

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\  
 Data File : VU025340.D  
 Acq On : 12 Jul 2018 15:30  
 Operator : MD/SY  
 Sample : J3922-01DL 5X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SS037MW036-180709DL

Quant Time: Jul 13 01:09:43 2018  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U070918W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 10 09:34:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 200487   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 300685   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 282427   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 147793   | 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   | 153314   | 49.22 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.44%  |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 119187   | 46.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.98%  |          |
| 50) Toluene-d8              | 7.57  | 98   | 438256   | 50.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.92% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 159361   | 45.57 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.14%  |          |

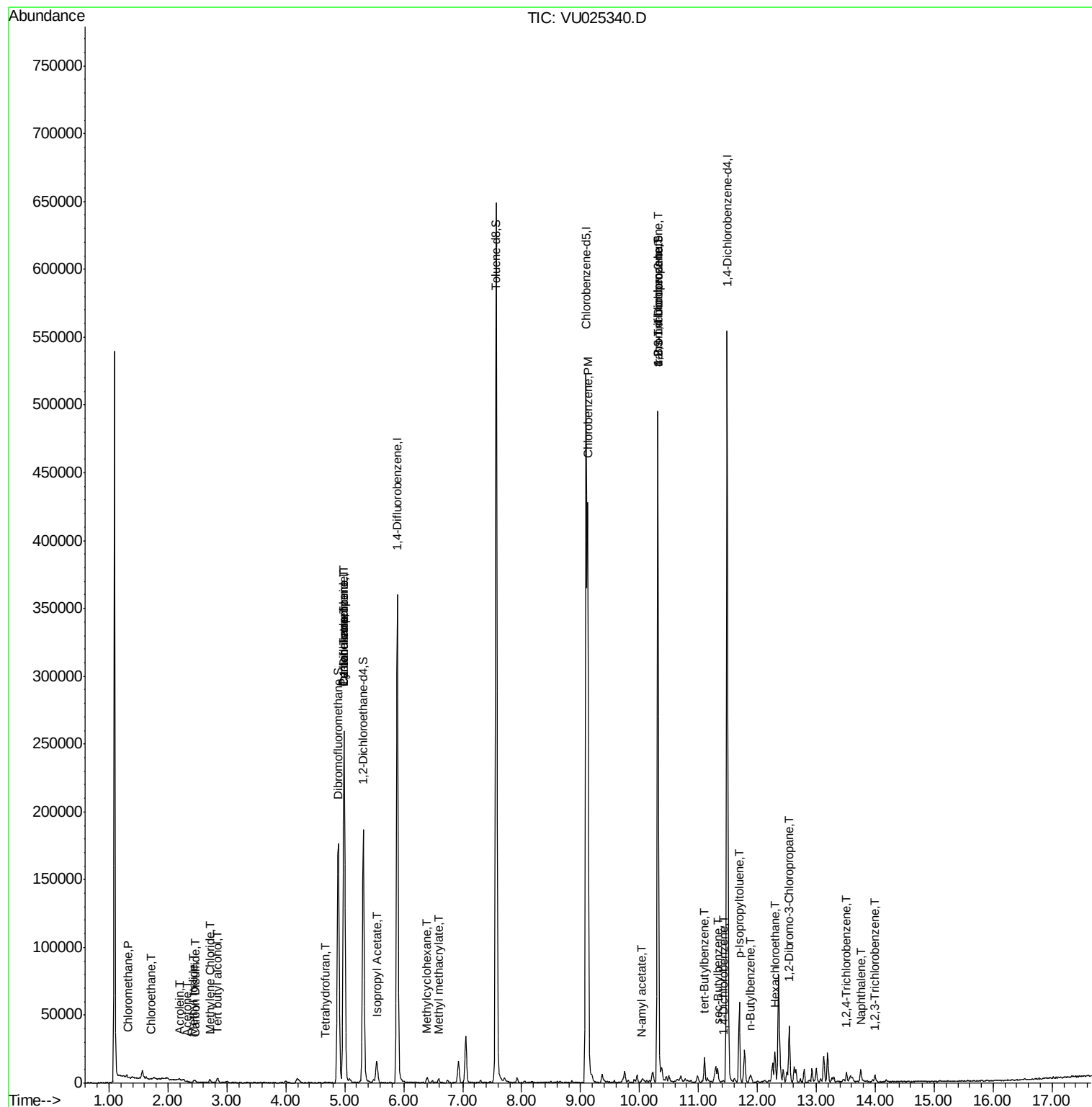
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 3) Chloromethane               | 1.33  | 50   | 516      | 0.81      | ug/l  | # 82   |
| 5) Bromomethane                | 1.64  | 94   | 522      | Below Cal |       | # 80   |
| 6) Chloroethane                | 1.71  | 64   | 153      | 0.40      | ug/l  | # 43   |
| 10) Methyl Iodide              | 2.42  | 142  | 364      | 7.83      | ug/l  | # 39   |
| 11) Tert butyl alcohol         | 2.84  | 59   | 2279     | 3.35      | ug/l  | # 73   |
| 13) Acrolein                   | 2.19  | 56   | 105      | 0.23      | ug/l  | # 1    |
| 16) Acetone                    | 2.32  | 43   | 832      | 5.38      | ug/l  | # 46   |
| 17) Carbon Disulfide           | 2.47  | 76   | 605      | 2.03      | ug/l  | # 74   |
| 20) Methylene Chloride         | 2.71  | 84   | 495      | 0.89      | ug/l  | # 78   |
| 29) Tetrahydrofuran            | 4.67  | 42   | 466      | 0.36      | ug/l  | # 35   |
| 31) Cyclohexane                | 4.99  | 56   | 3835     | 1.70      | ug/l  | # 1    |
| 36) 1,1-Dichloropropene        | 4.99  | 75   | 14638    | 4.38      | ug/l  | # 49   |
| 38) Carbon Tetrachloride       | 4.99  | 117  | 20045    | 5.57      | ug/l  | # 17   |
| 39) Methylcyclohexane          | 6.39  | 83   | 974      | 0.23      | ug/l  | # 30   |
| 43) Isopropyl Acetate          | 5.54  | 43   | 3224     | 0.54      | ug/l  | # 61   |
| 48) Methyl methacrylate        | 6.59  | 41   | 1099     | 0.37      | ug/l  | # 14   |
| 65) Chlorobenzene              | 9.12  | 112  | 219842   | 31.16     | ug/l  | 98     |
| 74) N-amyl acetate             | 10.02 | 43   | 434      | 1.36      | ug/l  | # 55   |
| 76) 1,2,3-Trichloropropane     | 10.31 | 75   | 83867    | 27.89     | ug/l  | # 36   |
| 81) trans-1,4-Dichloro-2-buten | 10.31 | 75   | 83867    | 71.23     | ug/l  | # 100  |
| 83) tert-Butylbenzene          | 11.10 | 119  | 8612     | 0.90      | ug/l  | 91     |
| 85) sec-Butylbenzene           | 11.33 | 105  | 5703     | 0.50      | ug/l  | 97     |
| 86) p-Isopropyltoluene         | 11.69 | 119  | 32412    | 3.24      | ug/l  | 95     |
| 88) 1,4-Dichlorobenzene        | 11.42 | 146  | 738      | 1.63      | ug/l  | 80     |
| 89) n-Butylbenzene             | 11.90 | 91   | 2492     | 0.30      | ug/l  | 82     |
| 90) Hexachloroethane           | 12.29 | 117  | 4195     | 2.47      | ug/l  | # 7    |
| 92) 1,2-Dibromo-3-Chloropropan | 12.54 | 75   | 185      | 0.21      | ug/l  | # 1    |
| 93) 1,2,4-Trichlorobenzene     | 13.51 | 180  | 1367     | 3.64      | ug/l  | # 79   |
| 95) Naphthalene                | 13.75 | 128  | 9344     | 3.23      | ug/l  | 95     |
| 96) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 1905     | 3.03      | ug/l  | 95     |

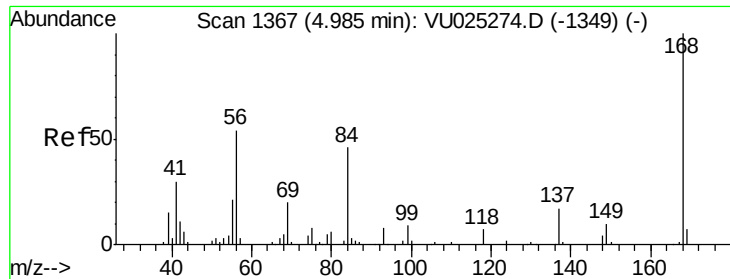
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

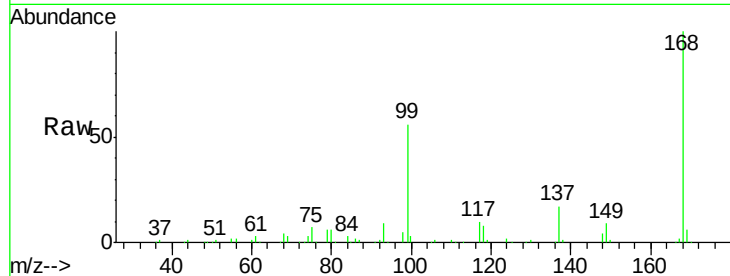
SS037MW036-180709DL

Tot Ion:168 Resp: 200487

Ion Ratio Lower Upper

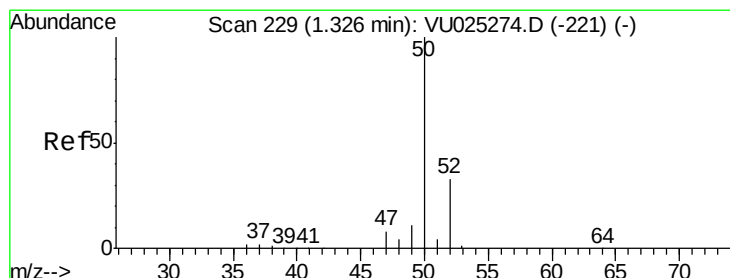
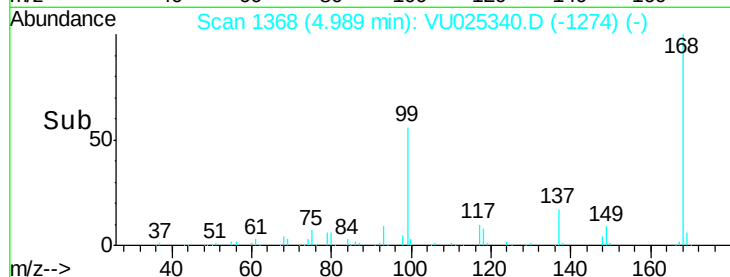
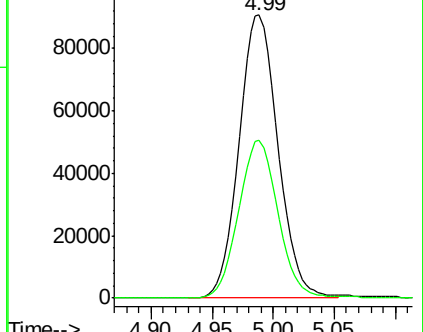
168 100

99 55.8 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025340.D (-1274) (-)

Ion 98.90 (98.60 to 99.60): VU025340.D (-1274) (-)



#3

Chloromethane

Concen: 0.81 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025340.D

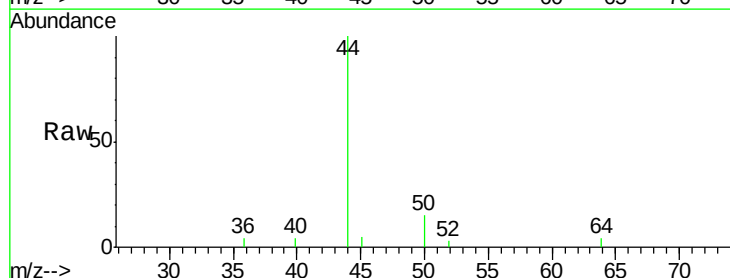
Acq: 12 Jul 2018 15:30

Tgt Ion: 50 Resp: 516

Ion Ratio Lower Upper

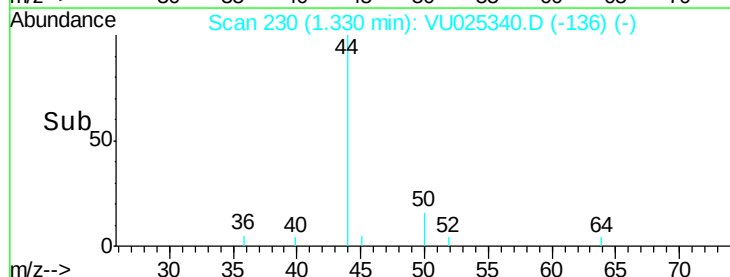
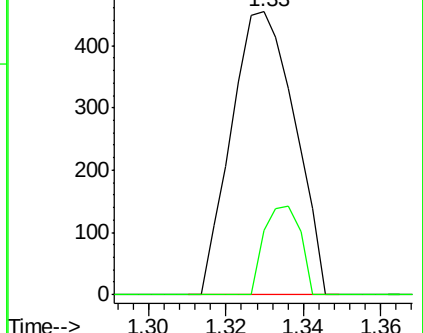
50 100

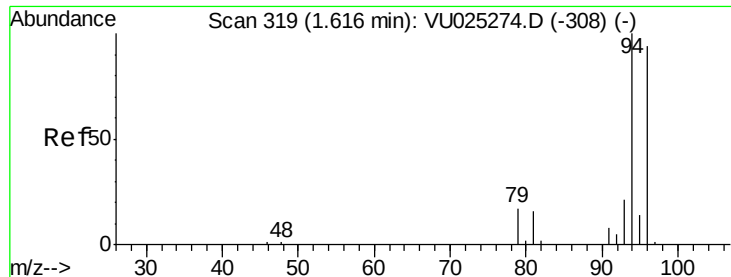
52 22.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VU025340.D (-136) (-)

Ion 51.90 (51.60 to 52.60): VU025340.D (-136) (-)





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

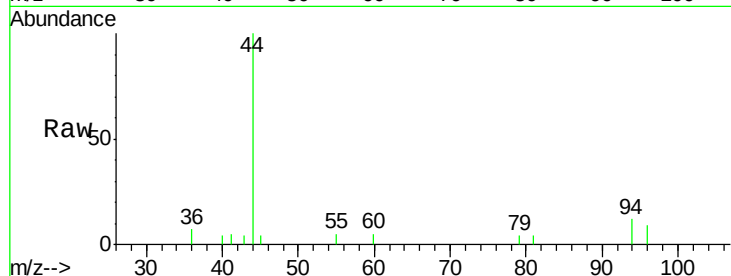
SS037MW036-180709DL

Tot Ion: 94 Resp: 522

Ion Ratio Lower Upper

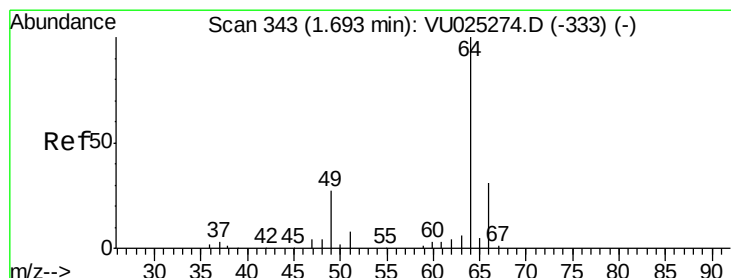
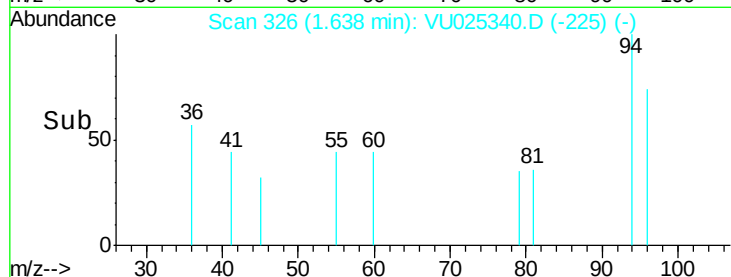
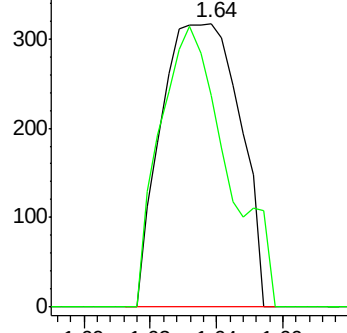
94 100

96 74.4 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 0.40 ug/l

RT: 1.71 min Scan# 348

Delta R.T. 0.02 min

Lab File: VU025340.D

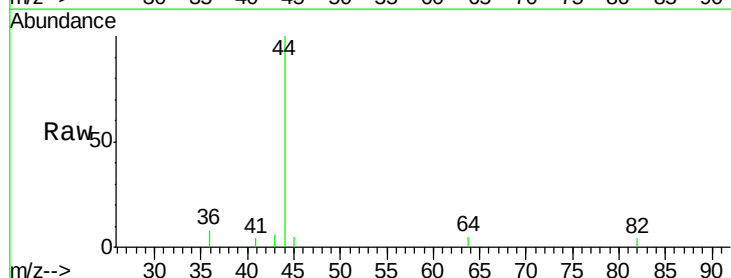
Acq: 12 Jul 2018 15:30

Tgt Ion: 64 Resp: 153

Ion Ratio Lower Upper

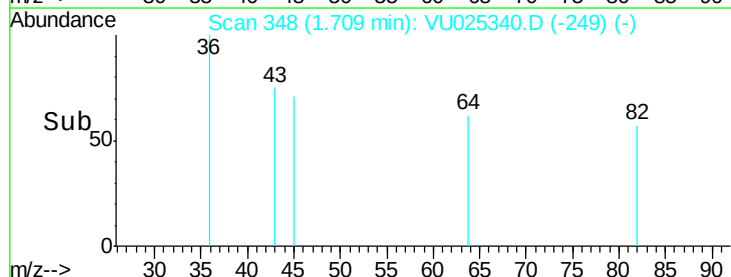
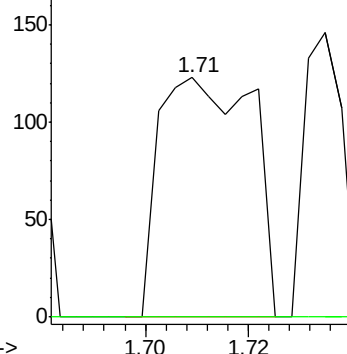
64 100

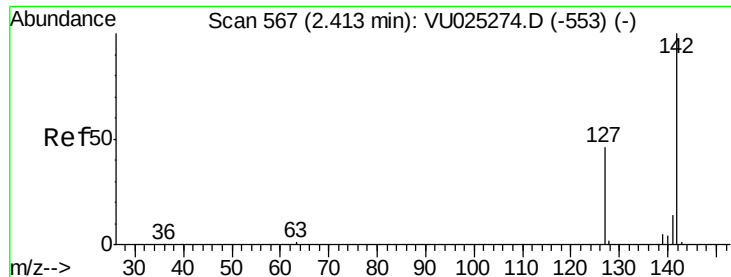
66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

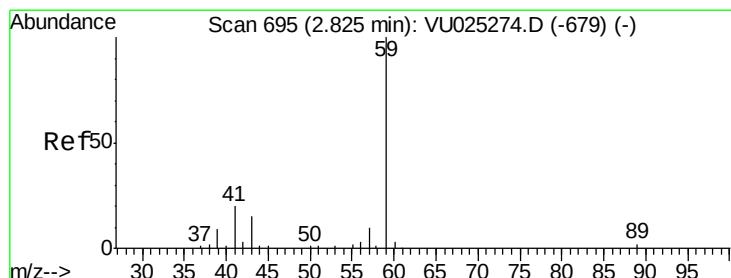
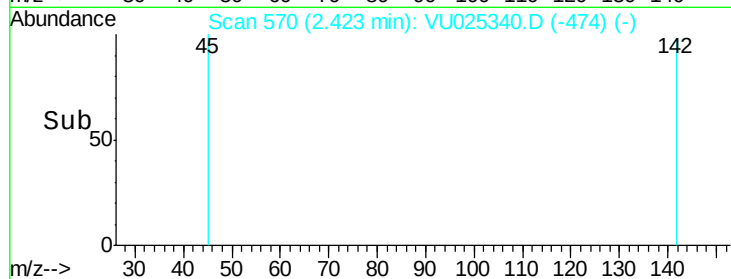
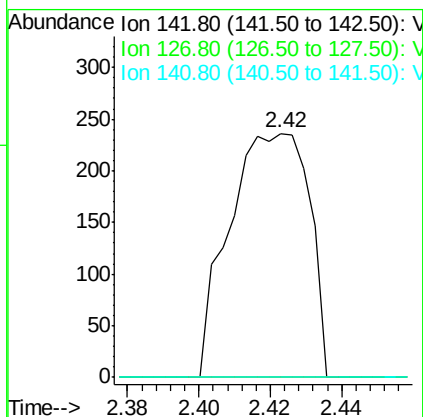
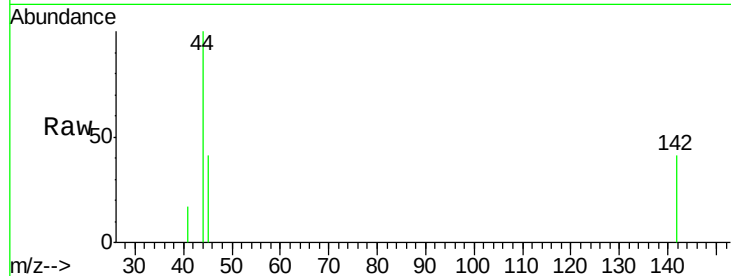




#10  
Methvl Iodide  
Concen: 7.83 ug/l  
RT: 2.42 min Scan# 570  
Delta R.T. 0.01 min  
Lab File: VU025340.D  
Acq: 12 Jul 2018 15:30

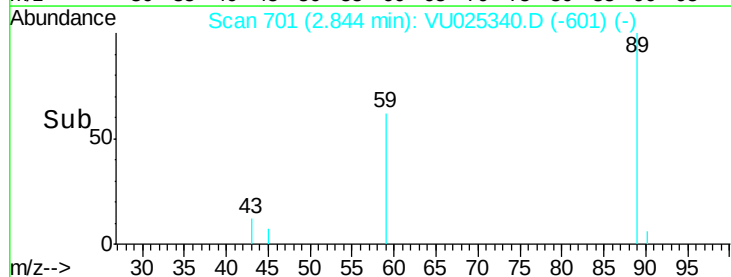
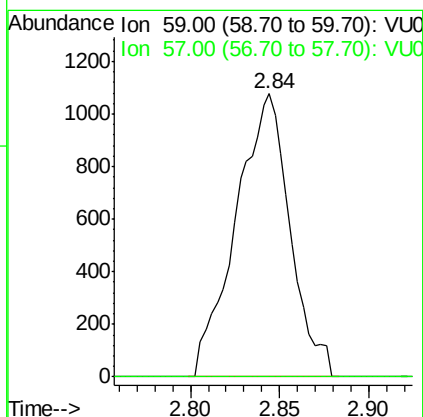
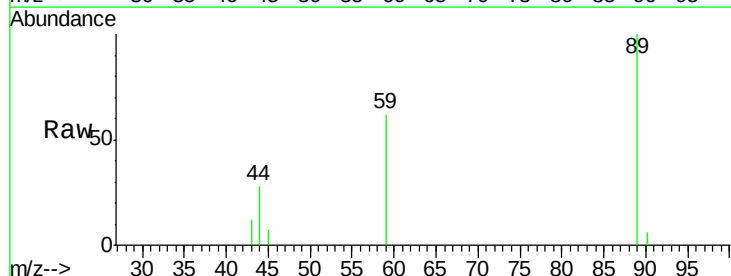
Instrument :  
MSVOA\_U  
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SS037MW036-180709DL

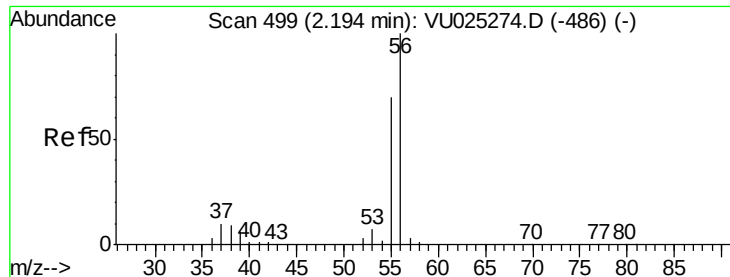
Tot Ion:142 Resp: 364  
Ion Ratio Lower Upper  
142 100  
127 0.0 36.5 54.7#  
141 0.0 11.4 17.2#



#11  
Tert butyl alcohol  
Concen: 3.35 ug/l  
RT: 2.84 min Scan# 701  
Delta R.T. 0.02 min  
Lab File: VU025340.D  
Acq: 12 Jul 2018 15:30

Tgt Ion: 59 Resp: 2279  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.23 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

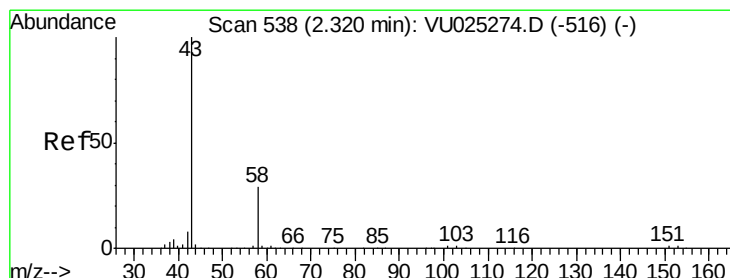
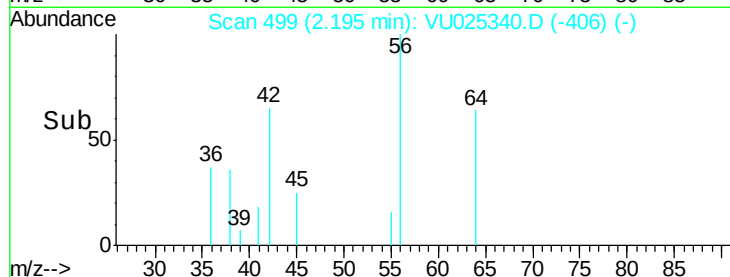
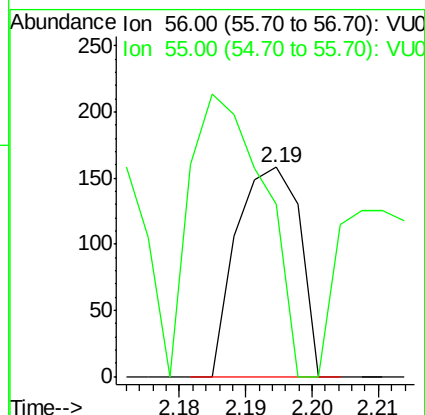
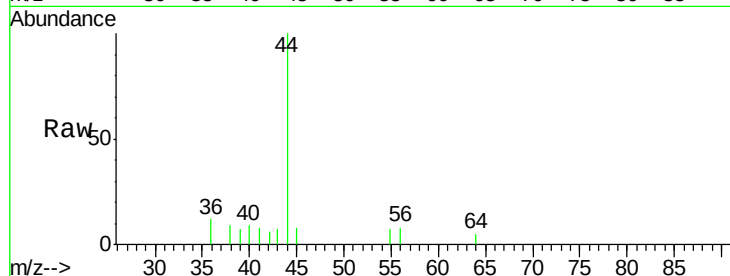
SS037MW036-180709DL

Tot Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 158.1 57.2 85.8#



#16

Acetone

Concen: 5.38 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025340.D

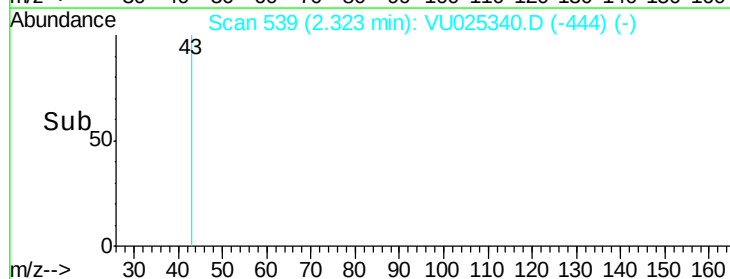
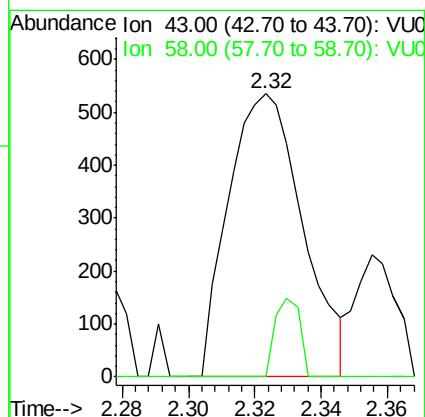
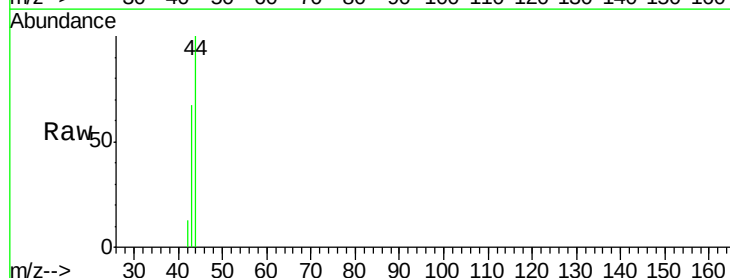
Acq: 12 Jul 2018 15:30

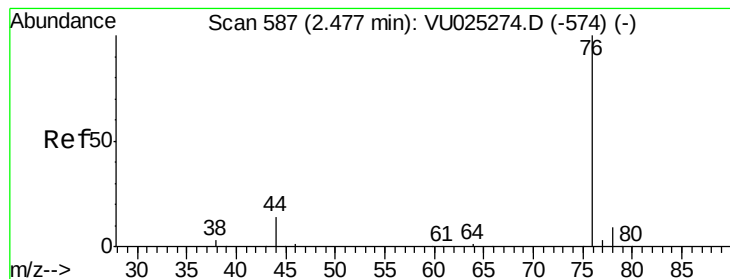
Tgt Ion: 43 Resp: 832

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#





#17

Carbon Disulfide

Concen: 2.03 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

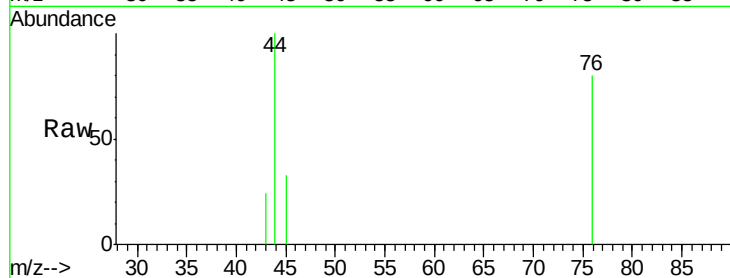
SS037MW036-180709DL

Tot Ion: 76 Resp: 605

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.47

400

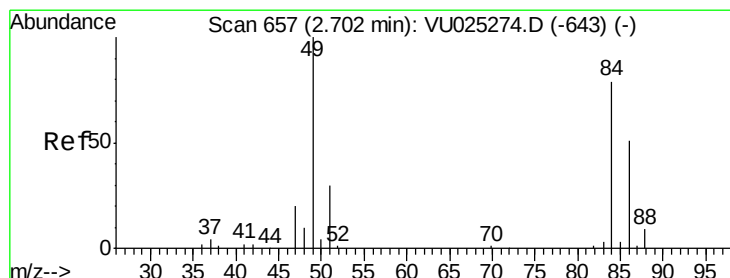
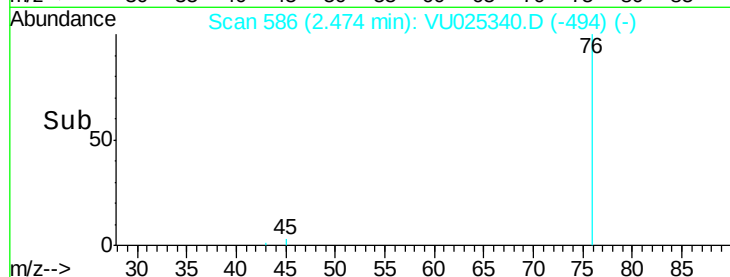
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.89 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Tgt Ion: 84 Resp: 495

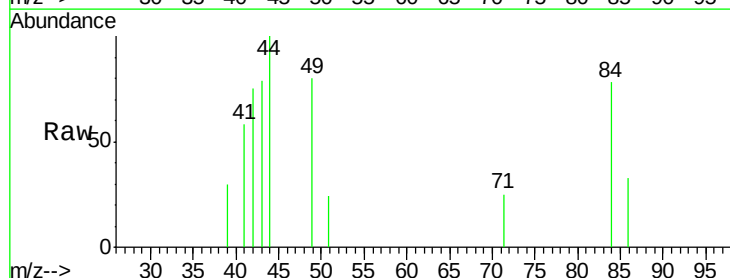
Ion Ratio Lower Upper

84 100

49 103.1 101.8 152.6

51 31.1 30.8 46.2

86 42.4 51.9 77.9#



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

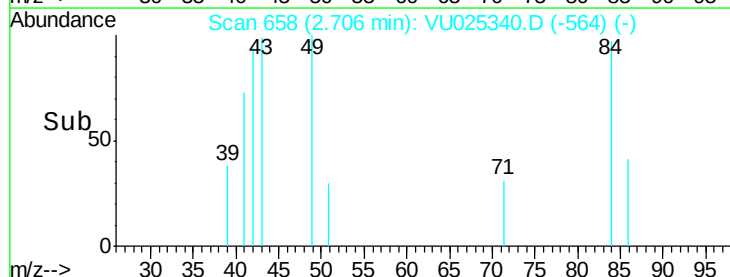
600

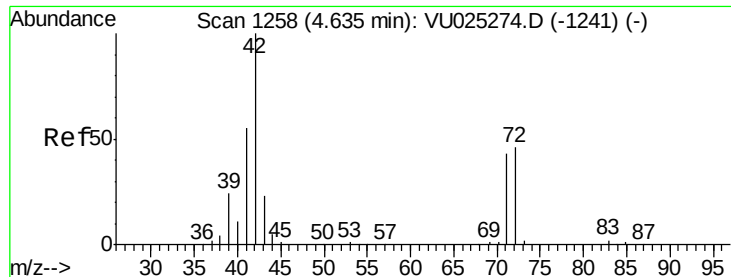
400

200

0

Time-->





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 4.67 min Scan# 1268

Delta R.T. 0.03 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

SS037MW036-180709DL

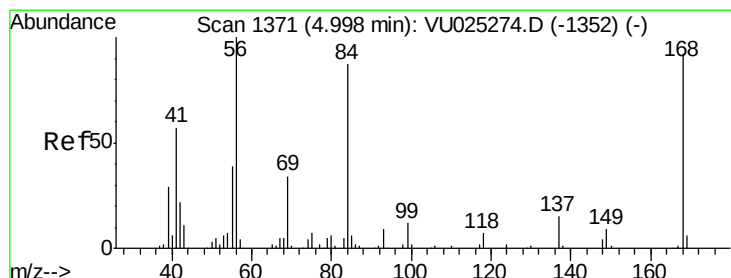
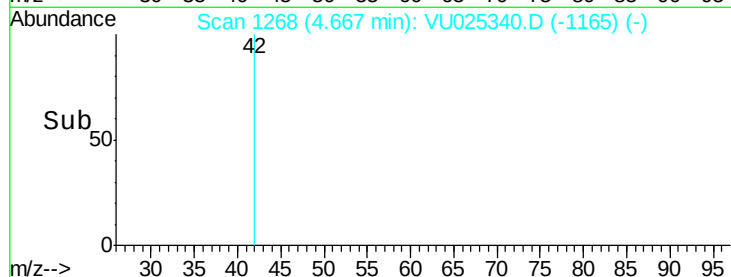
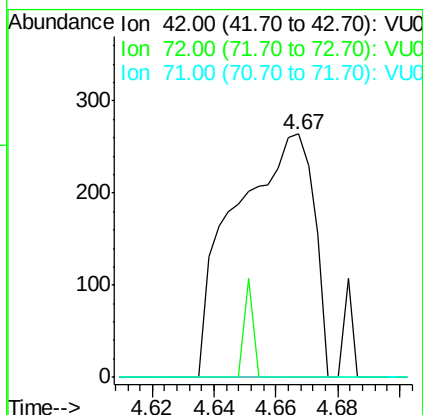
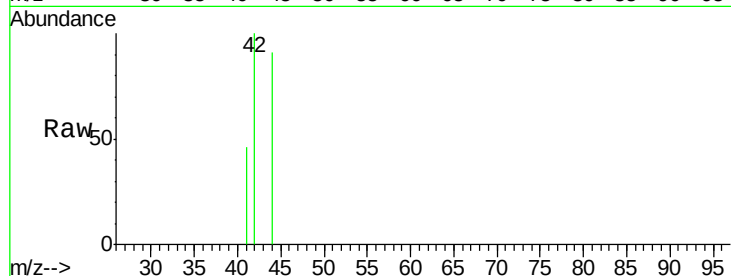
Tot Ion: 42 Resp: 466

Ion Ratio Lower Upper

42 100

72 4.5 36.7 55.1#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 1.70 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

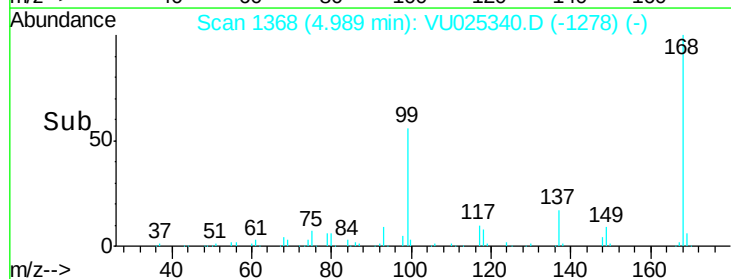
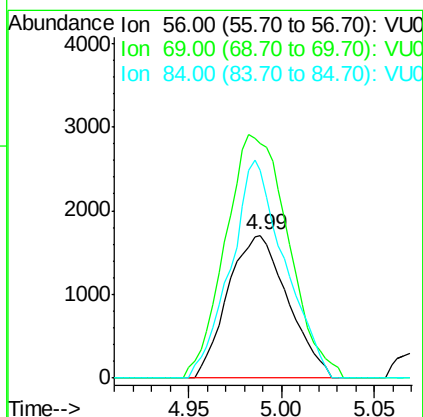
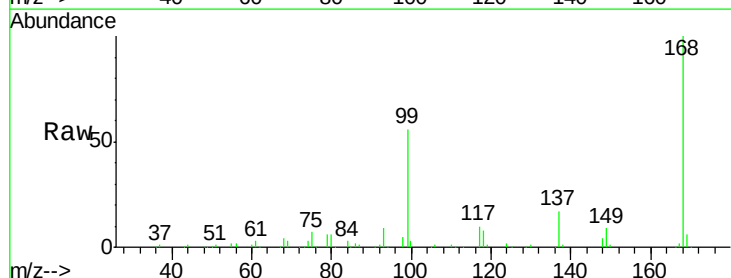
Tgt Ion: 56 Resp: 3835

Ion Ratio Lower Upper

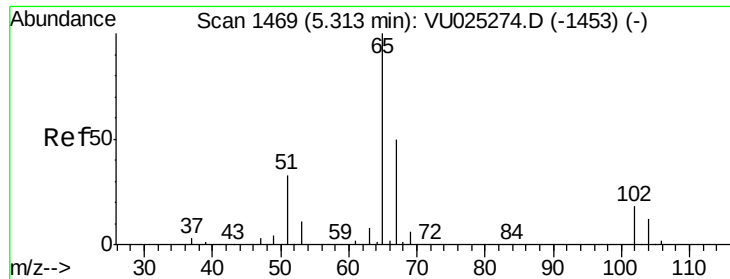
56 100

69 156.7 26.8 40.2#

84 145.1 69.7 104.5#



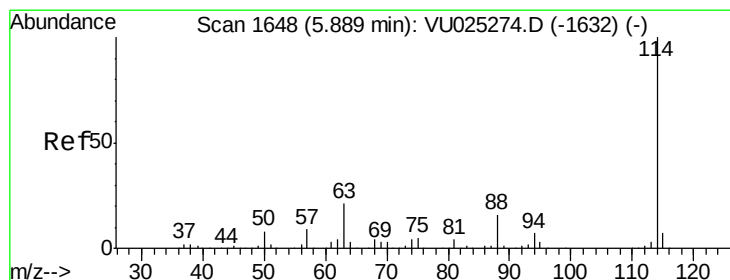
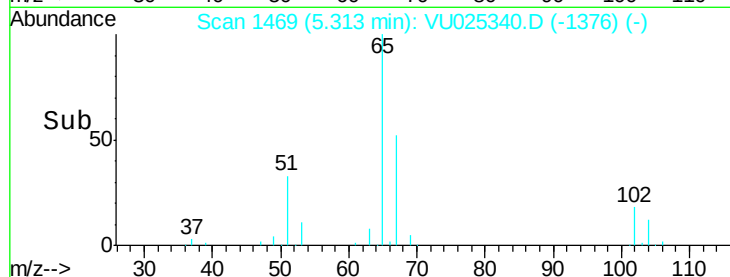
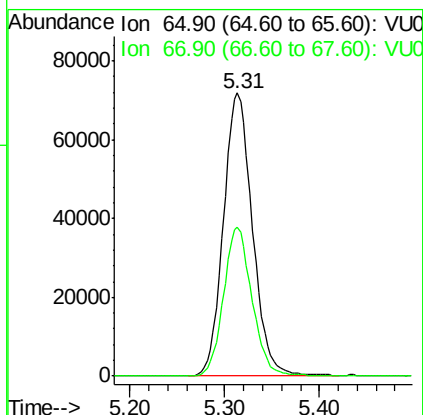
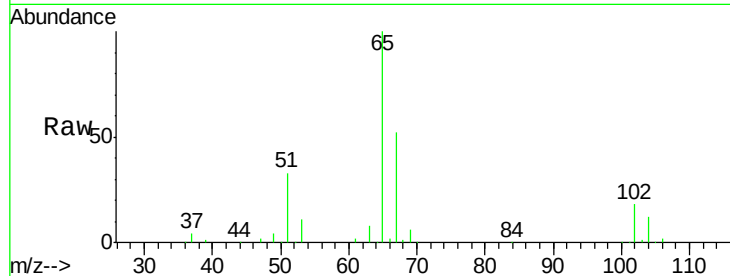




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.22 ug/l  
 RT: 5.31 min Scan# 1469  
 Delta R.T. 0.00 min  
 Lab File: VU025340.D  
 Acq: 12 Jul 2018 15:30

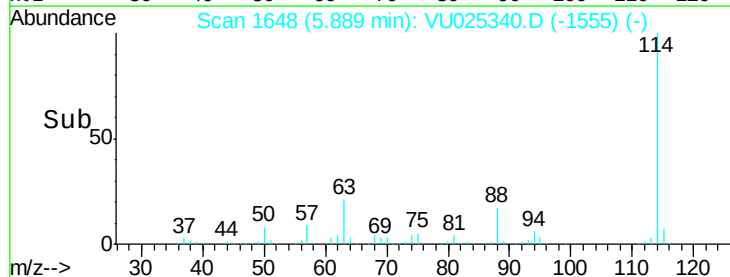
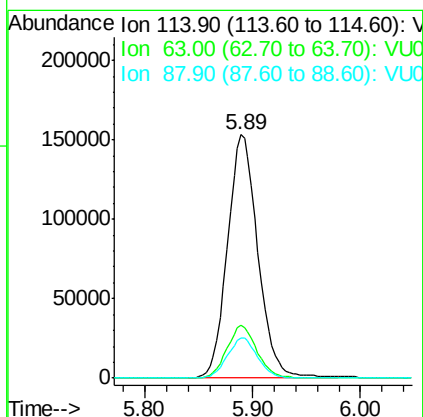
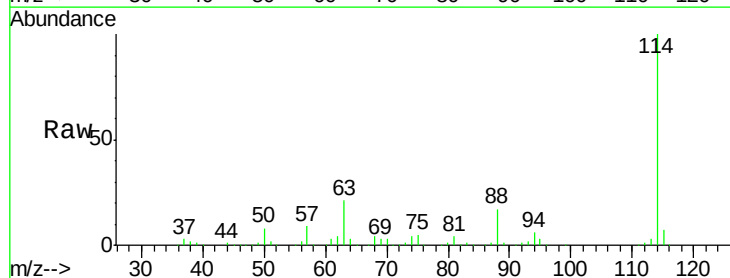
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SS037MW036-180709DL

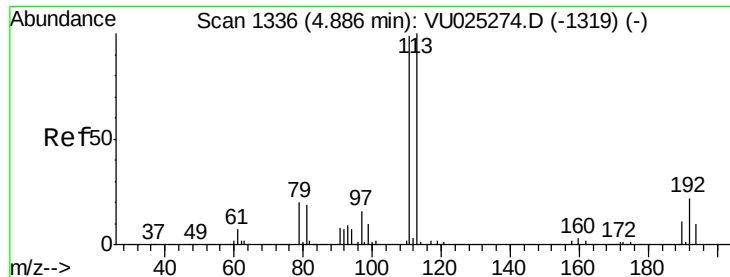
Tot Ion: 65 Resp: 153314  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1648  
 Delta R.T. 0.00 min  
 Lab File: VU025340.D  
 Acq: 12 Jul 2018 15:30

Tgt Ion: 114 Resp: 300685  
 Ion Ratio Lower Upper  
 114 100  
 63 21.5 0.0 41.6  
 88 16.6 0.0 32.4

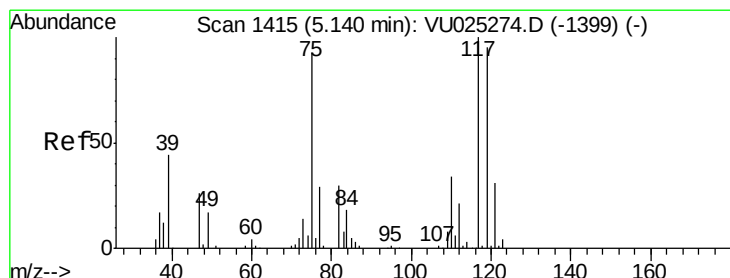
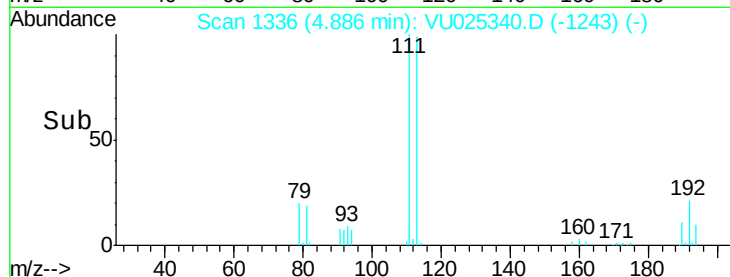
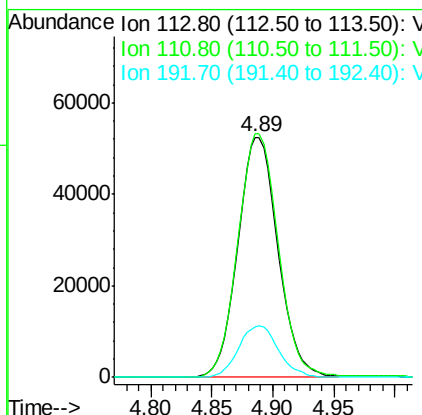
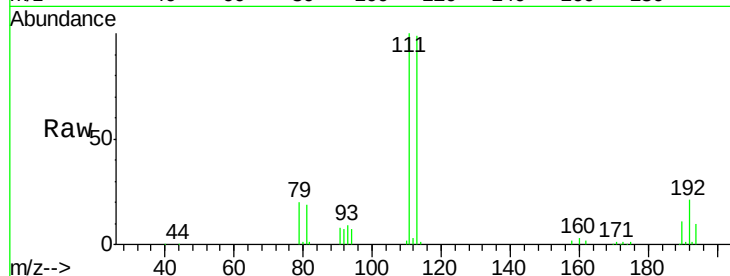




#35  
 Dibromofluoromethane  
 Concen: 46.99 ug/l  
 RT: 4.89 min Scan# 1336  
 Delta R.T. 0.00 min  
 Lab File: VU025340.D  
 Acq: 12 Jul 2018 15:30

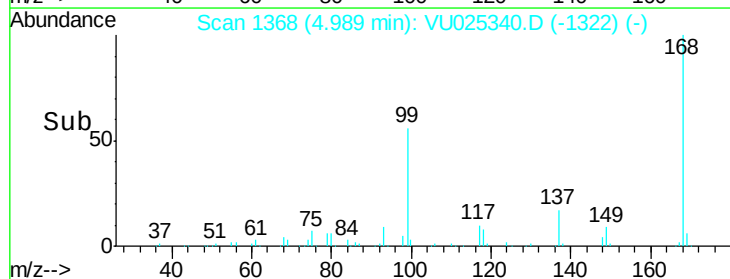
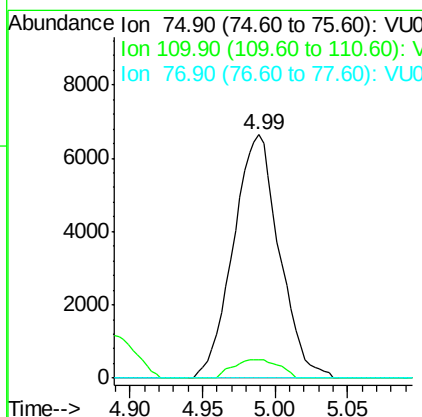
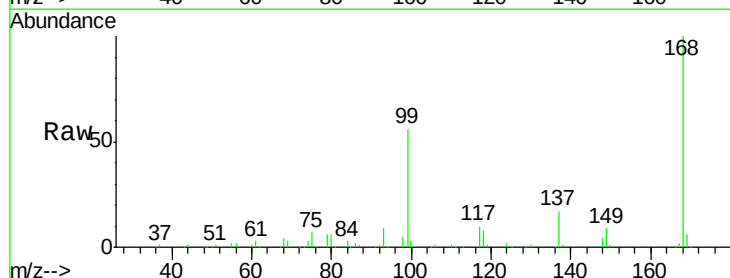
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SS037MW036-180709DL

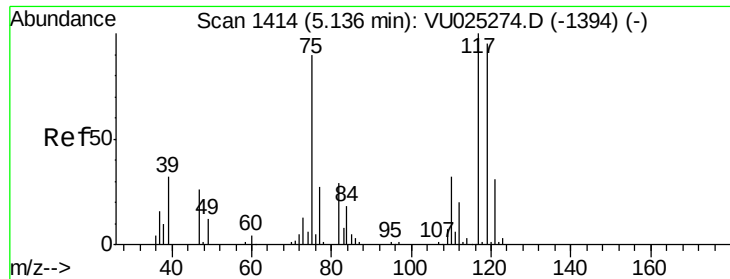
Tot Ion:113 Resp: 119187  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 81.7 122.5  
 192 21.5 17.1 25.7



#36  
 1,1-Dichloropropene  
 Concen: 4.38 ug/l  
 RT: 4.99 min Scan# 1368  
 Delta R.T. -0.15 min  
 Lab File: VU025340.D  
 Acq: 12 Jul 2018 15:30

Tgt Ion: 75 Resp: 14638  
 Ion Ratio Lower Upper  
 75 100  
 110 7.5 17.6 52.9#  
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.57 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

SS037MW036-180709DL

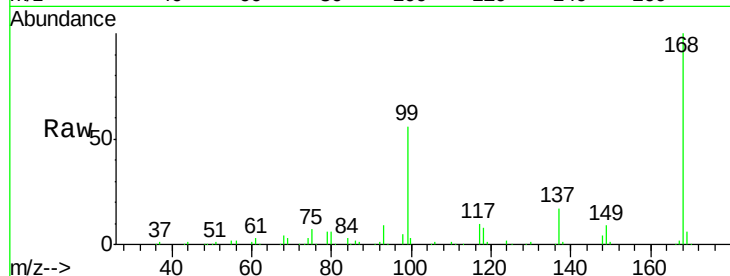
Tot Ion:117 Resp: 20045

Ion Ratio Lower Upper

117 100

119 5.2 75.7 113.5#

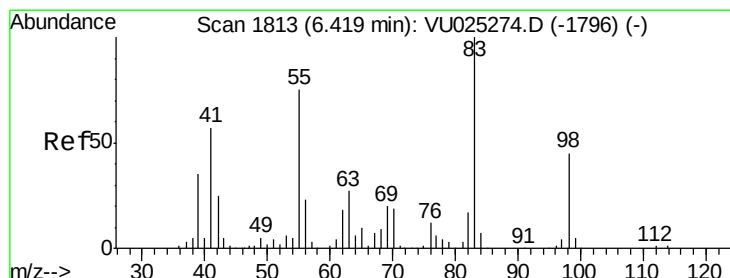
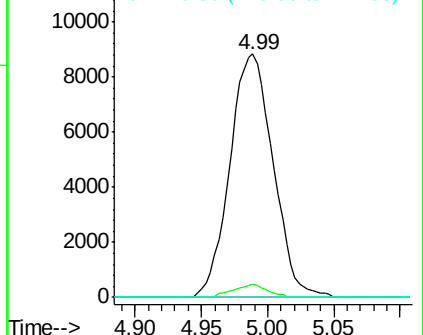
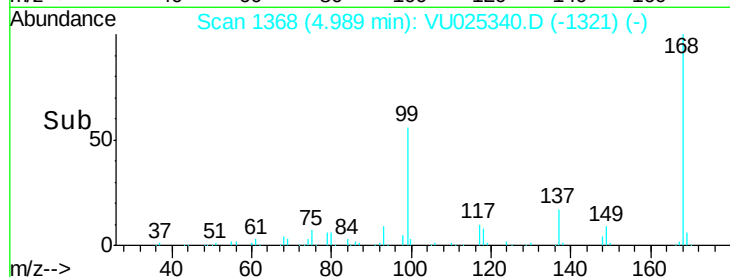
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.23 ug/l

RT: 6.39 min Scan# 1805

Delta R.T. -0.03 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

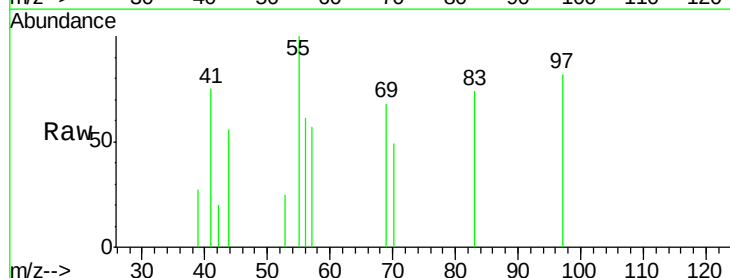
Tgt Ion: 83 Resp: 974

Ion Ratio Lower Upper

83 100

55 135.2 60.0 90.0#

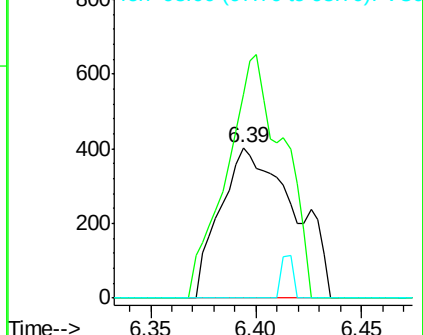
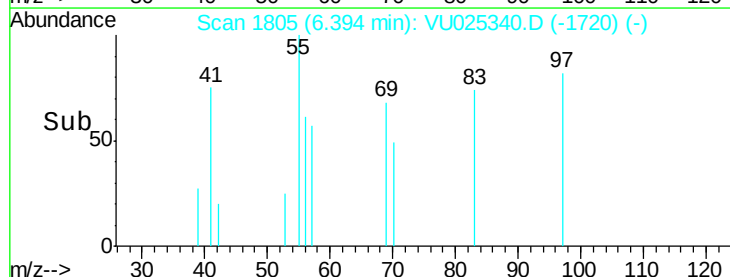
98 0.0 36.1 54.1#

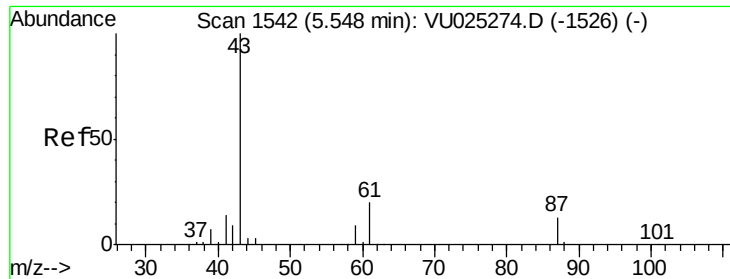


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#43

Isopropyl Acetate

Concen: 0.54 ug/l

RT: 5.54 min Scan# 1538

Delta R.T. -0.01 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

SS037MW036-180709DL

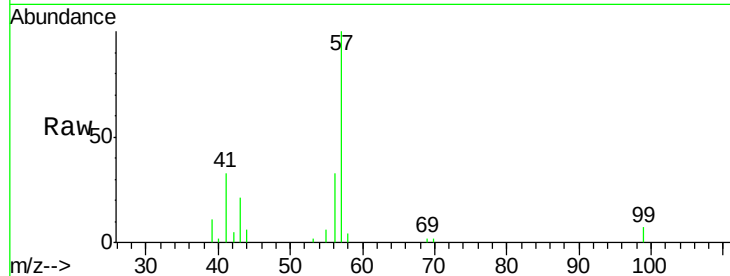
Tot Ion: 43 Resp: 3224

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

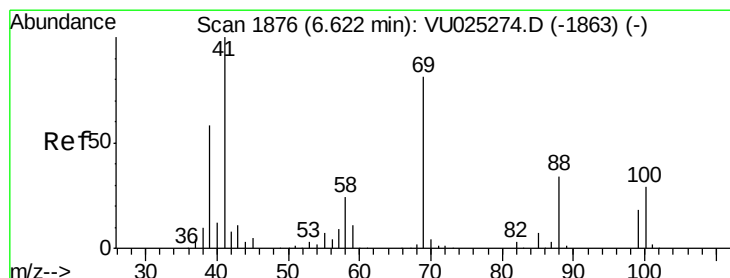
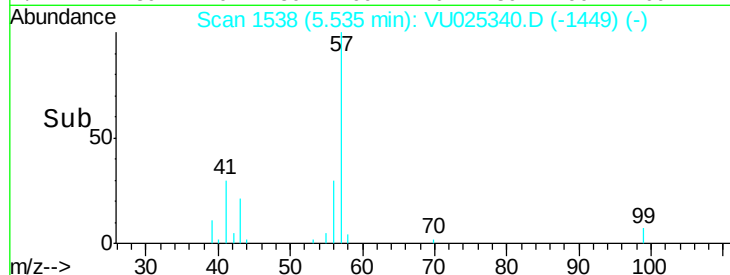
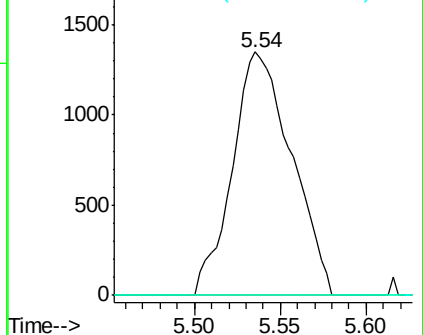
87 0.0 10.6 16.0#



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



#48

Methyl methacrylate

Concen: 0.37 ug/l

RT: 6.59 min Scan# 1866

Delta R.T. -0.03 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

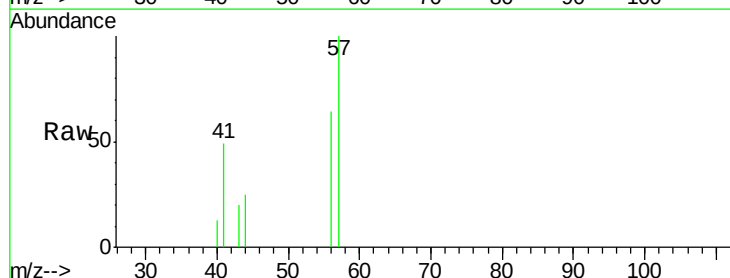
Tgt Ion: 41 Resp: 1099

Ion Ratio Lower Upper

41 100

69 0.0 65.0 97.4#

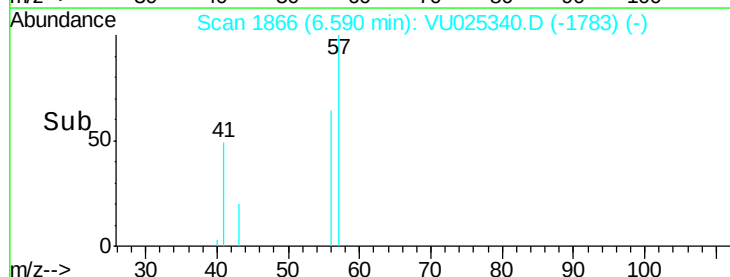
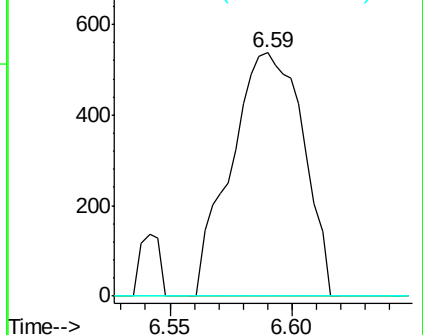
39 0.0 46.4 69.6#

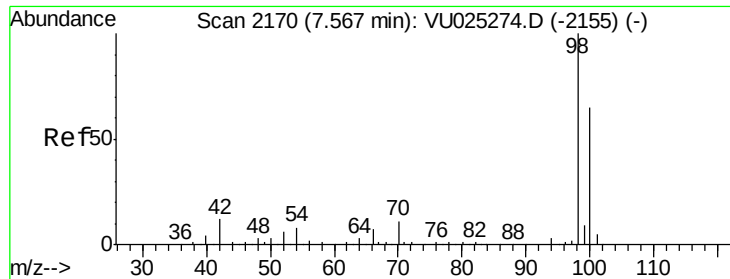


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#50

Toluene-d8

Concen: 50.46 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

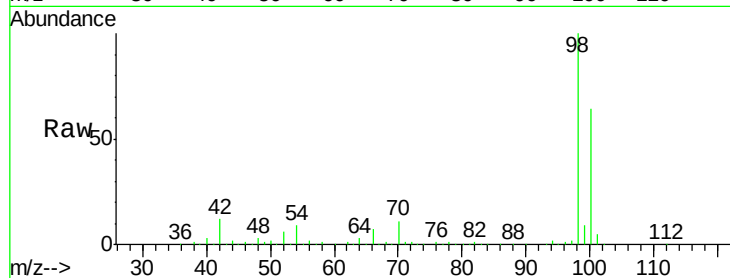
SS037MW036-180709DL

Tot Ion: 98 Resp: 438256

Ion Ratio Lower Upper

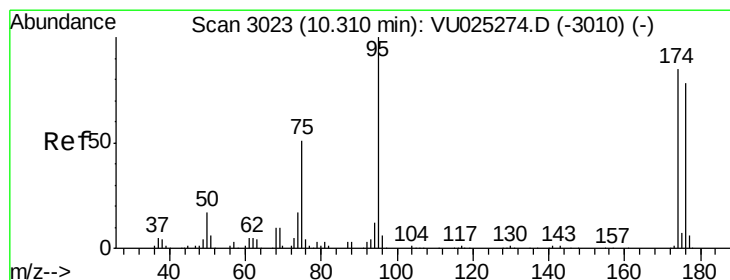
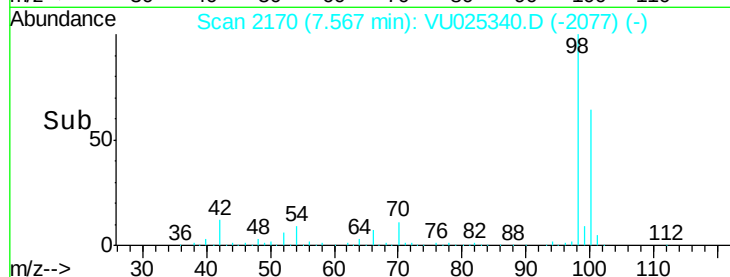
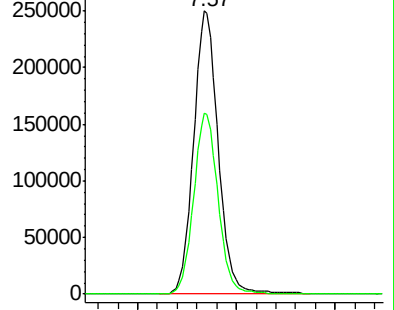
98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025274.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025274.D (-2155) (-)



#62

4-Bromofluorobenzene

Concen: 45.57 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

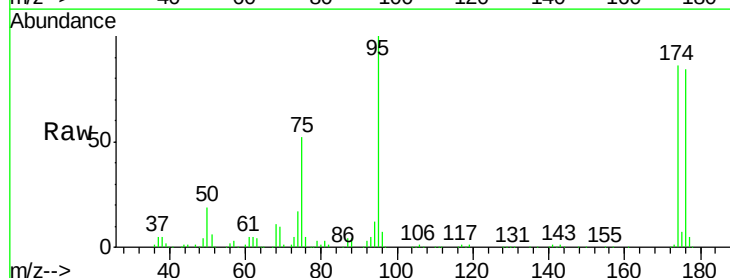
Tgt Ion: 95 Resp: 159361

Ion Ratio Lower Upper

95 100

174 86.4 0.0 172.2

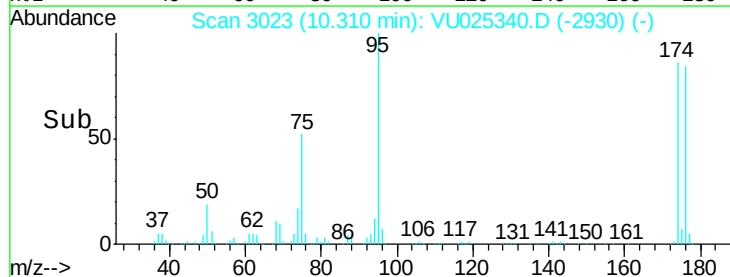
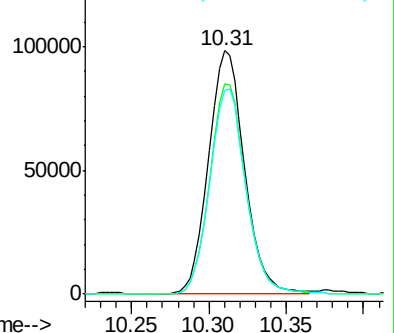
176 84.9 0.0 162.6

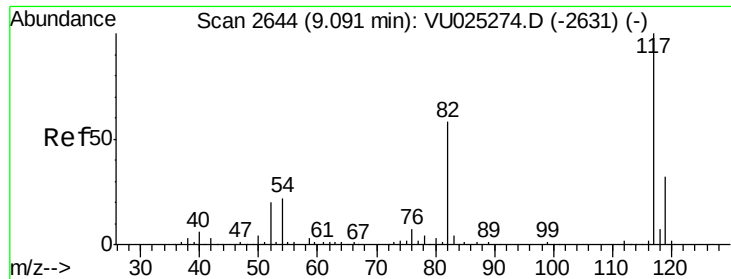


Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)

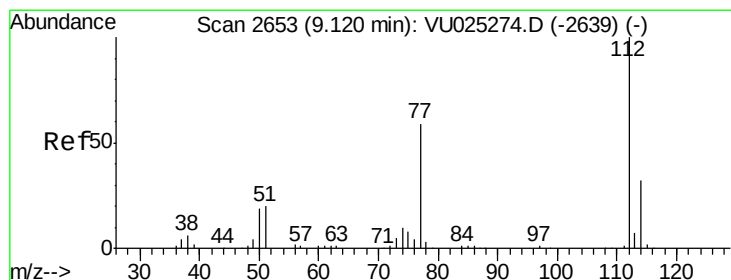
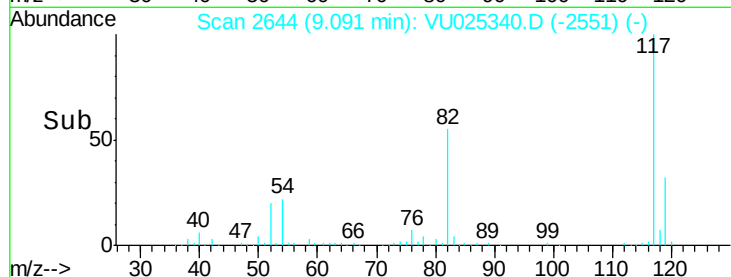
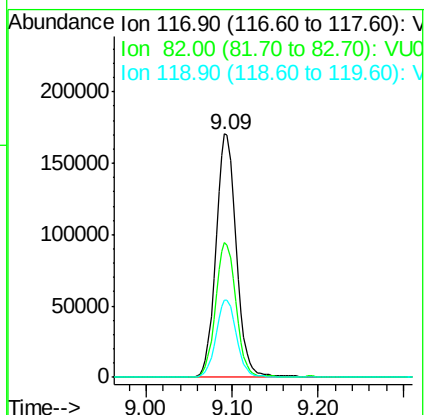
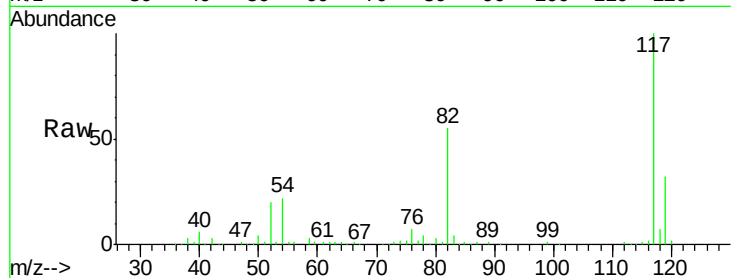




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VU025340.D  
Acq: 12 Jul 2018 15:30

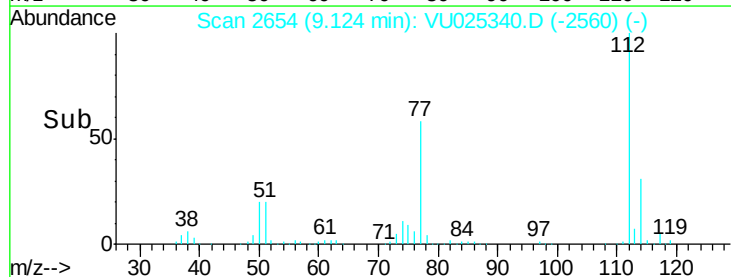
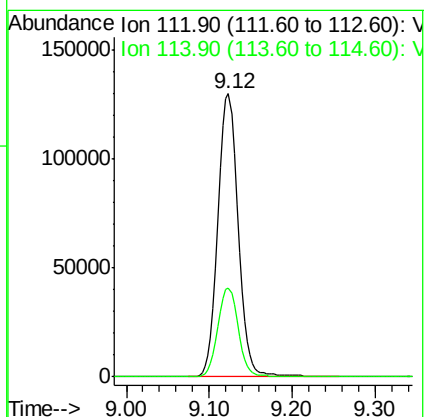
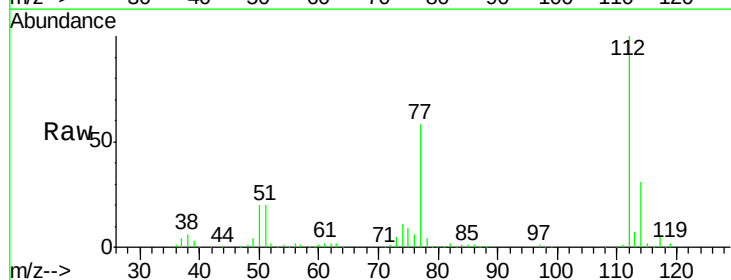
Instrument :  
MSVOA\_U  
ClientSampleId :  
SS037MW036-180709DL

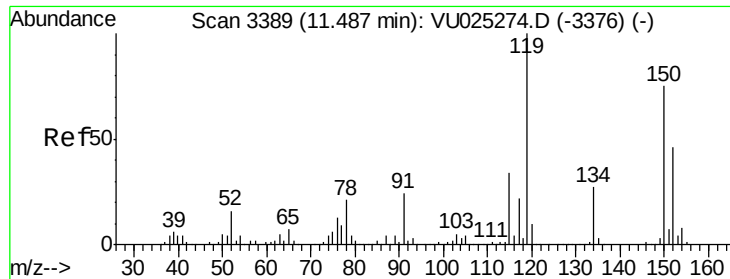
Tot Ion:117 Resp: 282427  
Ion Ratio Lower Upper  
117 100  
82 55.2 46.0 69.0  
119 31.7 26.0 39.0



#65  
Chlorobenzene  
Concen: 31.16 ug/l  
RT: 9.12 min Scan# 2654  
Delta R.T. 0.00 min  
Lab File: VU025340.D  
Acq: 12 Jul 2018 15:30

Tgt Ion:112 Resp: 219842  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

SS037MW036-180709DL

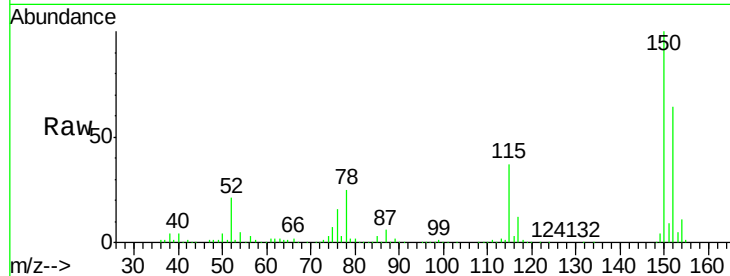
Tot Ion:152 Resp: 147793

Ion Ratio Lower Upper

152 100

115 57.4 40.1 120.3

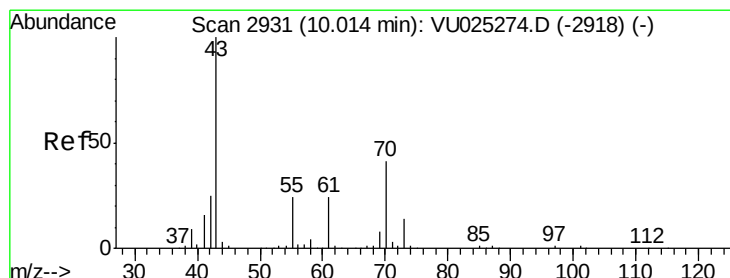
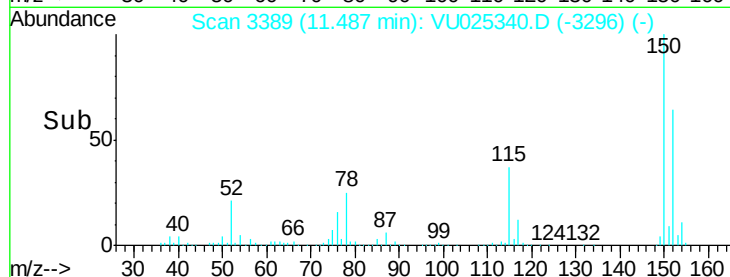
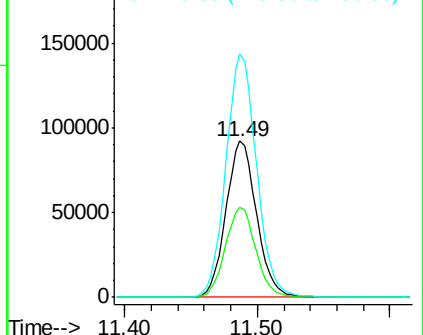
150 156.1 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-amyl acetate

Concen: 1.36 ug/l

RT: 10.02 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Tgt Ion: 43 Resp: 434

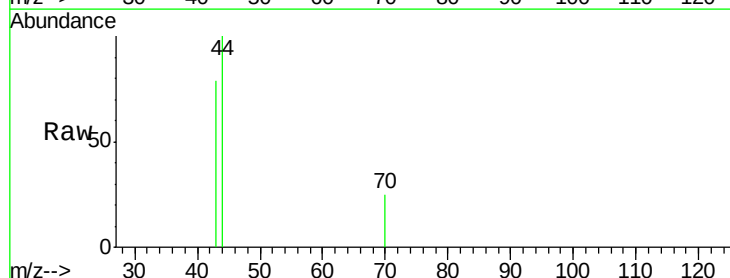
Ion Ratio Lower Upper

43 100

70 16.1 33.4 50.2#

55 0.0 19.0 28.6#

61 0.0 19.3 28.9#

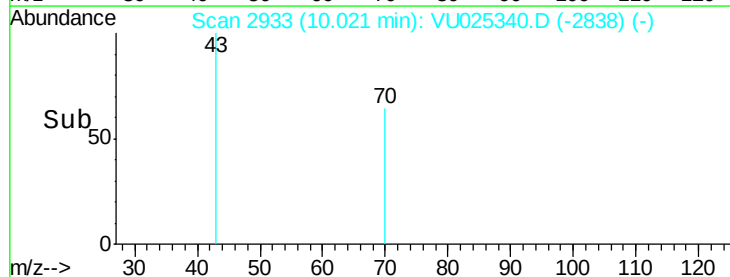
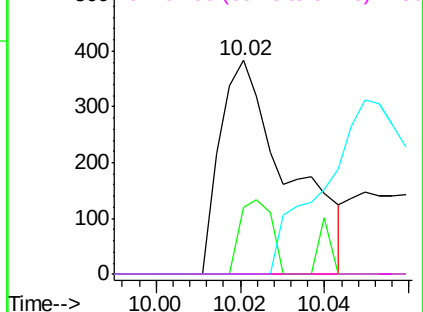


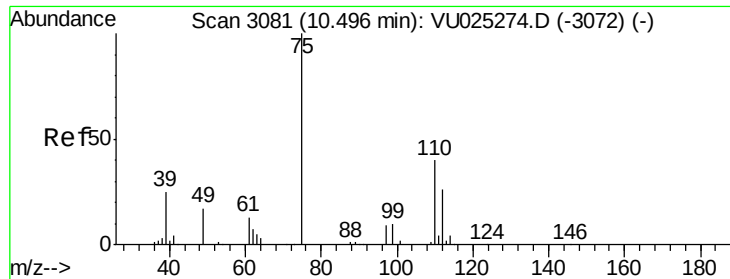
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#76

1,2,3-Trichloropropane

Concen: 27.89 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

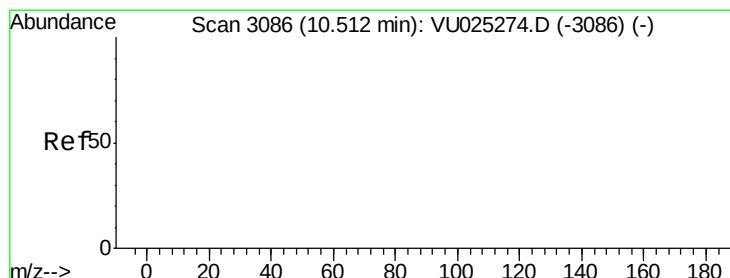
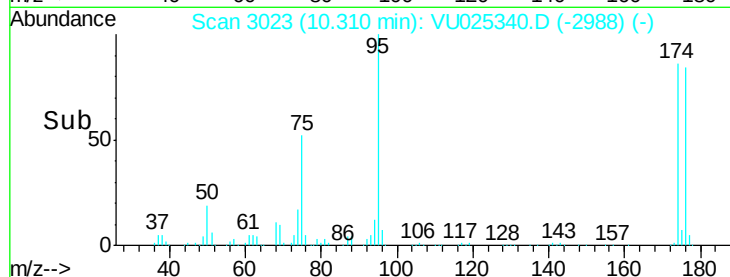
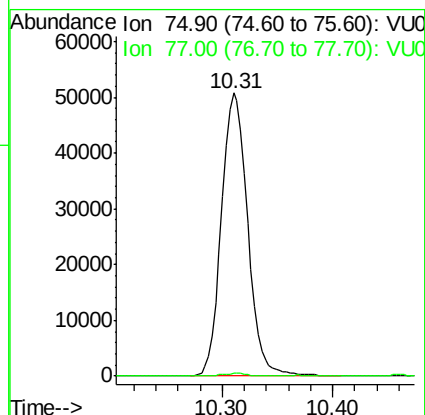
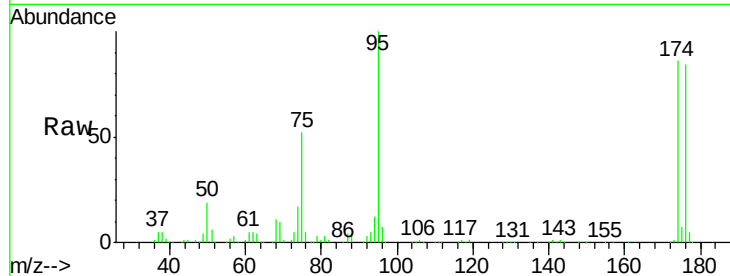
SS037MW036-180709DL

Tot Ion: 75 Resp: 83867

Ion Ratio Lower Upper

75 100

77 0.8 20.4 61.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.23 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

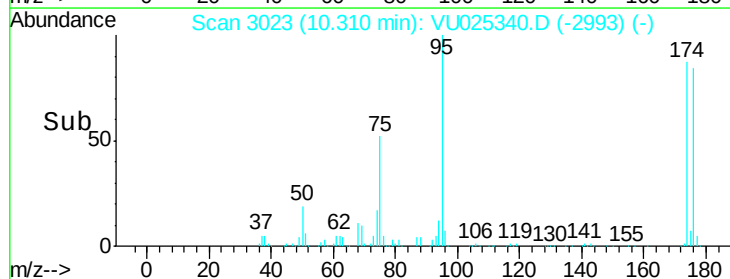
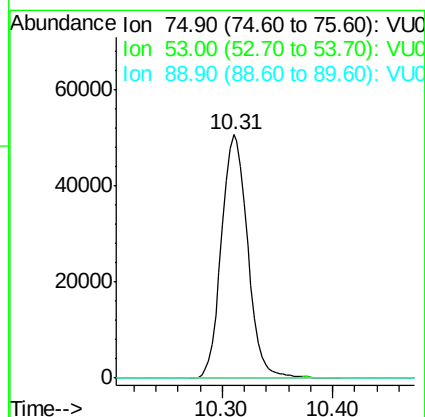
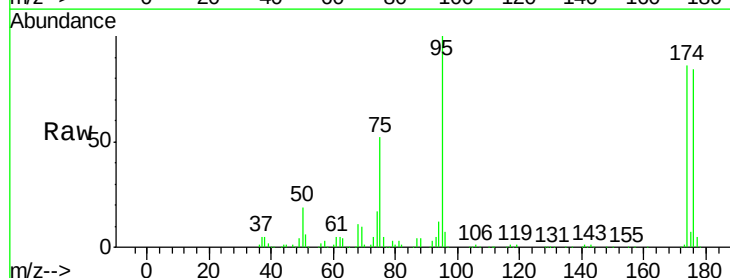
Tgt Ion: 75 Resp: 83867

Ion Ratio Lower Upper

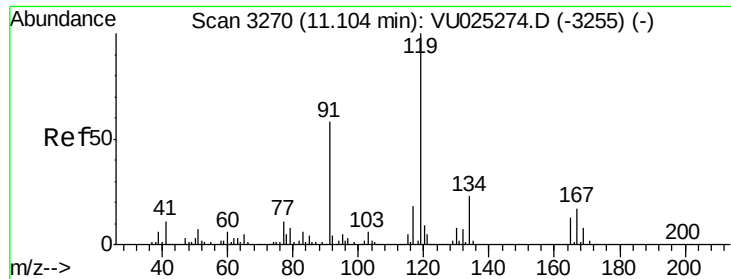
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



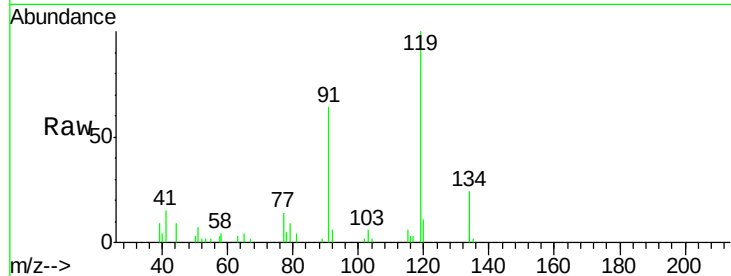




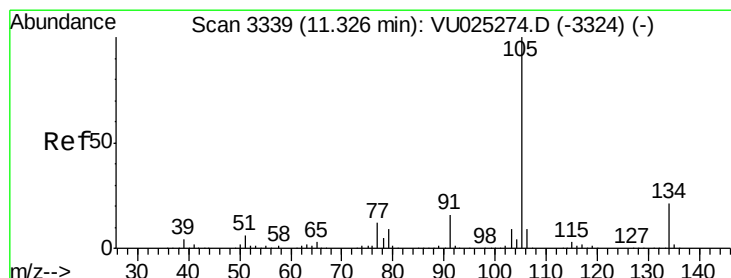
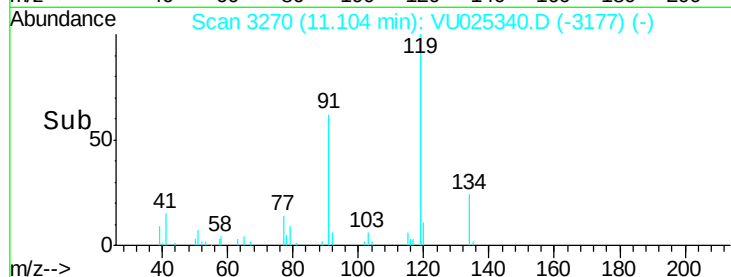
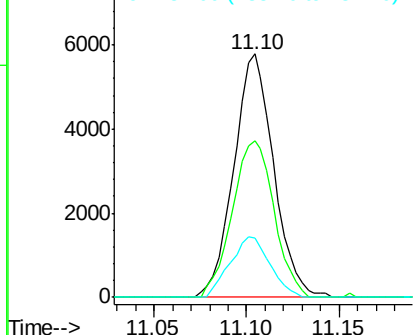
#83  
tert-Butylbenzene  
Concen: 0.90 ug/l  
RT: 11.10 min Scan# 3270  
Delta R.T. 0.00 min  
Lab File: VU025340.D  
Acq: 12 Jul 2018 15:30

Instrument :  
MSVOA\_U  
ClientSampleId :  
SS037MW036-180709DL

Tot Ion:119 Resp: 8612  
Ion Ratio Lower Upper  
119 100  
91 67.5 29.7 89.1  
134 24.8 11.5 34.5

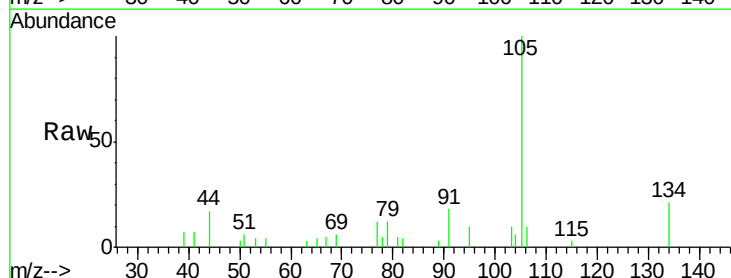


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

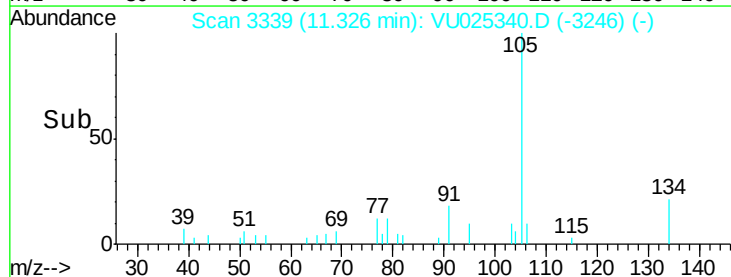
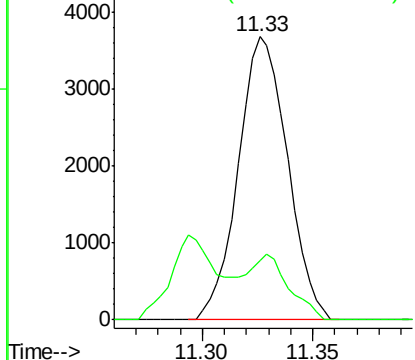


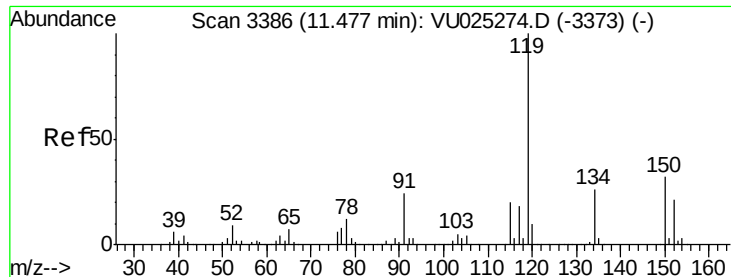
#85  
sec-Butylbenzene  
Concen: 0.50 ug/l  
RT: 11.33 min Scan# 3339  
Delta R.T. 0.00 min  
Lab File: VU025340.D  
Acq: 12 Jul 2018 15:30

Tgt Ion:105 Resp: 5703  
Ion Ratio Lower Upper  
105 100  
134 18.9 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 134.00 (133.70 to 134.70): V

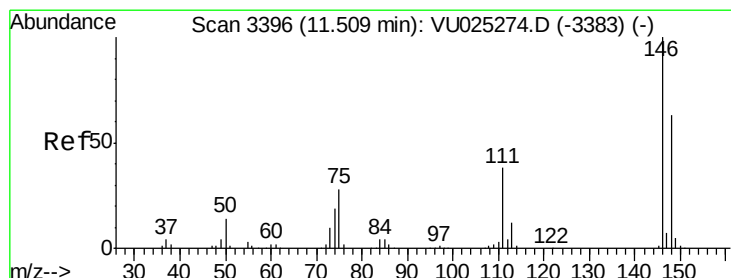
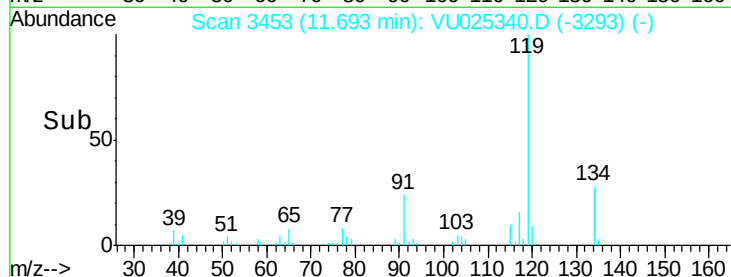
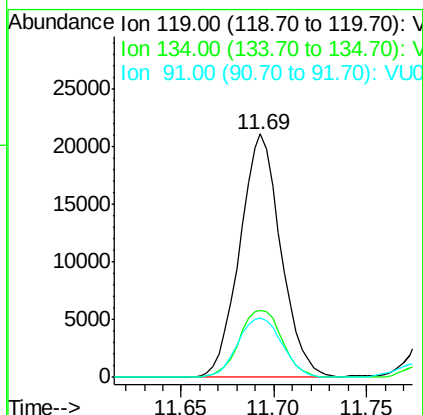
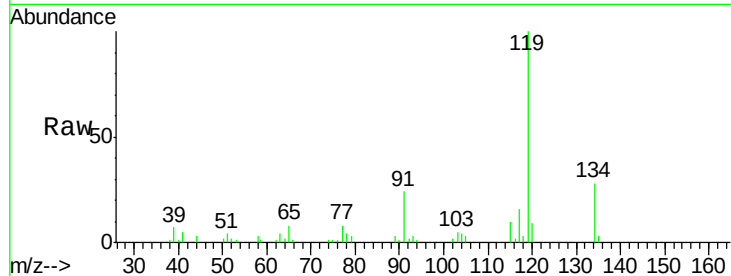




#86  
 p-Isopropyltoluene  
 Concen: 3.24 ug/l  
 RT: 11.69 min Scan# 3453  
 Delta R.T. 0.22 min  
 Lab File: VU025340.D  
 Acq: 12 Jul 2018 15:30

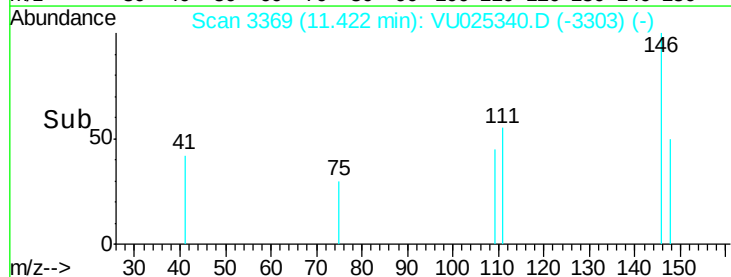
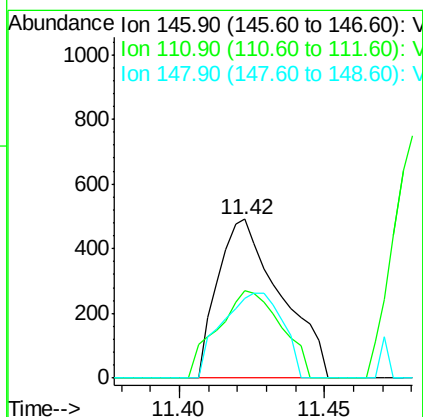
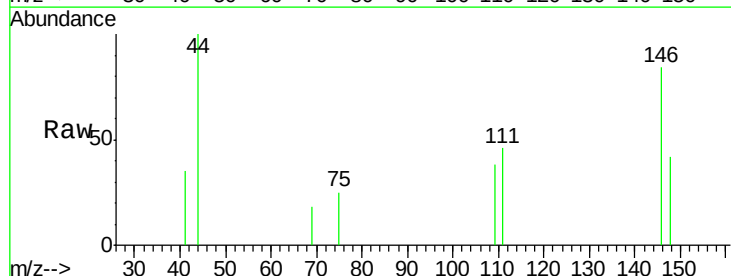
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SS037MW036-180709DL

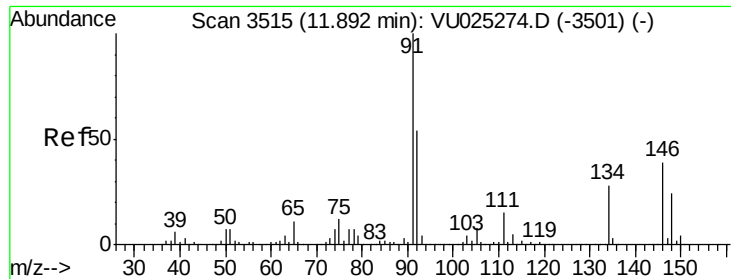
Tot Ion:119 Resp: 32412  
 Ion Ratio Lower Upper  
 119 100  
 134 29.0 13.2 39.5  
 91 26.2 12.0 36.1



#88  
 1,4-Dichlorobenzene  
 Concen: 1.63 ug/l  
 RT: 11.42 min Scan# 3369  
 Delta R.T. -0.09 min  
 Lab File: VU025340.D  
 Acq: 12 Jul 2018 15:30

Tgt Ion:146 Resp: 738  
 Ion Ratio Lower Upper  
 146 100  
 111 55.8 19.4 58.1  
 148 51.9 31.7 95.1





#89

n-Butylbenzene

Concen: 0.30 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

SS037MW036-180709DL

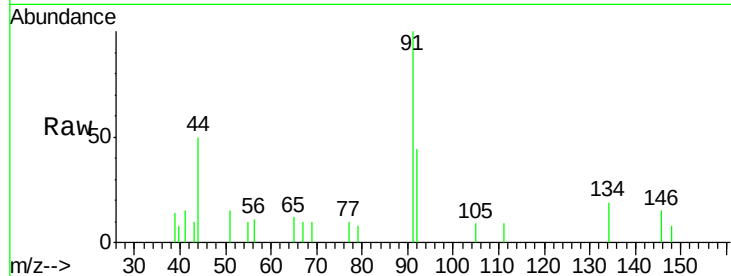
Tot Ion: 91 Resp: 2492

Ion Ratio Lower Upper

91 100

92 35.9 26.5 79.5

134 30.0 13.6 40.7

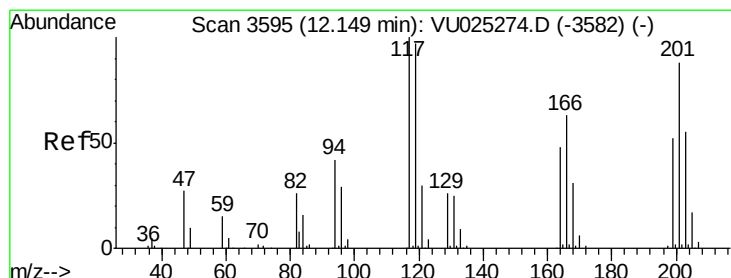
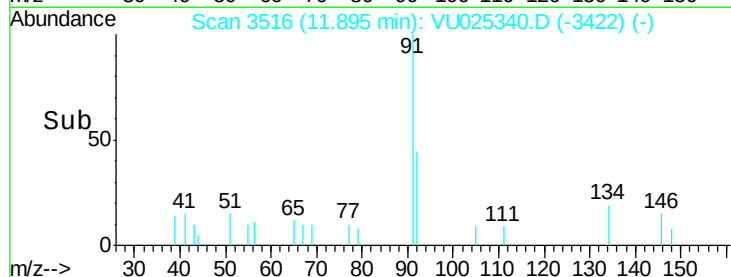


Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3501) (-)

Ion 92.00 (91.70 to 92.70): VU025274.D (-3501) (-)

Ion 134.00 (133.70 to 134.70): VU025274.D (-3501) (-)

Time-->



#90

Hexachloroethane

Concen: 2.47 ug/l

RT: 12.29 min Scan# 3638

Delta R.T. 0.14 min

Lab File: VU025340.D

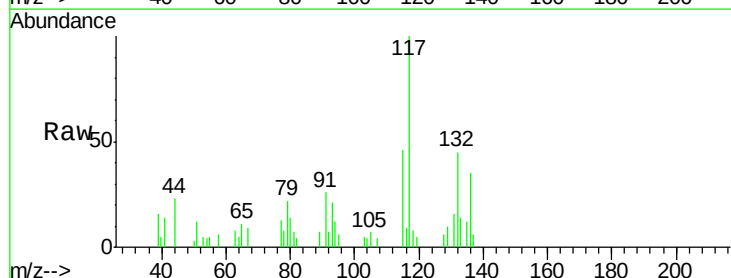
Acq: 12 Jul 2018 15:30

Tgt Ion: 117 Resp: 4195

Ion Ratio Lower Upper

117 100

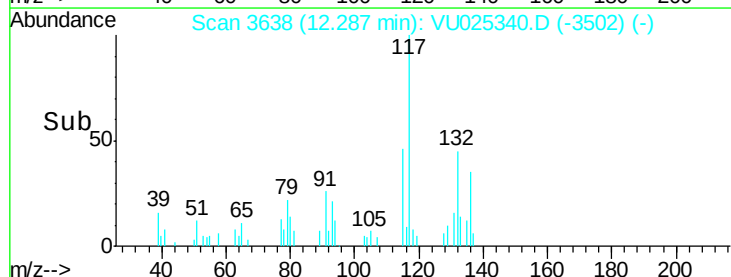
201 0.0 42.5 127.6#

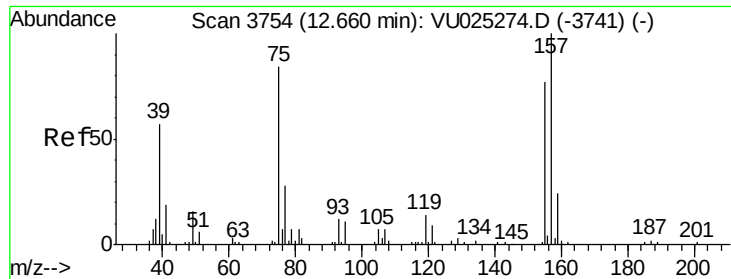


Abundance Ion 116.80 (116.50 to 117.50): VU025274.D (-3582) (-)

Ion 200.70 (200.40 to 201.40): VU025274.D (-3582) (-)

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

RT: 12.54 min Scan# 3716

Delta R.T. -0.12 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

SS037MW036-180709DL

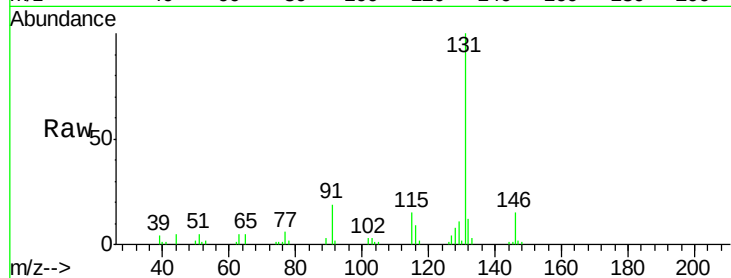
Tot Ion: 75 Resp: 185

Ion Ratio Lower Upper

75 100

155 0.0 44.5 133.3#

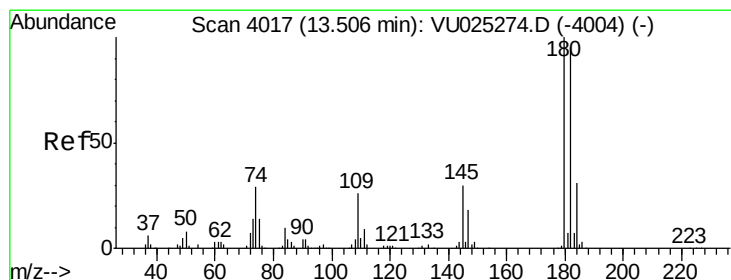
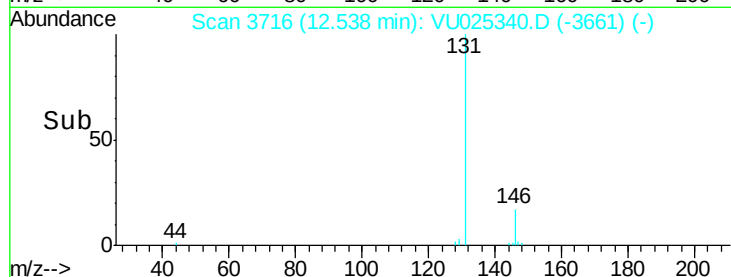
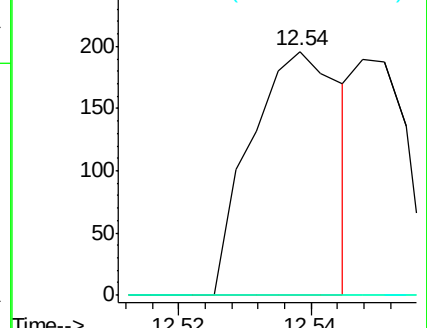
157 0.0 57.0 170.8#



Abundance Ion 74.90 (74.60 to 75.60): VU025274.D (-3741) (-)

Ion 154.80 (154.50 to 155.50): VU025274.D (-3741) (-)

Ion 156.80 (156.50 to 157.50): VU025274.D (-3741) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.64 ug/l

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

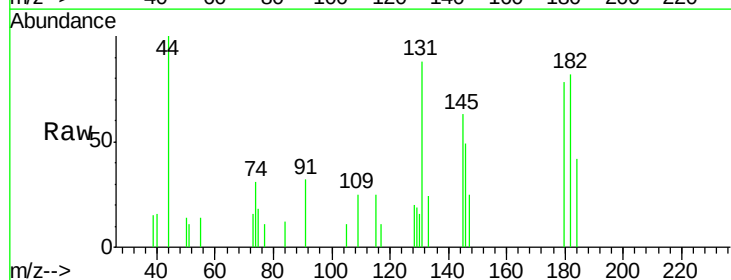
Tgt Ion: 180 Resp: 1367

Ion Ratio Lower Upper

180 100

182 94.8 47.3 141.9

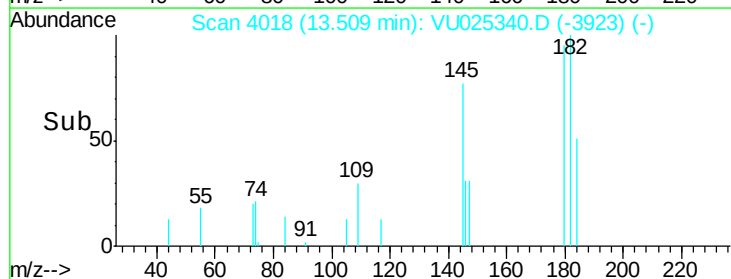
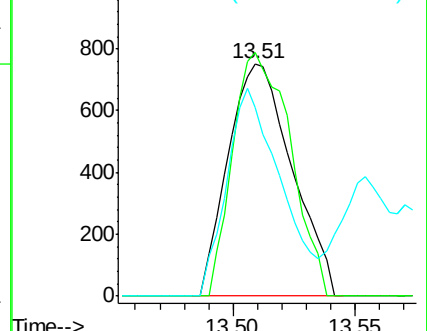
145 75.9 14.9 44.7#

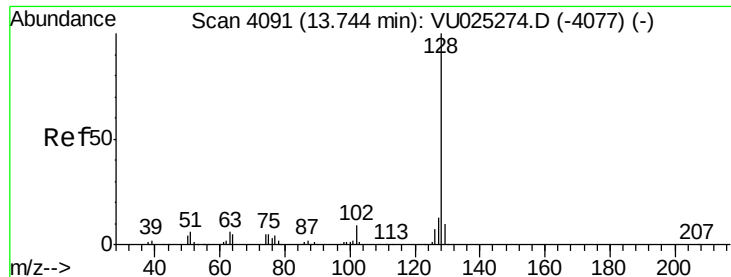


Abundance Ion 179.80 (179.50 to 180.50): VU025274.D (-4004) (-)

Ion 181.80 (181.50 to 182.50): VU025274.D (-4004) (-)

Ion 144.80 (144.50 to 145.50): VU025274.D (-4004) (-)





#95

Naphthalene

Concen: 3.23 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

Instrument :

MSVOA\_U

ClientSampleId :

SS037MW036-180709DL

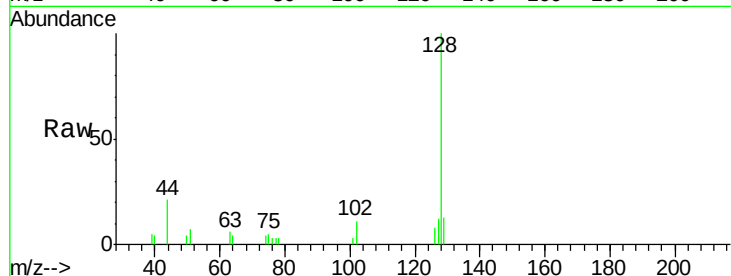
Tot Ion:128 Resp: 9344

Ion Ratio Lower Upper

128 100

127 11.4 10.5 15.7

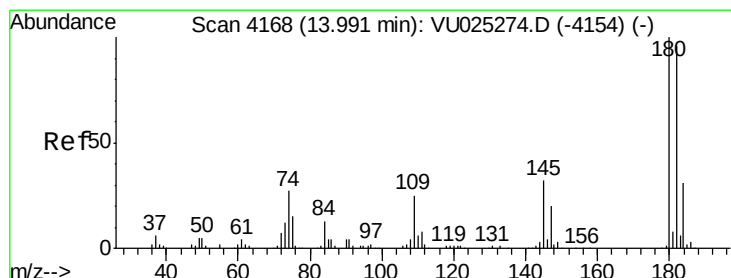
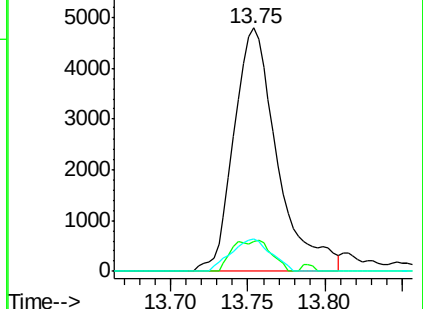
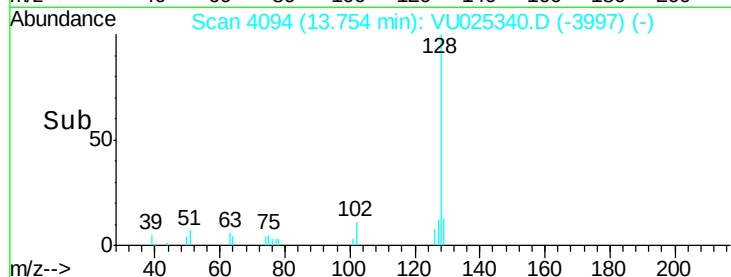
129 12.2 8.3 12.5



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: 3.03 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.00 min

Lab File: VU025340.D

Acq: 12 Jul 2018 15:30

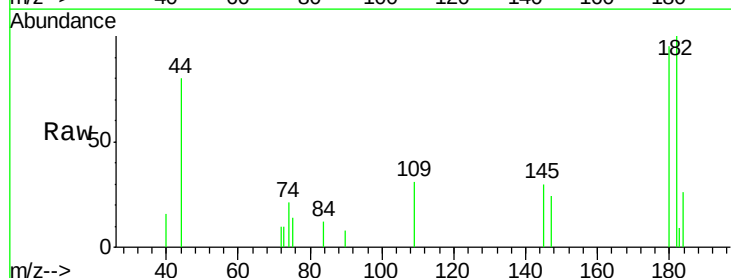
Tgt Ion:180 Resp: 1905

Ion Ratio Lower Upper

180 100

182 95.0 47.8 143.3

145 21.4 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

