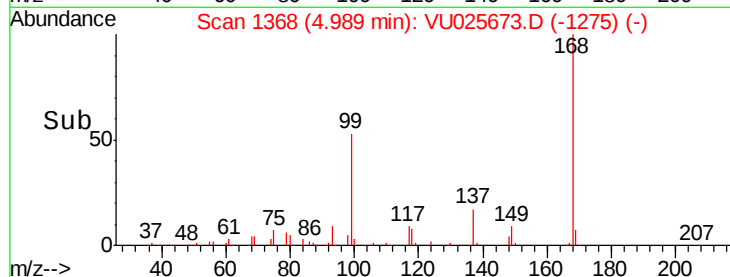
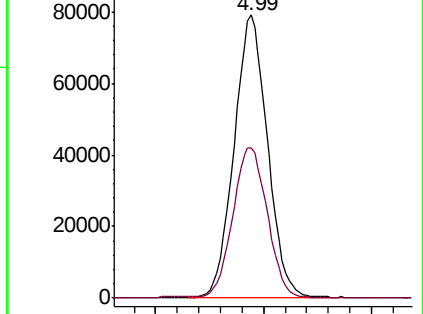
168 100

99 53.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 0.50 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025673.D

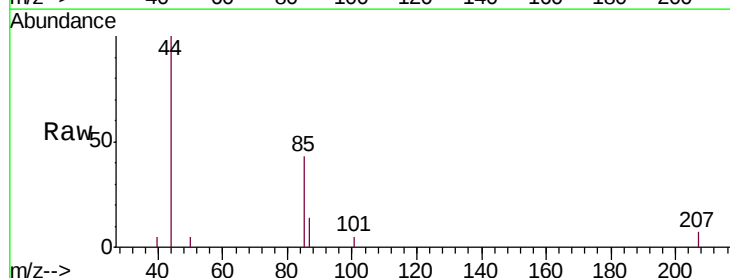
Acq: 27 Jul 2018 16:51

Tgt Ion: 85 Resp: 1282

Ion Ratio Lower Upper

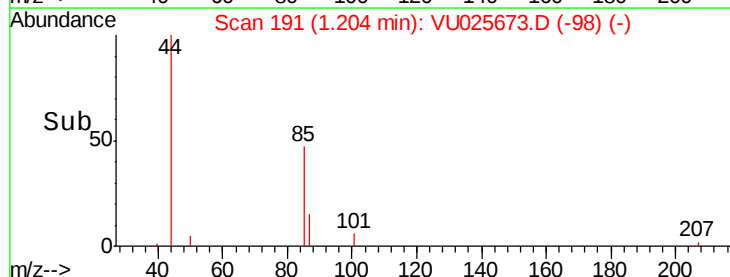
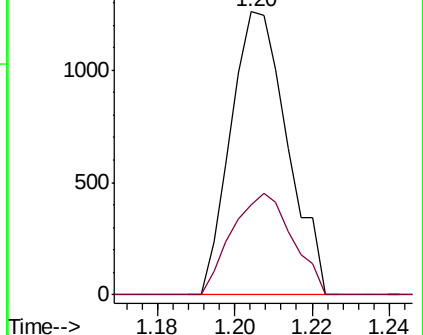
85 100

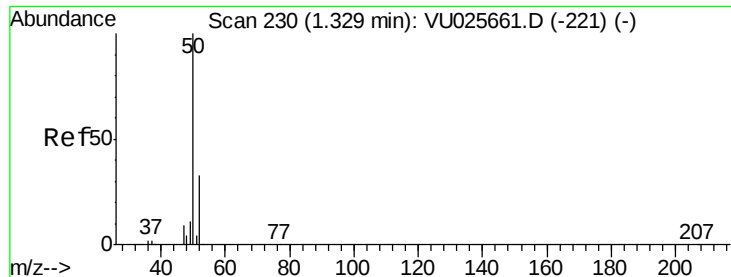
87 31.9 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)





#3

Chloromethane

Concen: 0.67 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

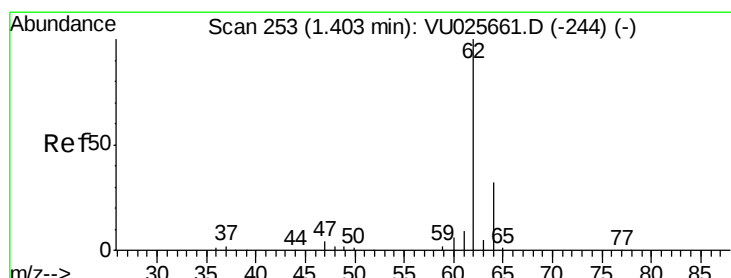
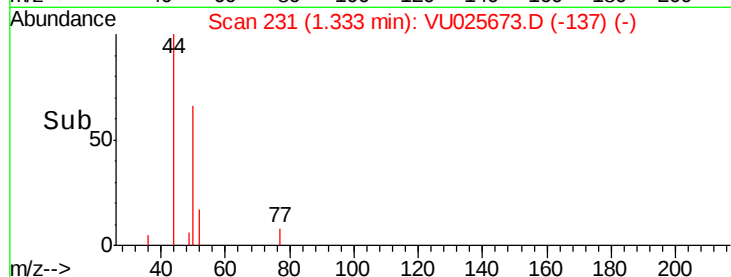
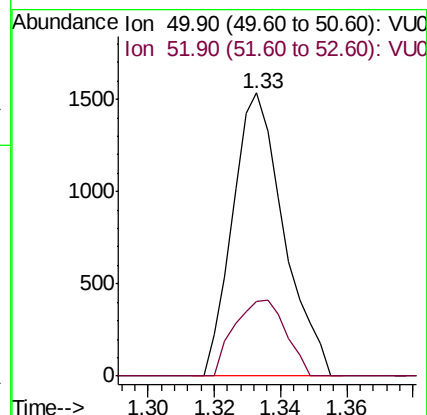
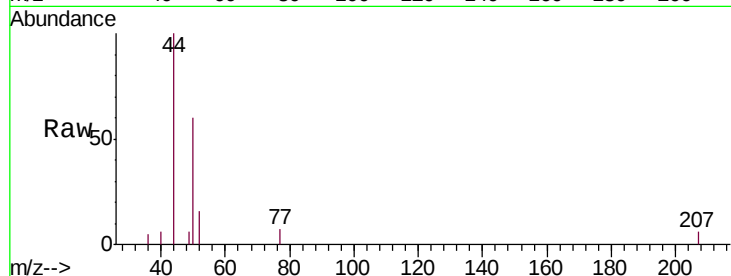
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 50 Resp: 1647

Ion Ratio Lower Upper

50 100

52 26.2 26.5 39.7#



#4

Vinyl Chloride

Concen: 0.63 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025673.D

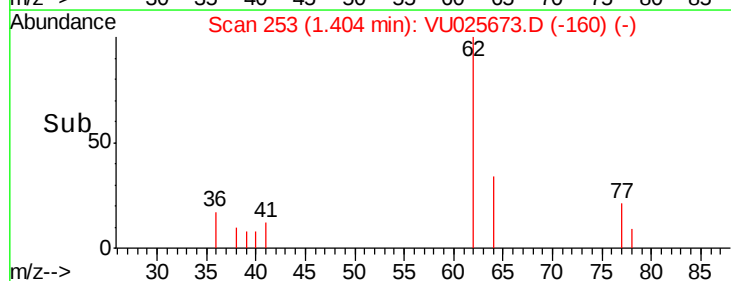
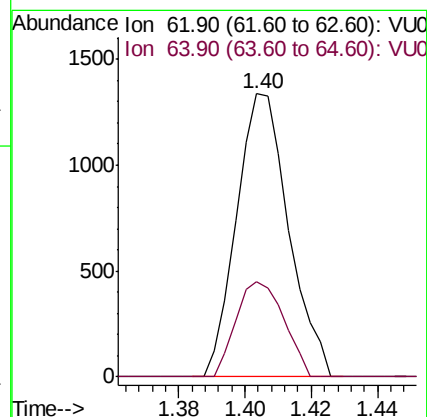
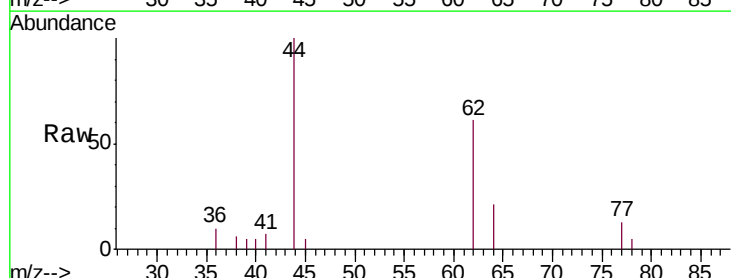
Acq: 27 Jul 2018 16:51

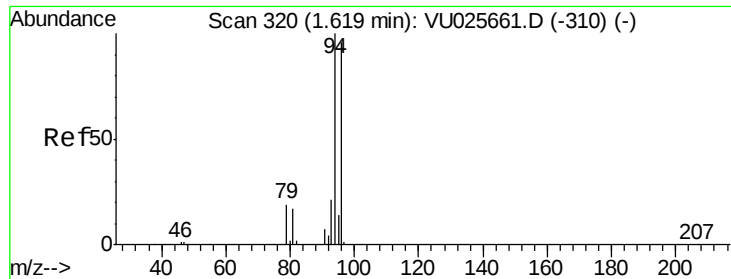
Tgt Ion: 62 Resp: 1462

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.0





#5

Bromomethane

Concen: 0.87 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

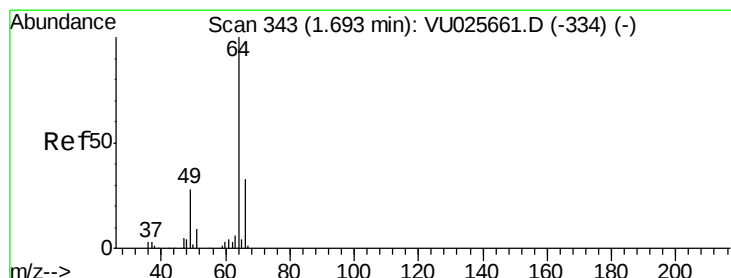
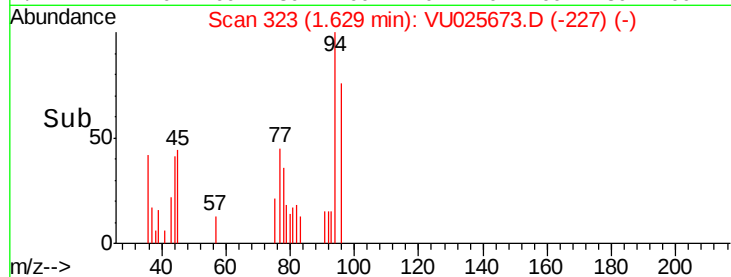
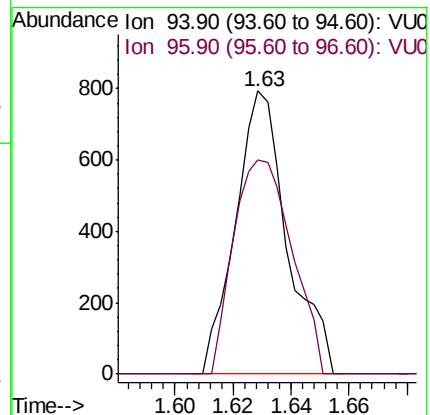
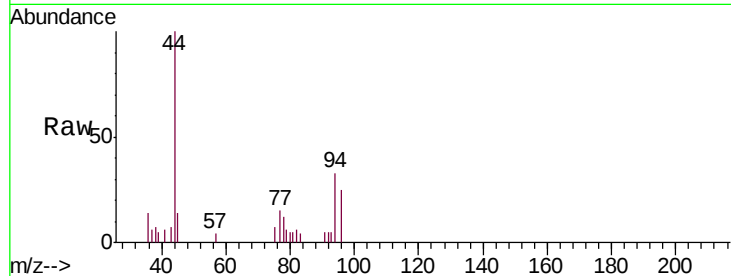
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 94 Resp: 986

Ion Ratio Lower Upper

94 100

96 75.7 75.0 112.4



#6

Chloroethane

Concen: 0.61 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025673.D

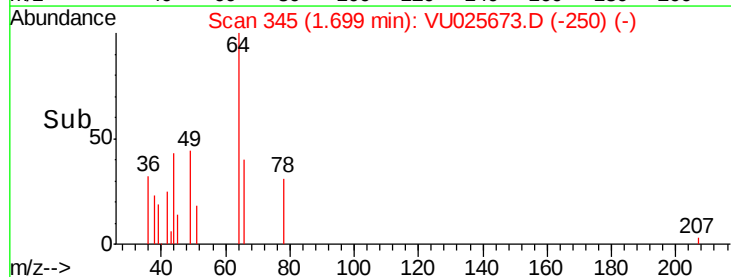
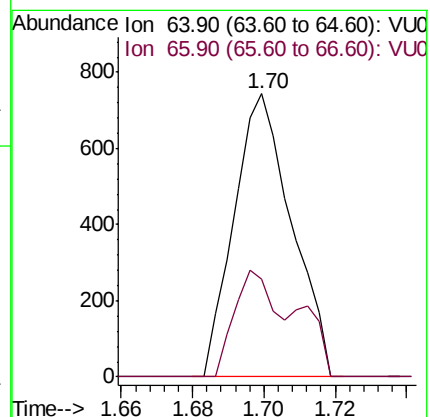
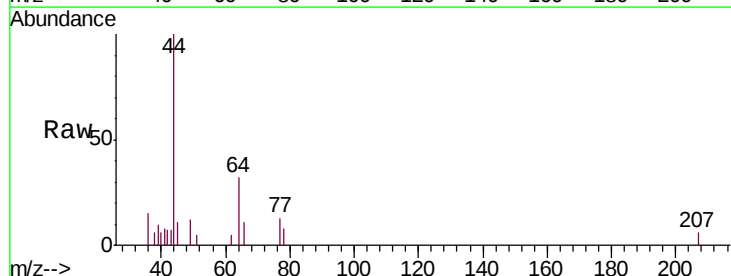
Acq: 27 Jul 2018 16:51

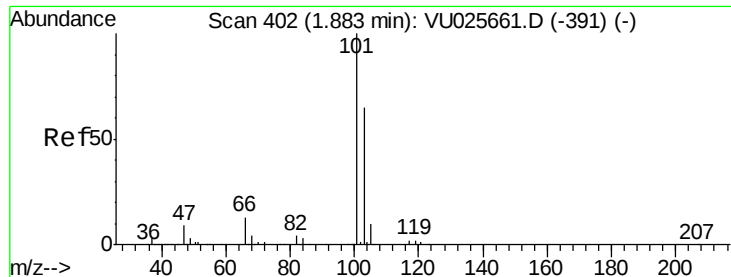
Tgt Ion: 64 Resp: 829

Ion Ratio Lower Upper

64 100

66 34.5 25.0 37.4





#7

Trichlorofluoromethane

Concen: 0.59 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

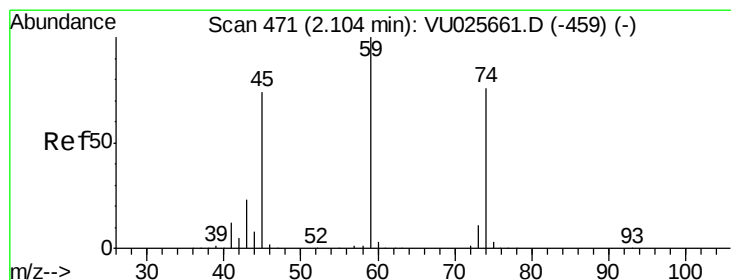
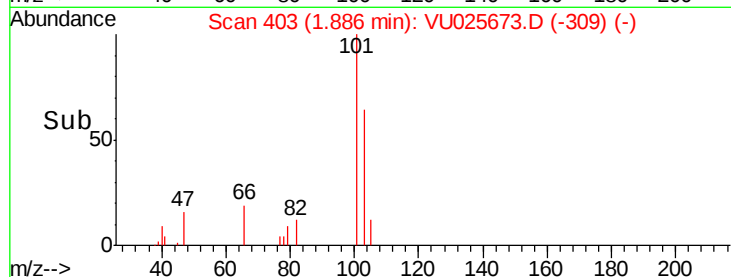
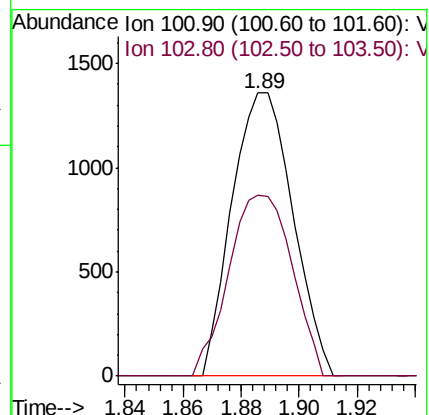
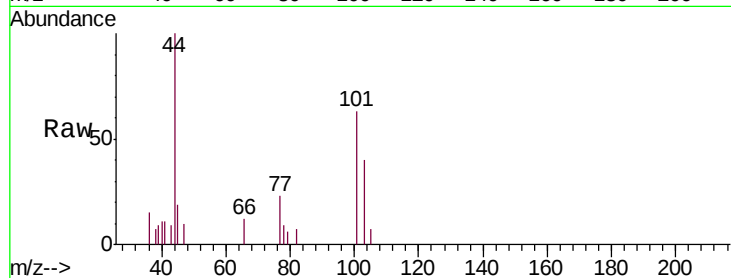
LOD-MDL-WATER-01-QT3-2018

Tot Ion:101 Resp: 1982

Ion Ratio Lower Upper

101 100

103 63.9 52.2 78.2



#8

Diethyl Ether

Concen: 0.50 ug/l

RT: 2.11 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU025673.D

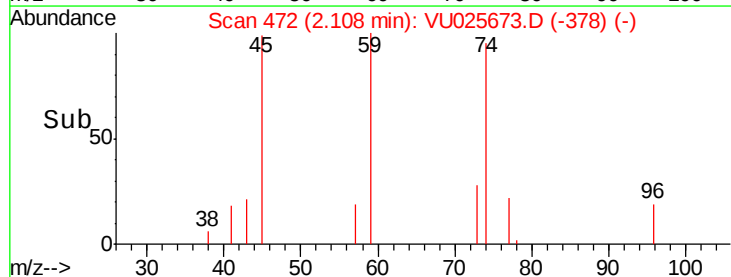
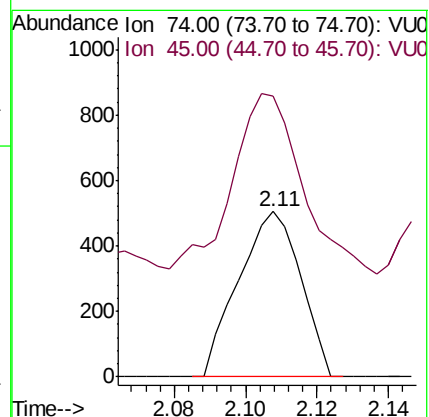
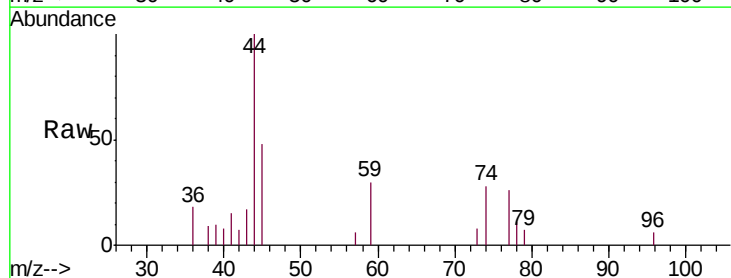
Acq: 27 Jul 2018 16:51

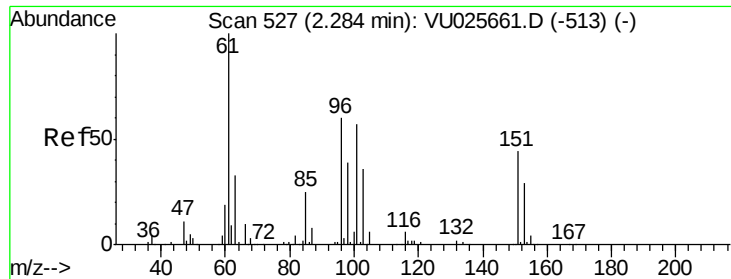
Tgt Ion: 74 Resp: 608

Ion Ratio Lower Upper

74 100

45 123.8 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.65 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

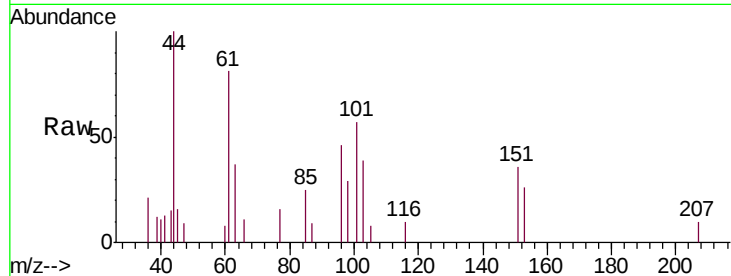
Tot Ion:101 Resp: 1268

Ion Ratio Lower Upper

101 100

85 42.7 36.0 54.0

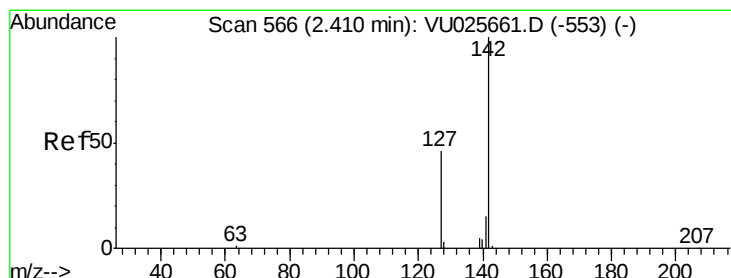
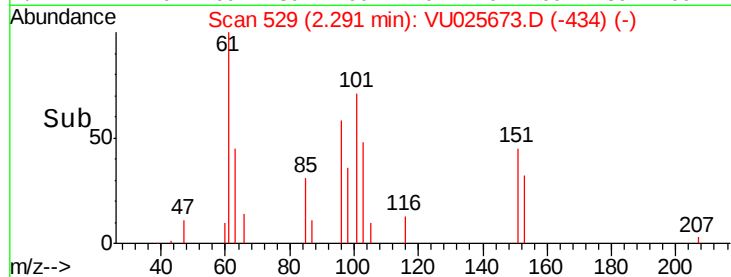
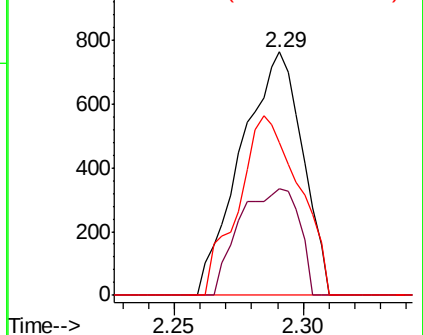
151 73.0 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 8.93 ug/l

RT: 2.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

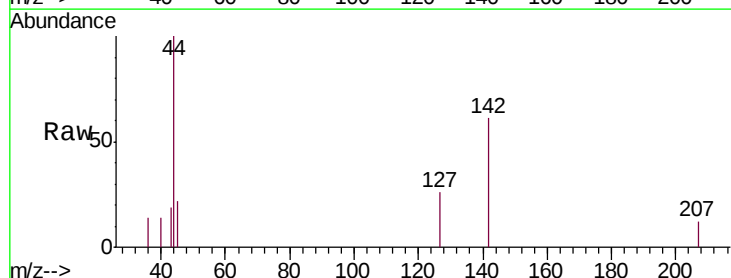
Tgt Ion:142 Resp: 726

Ion Ratio Lower Upper

142 100

127 43.1 36.5 54.7

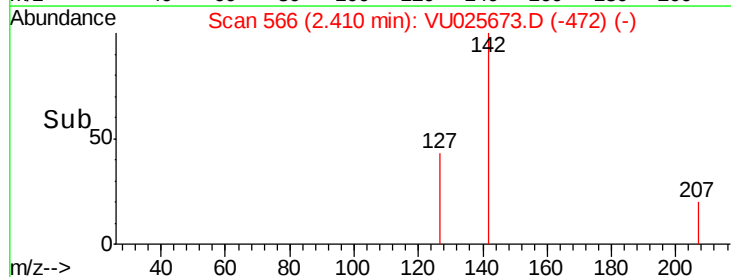
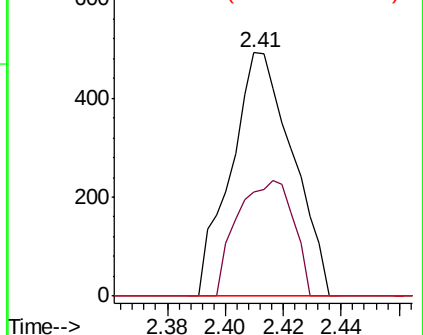
141 0.0 11.4 17.2#

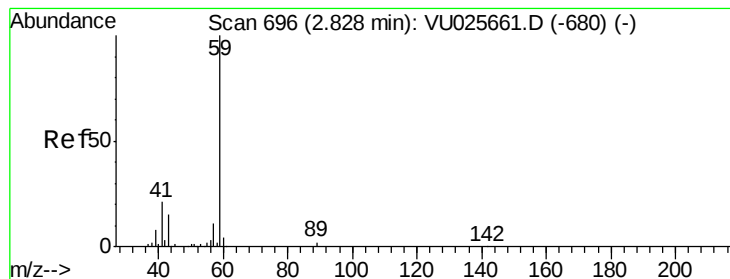


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



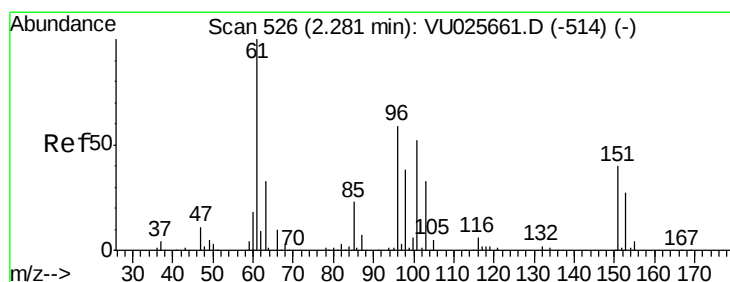
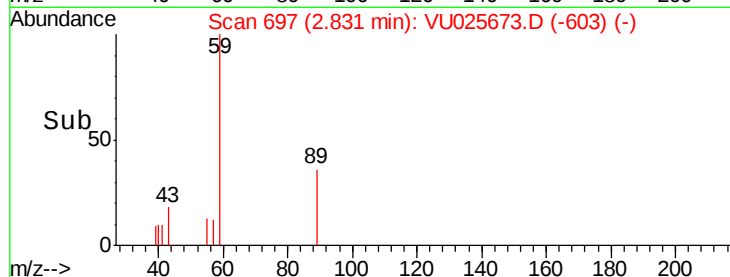
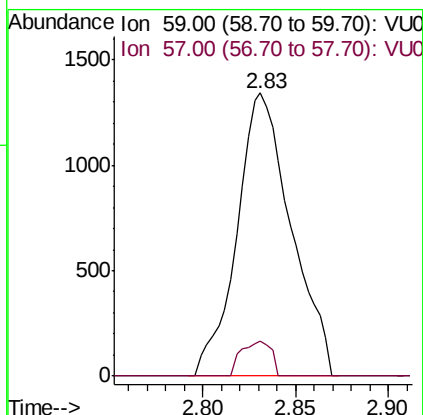
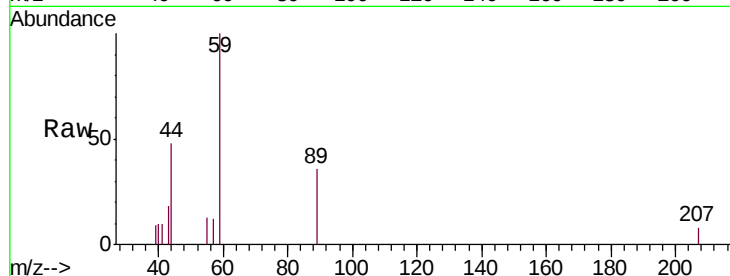


#11

Tert butyl alcohol  
Concen: 4.68 ug/l  
RT: 2.83 min Scan# 697  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

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

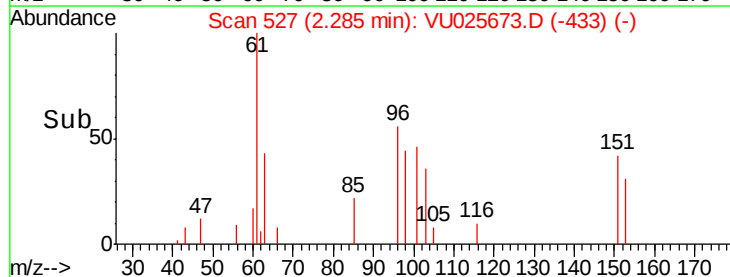
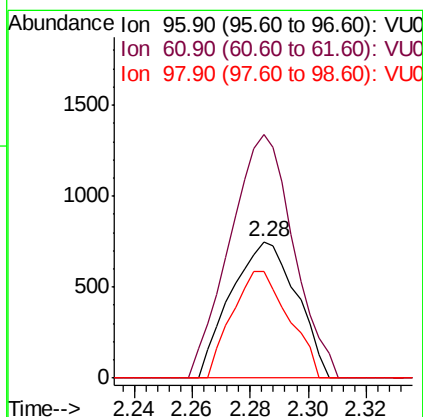
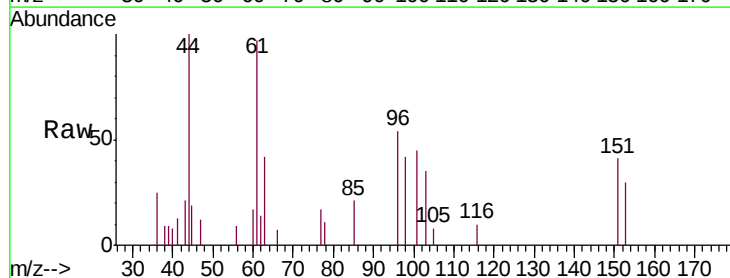
Tot Ion: 59 Resp: 2731  
Ion Ratio Lower Upper  
59 100  
57 6.8 8.2 12.2#

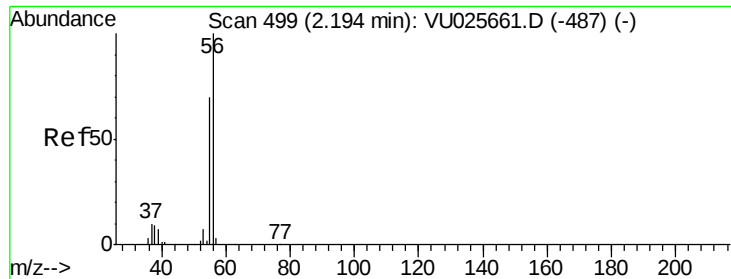


#12

1,1-Dichloroethene  
Concen: 0.64 ug/l  
RT: 2.28 min Scan# 527  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

Tgt Ion: 96 Resp: 1180  
Ion Ratio Lower Upper  
96 100  
61 178.9 140.2 210.4  
98 77.9 49.3 73.9#

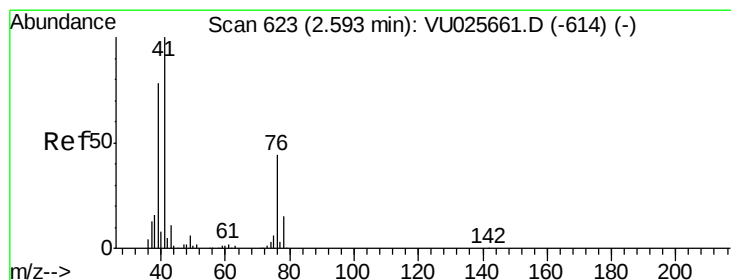
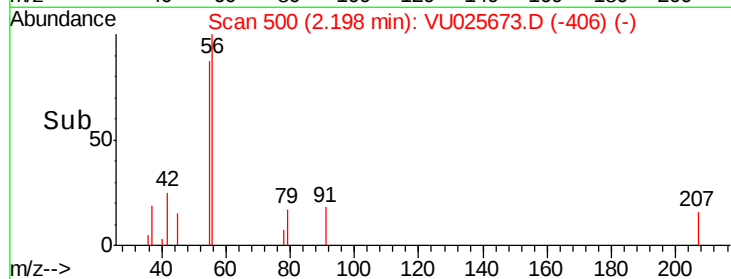
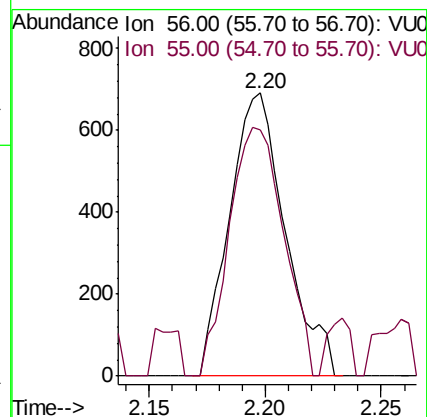
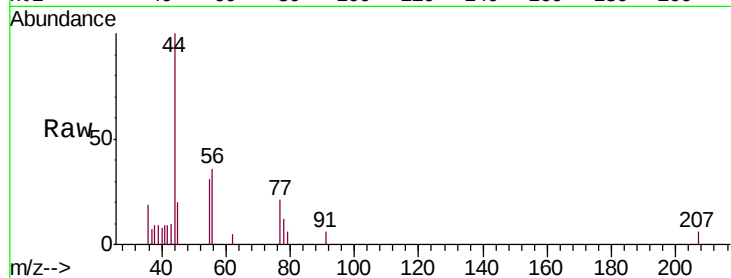




#13  
Acrolein  
Concen: 3.48 ug/l  
RT: 2.20 min Scan# 500  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

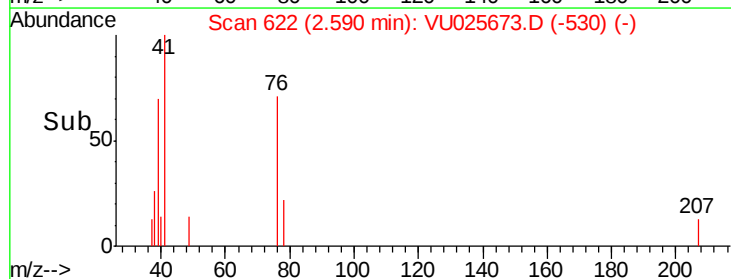
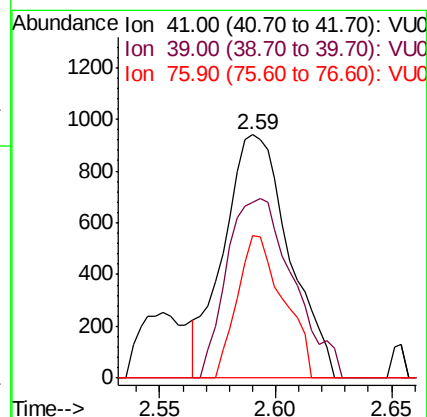
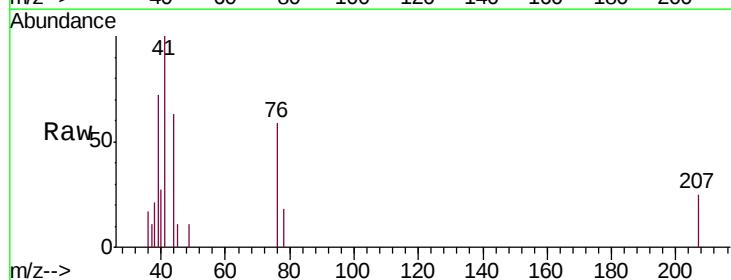
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

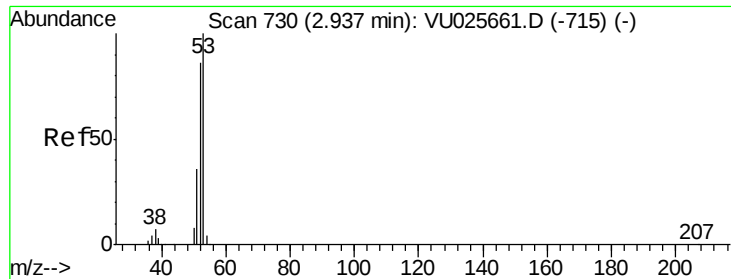
Tot Ion: 56 Resp: 1159  
Ion Ratio Lower Upper  
56 100  
55 85.1 57.2 85.8



#14  
Allyl chloride  
Concen: 0.56 ug/l  
RT: 2.59 min Scan# 622  
Delta R.T. -0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

Tgt Ion: 41 Resp: 1843  
Ion Ratio Lower Upper  
41 100  
39 75.1 60.6 91.0  
76 41.3 30.5 45.7





#15

Acrylonitrile

Concen: 3.27 ug/l

RT: 2.94 min Scan# 732

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

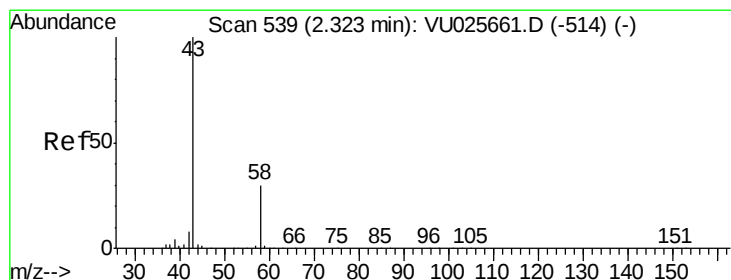
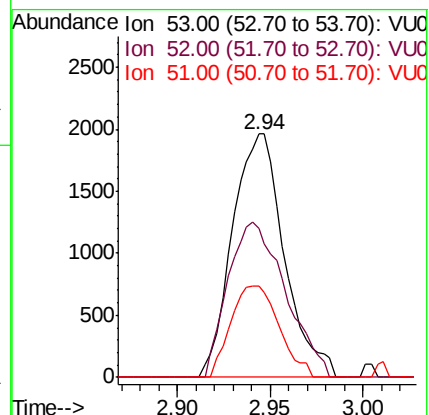
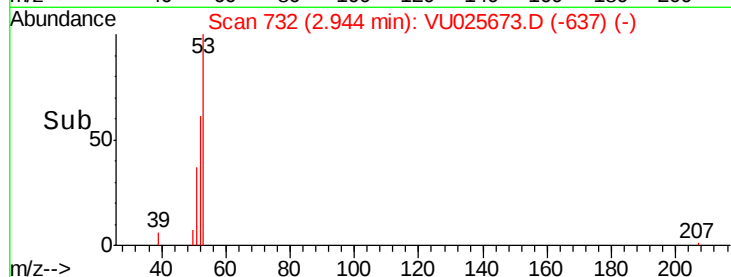
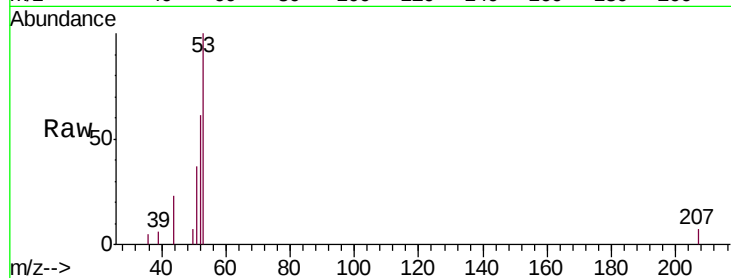
Tot Ion: 53 Resp: 3811

Ion Ratio Lower Upper

53 100

52 70.5 66.6 99.8

51 34.8 29.4 44.2



#16

Acetone

Concen: 3.36 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025673.D

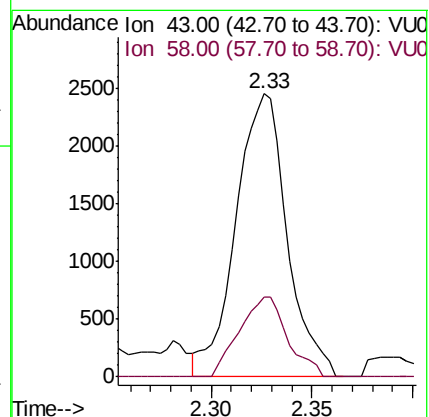
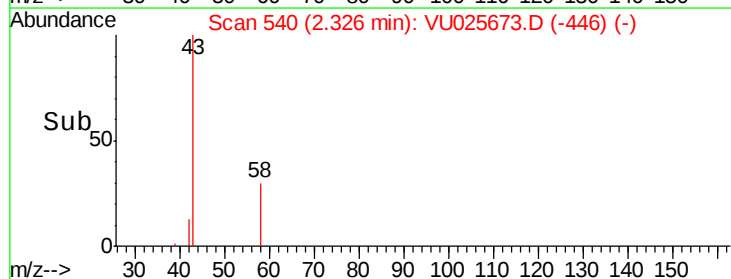
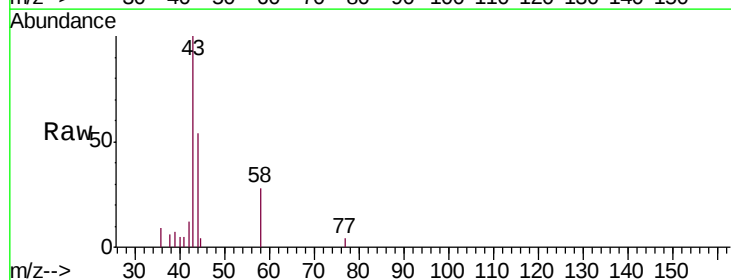
Acq: 27 Jul 2018 16:51

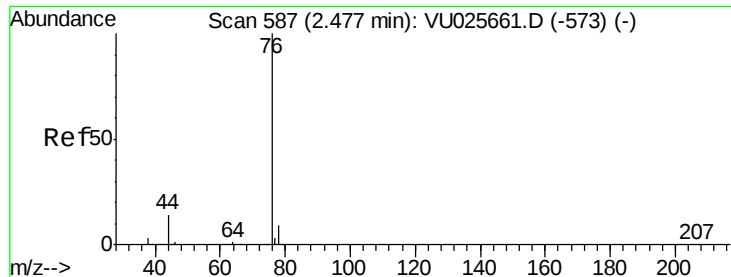
Tgt Ion: 43 Resp: 4361

Ion Ratio Lower Upper

43 100

58 28.1 23.1 34.7





#17

Carbon Disulfide

Concen: 0.93 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

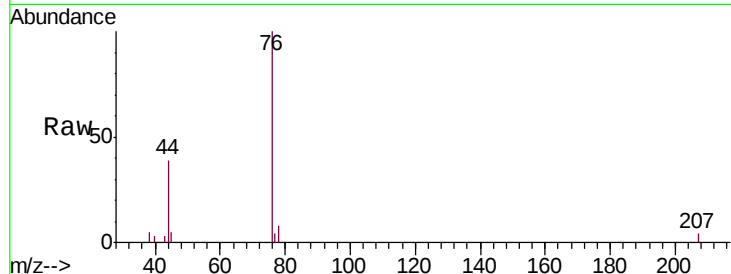
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 76 Resp: 5528

Ion Ratio Lower Upper

76 100

78 8.4 7.4 11.2

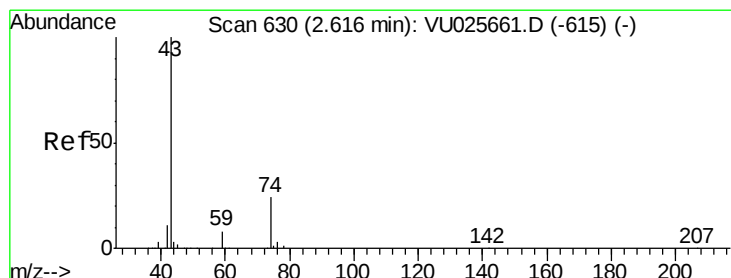
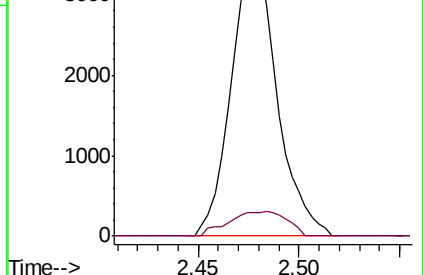
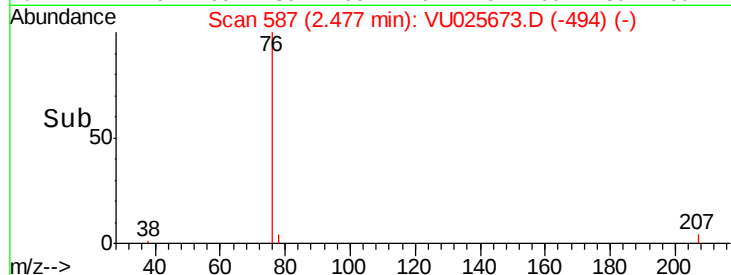


Abundance Ion 75.90 (75.60 to 76.60): VU025661.D (-573) (-)

Ion 77.90 (77.60 to 78.60): VU025661.D (-573) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 0.63 ug/l

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU025673.D

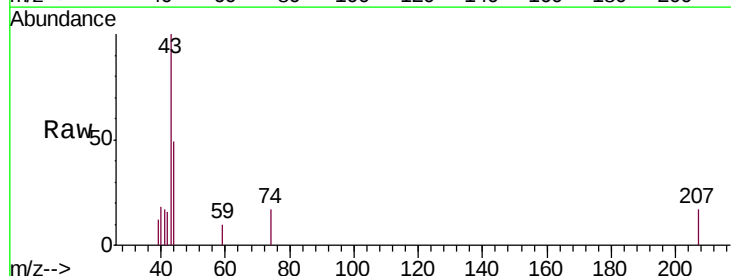
Acq: 27 Jul 2018 16:51

Tgt Ion: 43 Resp: 1979

Ion Ratio Lower Upper

43 100

74 17.5 18.5 27.7#

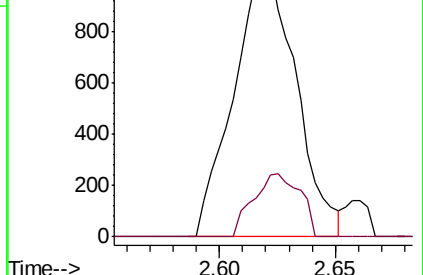
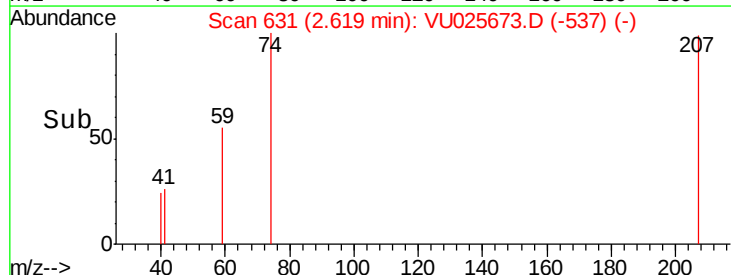


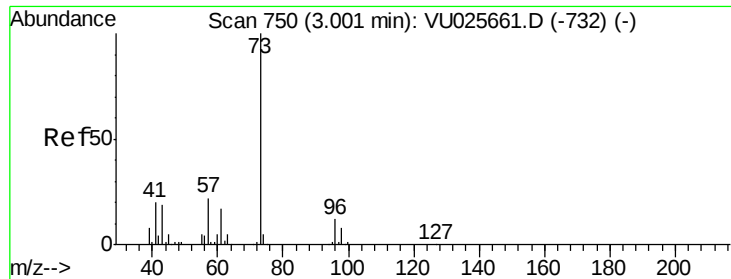
Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-615) (-)

Ion 74.00 (73.70 to 74.70): VU025661.D (-615) (-)

2.62

Time-->



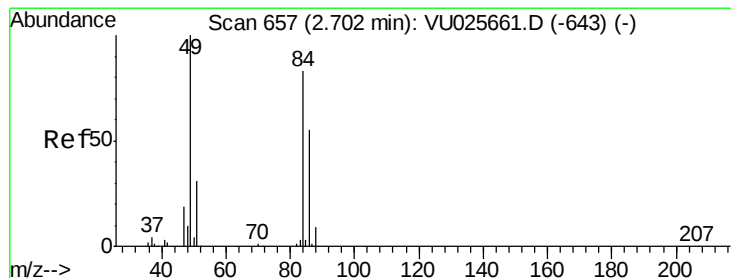
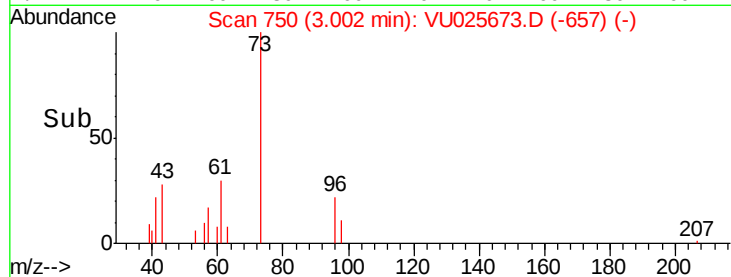
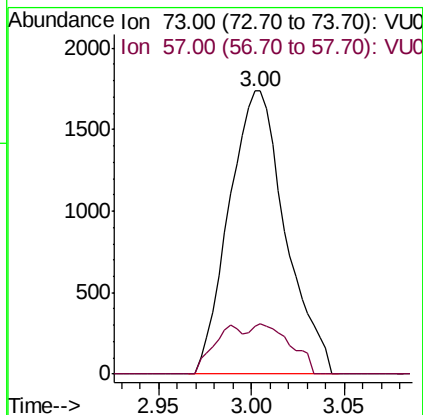
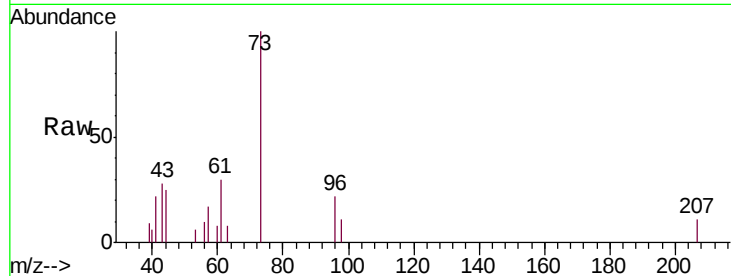


#19

Methvl tert-butvl Ether  
 Concen: 0.55 ug/l  
 RT: 3.00 min Scan# 750  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

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

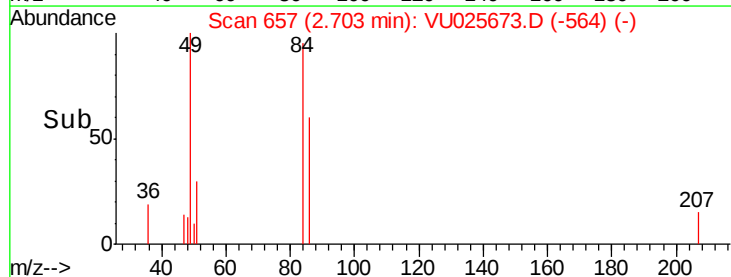
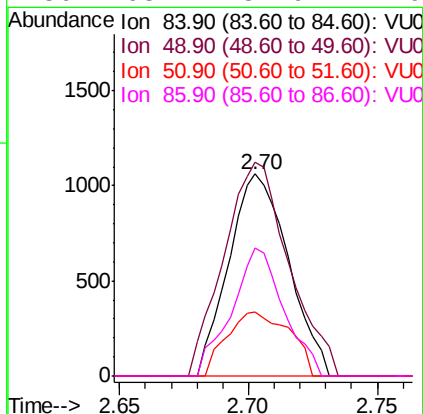
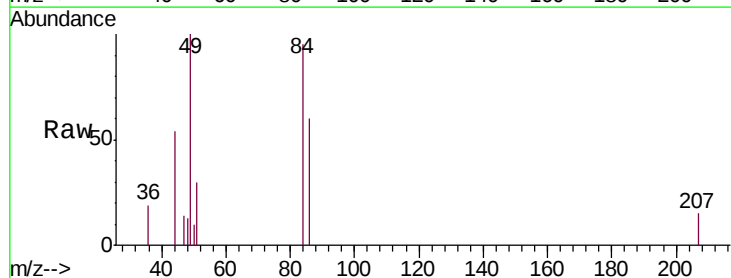
Tot Ion: 73 Resp: 3670  
 Ion Ratio Lower Upper  
 73 100  
 57 16.9 17.4 26.2#

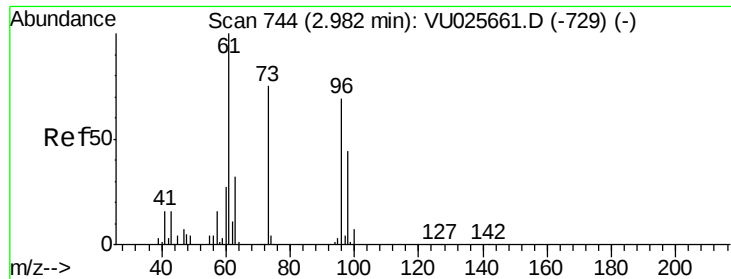


#20

Methylene Chloride  
 Concen: 0.74 ug/l  
 RT: 2.70 min Scan# 657  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

Tgt Ion: 84 Resp: 1712  
 Ion Ratio Lower Upper  
 84 100  
 49 105.6 101.8 152.6  
 51 31.5 30.8 46.2  
 86 63.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 0.67 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

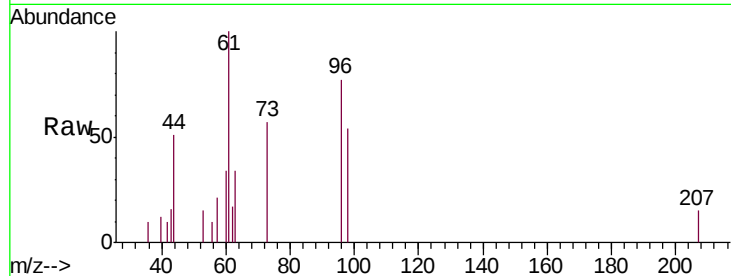
Tot Ion: 96 Resp: 1418

Ion Ratio Lower Upper

96 100

61 130.4 114.5 171.7

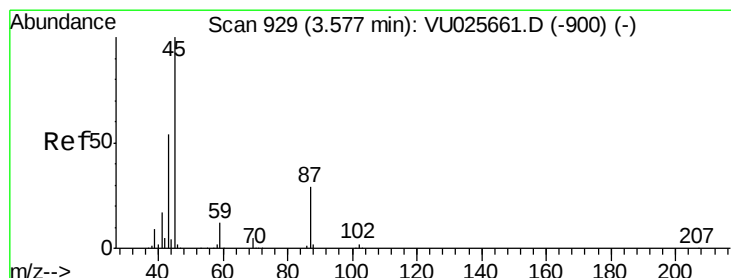
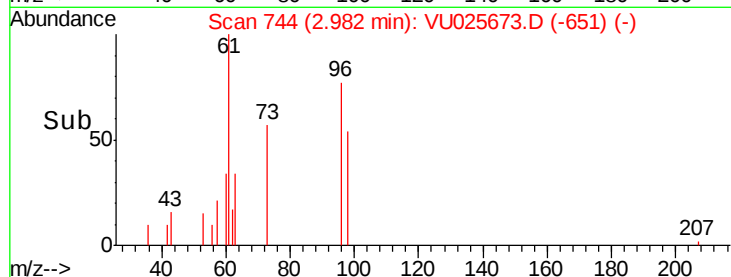
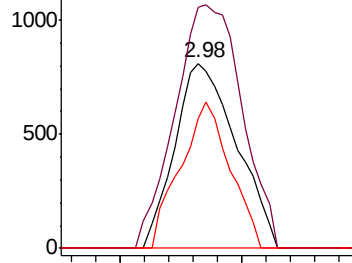
98 70.2 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU025673.D (-651) (-)

Ion 60.90 (60.60 to 61.60): VU025673.D (-651) (-)

Ion 97.90 (97.60 to 98.60): VU025673.D (-651) (-)



#22

Diisopropyl ether

Concen: 0.55 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Tgt Ion: 45 Resp: 3581

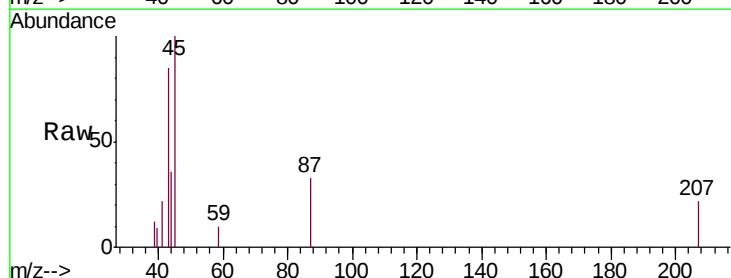
Ion Ratio Lower Upper

45 100

43 84.9 50.9 76.3#

87 32.8 23.8 35.8

59 9.8 9.0 13.4

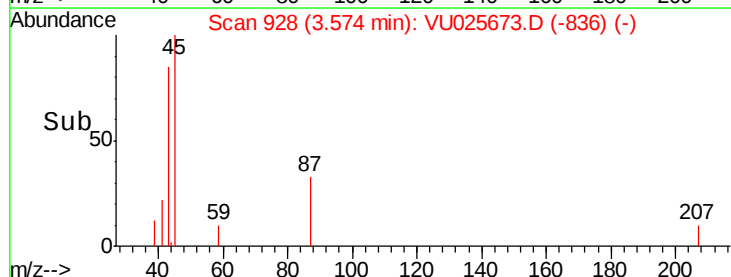
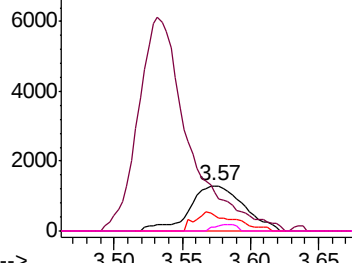


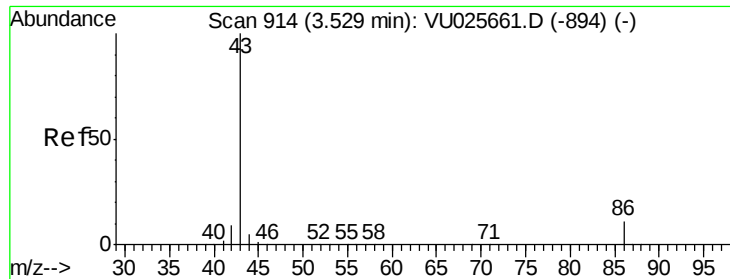
Abundance Ion 45.00 (44.70 to 45.70): VU025673.D (-836) (-)

Ion 43.00 (42.70 to 43.70): VU025673.D (-836) (-)

Ion 87.00 (86.70 to 87.70): VU025673.D (-836) (-)

Ion 59.00 (58.70 to 59.70): VU025673.D (-836) (-)





#23

Vinyl Acetate

Concen: 2.77 ug/l

RT: 3.53 min Scan# 915

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

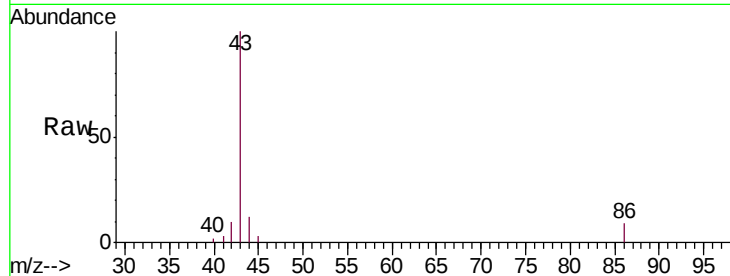
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 15716

Ion Ratio Lower Upper

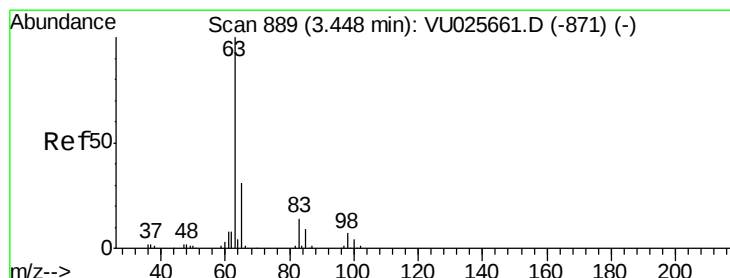
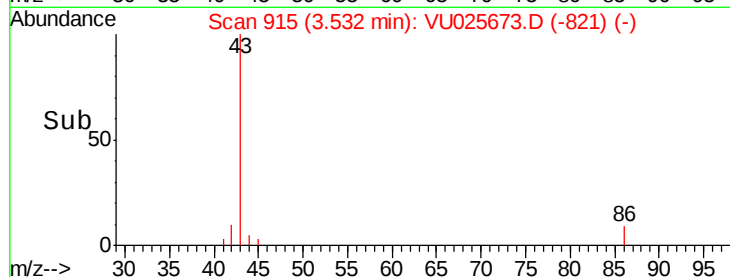
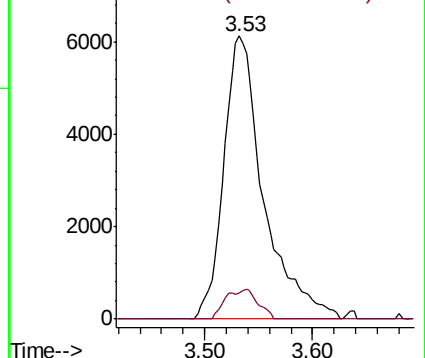
43 100

86 9.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 0.57 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

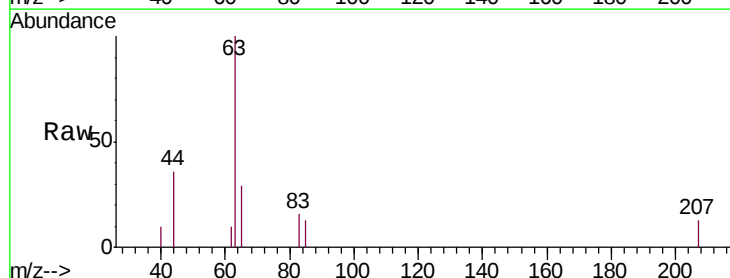
Tgt Ion: 63 Resp: 2221

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.1#

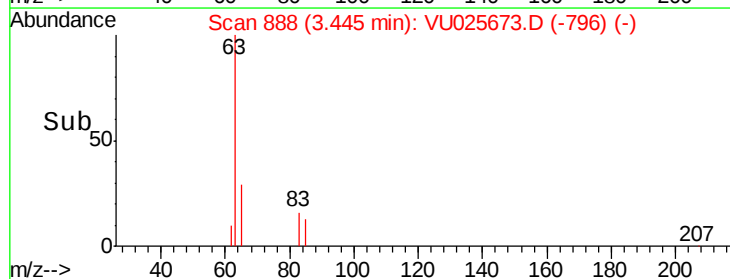
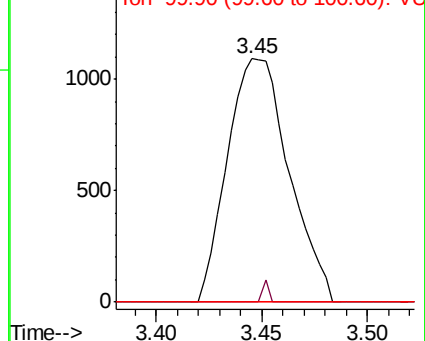
100 0.0 2.0 6.0#

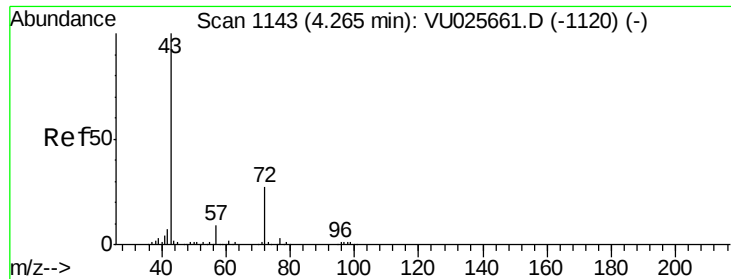


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 3.06 ug/l

RT: 4.27 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

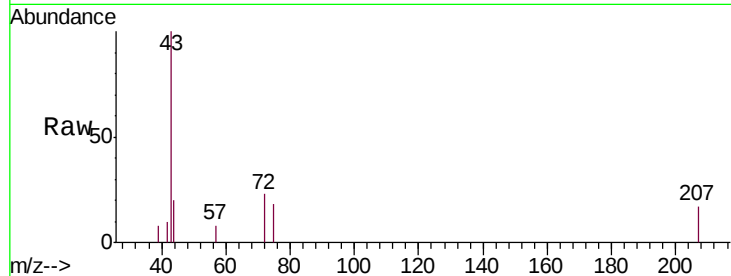
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 43 Resp: 5411

Ion Ratio Lower Upper

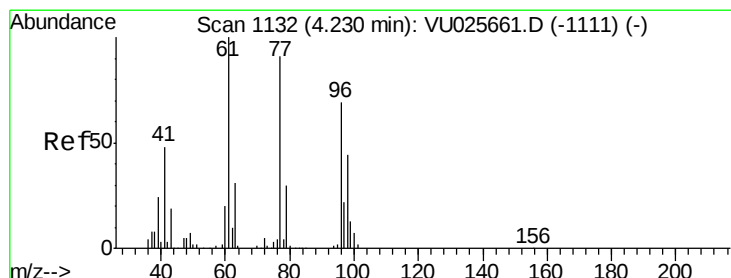
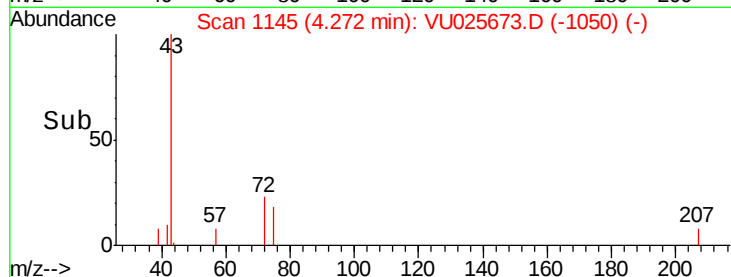
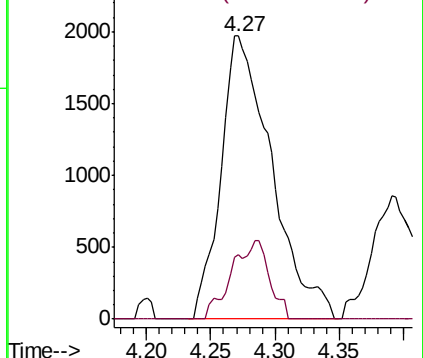
43 100

72 22.7 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 0.58 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025673.D

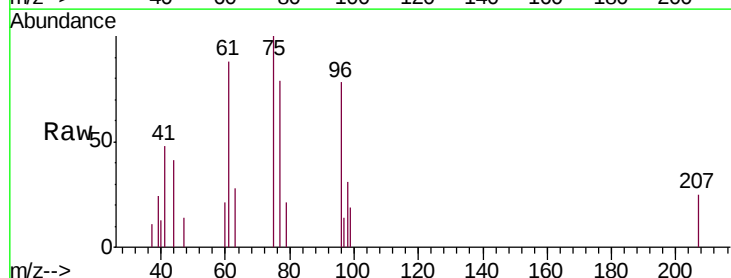
Acq: 27 Jul 2018 16:51

Tgt Ion: 77 Resp: 2072

Ion Ratio Lower Upper

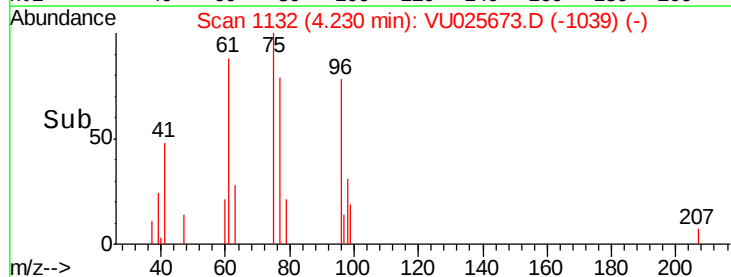
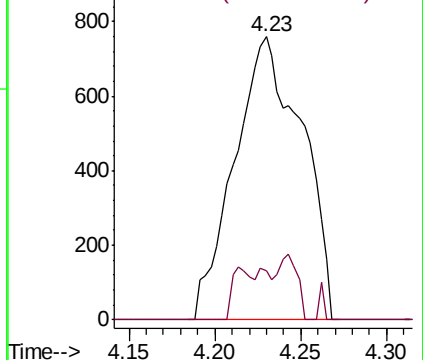
77 100

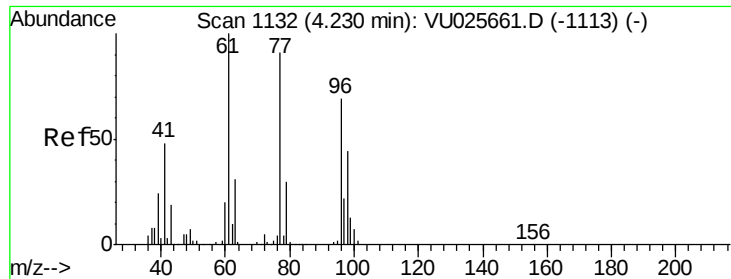
97 6.7 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 0.66 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

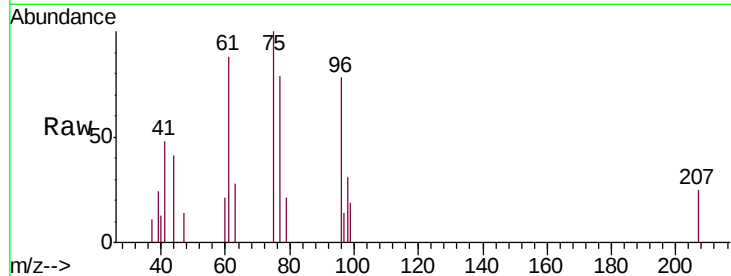
Tot Ion: 96 Resp: 1569

Ion Ratio Lower Upper

96 100

61 144.8 0.0 299.8

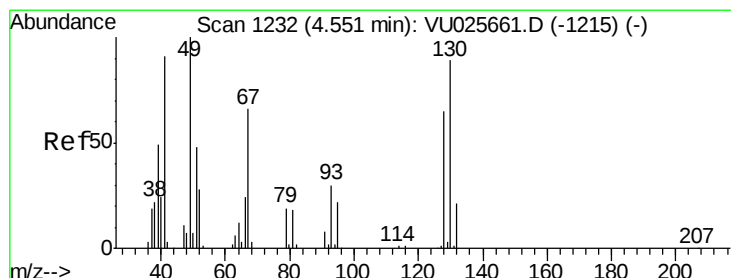
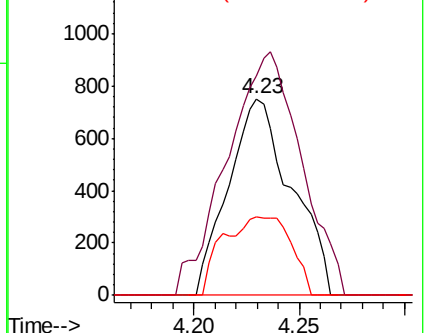
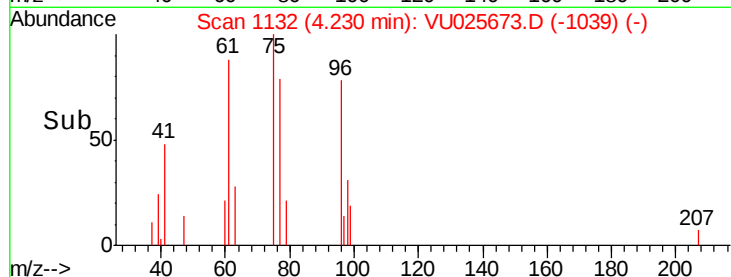
98 42.6 0.0 128.6



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



#28

Bromochloromethane

Concen: 0.53 ug/l

RT: 4.56 min Scan# 1235

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

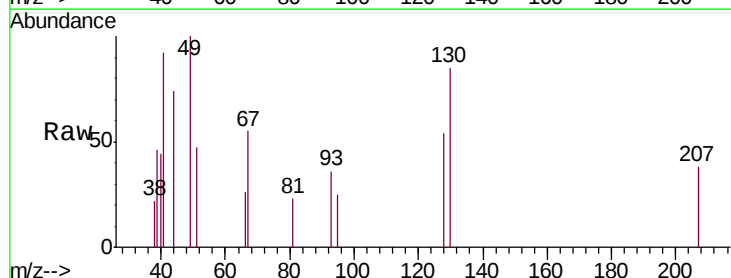
Tgt Ion: 49 Resp: 928

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

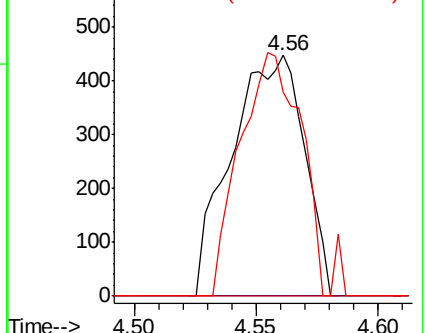
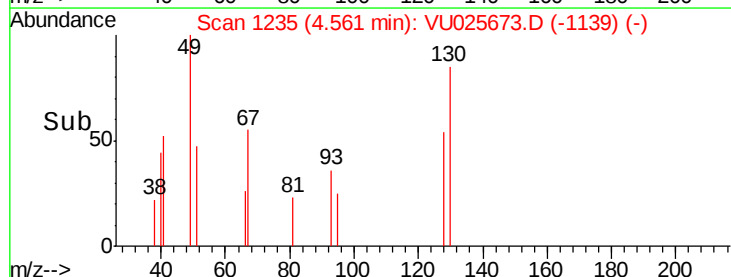
130 84.4 68.6 102.8

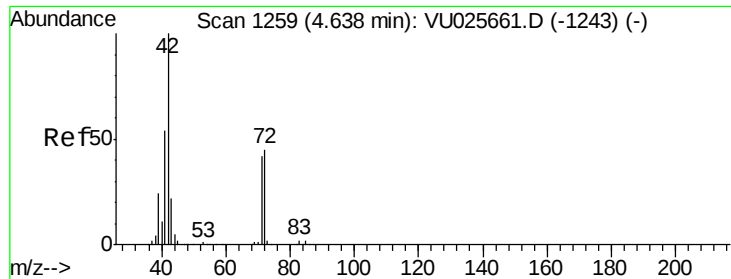


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

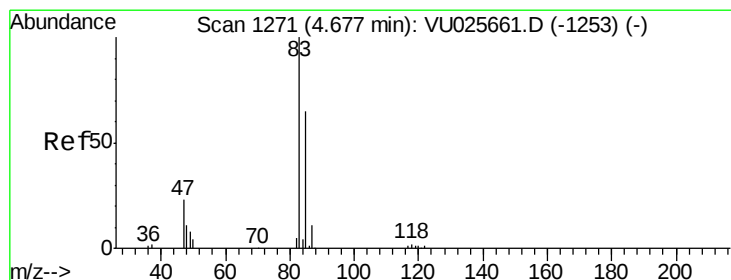
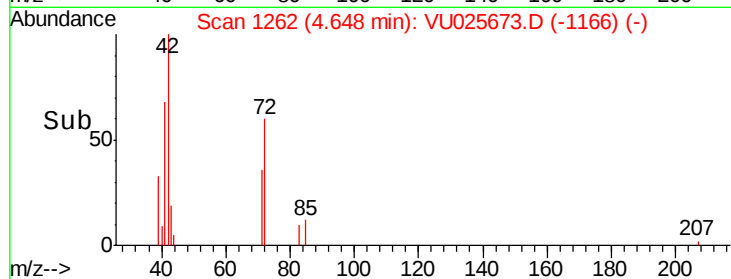
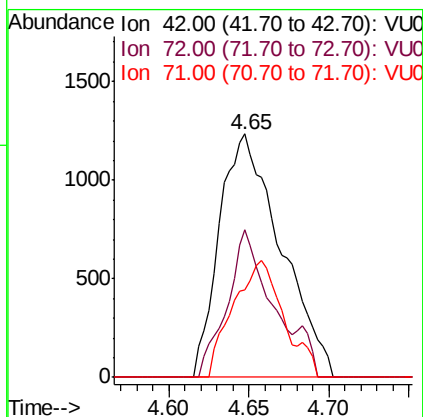
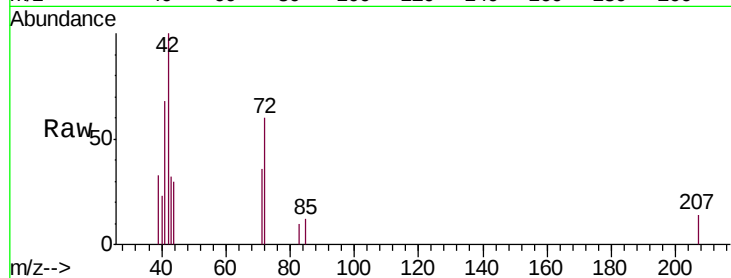




#29  
Tetrahydrofuran  
Concen: 3.08 ug/l  
RT: 4.65 min Scan# 1262  
Delta R.T. 0.01 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

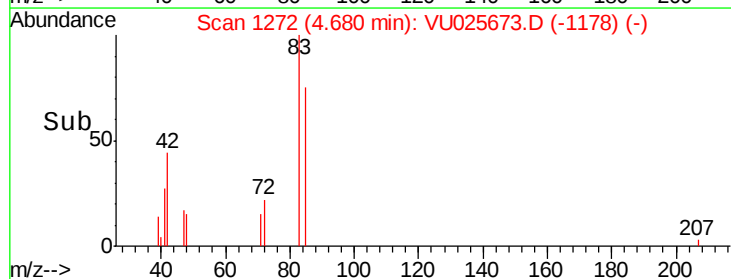
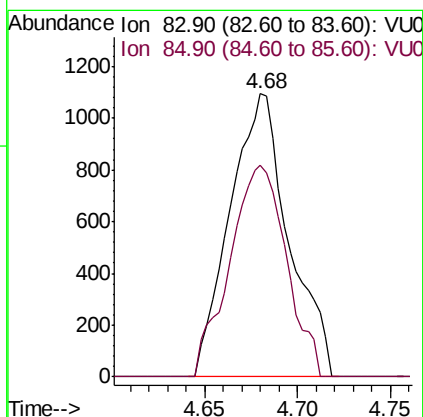
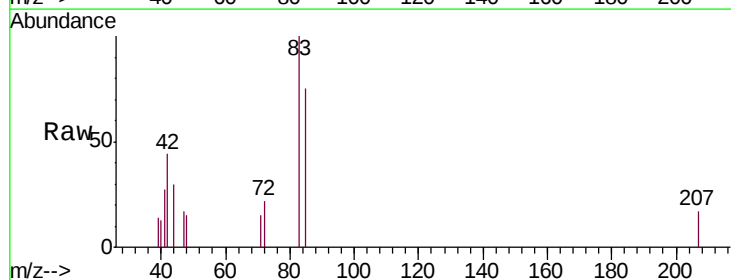
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

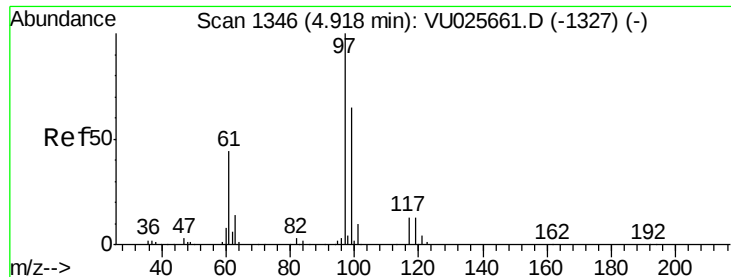
Tot Ion: 42 Resp: 3260  
Ion Ratio Lower Upper  
42 100  
72 41.0 36.7 55.1  
71 39.3 33.9 50.9



#30  
Chloroform  
Concen: 0.59 ug/l  
RT: 4.68 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

Tgt Ion: 83 Resp: 2420  
Ion Ratio Lower Upper  
83 100  
85 75.0 51.5 77.3





#32

1,1,1-Trichloroethane

Concen: 0.59 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

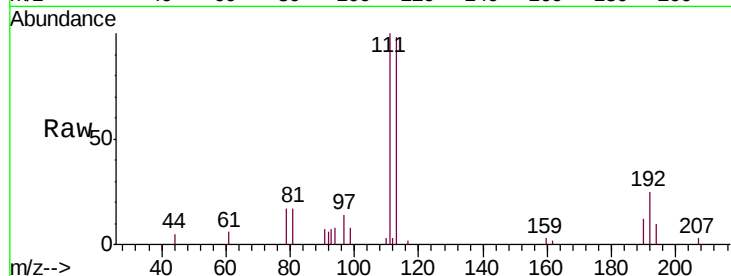
Tot Ion: 97 Resp: 2201

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

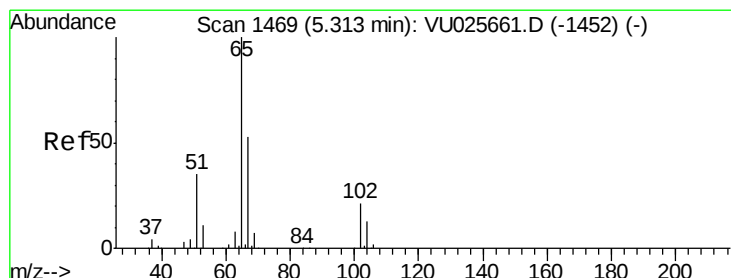
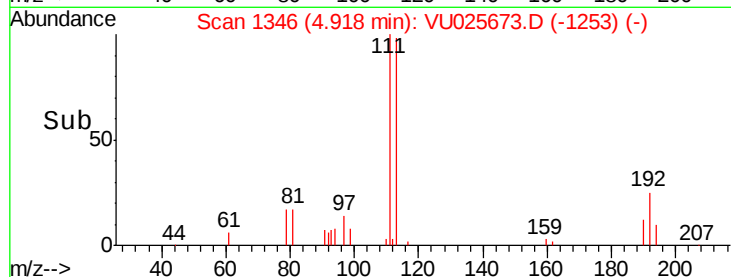
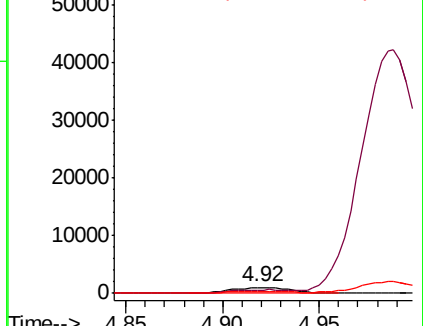
61 35.9 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 52.06 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025673.D

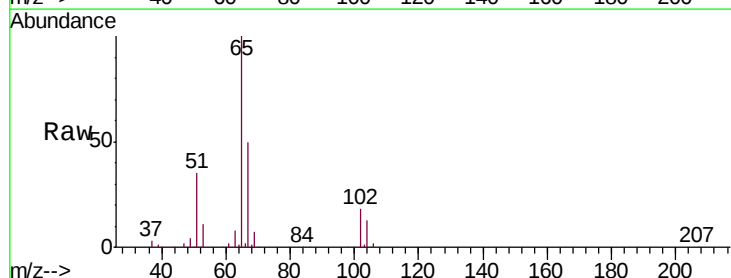
Acq: 27 Jul 2018 16:51

Tgt Ion: 65 Resp: 138658

Ion Ratio Lower Upper

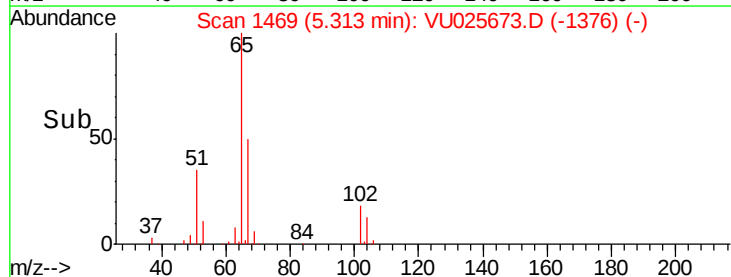
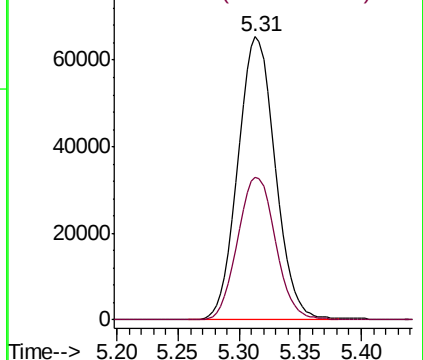
65 100

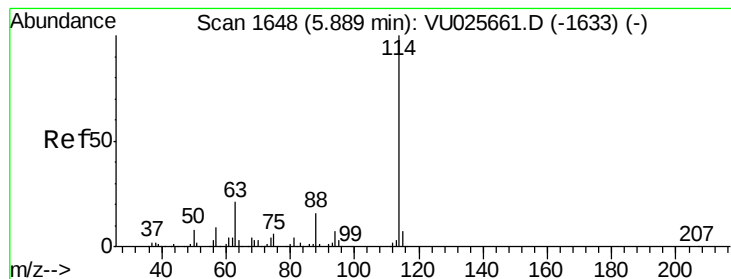
67 51.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

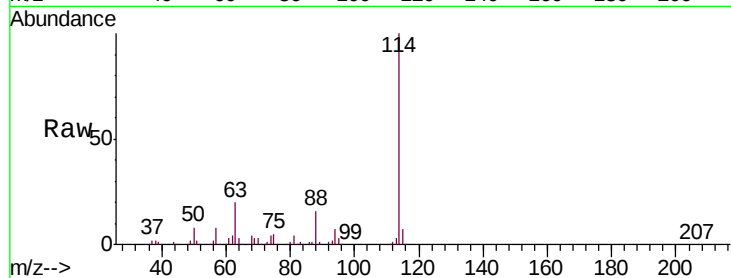
Tot Ion:114 Resp: 267220

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

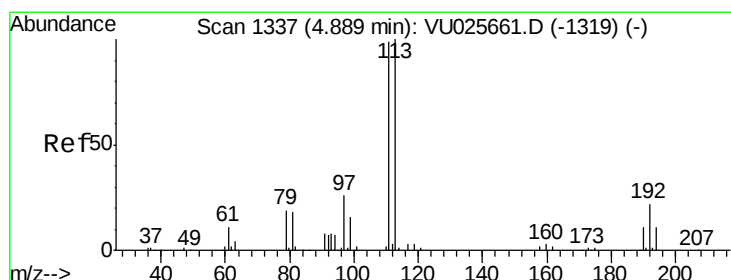
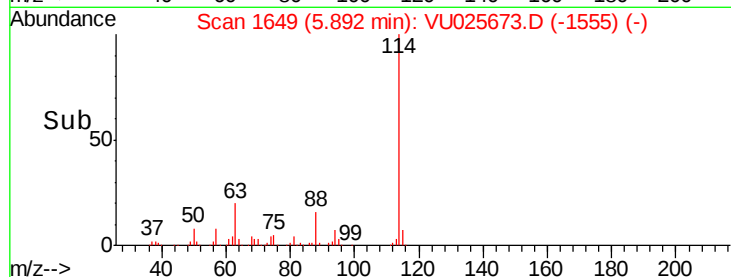
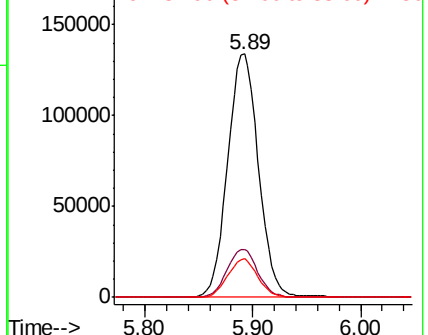
88 15.7 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.65 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

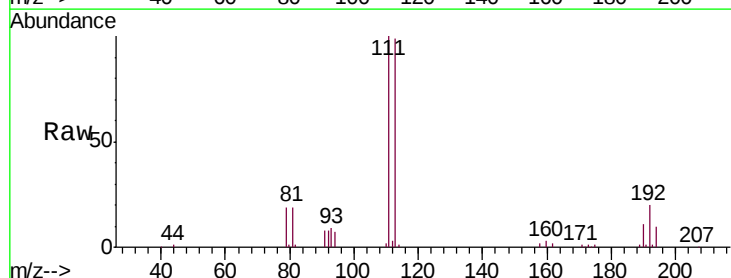
Tgt Ion:113 Resp: 110740

Ion Ratio Lower Upper

113 100

111 101.8 81.7 122.5

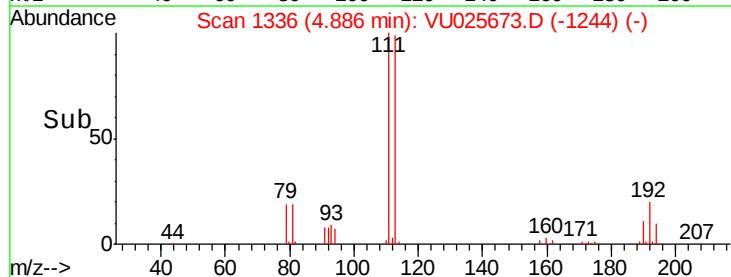
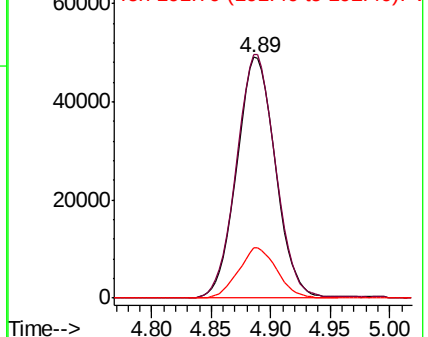
192 20.7 17.1 25.7

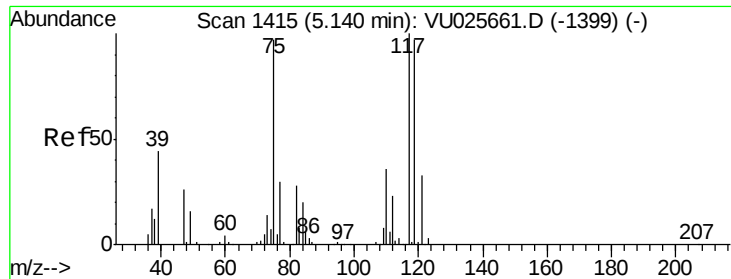


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

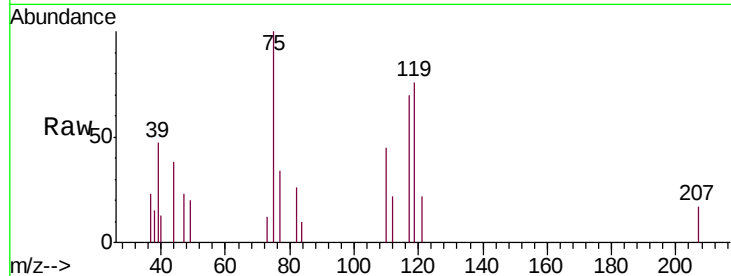




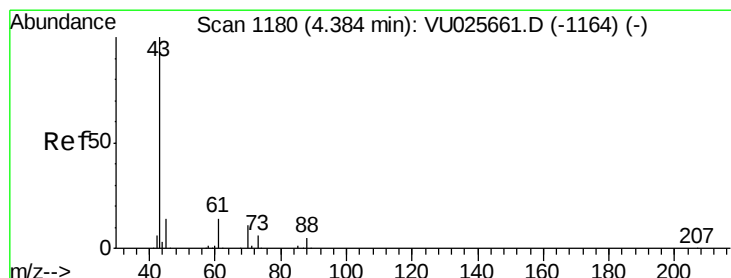
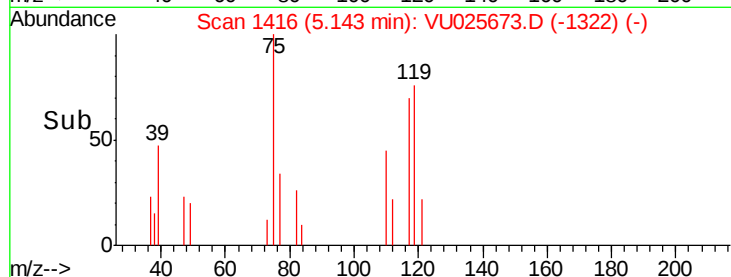
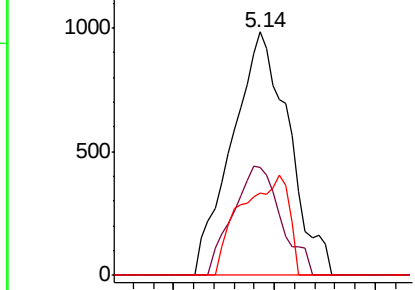
#36  
 1,1-Dichloropropene  
 Concen: 0.62 ug/l  
 RT: 5.14 min Scan# 1416  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 38.0  | 17.6  | 52.9  |
| 77      | 34.6  | 24.4  | 36.6  |

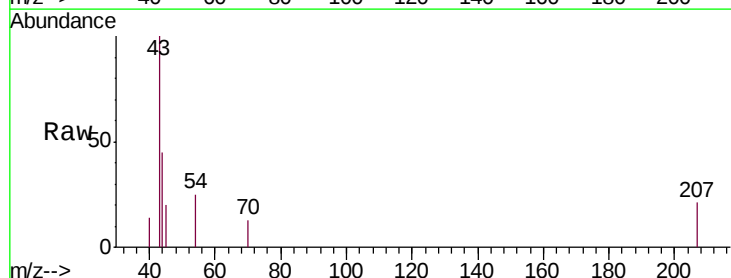


Abundance Ion 74.90 (74.60 to 75.60): VU0  
 Ion 109.90 (109.60 to 110.60): VU0  
 Ion 76.90 (76.60 to 77.60): VU0

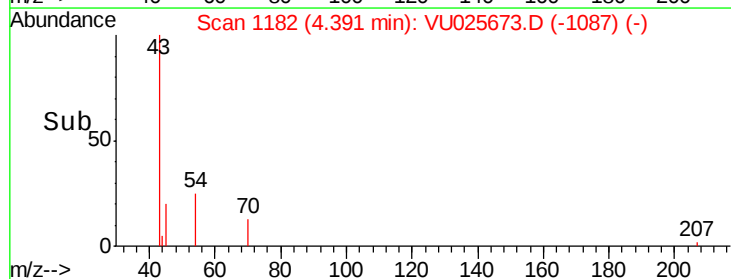
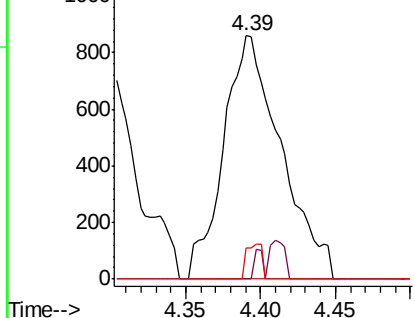


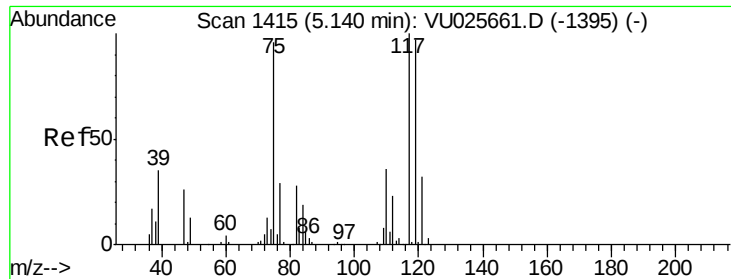
#37  
 Ethyl Acetate  
 Concen: 0.71 ug/l  
 RT: 4.39 min Scan# 1182  
 Delta R.T. 0.01 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 4.2   | 10.7  | 16.1# |
| 70      | 3.9   | 8.4   | 12.6# |



Abundance Ion 43.00 (42.70 to 43.70): VU0  
 Ion 60.90 (60.60 to 61.60): VU0  
 Ion 70.00 (69.70 to 70.70): VU0

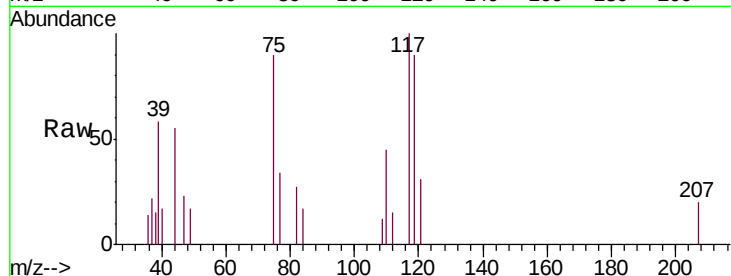




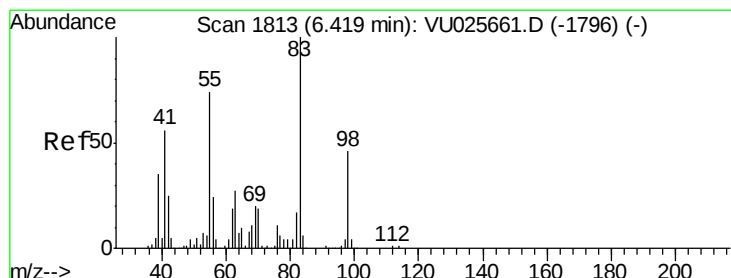
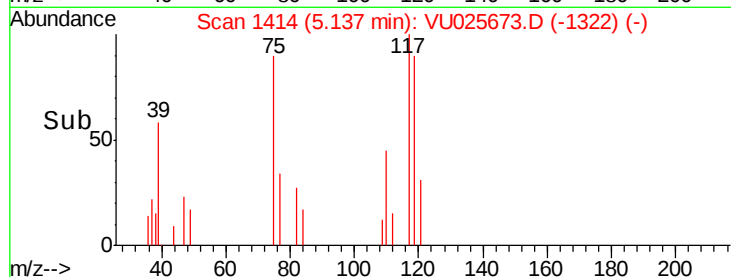
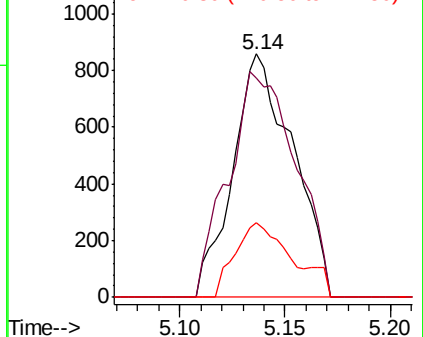
#38  
Carbon Tetrachloride  
Concen: 0.48 ug/l  
RT: 5.14 min Scan# 1414  
Delta R.T. -0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

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

Tot Ion:117 Resp: 1704  
Ion Ratio Lower Upper  
117 100  
119 90.0 75.7 113.5  
121 30.6 24.6 36.8

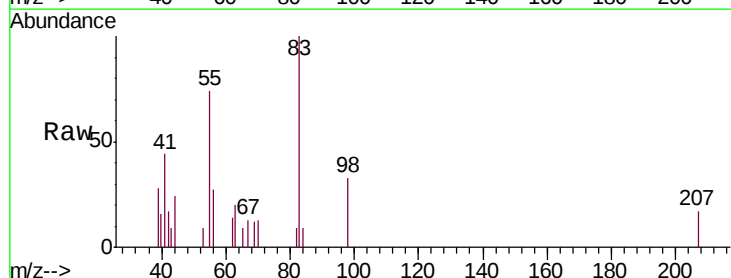


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

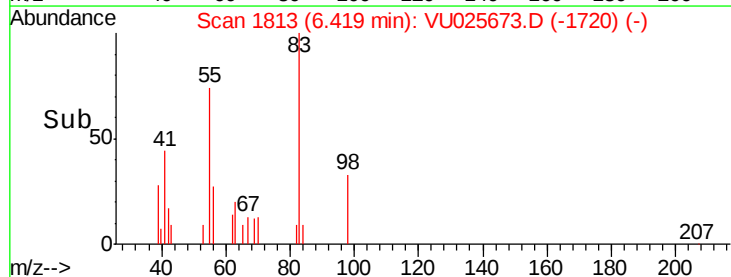
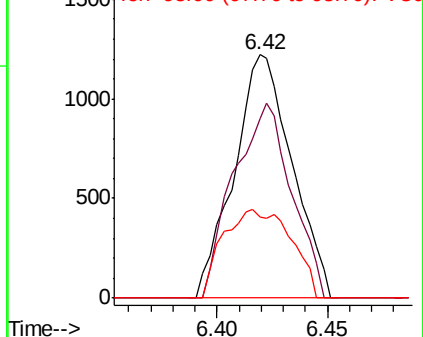


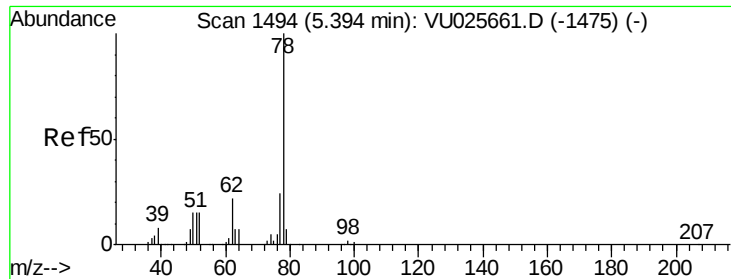
#39  
Methylcyclohexane  
Concen: 0.62 ug/l  
RT: 6.42 min Scan# 1813  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

Tgt Ion: 83 Resp: 2220  
Ion Ratio Lower Upper  
83 100  
55 73.6 60.0 90.0  
98 33.1 36.1 54.1#



Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.54 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

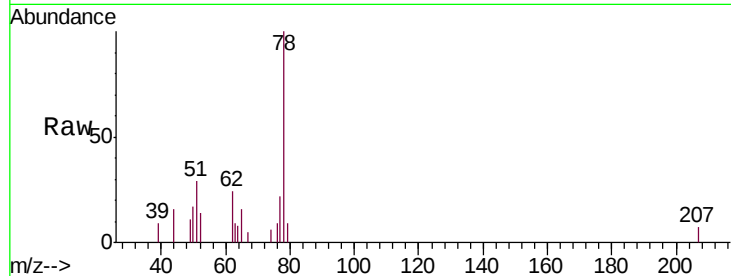
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 78 Resp: 4953

Ion Ratio Lower Upper

78 100

77 22.0 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU025661.D (-1475) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-1475) (-)

5.40

2500

2000

1500

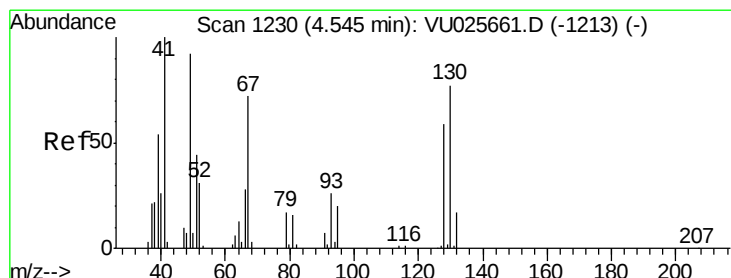
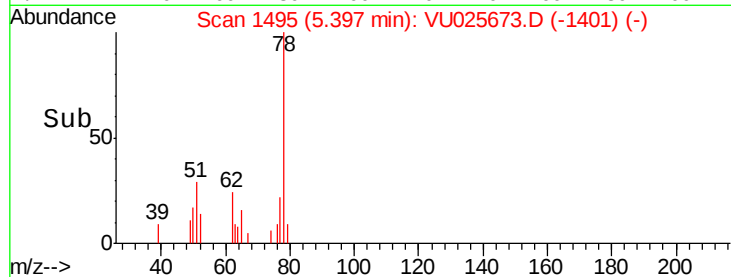
1000

500

0

Time-->

5.35 5.40 5.45



#41

Methacrylonitrile

Concen: 0.49 ug/l

RT: 4.56 min Scan# 1235

Delta R.T. 0.02 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Tgt Ion: 41 Resp: 876

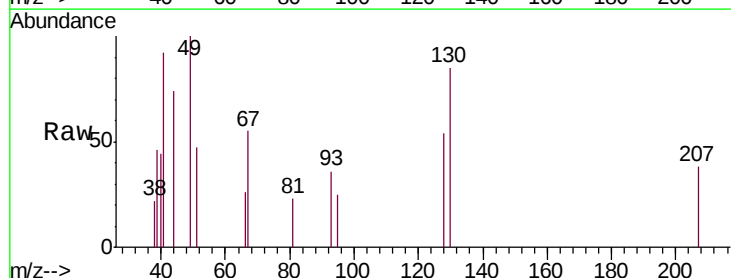
Ion Ratio Lower Upper

41 100

39 43.4 44.4 66.6#

67 42.6 56.0 84.0#

52 11.0 24.6 36.8#



Abundance Ion 41.00 (40.70 to 41.70): VU025661.D (-1213) (-)

Ion 39.00 (38.70 to 39.70): VU025661.D (-1213) (-)

Ion 67.00 (66.70 to 67.70): VU025661.D (-1213) (-)

Ion 52.00 (51.70 to 52.70): VU025661.D (-1213) (-)

4.56

600

500

400

300

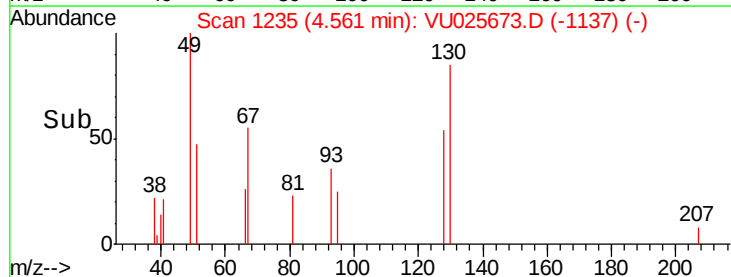
200

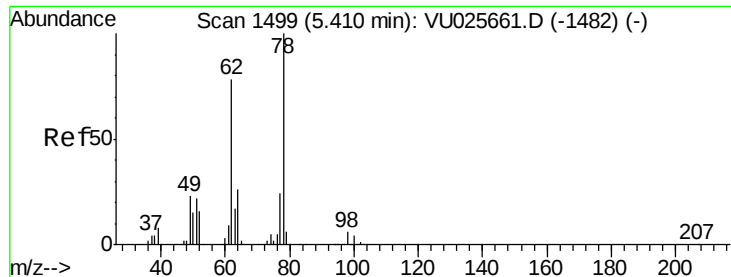
100

0

Time-->

4.50 4.55 4.60





#42

1,2-Dichloroethane

Concen: 0.55 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

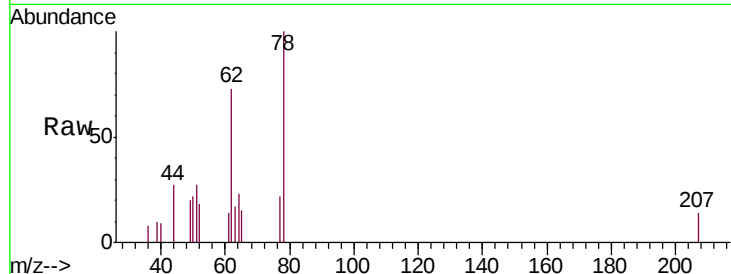
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 62 Resp: 1933

Ion Ratio Lower Upper

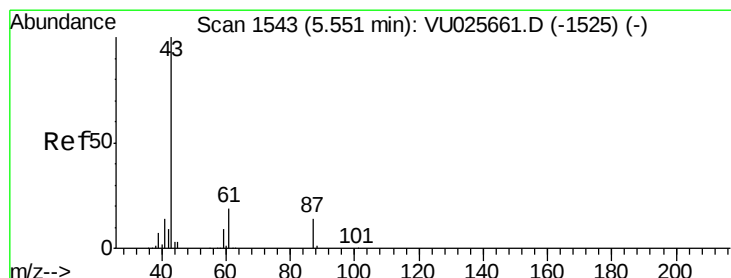
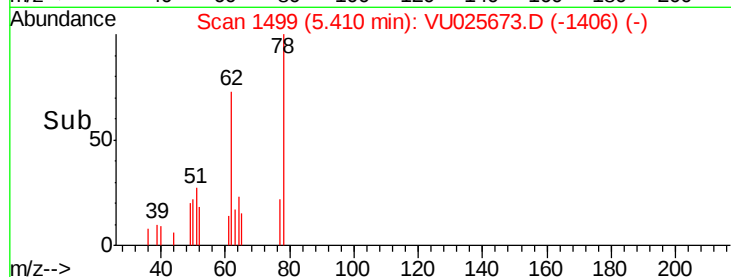
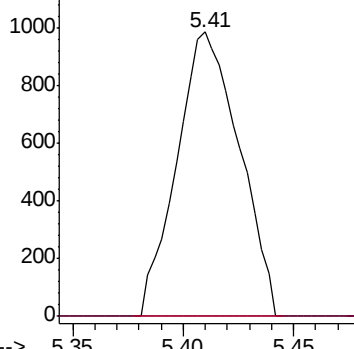
62 100

98 0.0 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#43

Isopropyl Acetate

Concen: 0.54 ug/l

RT: 5.56 min Scan# 1545

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

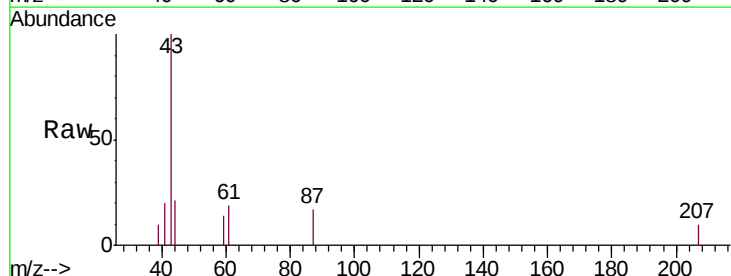
Tgt Ion: 43 Resp: 2880

Ion Ratio Lower Upper

43 100

61 12.2 15.5 23.3#

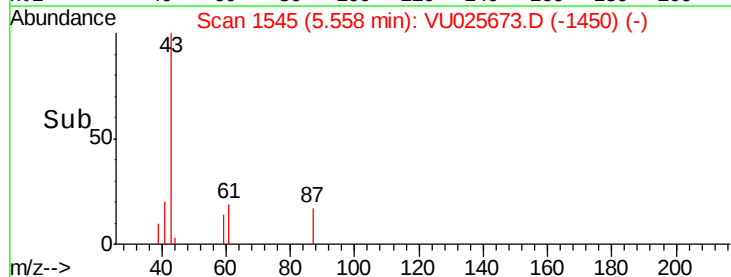
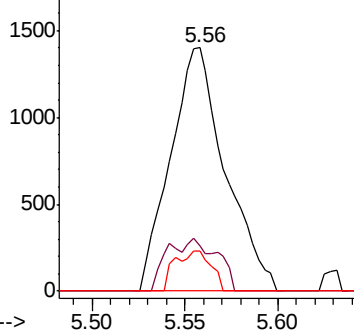
87 10.9 10.6 16.0

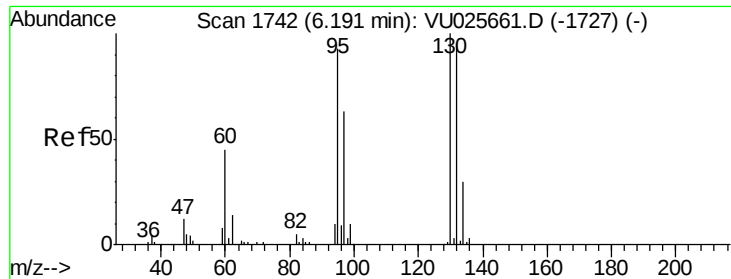


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#44

Trichloroethene

Concen: 0.68 ug/l

RT: 6.20 min Scan# 1744

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

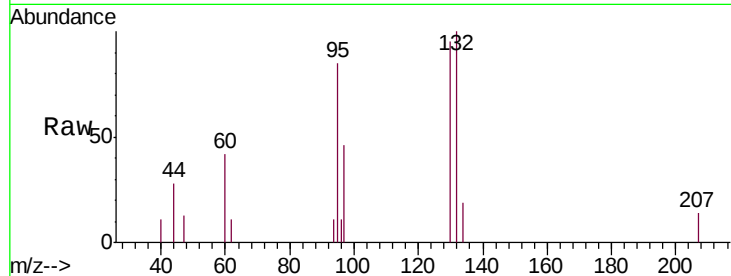
LOD-MDL-WATER-01-QT3-2018

Tot Ion:130 Resp: 1737

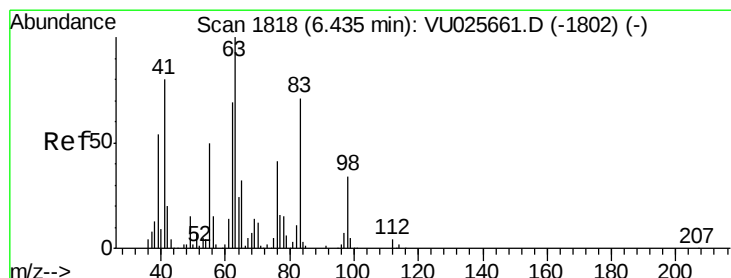
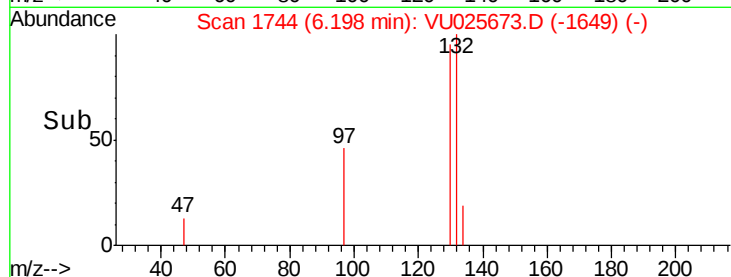
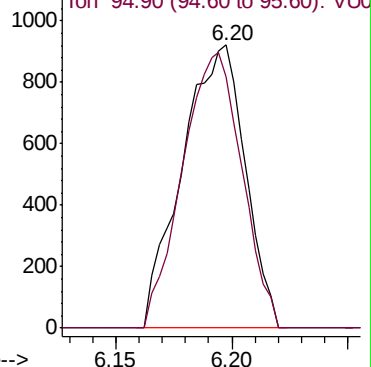
Ion Ratio Lower Upper

130 100

95 88.6 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025673.D (-1649) (-)



#45

1,2-Dichloropropane

Concen: 0.53 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025673.D

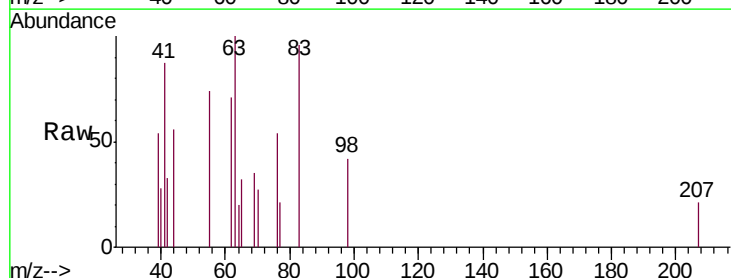
Acq: 27 Jul 2018 16:51

Tgt Ion: 63 Resp: 1273

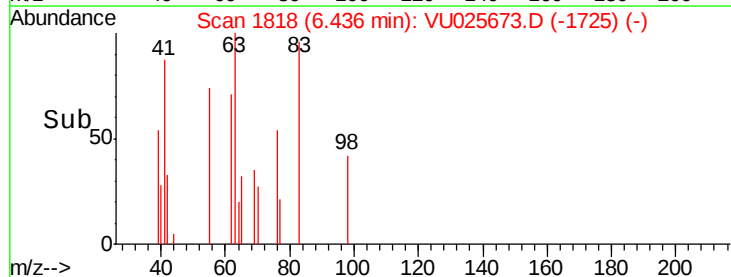
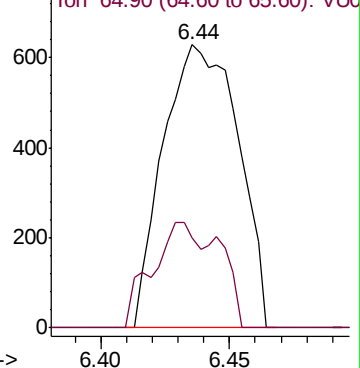
Ion Ratio Lower Upper

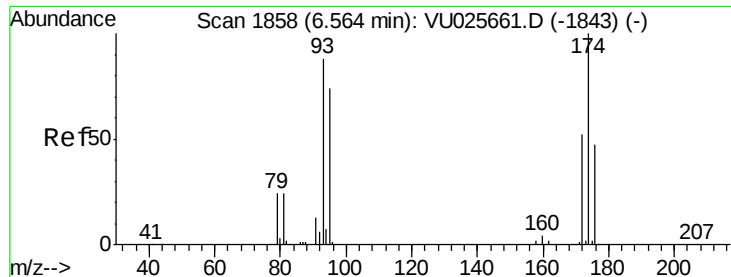
63 100

65 32.0 26.1 39.1



Abundance Ion 62.90 (62.60 to 63.60): VU025673.D (-1725) (-)





#46

Dibromomethane

Concen: 0.57 ug/l

RT: 6.57 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

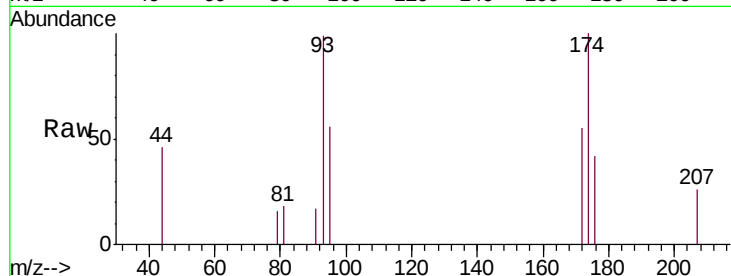
Tot Ion: 93 Resp: 983

Ion Ratio Lower Upper

93 100

95 28.2 66.6 100.0#

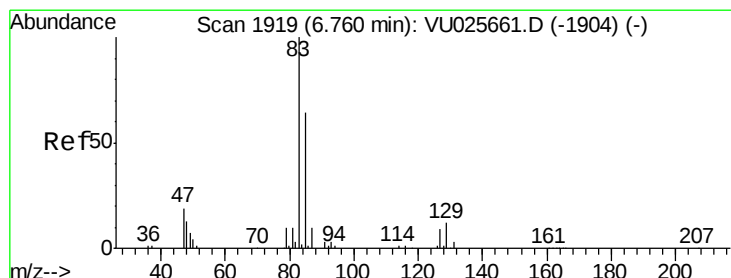
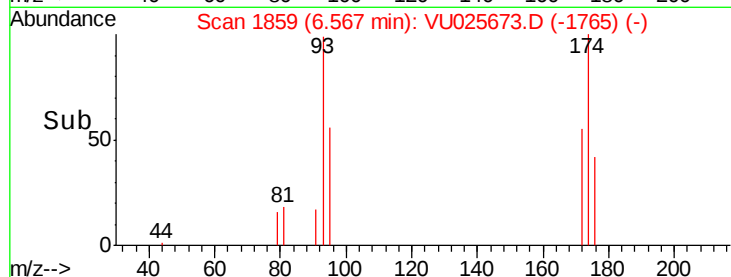
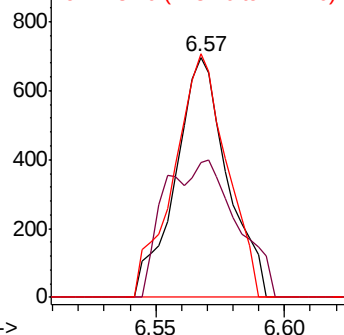
174 103.0 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VU025673.D (-1765) (-)

Ion 94.80 (94.50 to 95.50): VU025673.D (-1765) (-)

Ion 173.70 (173.40 to 174.40): VU025673.D (-1765) (-)



#47

Bromodichloromethane

Concen: 0.51 ug/l

RT: 6.77 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

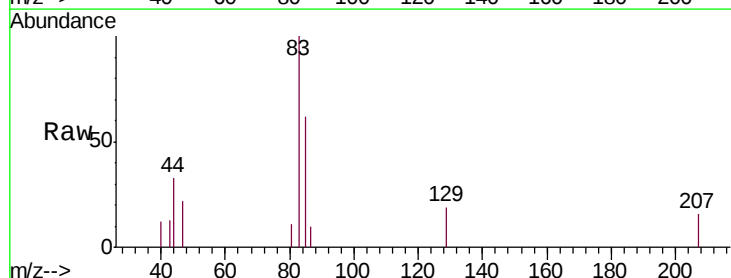
Tgt Ion: 83 Resp: 1670

Ion Ratio Lower Upper

83 100

85 62.4 50.2 75.4

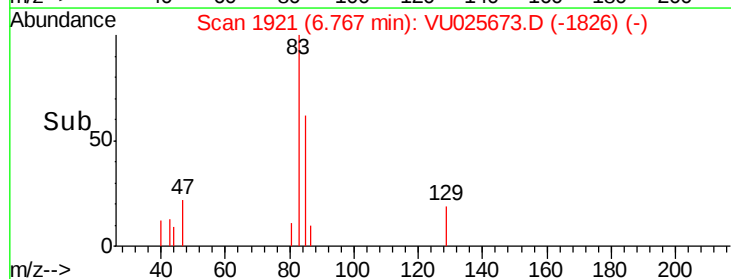
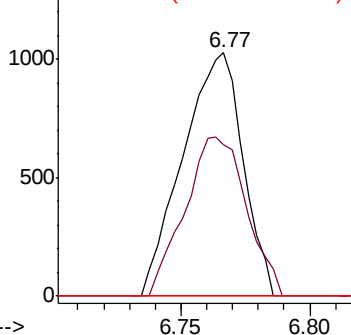
127 0.0 7.2 10.8#

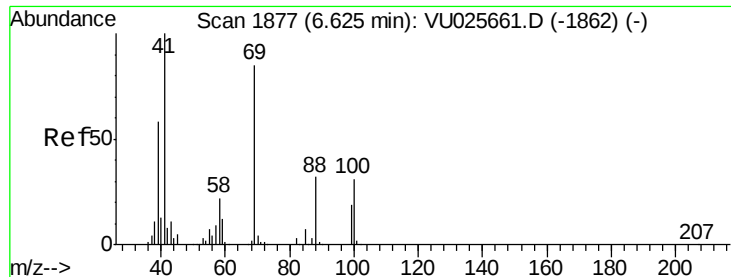


Abundance Ion 82.90 (82.60 to 83.60): VU025673.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025673.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025673.D (-1826) (-)

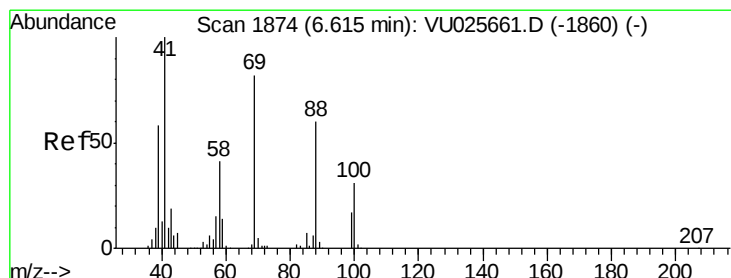
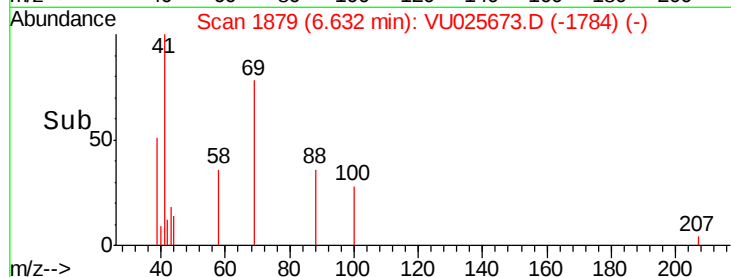
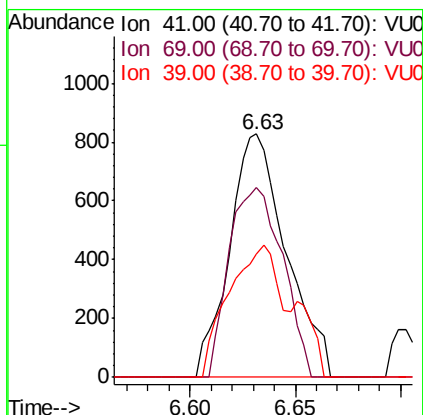
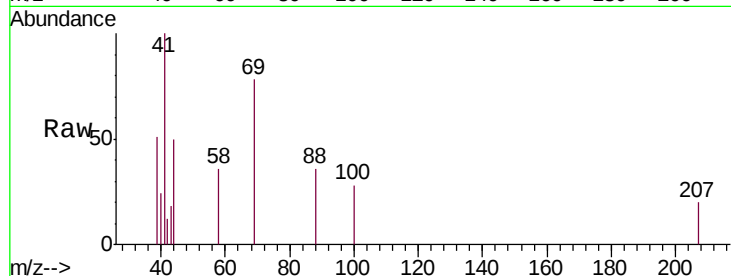




#48  
Methvl methacrylate  
Concen: 0.59 ug/l  
RT: 6.63 min Scan# 1879  
Delta R.T. 0.01 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

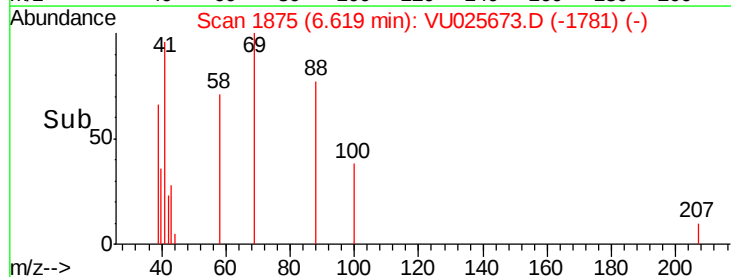
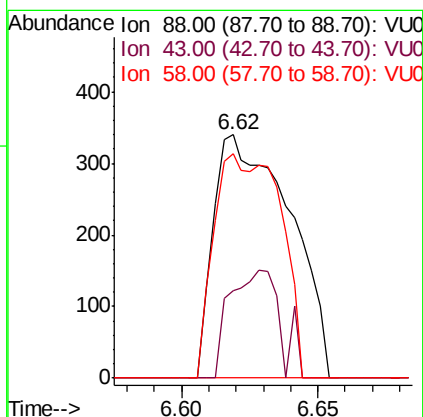
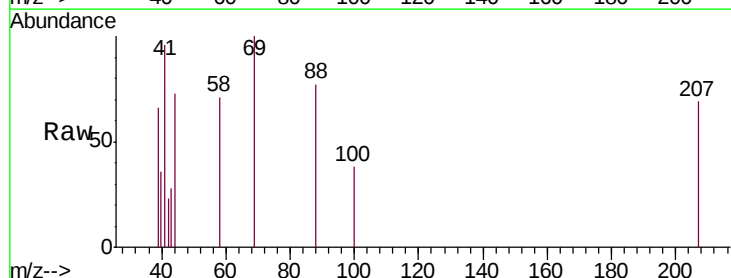
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

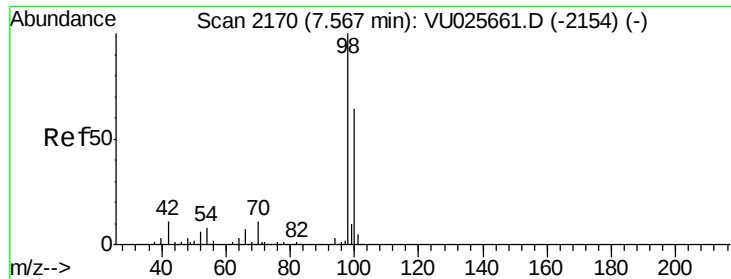
Tot Ion: 41 Resp: 1550  
Ion Ratio Lower Upper  
41 100  
69 73.3 65.0 97.4  
39 49.9 46.4 69.6



#49  
1,4-Dioxane  
Concen: 10.34 ug/l  
RT: 6.62 min Scan# 1875  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

Tgt Ion: 88 Resp: 660  
Ion Ratio Lower Upper  
88 100  
43 29.5 27.3 40.9  
58 80.0 57.6 86.4





#50

Toluene-d8

Concen: 47.80 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

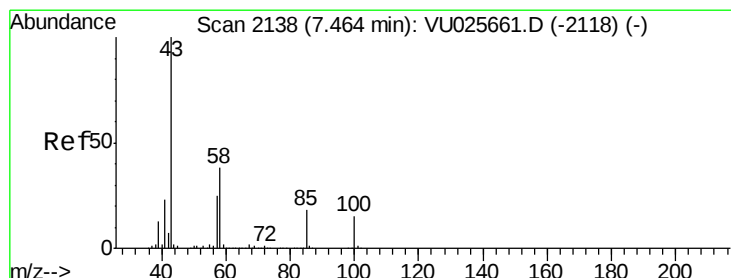
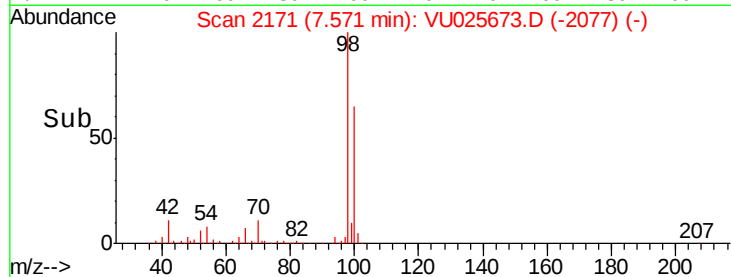
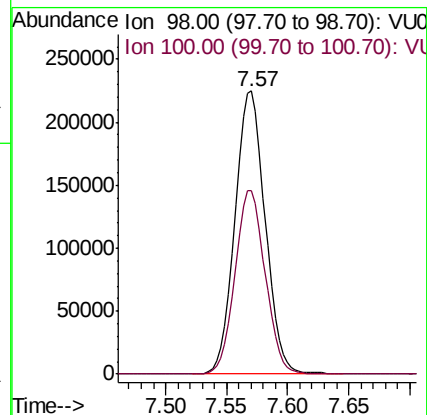
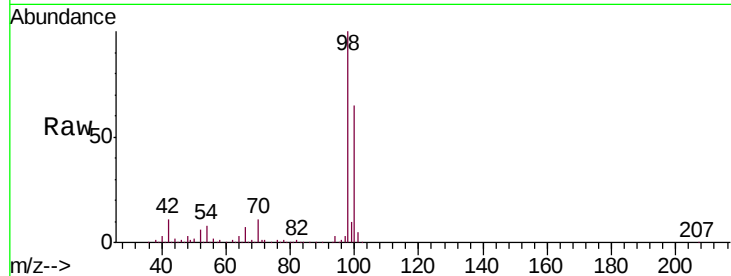
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 98 Resp: 388730

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 2.91 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU025673.D

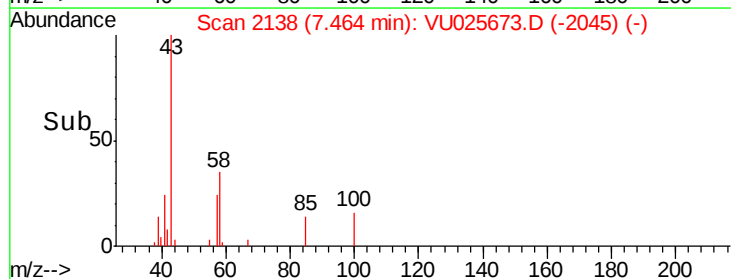
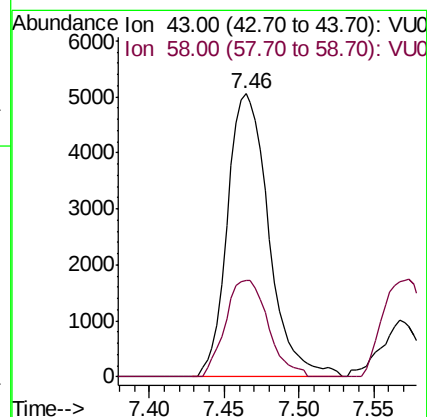
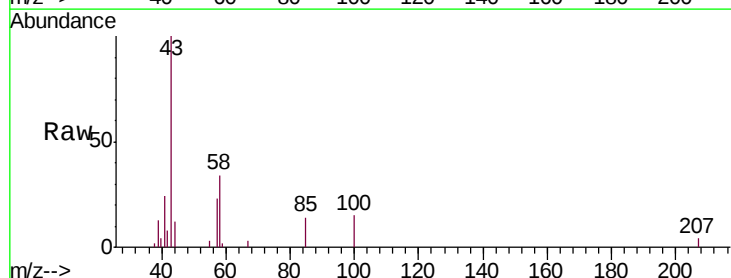
Acq: 27 Jul 2018 16:51

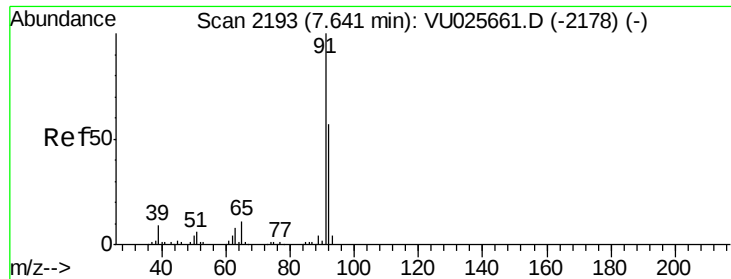
Tgt Ion: 43 Resp: 9759

Ion Ratio Lower Upper

43 100

58 35.2 31.0 46.4





#52

Toluene

Concen: 0.56 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

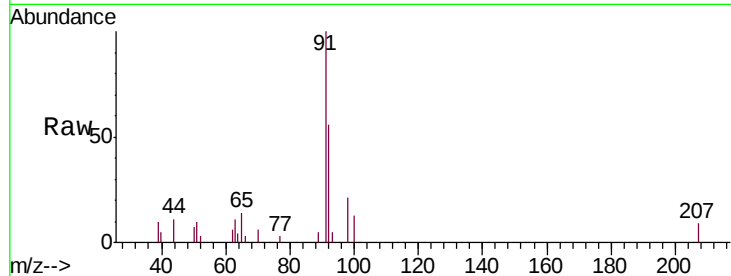
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 92 Resp: 3190

Ion Ratio Lower Upper

92 100

91 172.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

3000

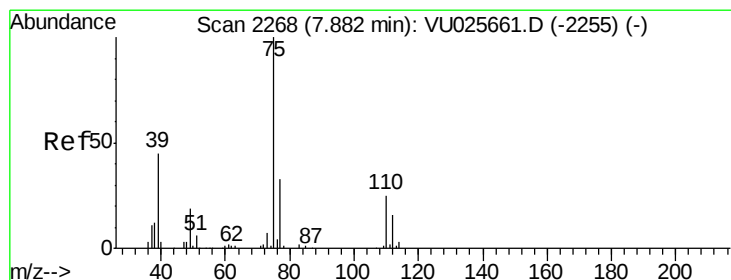
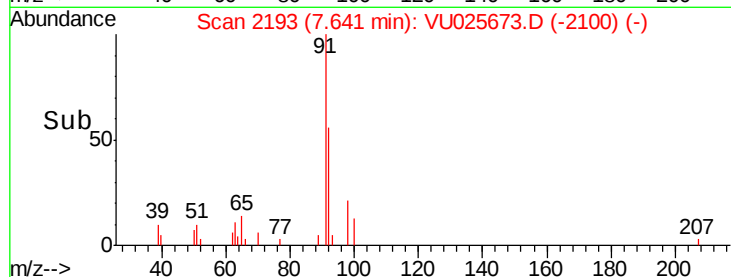
2000

1000

0

7.64

Time-->



#53

t-1,3-Dichloropropene

Concen: 0.54 ug/l

RT: 7.89 min Scan# 2270

Delta R.T. 0.01 min

Lab File: VU025673.D

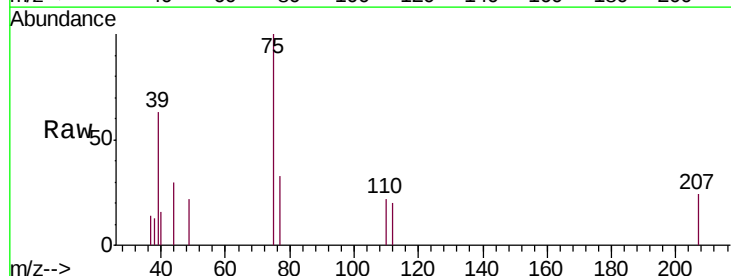
Acq: 27 Jul 2018 16:51

Tgt Ion: 75 Resp: 1977

Ion Ratio Lower Upper

75 100

77 33.0 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

1200

1000

800

600

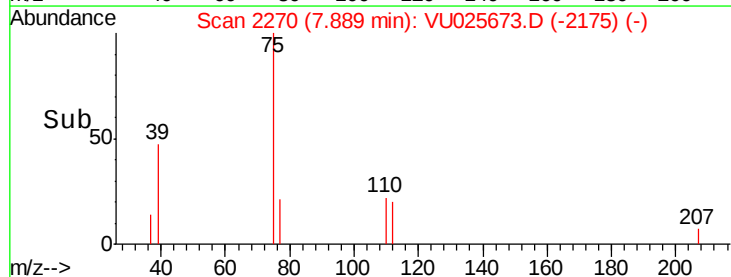
400

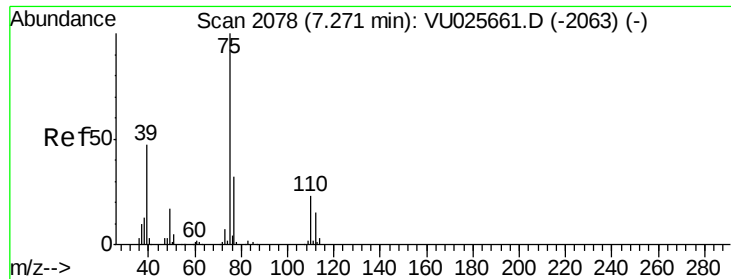
200

0

7.89

Time-->





#54

cis-1,3-Dichloropropene

Concen: 0.60 ug/l

RT: 7.28 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

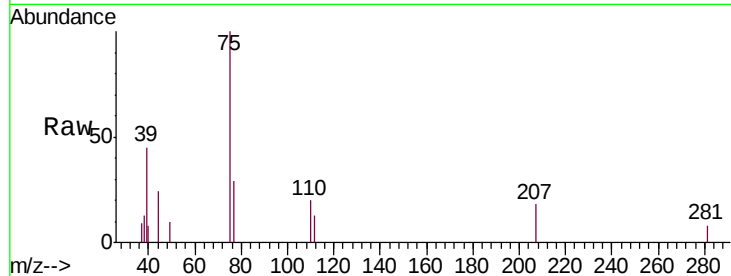
Tot Ion: 75 Resp: 2270

Ion Ratio Lower Upper

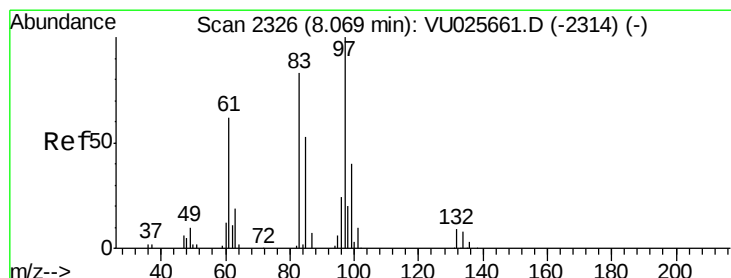
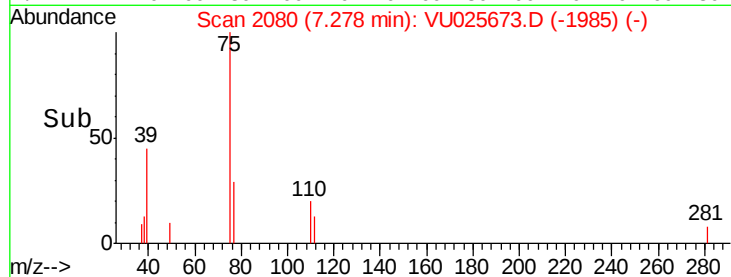
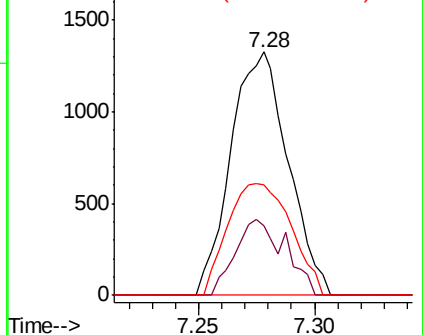
75 100

77 28.7 25.6 38.4

39 45.3 40.0 60.0



Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 76.90 (76.60 to 77.60): VU0  
Ion 39.00 (38.70 to 39.70): VU0



#55

1,1,2-Trichloroethane

Concen: 0.58 ug/l

RT: 8.08 min Scan# 2329

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Tgt Ion: 97 Resp: 1376

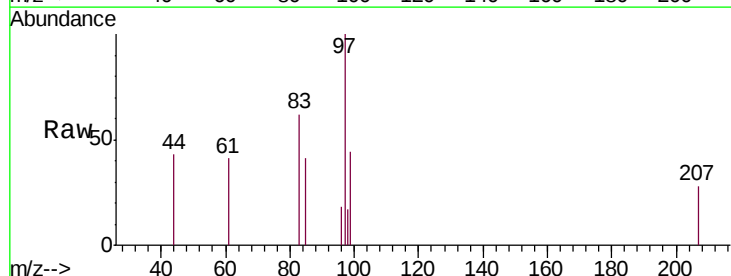
Ion Ratio Lower Upper

97 100

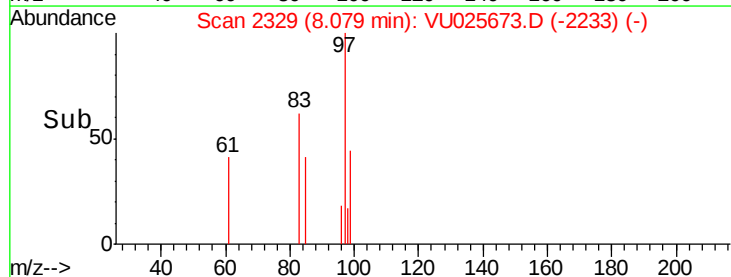
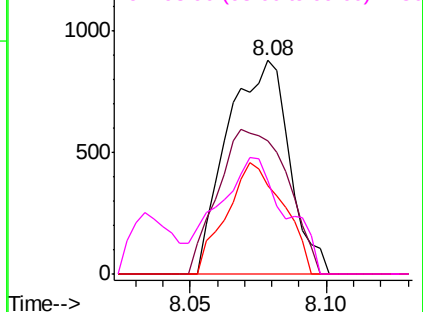
83 62.3 68.9 103.3#

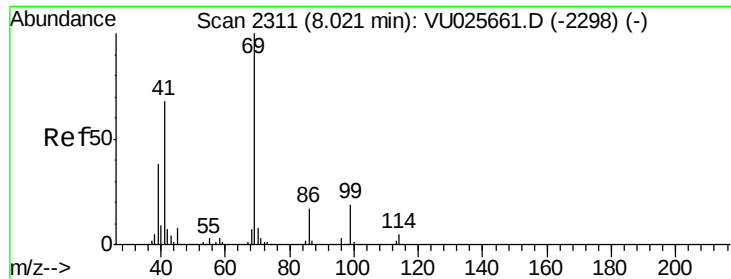
85 41.4 44.4 66.6#

99 43.8 51.0 76.4#



Abundance Ion 96.90 (96.60 to 97.60): VU0  
Ion 82.90 (82.60 to 83.60): VU0  
Ion 84.90 (84.60 to 85.60): VU0  
Ion 98.90 (98.60 to 99.60): VU0





#56

Ethyl methacrylate

Concen: 0.48 ug/l

RT: 8.03 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

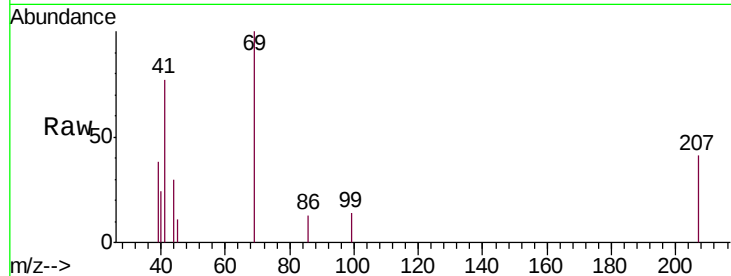
Tot Ion: 69 Resp: 1610

Ion Ratio Lower Upper

69 100

41 79.1 54.8 82.2

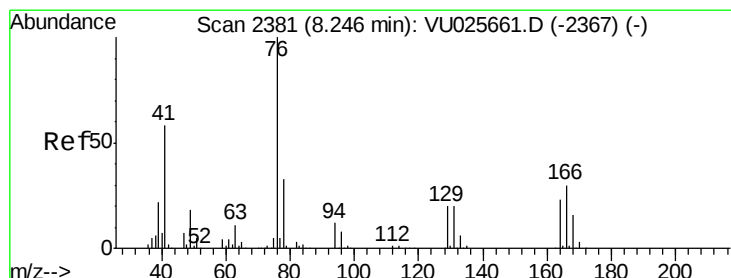
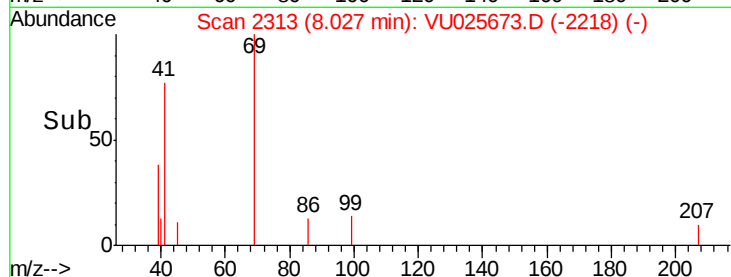
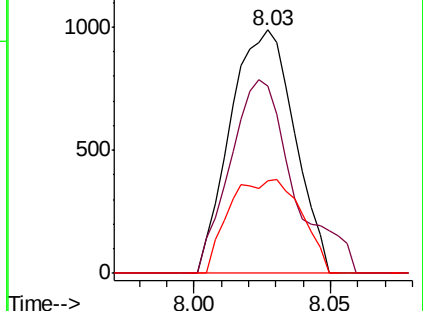
39 43.4 31.1 46.7



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#57

1,3-Dichloropropane

Concen: 0.51 ug/l

RT: 8.25 min Scan# 2382

Delta R.T. 0.00 min

Lab File: VU025673.D

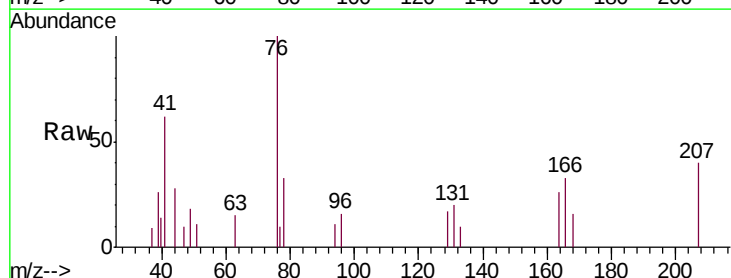
Acq: 27 Jul 2018 16:51

Tgt Ion: 76 Resp: 2039

Ion Ratio Lower Upper

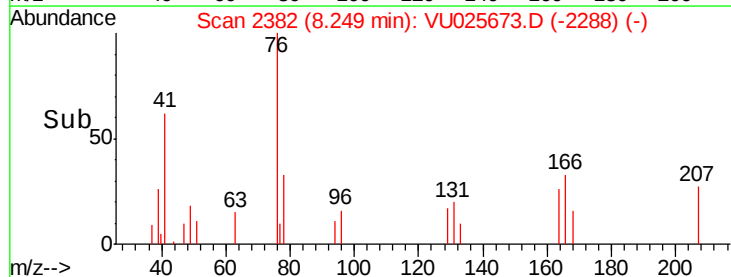
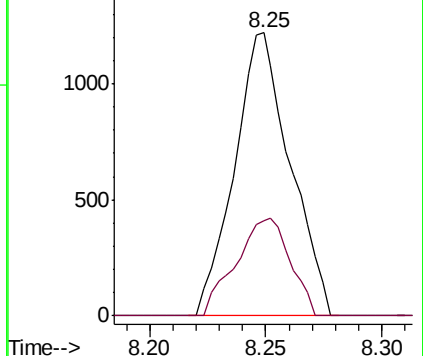
76 100

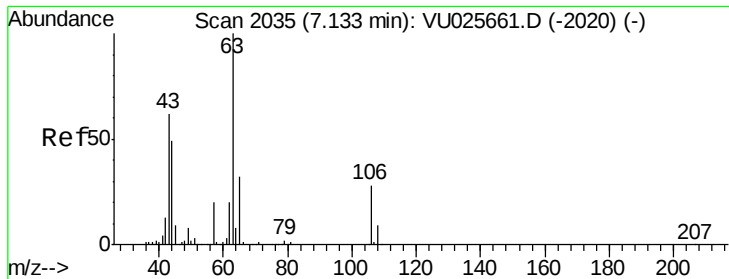
78 33.5 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





#58

2-Chloroethyl Vinyl ether

Concen: 9.07 ug/l

RT: 7.14 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

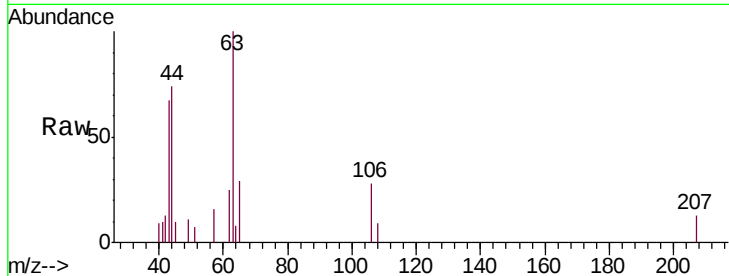
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 63 Resp: 3124

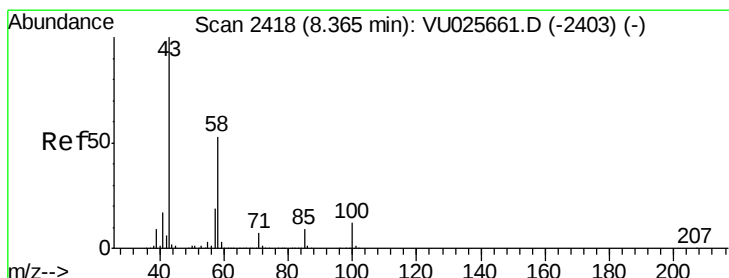
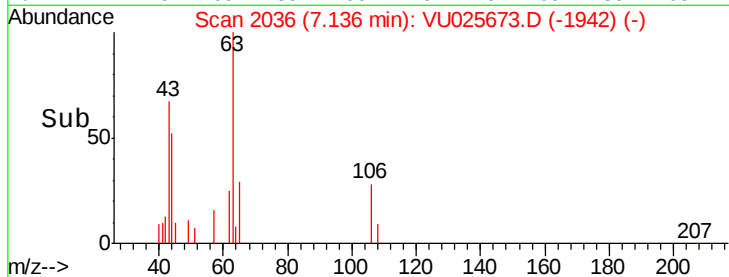
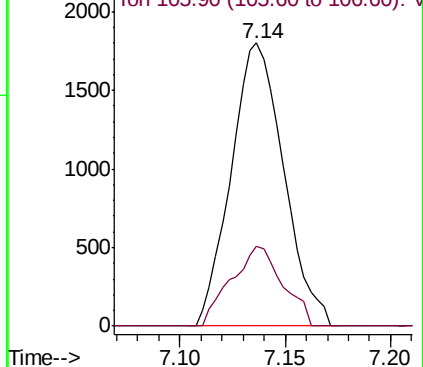
Ion Ratio Lower Upper

63 100

106 27.6 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU025661.D (-2020) (-)



#59

2-Hexanone

Concen: 2.83 ug/l

RT: 8.37 min Scan# 2419

Delta R.T. 0.00 min

Lab File: VU025673.D

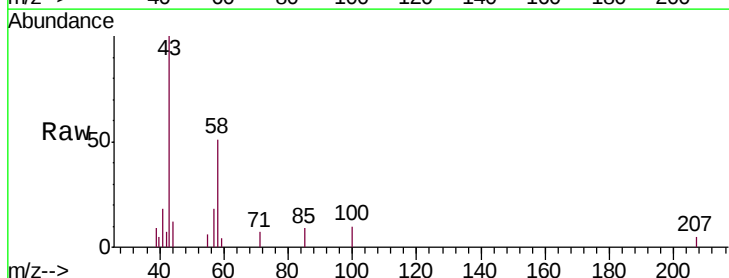
Acq: 27 Jul 2018 16:51

Tgt Ion: 43 Resp: 7432

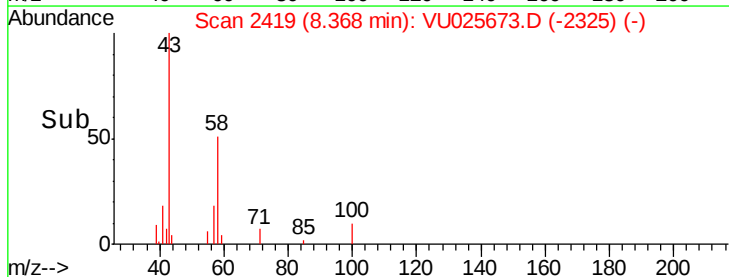
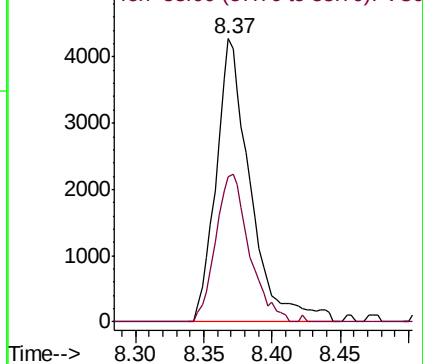
Ion Ratio Lower Upper

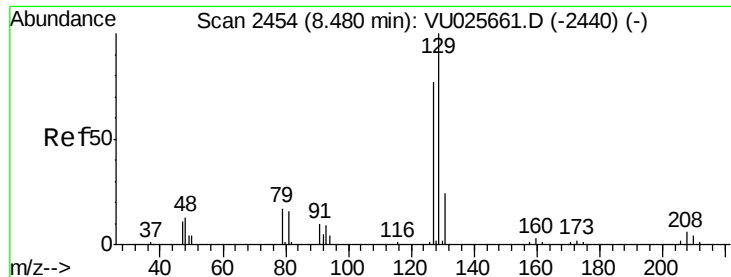
43 100

58 51.2 26.2 78.5



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-2403) (-)





#60

Dibromochloromethane

Concen: 0.50 ug/l

RT: 8.48 min Scan# 2453

Delta R.T. -0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

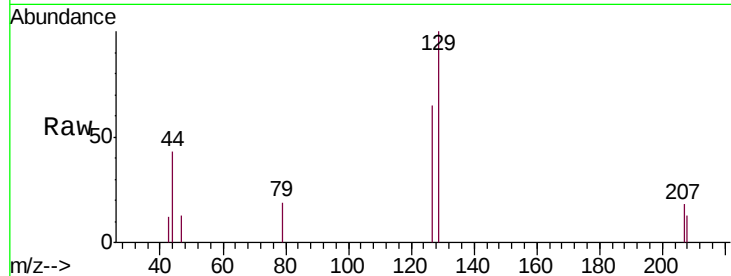
LOD-MDL-WATER-01-QT3-2018

Tot Ion:129 Resp: 1390

Ion Ratio Lower Upper

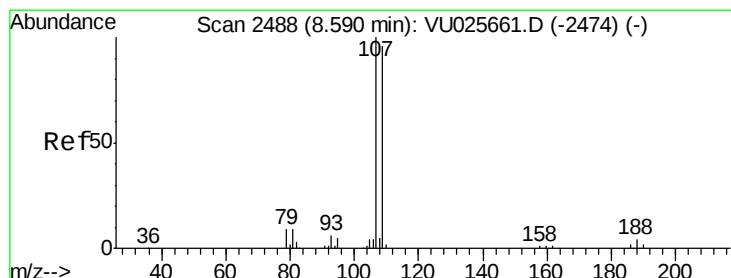
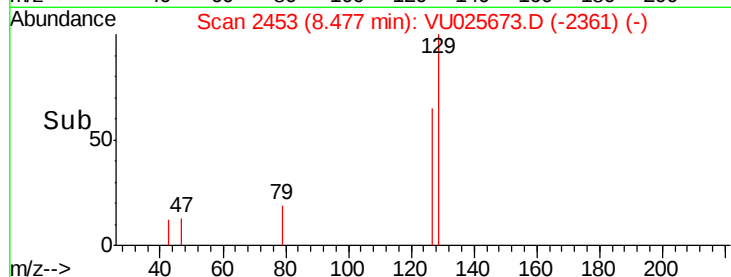
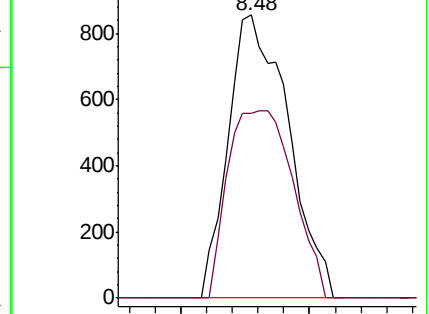
129 100

127 72.3 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.58 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU025673.D

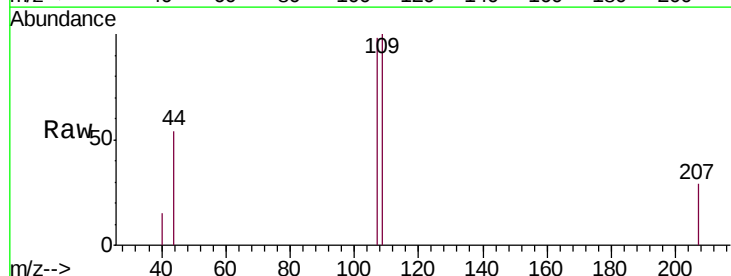
Acq: 27 Jul 2018 16:51

Tgt Ion:107 Resp: 1508

Ion Ratio Lower Upper

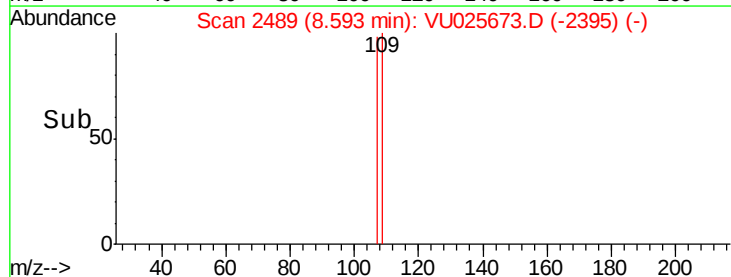
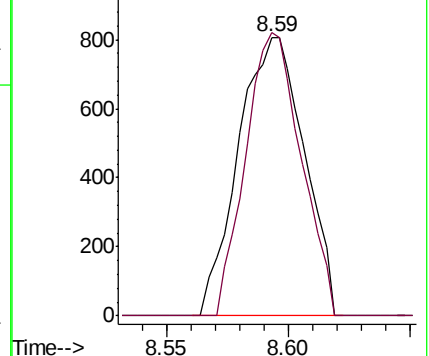
107 100

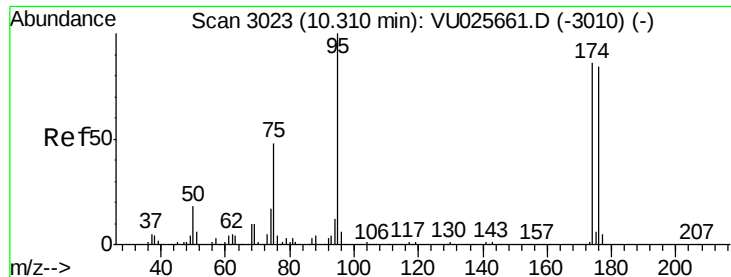
109 85.4 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 45.00 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

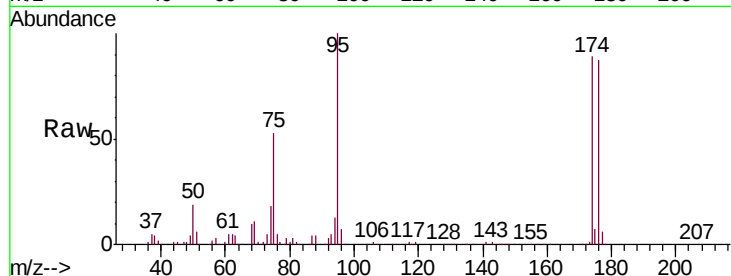
Tot Ion: 95 Resp: 142065

Ion Ratio Lower Upper

95 100

174 88.3 0.0 172.2

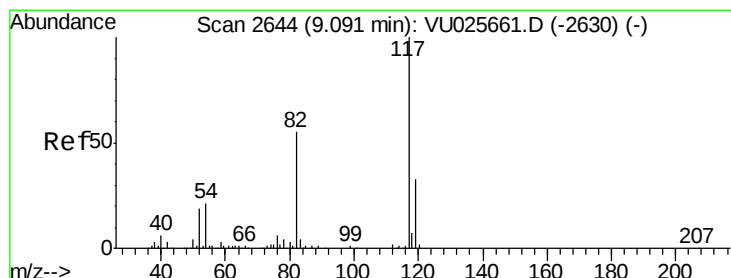
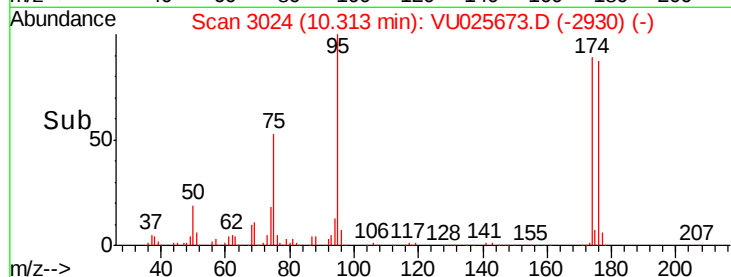
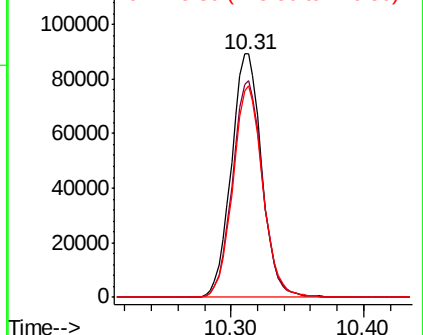
176 85.6 0.0 162.6



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: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

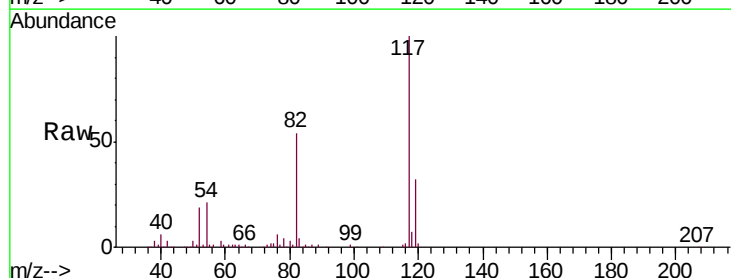
Tgt Ion: 117 Resp: 250312

Ion Ratio Lower Upper

117 100

82 53.8 46.0 69.0

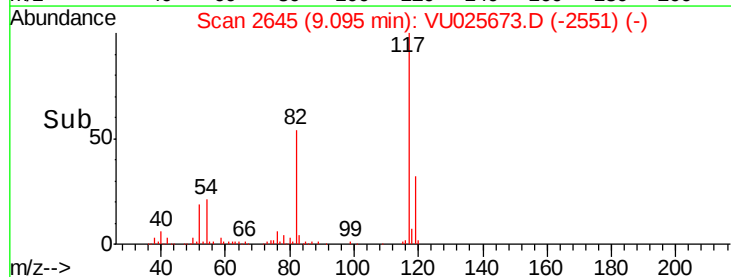
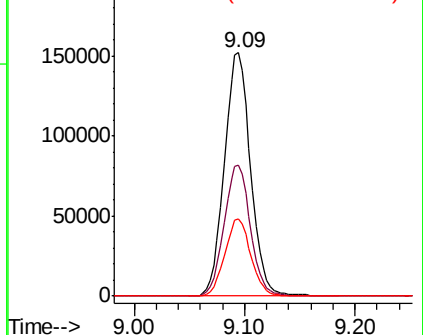
119 31.7 26.0 39.0

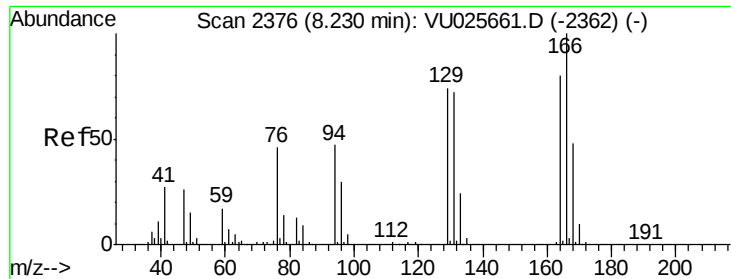


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.72 ug/l

RT: 8.24 min Scan# 2378

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:164 Resp: 1595

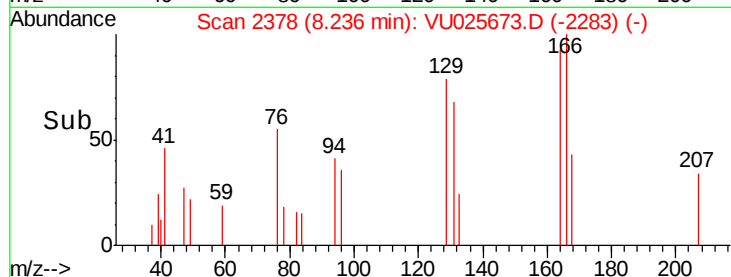
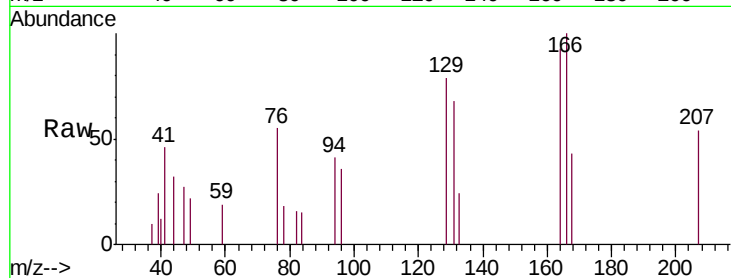
Ion Ratio Lower Upper

164 100

166 107.0 101.1 151.7

129 84.6 73.0 109.6

131 72.6 72.1 108.1

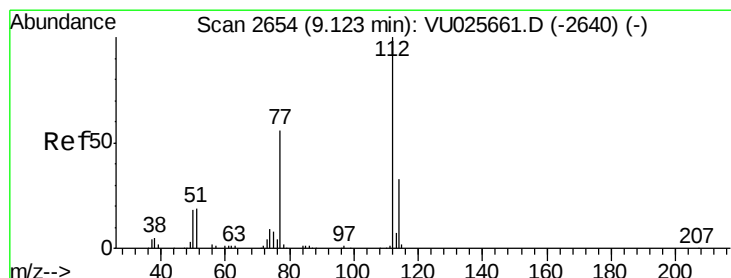
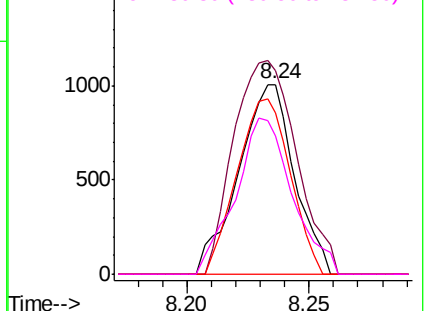


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.60 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025673.D

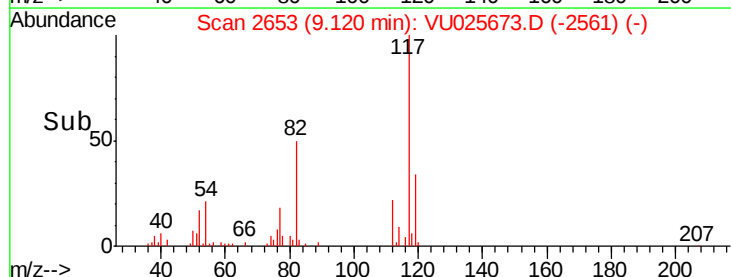
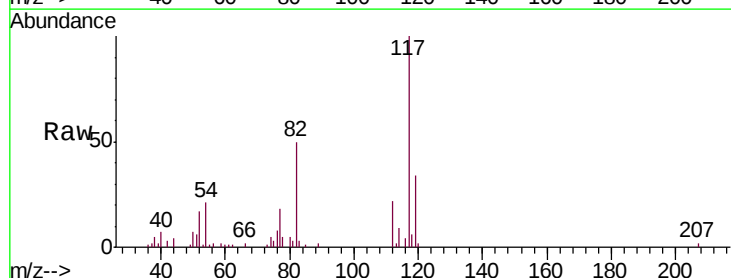
Acq: 27 Jul 2018 16:51

Tgt Ion:112 Resp: 3841

Ion Ratio Lower Upper

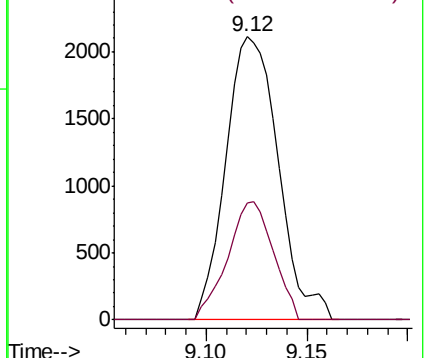
112 100

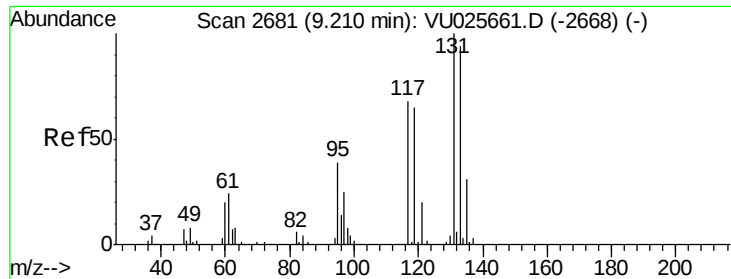
114 41.2 25.8 38.8#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.55 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

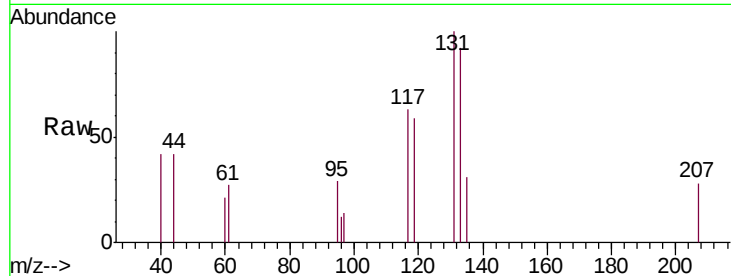
Tot Ion:131 Resp: 1293

Ion Ratio Lower Upper

131 100

133 84.5 47.8 143.3

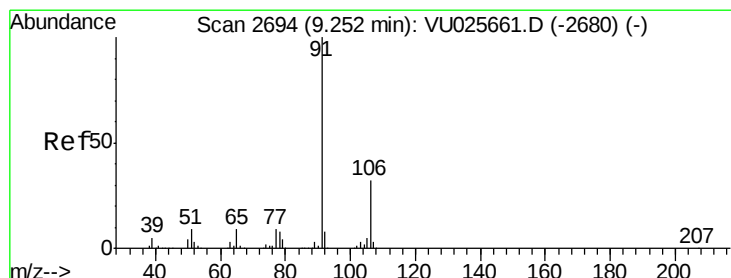
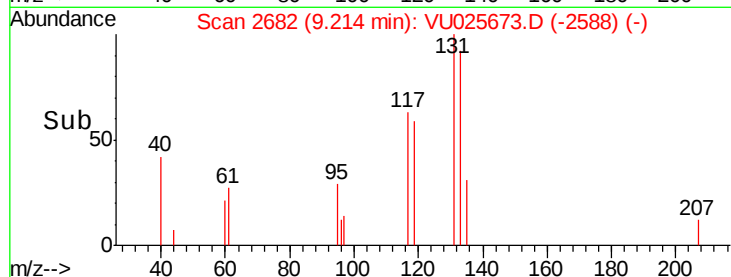
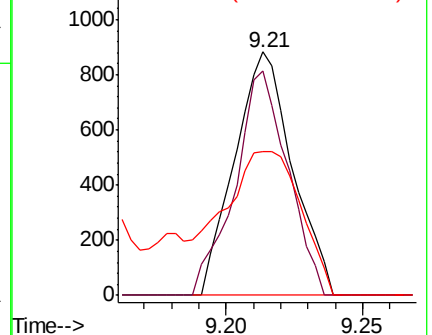
119 0.0 31.6 95.0#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.59 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025673.D

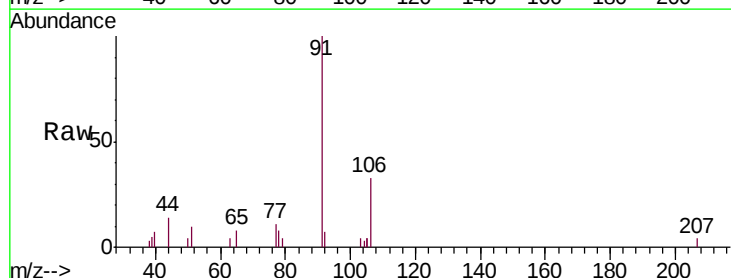
Acq: 27 Jul 2018 16:51

Tgt Ion: 91 Resp: 6260

Ion Ratio Lower Upper

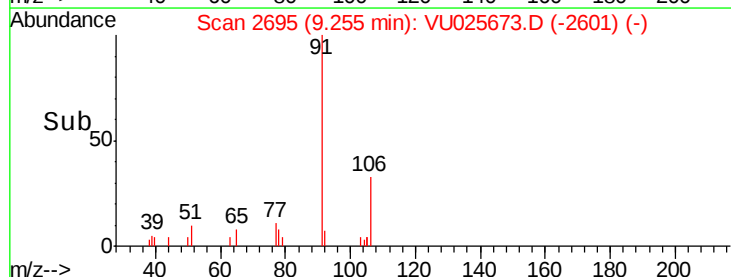
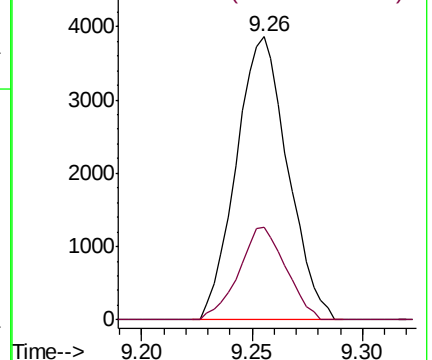
91 100

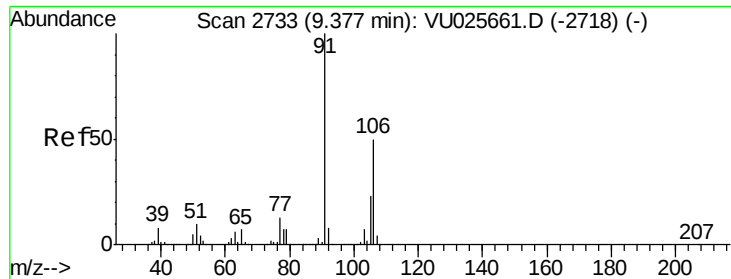
106 32.9 25.3 37.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

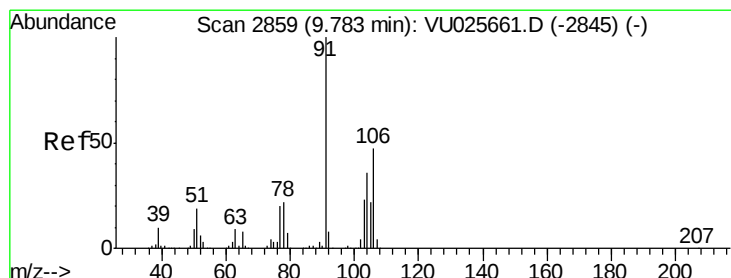
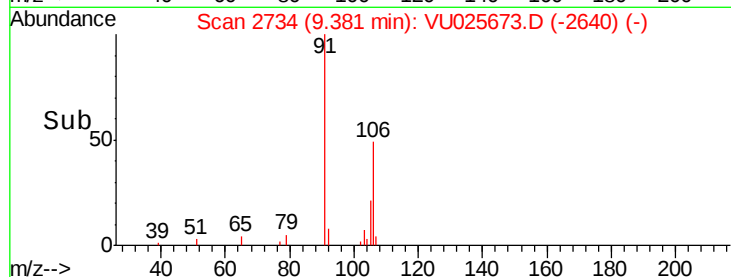
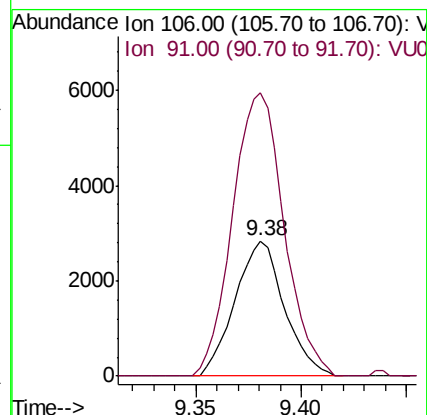
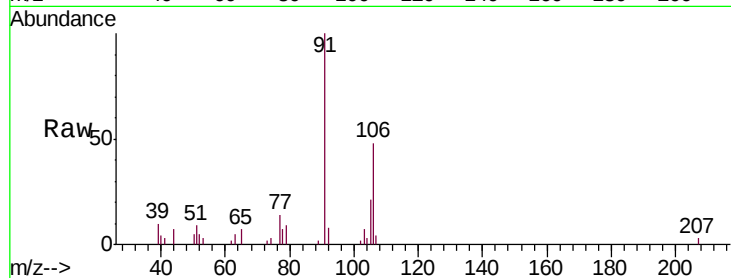




#68  
m/p-Xylenes  
Concen: 1.12 ug/l  
RT: 9.38 min Scan# 2734  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

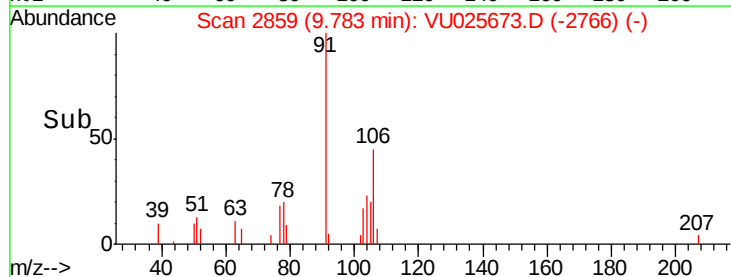
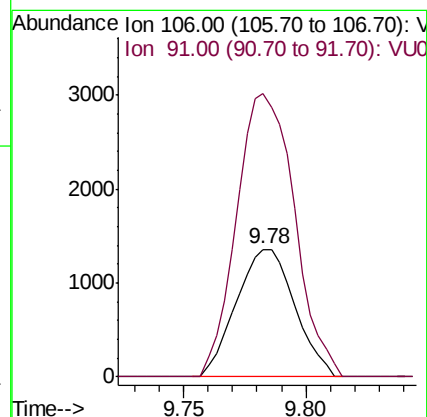
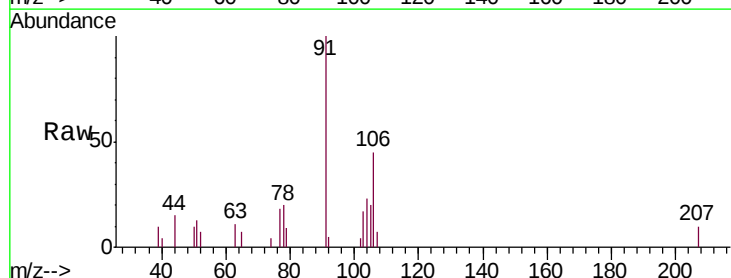
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

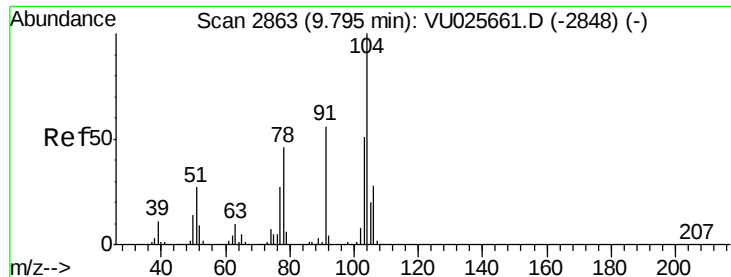
Tot Ion:106 Resp: 4597  
Ion Ratio Lower Upper  
106 100  
91 219.6 162.3 243.5



#69  
o-Xylene  
Concen: 0.56 ug/l  
RT: 9.78 min Scan# 2859  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

Tgt Ion:106 Resp: 2259  
Ion Ratio Lower Upper  
106 100  
91 219.9 105.3 315.8





#70

Stvrene

Concen: 0.59 ug/l

RT: 9.80 min Scan# 2865

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

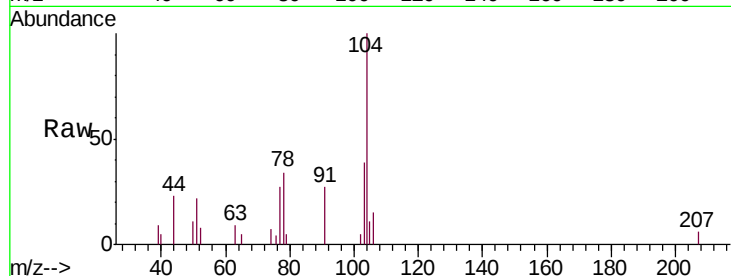
Tot Ion:104 Resp: 3819

Ion Ratio Lower Upper

104 100

78 50.4 41.6 62.4

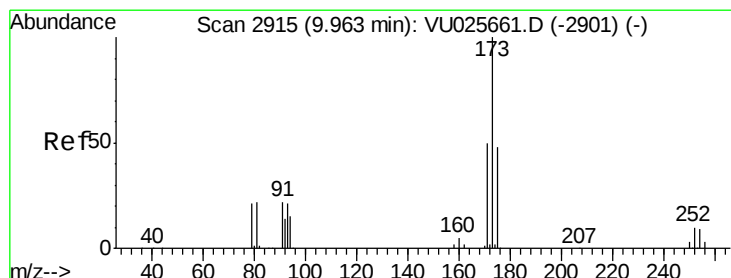
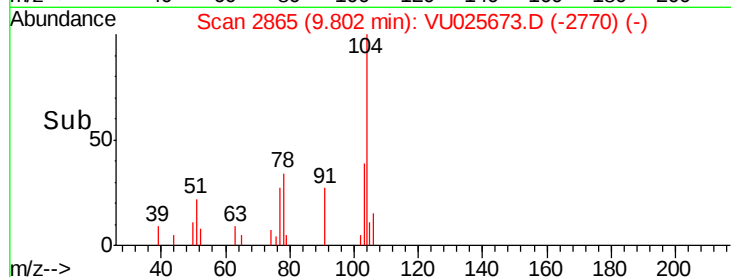
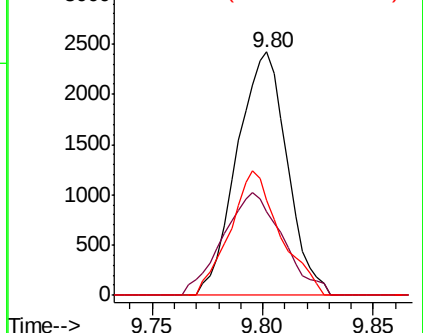
103 51.0 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.40 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

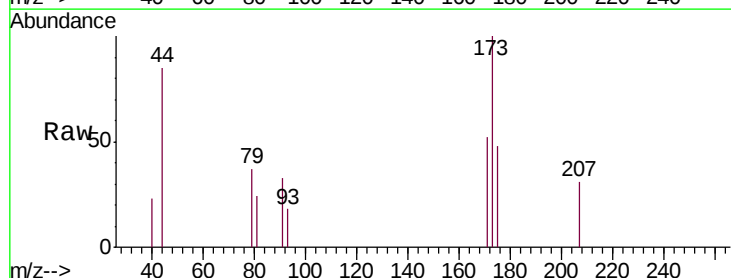
Tgt Ion:173 Resp: 813

Ion Ratio Lower Upper

173 100

175 59.2 24.0 72.0

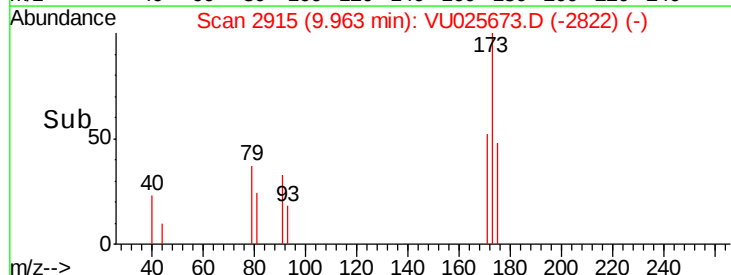
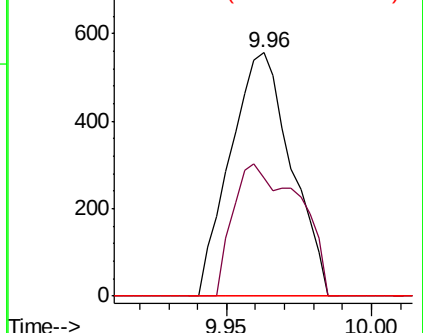
254 0.0 0.0 0.0

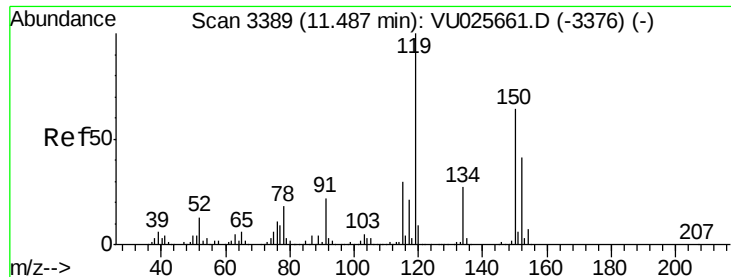


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

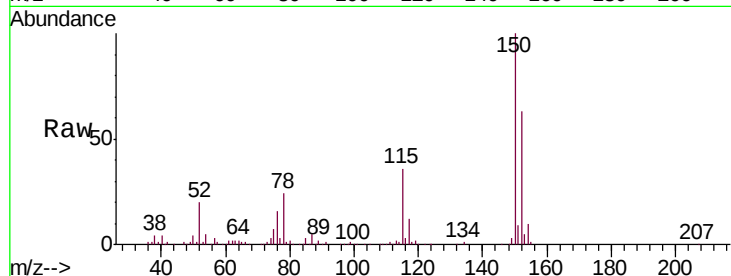
Tot Ion:152 Resp: 146169

Ion Ratio Lower Upper

152 100

115 57.0 40.1 120.3

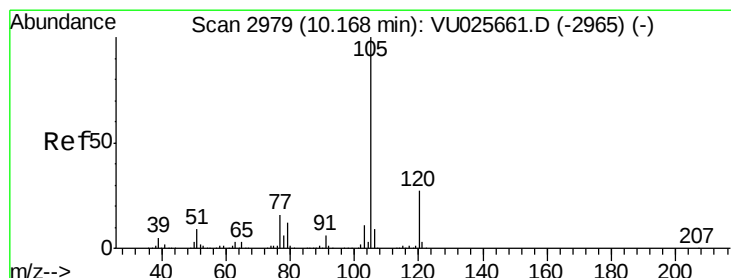
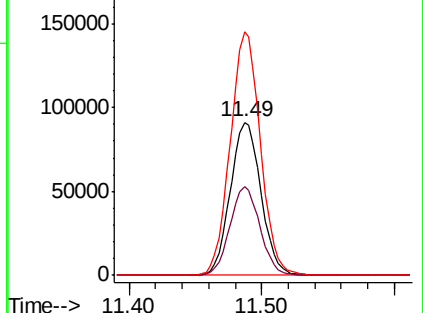
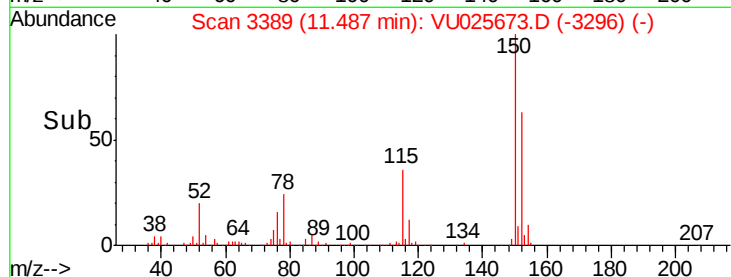
150 156.9 0.0 351.4



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



#73

Isopropylbenzene

Concen: 0.61 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025673.D

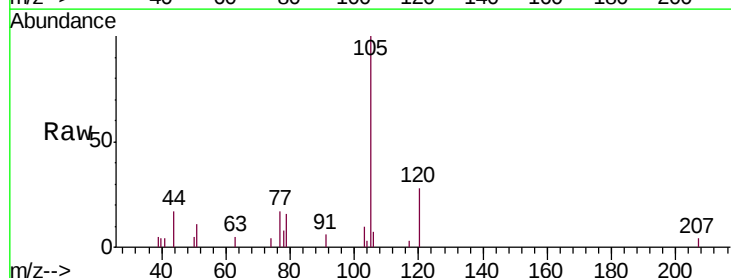
Acq: 27 Jul 2018 16:51

Tgt Ion:105 Resp: 6118

Ion Ratio Lower Upper

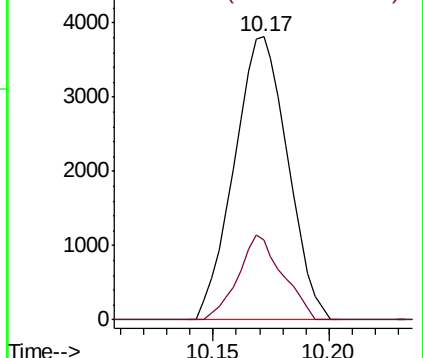
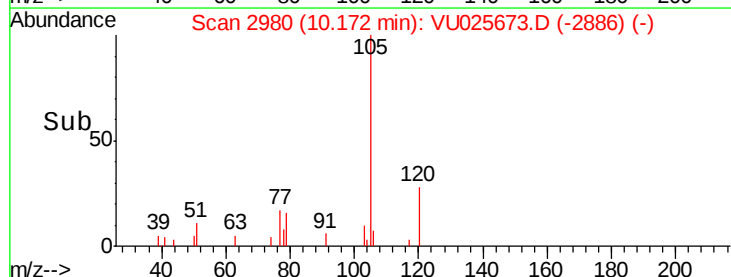
105 100

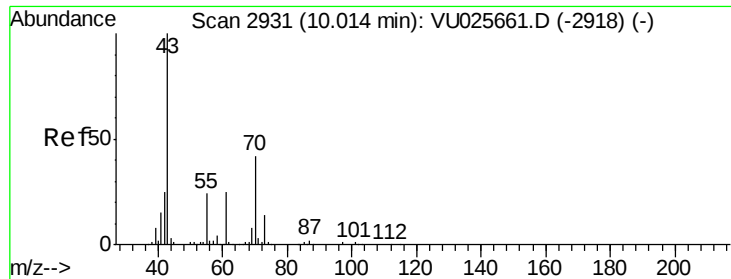
120 24.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

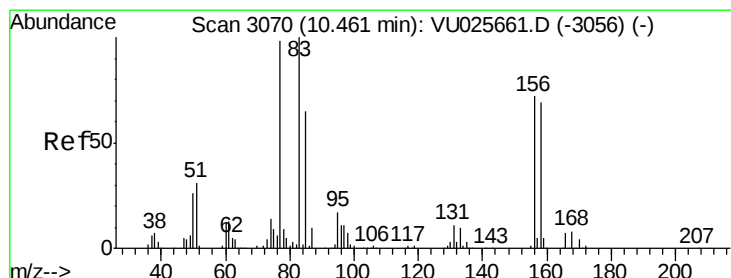
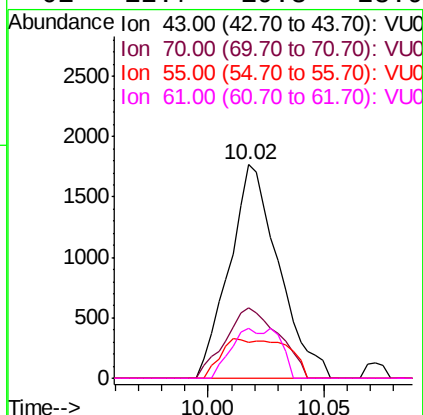
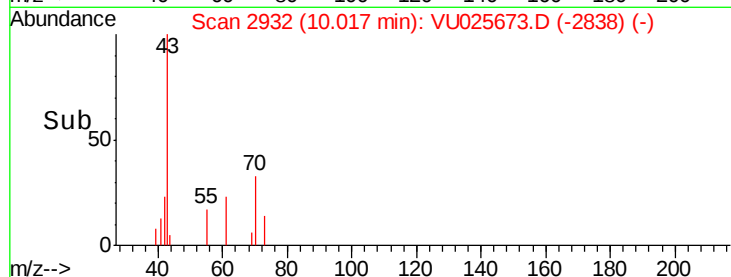
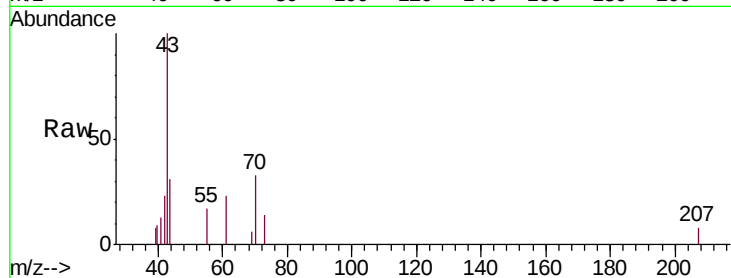




#74  
N-amvl acetate  
Concen: 0.64 ug/l  
RT: 10.02 min Scan# 2932  
Delta R.T. 0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

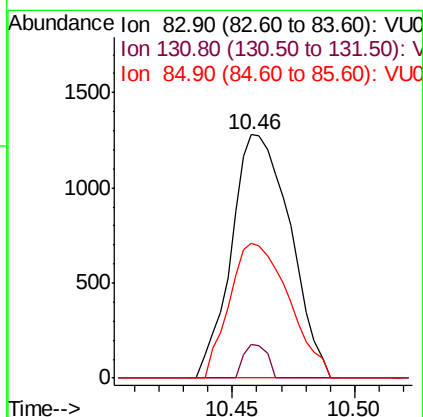
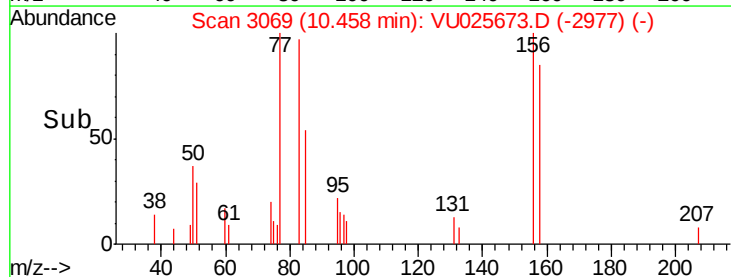
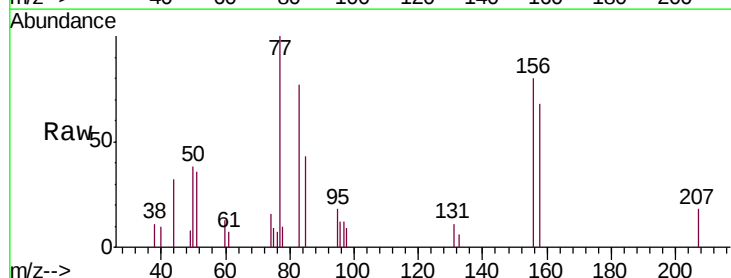
Instrument :  
MSVOA\_U  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2018

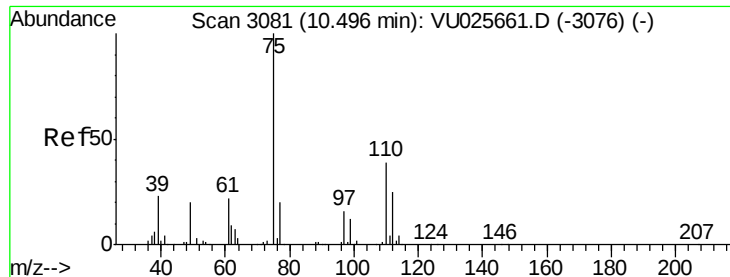
Tot Ion: 43 Resp: 2608  
Ion Ratio Lower Upper  
43 100  
70 35.7 33.4 50.2  
55 13.0 19.0 28.6#  
61 12.7 19.3 28.9#



#75  
1,1,2,2-Tetrachloroethane  
Concen: 0.62 ug/l  
RT: 10.46 min Scan# 3069  
Delta R.T. -0.00 min  
Lab File: VU025673.D  
Acq: 27 Jul 2018 16:51

Tgt Ion: 83 Resp: 2136  
Ion Ratio Lower Upper  
83 100  
131 5.4 5.5 16.4#  
85 56.0 31.6 94.8

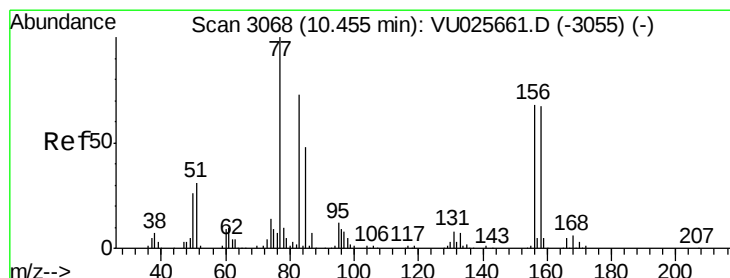
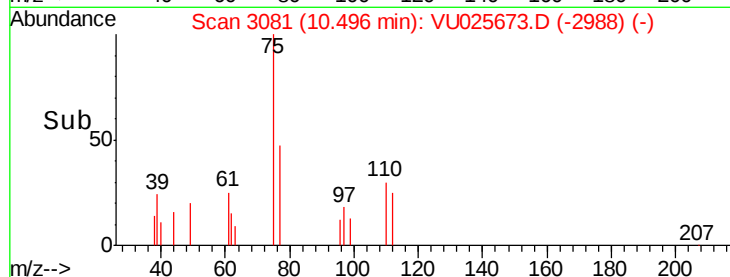
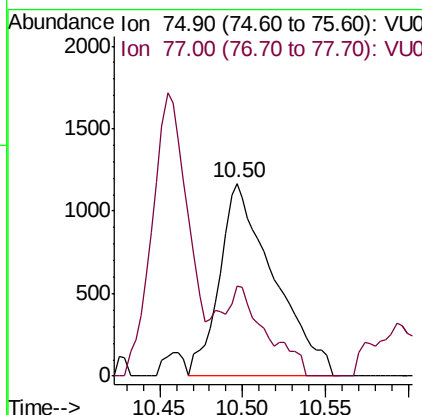
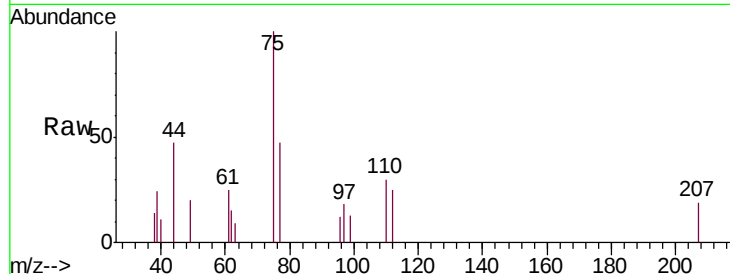




#76  
 1,2,3-Trichloropropane  
 Concen: 0.82 ug/l  
 RT: 10.50 min Scan# 3081  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

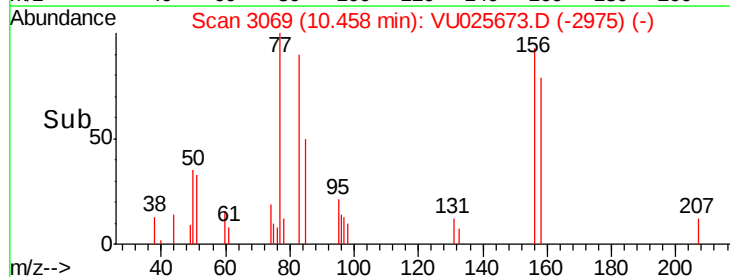
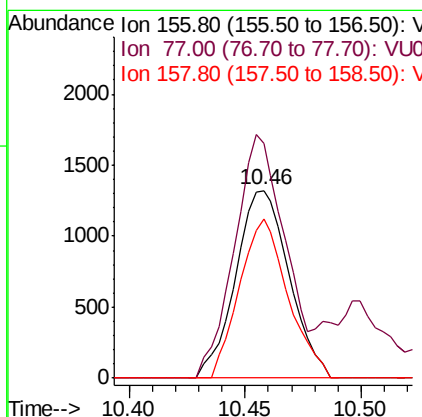
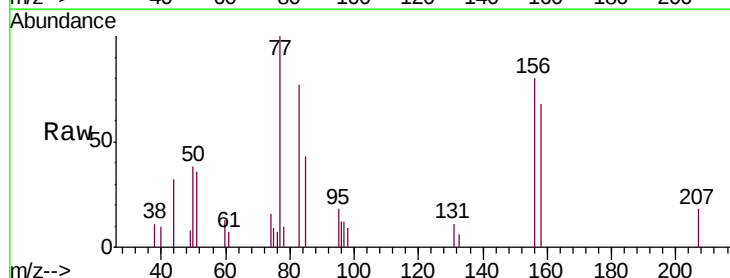
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2018

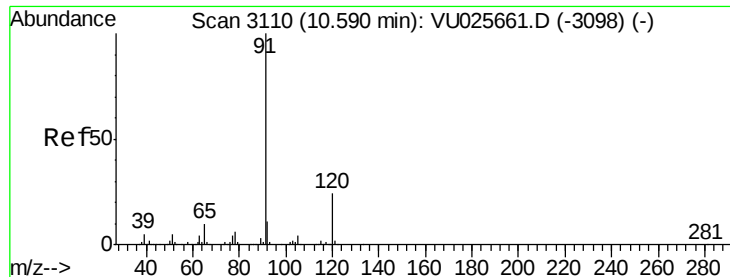
Tot Ion: 75 Resp: 2653  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 20.4 61.3



#77  
 Bromobenzene  
 Concen: 0.77 ug/l  
 RT: 10.46 min Scan# 3069  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

Tgt Ion: 156 Resp: 2123  
 Ion Ratio Lower Upper  
 156 100  
 77 125.1 73.8 221.4  
 158 76.9 48.0 144.0





#78

n-propylbenzene

Concen: 0.60 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

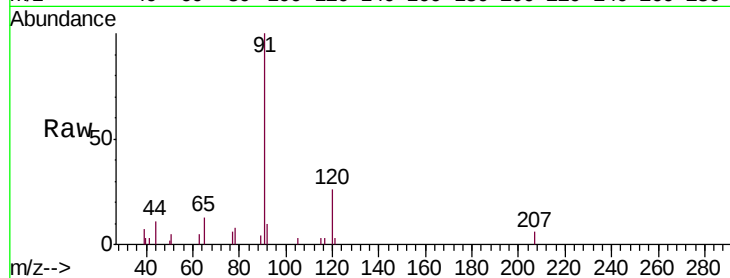
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 7004

Ion Ratio Lower Upper

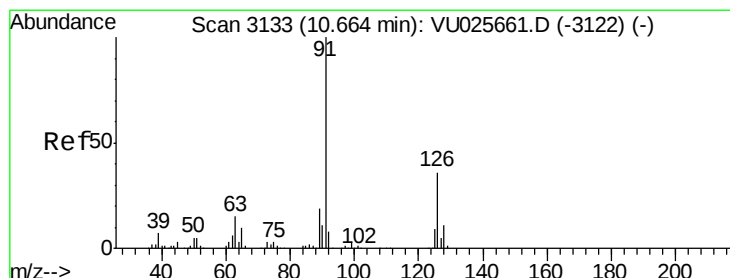
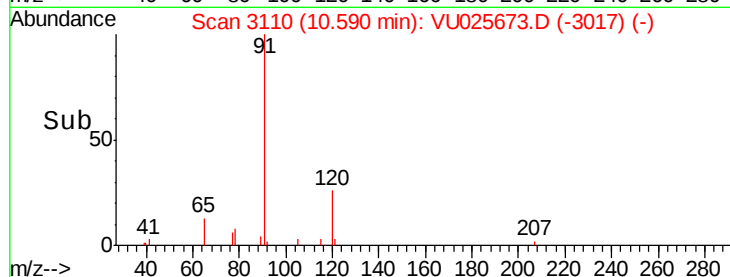
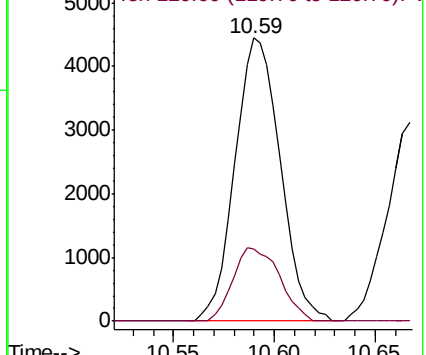
91 100

120 26.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.67 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025673.D

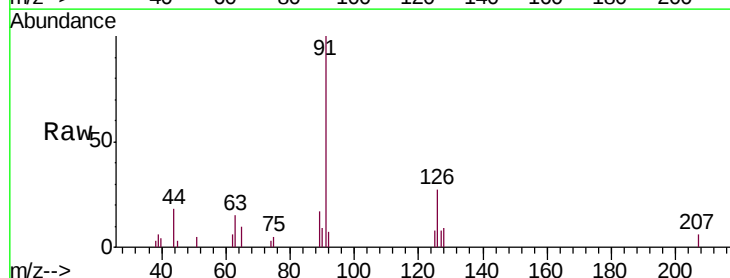
Acq: 27 Jul 2018 16:51

Tgt Ion: 91 Resp: 4560

Ion Ratio Lower Upper

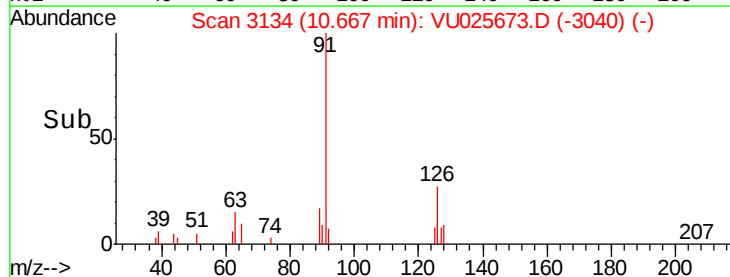
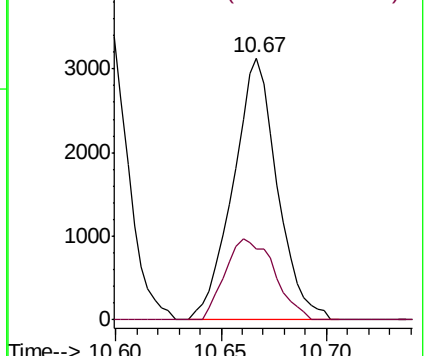
91 100

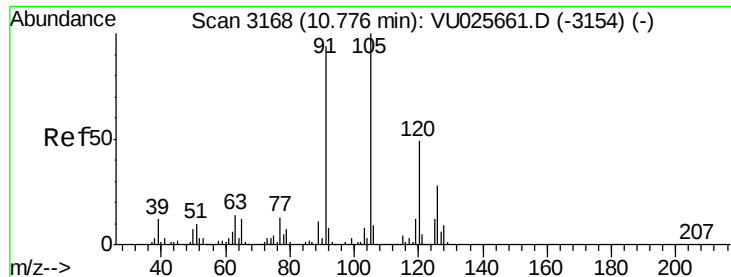
126 34.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

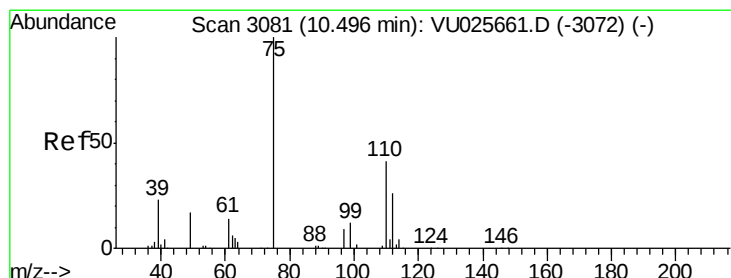
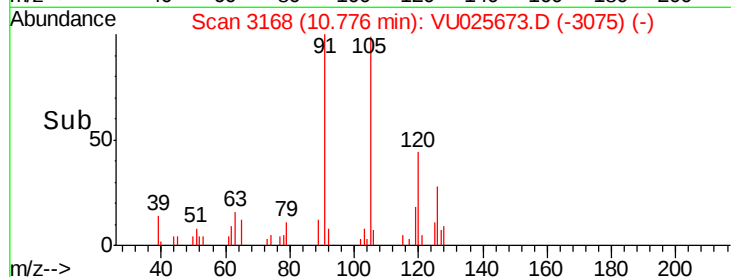
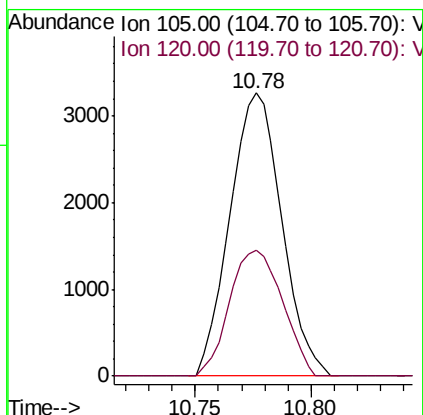
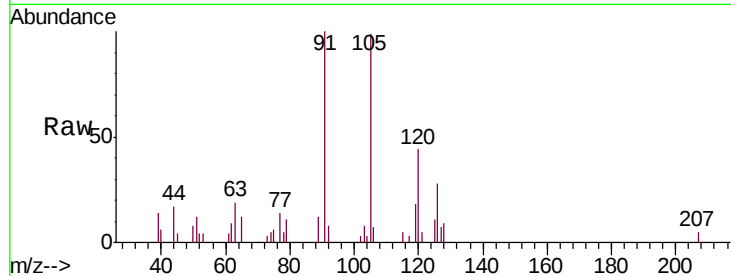




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.60 ug/l  
 RT: 10.78 min Scan# 3168  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

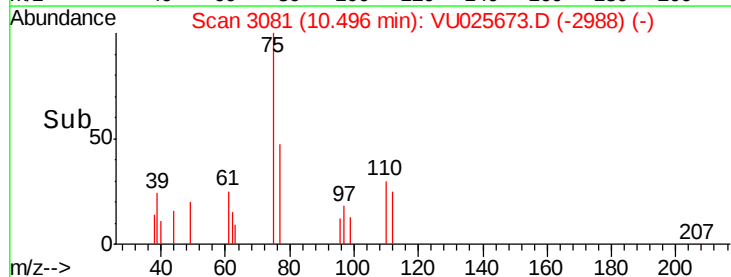
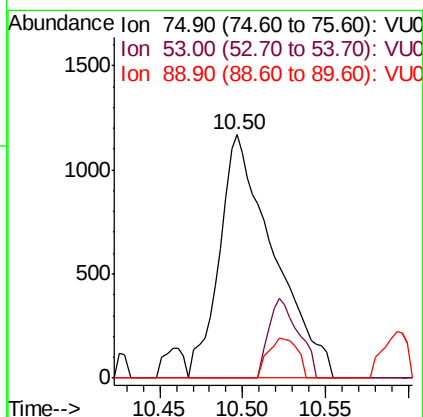
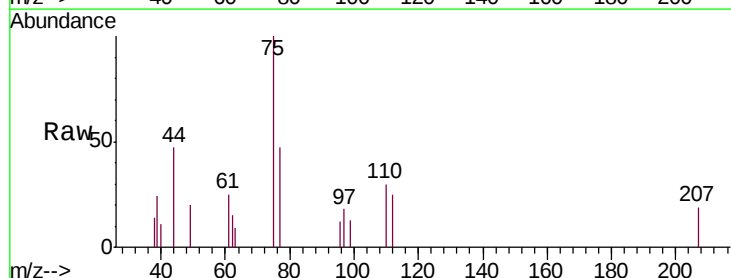
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2018

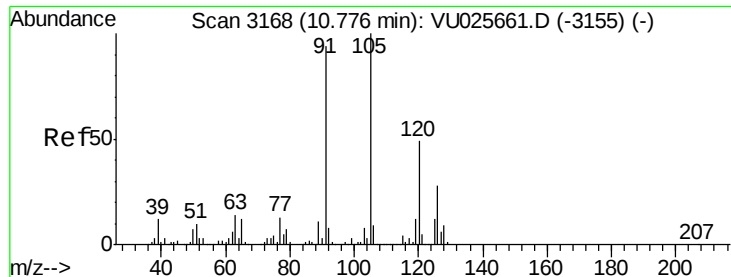
Tot Ion:105 Resp: 5054  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 24.1 72.2



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 2.07 ug/l  
 RT: 10.50 min Scan# 3081  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

Tgt Ion: 75 Resp: 2653  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 0.0 0.0  
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.65 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

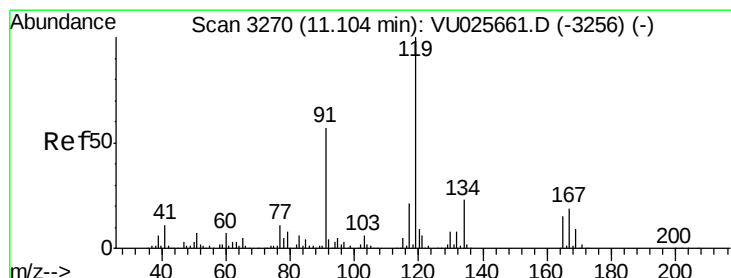
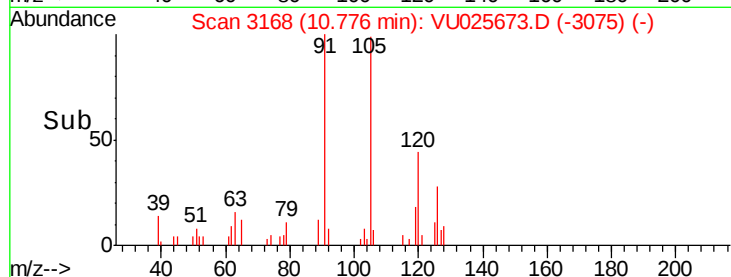
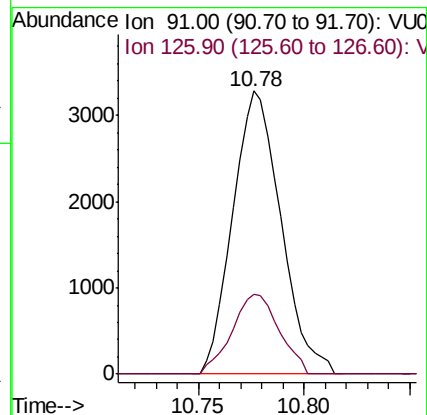
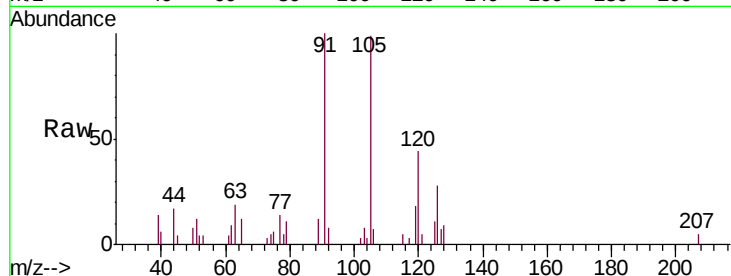
LOD-MDL-WATER-01-QT3-2018

Tot Ion: 91 Resp: 5208

Ion Ratio Lower Upper

91 100

126 27.8 15.3 45.9



#83

tert-Butylbenzene

Concen: 0.62 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

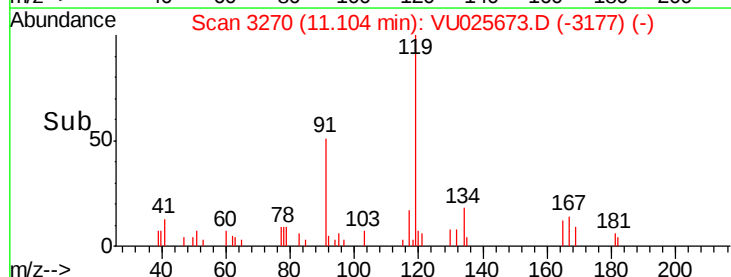
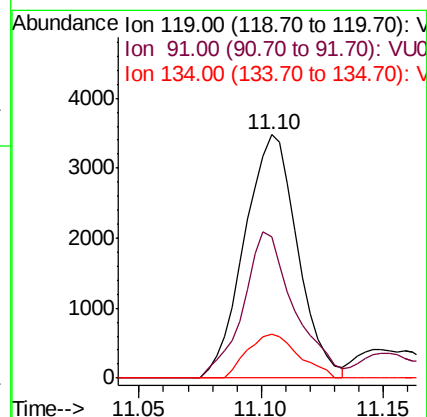
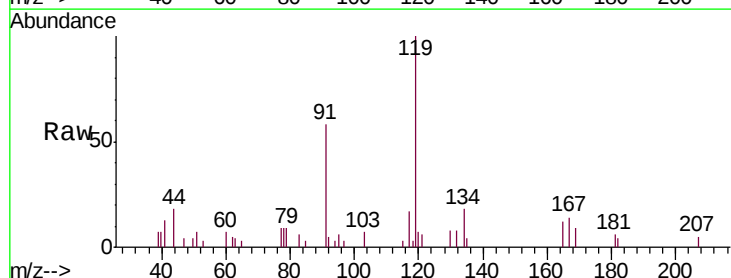
Tgt Ion: 119 Resp: 5244

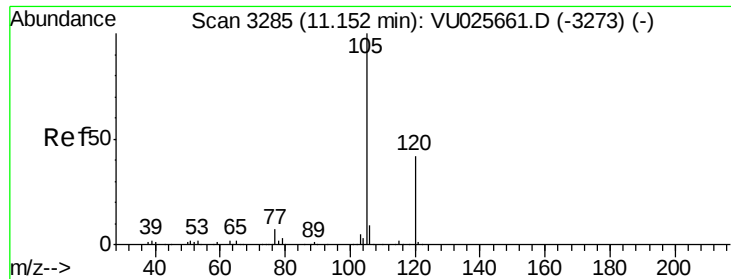
Ion Ratio Lower Upper

119 100

91 57.4 29.7 89.1

134 17.5 11.5 34.5





#84

1,2,4-Trimethylbenzene

Concen: 0.63 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

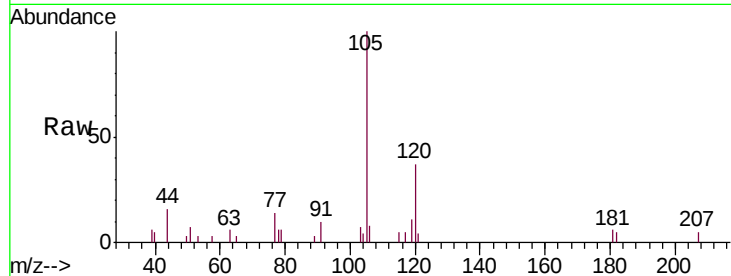
LOD-MDL-WATER-01-QT3-2018

Tot Ion:105 Resp: 5381

Ion Ratio Lower Upper

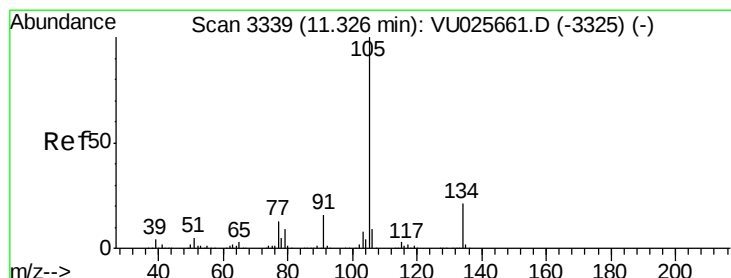
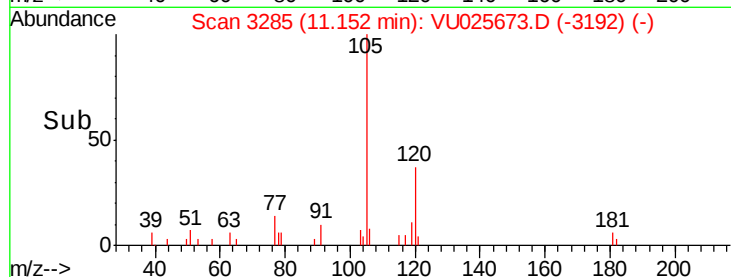
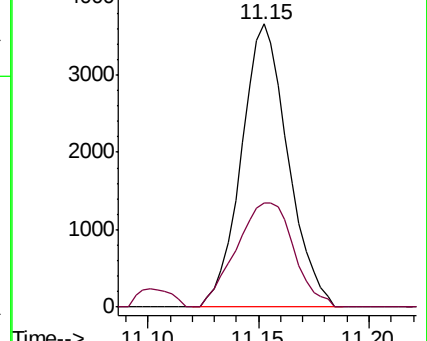
105 100

120 45.3 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.62 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025673.D

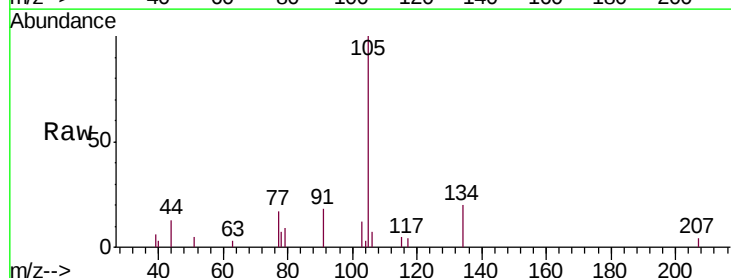
Acq: 27 Jul 2018 16:51

Tgt Ion:105 Resp: 6353

Ion Ratio Lower Upper

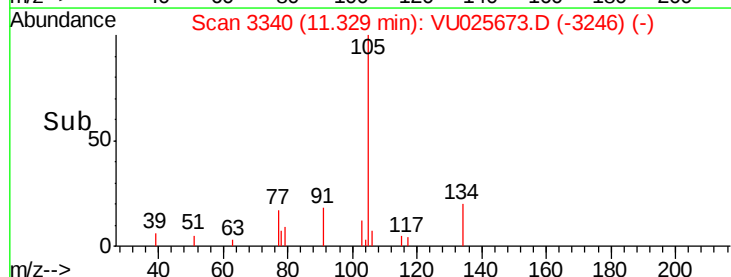
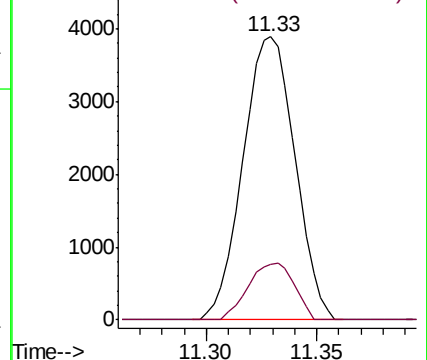
105 100

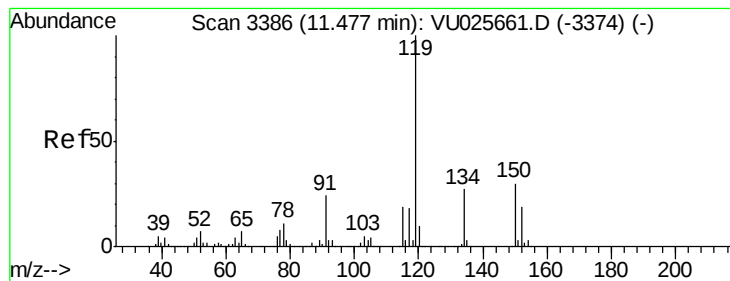
134 17.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 0.65 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

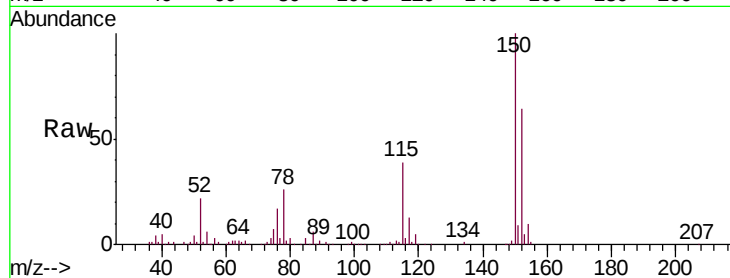
Tot Ion:119 Resp: 6000

Ion Ratio Lower Upper

119 100

134 27.9 13.2 39.5

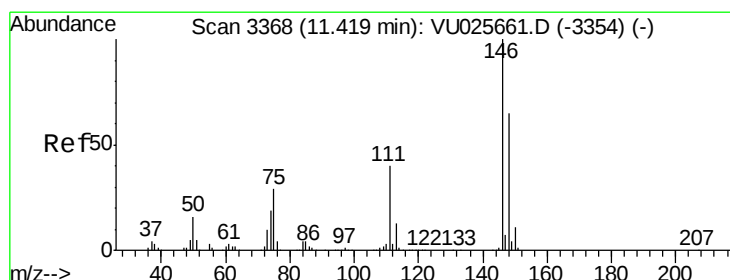
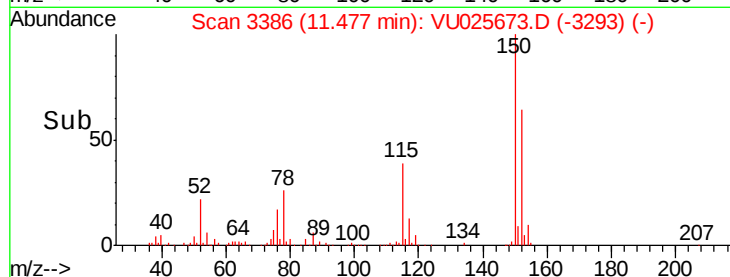
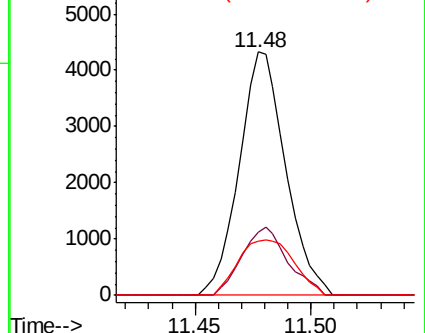
91 27.4 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 0.73 ug/l

RT: 11.43 min Scan# 3370

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

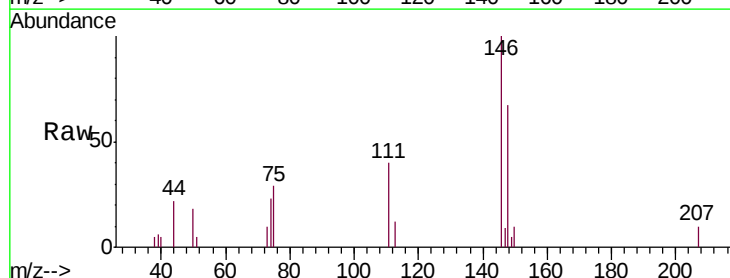
Tgt Ion:146 Resp: 3741

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.1

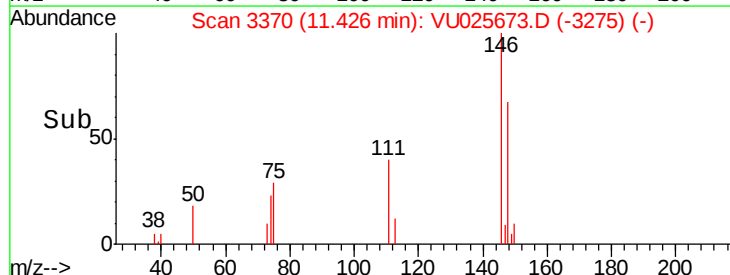
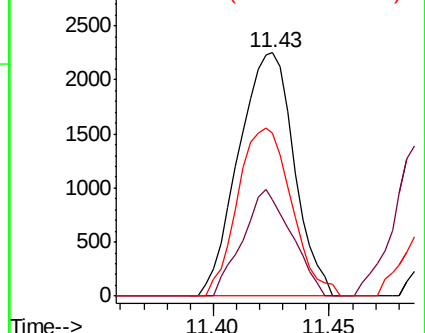
148 66.9 32.1 96.3

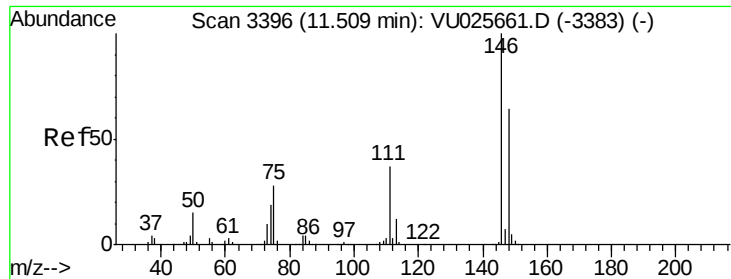


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

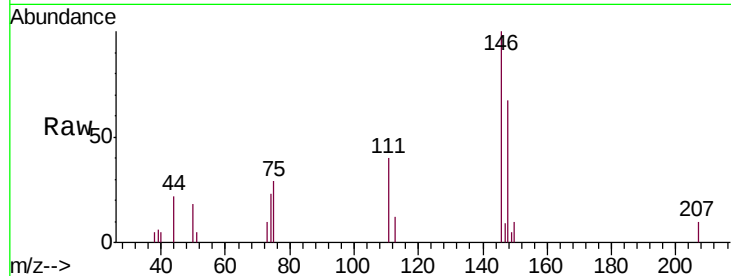




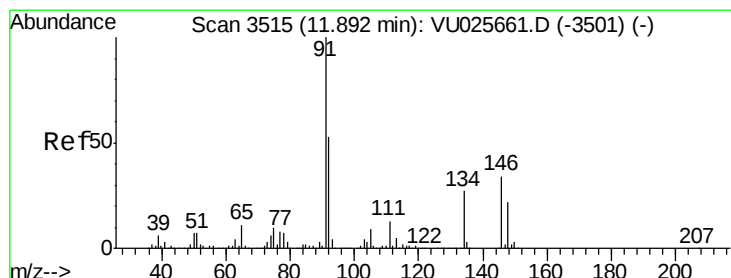
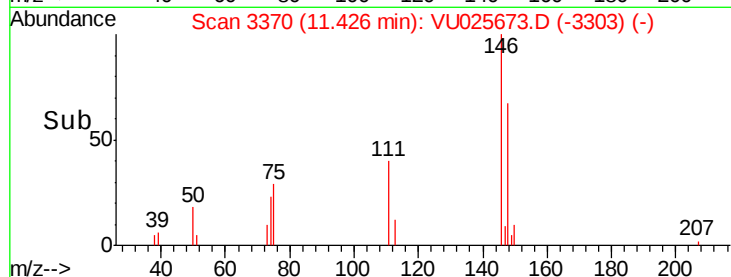
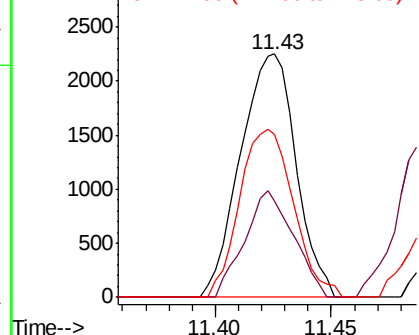
#88  
 1,4-Dichlorobenzene  
 Concen: 0.70 ug/l  
 RT: 11.43 min Scan# 3370  
 Delta R.T. -0.08 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

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

Tot Ion:146 Resp: 3741  
 Ion Ratio Lower Upper  
 146 100  
 111 38.6 19.4 58.1  
 148 66.9 31.7 95.1

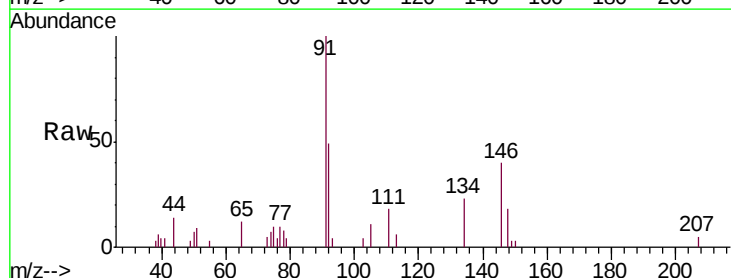


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

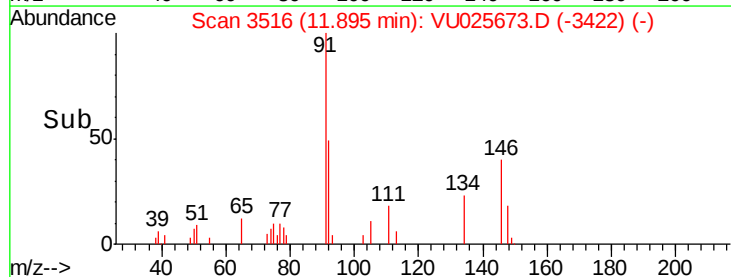
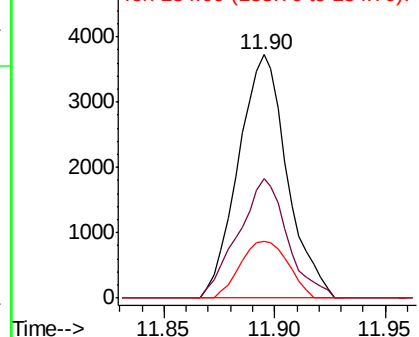


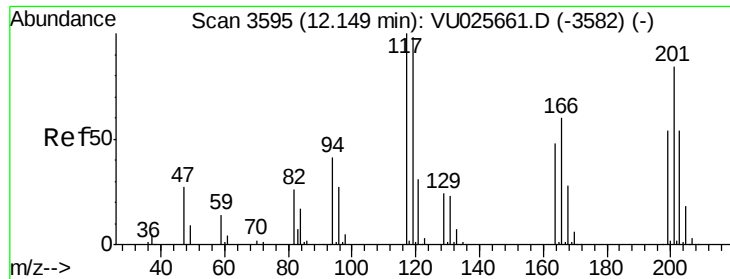
#89  
 n-Butylbenzene  
 Concen: 0.67 ug/l  
 RT: 11.90 min Scan# 3516  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

Tgt Ion: 91 Resp: 5713  
 Ion Ratio Lower Upper  
 91 100  
 92 49.5 26.5 79.5  
 134 23.1 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VU0  
 Ion 92.00 (91.70 to 92.70): VU0  
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.39 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

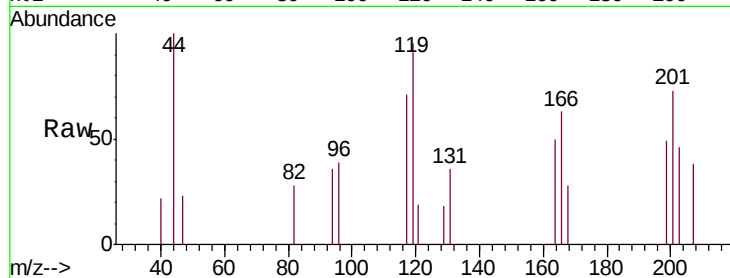
LOD-MDL-WATER-01-QT3-2018

Tot Ion:117 Resp: 630

Ion Ratio Lower Upper

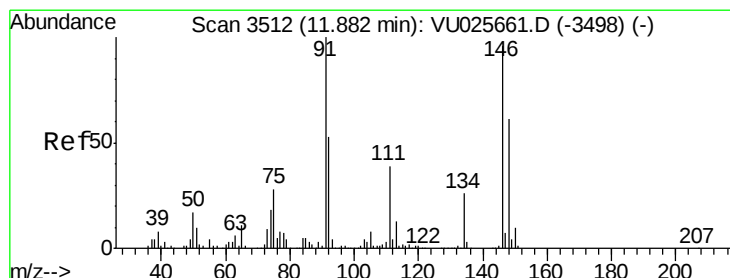
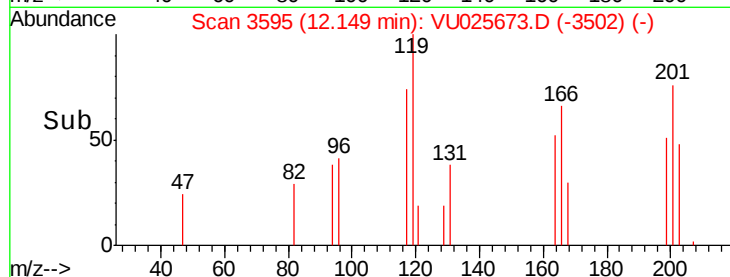
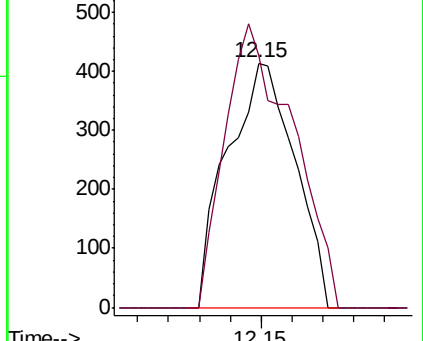
117 100

201 116.5 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.72 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

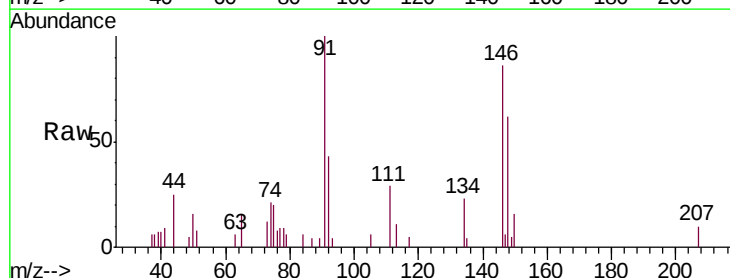
Tgt Ion:146 Resp: 3600

Ion Ratio Lower Upper

146 100

111 36.1 20.6 61.8

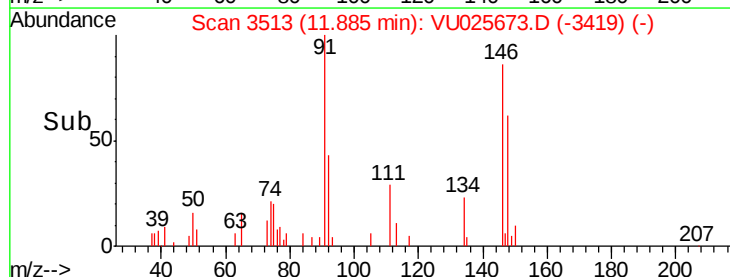
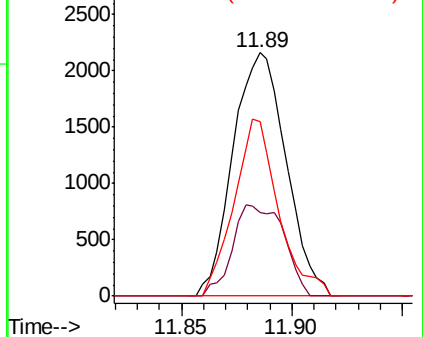
148 61.1 31.5 94.5

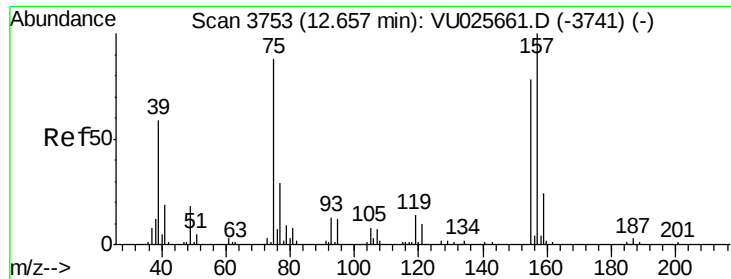


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

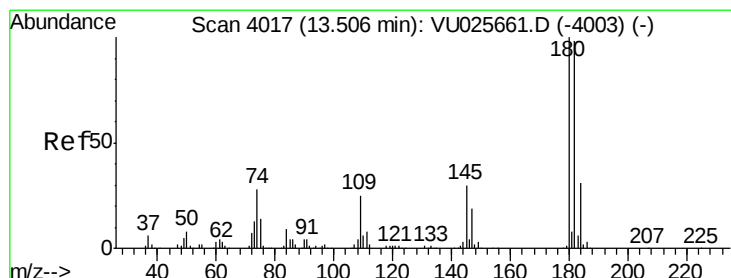
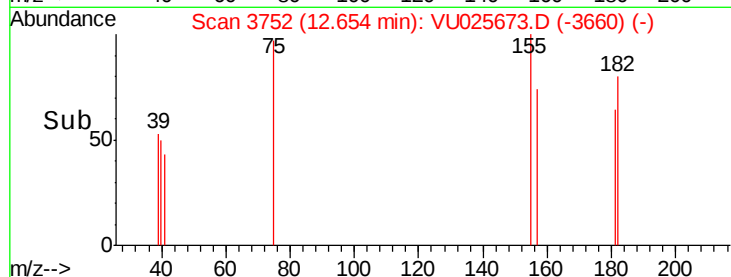
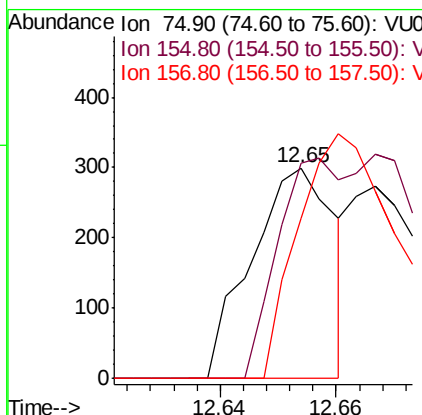
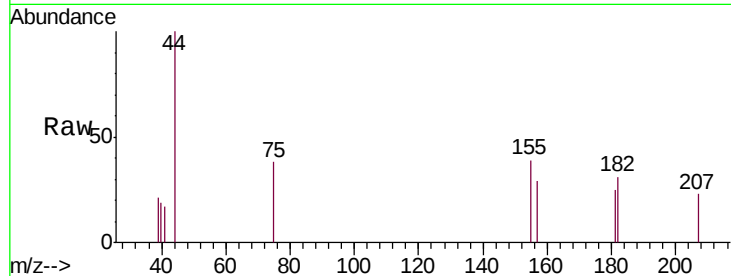




#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 0.36 ug/l  
 RT: 12.65 min Scan# 3752  
 Delta R.T. -0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

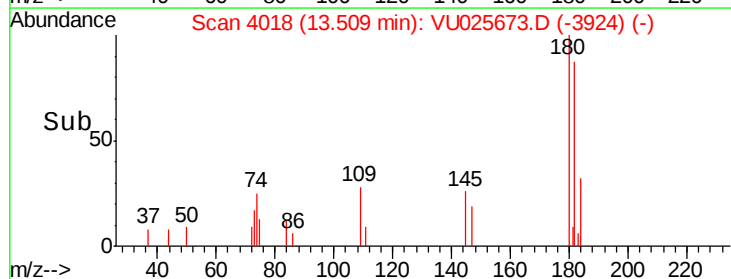
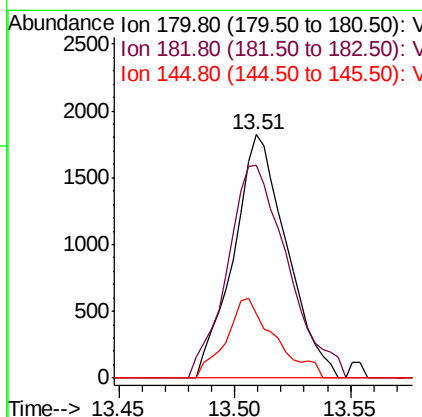
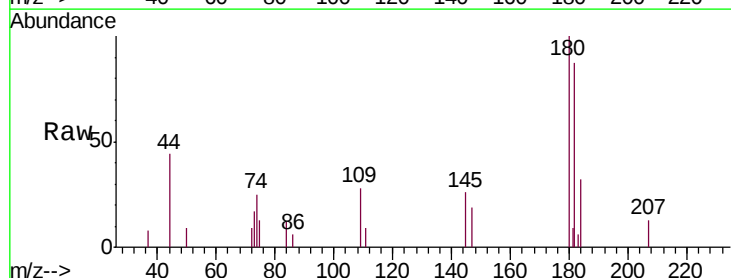
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2018

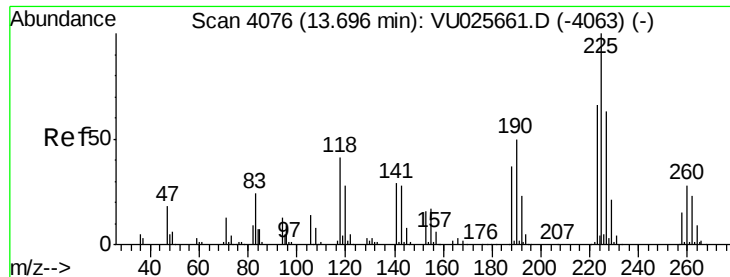
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 80.3  | 44.5  | 133.3 |
| 157     | 138.3 | 57.0  | 170.8 |



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.86 ug/l  
 RT: 13.51 min Scan# 4018  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 98.7  | 47.3  | 141.9 |
| 145     | 30.0  | 14.9  | 44.7  |





#94

Hexachlorobutadiene

Concen: 0.64 ug/l

RT: 13.70 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

Instrument :

MSVOA\_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

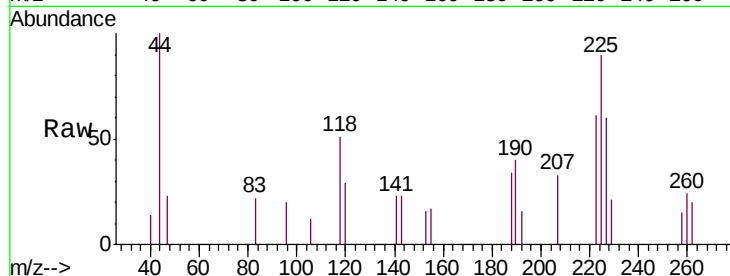
Tot Ion:225 Resp: 1141

Ion Ratio Lower Upper

225 100

223 69.0 31.9 95.7

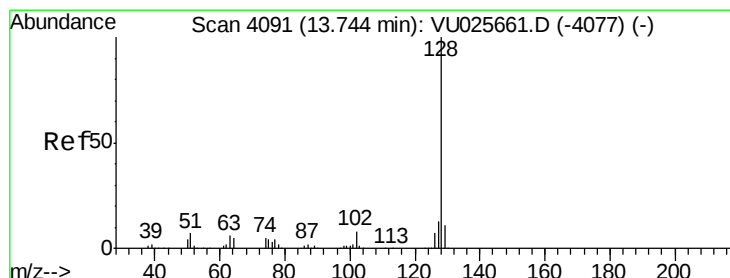
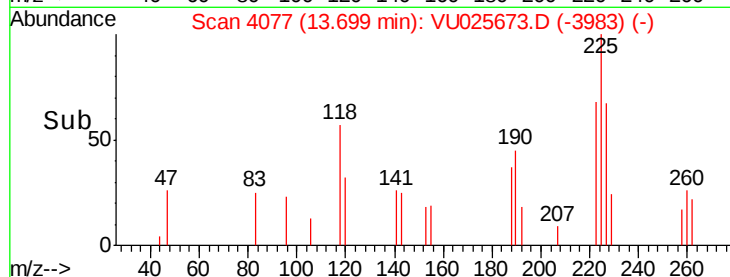
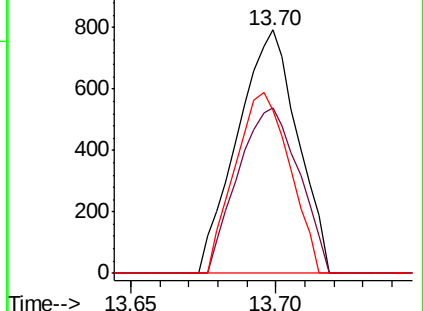
227 67.7 32.3 96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.74 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025673.D

Acq: 27 Jul 2018 16:51

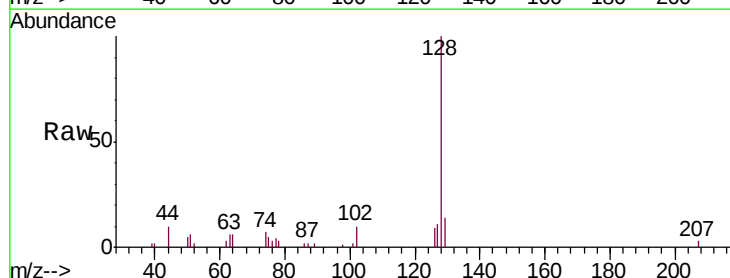
Tgt Ion:128 Resp: 16549

Ion Ratio Lower Upper

128 100

127 10.9 10.5 15.7

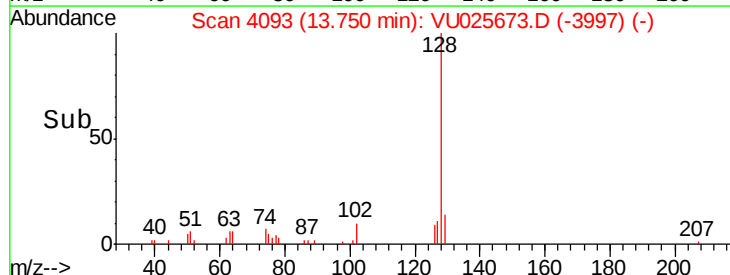
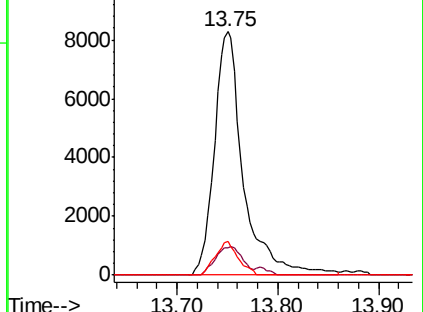
129 10.9 8.3 12.5

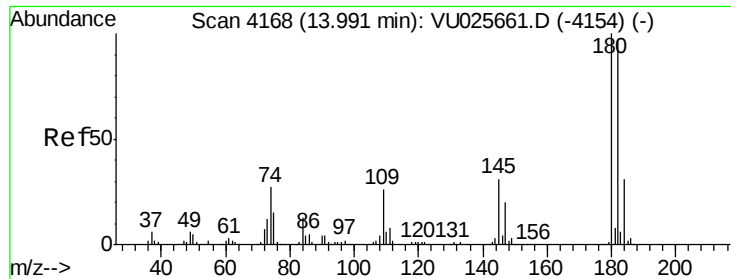


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

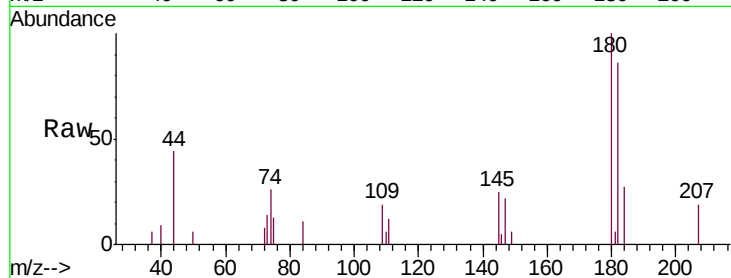




#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.97 ug/l  
 RT: 13.99 min Scan# 4168  
 Delta R.T. 0.00 min  
 Lab File: VU025673.D  
 Acq: 27 Jul 2018 16:51

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

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 87.5  | 47.8  | 143.3 |
| 145     | 26.6  | 15.6  | 46.8  |



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

