

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\  
 Data File : VU027319.D  
 Acq On : 01 Oct 2018 13:22  
 Operator : MD/SY  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

Quant Time: Oct 02 07:20:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 122873   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 206215   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 192751   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 96889    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 5.31   | 65  | 90297    | 44.01 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 88.02% |      |
| 35) Dibromofluoromethane  | 4.88   | 113 | 64873    | 45.90 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 91.80% |      |
| 50) Toluene-d8            | 7.57   | 98  | 255415   | 48.29 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 96.58% |      |
| 62) 4-Bromofluorobenzene  | 10.31  | 95  | 93172    | 47.40 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 94.80% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 98423   | 55.560  | ug/l | 100    |
| 3) Chloromethane              | 1.33 | 50  | 122058  | 50.893  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 115822  | 51.374  | ug/l | 100    |
| 5) Bromomethane               | 1.61 | 94  | 46446   | 47.611  | ug/l | 99     |
| 6) Chloroethane               | 1.69 | 64  | 64820   | 47.847  | ug/l | 98     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 120322  | 52.600  | ug/l | 99     |
| 8) Diethyl Ether              | 2.10 | 74  | 51315   | 48.698  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 71508   | 53.828  | ug/l | 99     |
| 10) Methyl Iodide             | 2.41 | 142 | 46560   | 41.709  | ug/l | 100    |
| 11) Tert butyl alcohol        | 2.83 | 59  | 106384  | 246.221 | ug/l | 100    |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 67233   | 51.801  | ug/l | 100    |
| 13) Acrolein                  | 2.19 | 56  | 83599   | 230.587 | ug/l | 99     |
| 14) Allyl chloride            | 2.59 | 41  | 154817  | 50.231  | ug/l | 99     |
| 15) Acrylonitrile             | 2.94 | 53  | 281037  | 249.909 | ug/l | 99     |
| 16) Acetone                   | 2.32 | 43  | 281191  | 231.986 | ug/l | 100    |
| 17) Carbon Disulfide          | 2.48 | 76  | 232260  | 49.617  | ug/l | 100    |
| 18) Methyl Acetate            | 2.61 | 43  | 133774  | 48.379  | ug/l | 100    |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 264618  | 50.883  | ug/l | 99     |
| 20) Methylene Chloride        | 2.70 | 84  | 83422   | 49.409  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 75057   | 51.509  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.57 | 45  | 323990  | 51.719  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.52 | 43  | 1423356 | 260.176 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 162438  | 50.440  | ug/l | 100    |
| 25) 2-Butanone                | 4.26 | 43  | 414435  | 250.733 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 134113  | 50.682  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96  | 83827   | 50.304  | ug/l | 99     |
| 28) Bromochloromethane        | 4.55 | 49  | 76967   | 49.538  | ug/l | 100    |
| 29) Tetrahydrofuran           | 4.64 | 42  | 260438  | 250.019 | ug/l | 99     |
| 30) Chloroform                | 4.67 | 83  | 145530  | 50.863  | ug/l | 100    |
| 31) Cyclohexane               | 5.00 | 56  | 161500  | 49.073  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 123030  | 51.055  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 115328  | 51.508  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.38 | 43  | 144861  | 50.061  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.13 | 117 | 104959  | 51.895  | ug/l | 96     |

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 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICSVU100118

Quant Time: Oct 02 07:20:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc     | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|----------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 141243   | 53.965   | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 334988   | 51.363   | ug/l   | 100      |
| 41) Methacrylonitrile          | 4.54  | 41   | 84261    | 51.518   | ug/l   | 100      |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 124556   | 51.450   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 232627   | 51.761   | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 74650    | 51.331   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 98122    | 52.160   | ug/l   | 96       |
| 46) Dibromomethane             | 6.56  | 93   | 56258    | 52.951   | ug/l   | 99       |
| 47) Bromodichloromethane       | 6.76  | 83   | 114505   | 51.939   | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.62  | 41   | 118974   | 53.234   | ug/l   | 100      |
| 49) 1,4-Dioxane                | 6.61  | 88   | 43387    | 1128.288 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 762561   | 261.113  | ug/l   | 100      |
| 52) Toluene                    | 7.64  | 92   | 202648   | 52.495   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 137820   | 53.319   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 148446   | 53.422   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 79520    | 51.955   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 139509   | 47.707   | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 151716   | 51.061   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 387911   | 241.294  | ug/l   | 100      |
| 59) 2-Hexanone                 | 8.36  | 43   | 593969   | 262.187  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.48  | 129  | 81453    | 53.061   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 83907    | 51.561   | ug/l   | 100      |
| 64) Tetrachloroethene          | 8.23  | 164  | 63544    | 52.957   | ug/l   | 99       |
| 65) Chlorobenzene              | 9.12  | 112  | 209194   | 51.560   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 73398    | 52.403   | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 383517   | 53.353   | ug/l   | 100      |
| 68) m/p-Xylenes                | 9.38  | 106  | 286444   | 108.940  | ug/l   | 100      |
| 69) o-Xylene                   | 9.78  | 106  | 137653   | 55.090   | ug/l   | 99       |
| 70) Styrene                    | 9.79  | 104  | 230334   | 49.346   | ug/l   | 100      |
| 71) Bromoform                  | 9.96  | 173  | 58661    | 52.056   | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.17 | 105  | 374736   | 53.253   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.02 | 43   | 213037   | 52.882   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 137552   | 49.782   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 165467   | 65.881   | ug/l   | 82       |
| 77) Bromobenzene               | 10.45 | 156  | 83989    | 51.357   | ug/l   | 99       |
| 78) n-propylbenzene            | 10.59 | 91   | 459867   | 54.385   | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 264154   | 51.739   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 308797   | 53.900   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 165467   | 172.419  | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 307113   | 53.008   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 298346   | 53.867   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 319708   | 54.630   | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.32 | 105  | 383937   | 55.018   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 329679   | 55.177   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 158597   | 51.215   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 158863   | 50.202   | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 316190   | 49.873   | ug/l   | 100      |
| 90) Hexachloroethane           | 12.15 | 117  | 58311    | 51.775   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 157397   | 52.217   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 30947    | 50.536   | ug/l   | 99       |

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Sample : VSTDICV050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 10 Sample Multiplier: 1

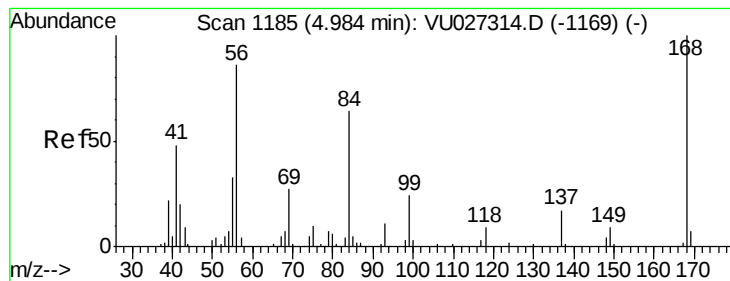
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

Quant Time: Oct 02 07:20:27 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 02:04:34 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 107594   | 55.164 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 52580    | 53.357 | ug/l  | 100      |
| 95) Naphthalene            | 13.74 | 128  | 359996   | 49.174 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 109941   | 54.105 | ug/l  | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

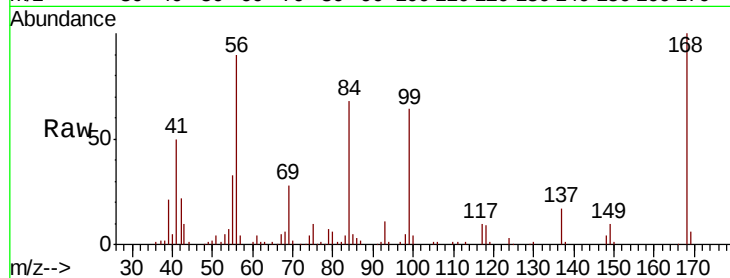
ICVVU100118

Tot Ion:168 Resp: 122873

Ion Ratio Lower Upper

168 100

99 62.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.98

60000

50000

40000

30000

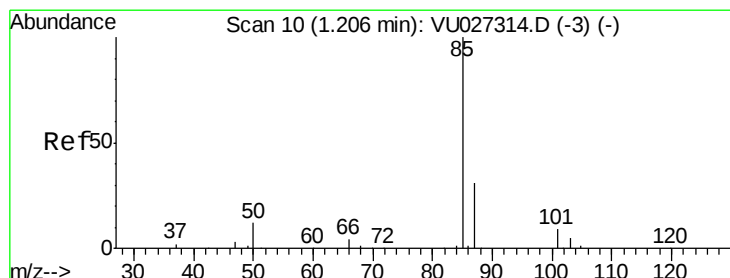
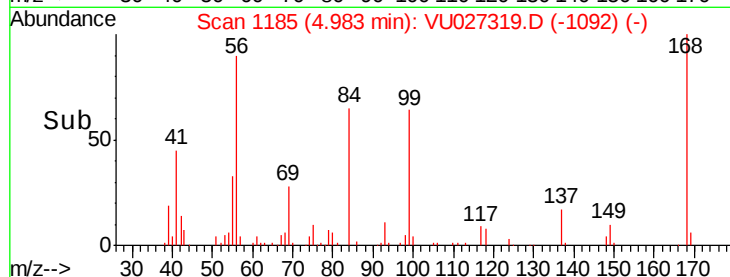
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 55.560 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027319.D

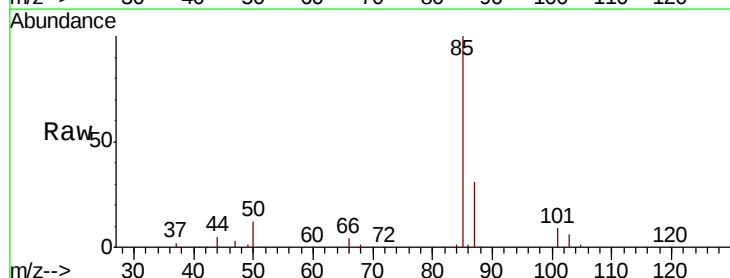
Acq: 01 Oct 2018 13:22

Tgt Ion: 85 Resp: 98423

Ion Ratio Lower Upper

85 100

87 31.1 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

100000

80000

60000

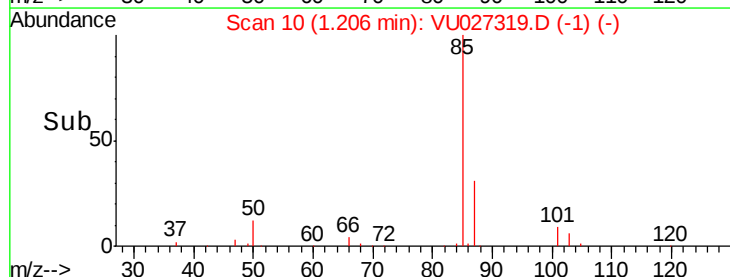
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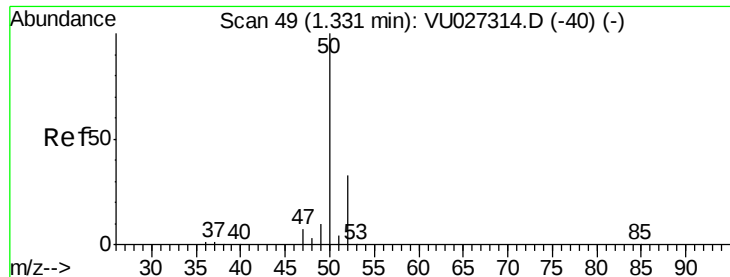
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 50.893 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

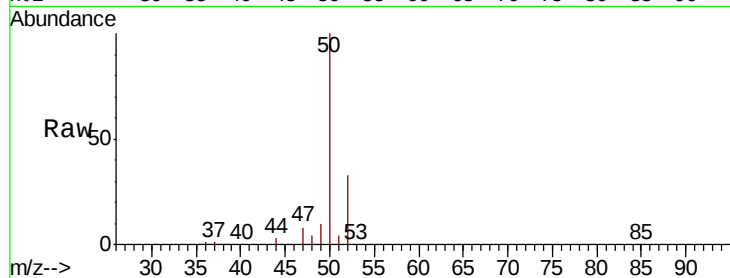
ICVVU100118

Tot Ion: 50 Resp: 122058

Ion Ratio Lower Upper

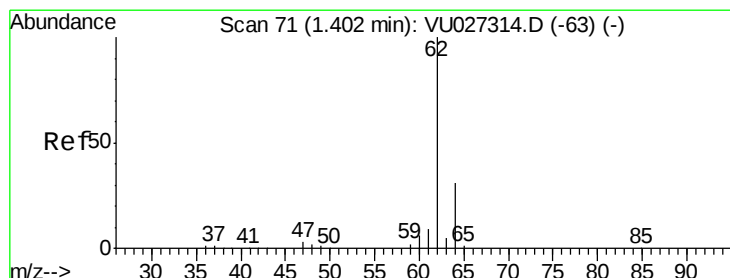
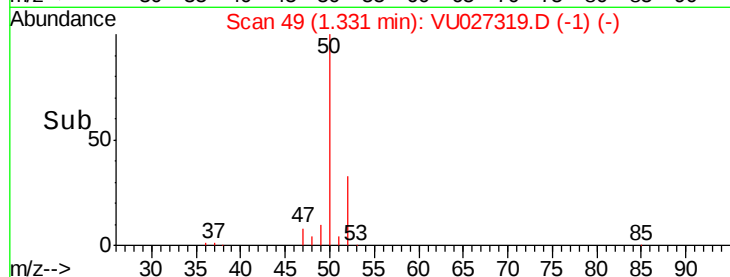
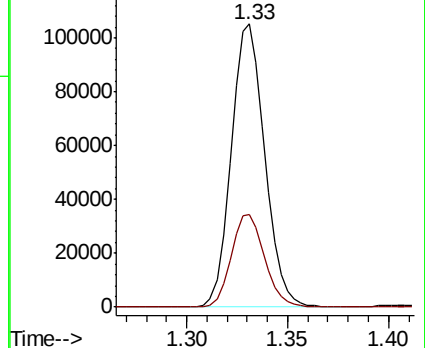
50 100

52 32.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 51.374 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027319.D

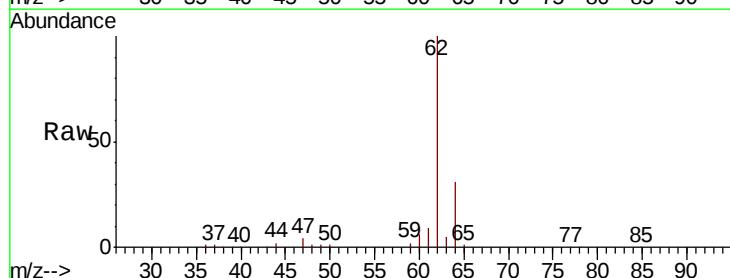
Acq: 01 Oct 2018 13:22

Tgt Ion: 62 Resp: 115822

Ion Ratio Lower Upper

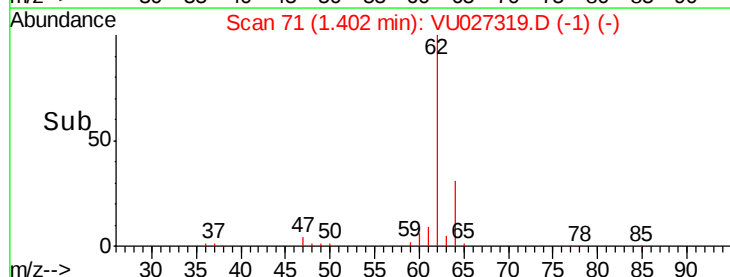
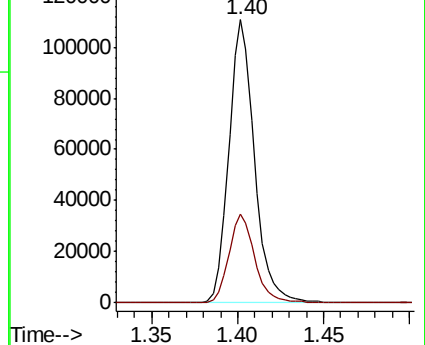
62 100

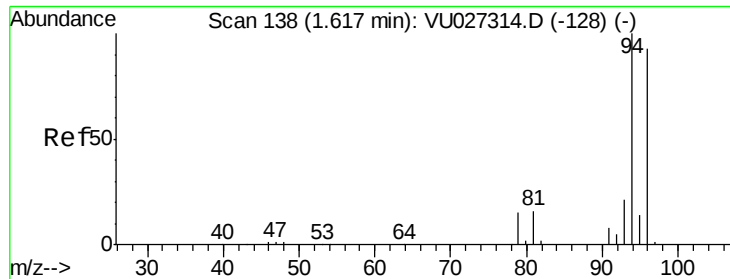
64 31.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 47.611 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

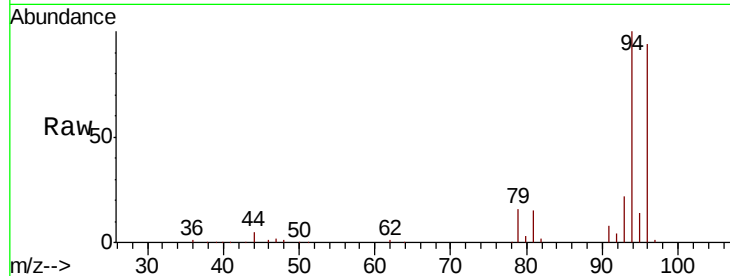
ICVVU100118

Tot Ion: 94 Resp: 46446

Ion Ratio Lower Upper

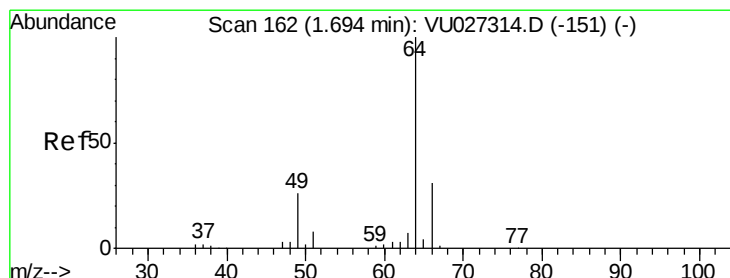
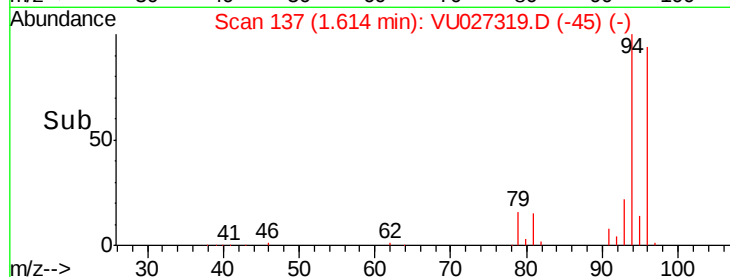
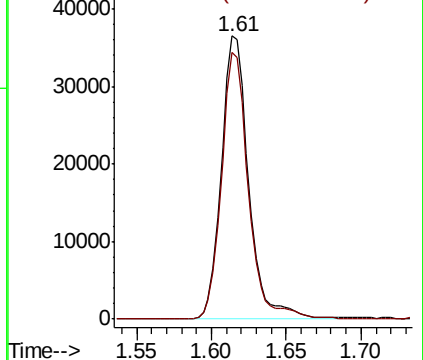
94 100

96 94.2 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 47.847 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027319.D

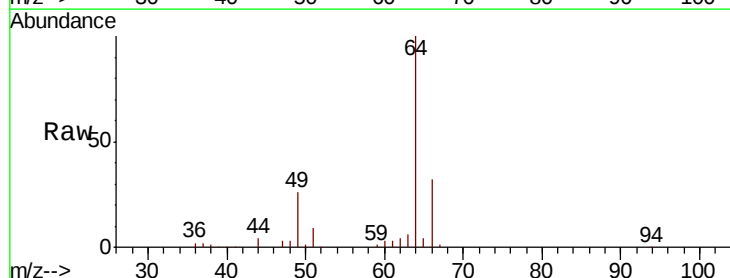
Acq: 01 Oct 2018 13:22

Tgt Ion: 64 Resp: 64820

Ion Ratio Lower Upper

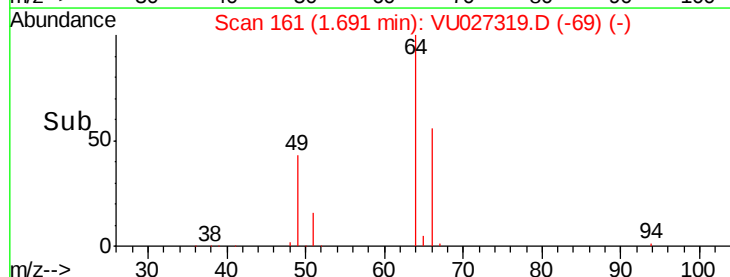
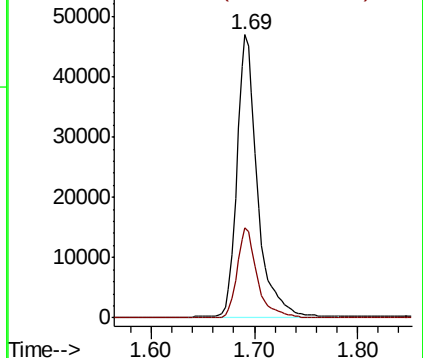
64 100

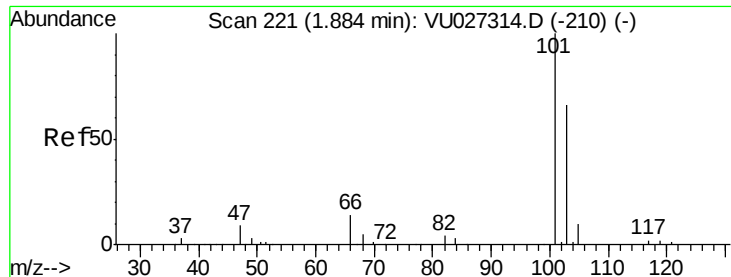
66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



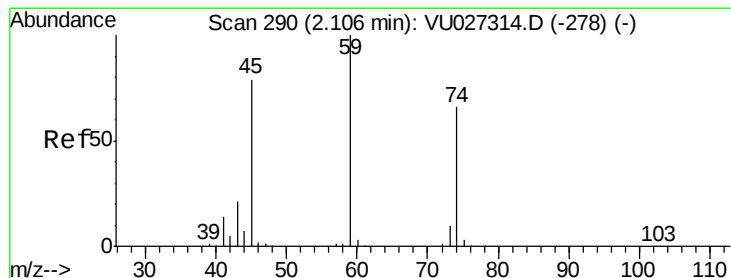
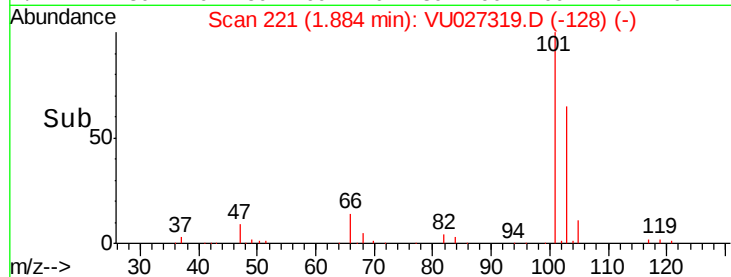
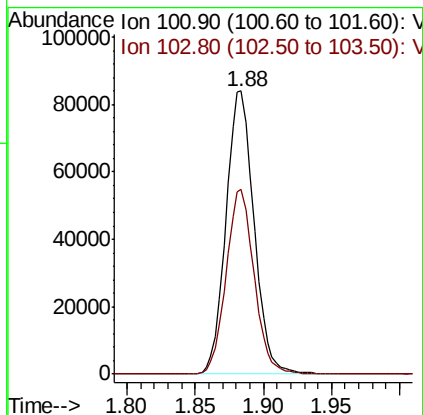
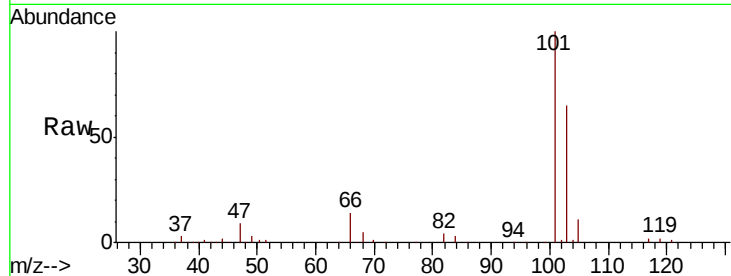


#7

Trichlorofluoromethane  
 Concen: 52.600 ug/l  
 RT: 1.88 min Scan# 221  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

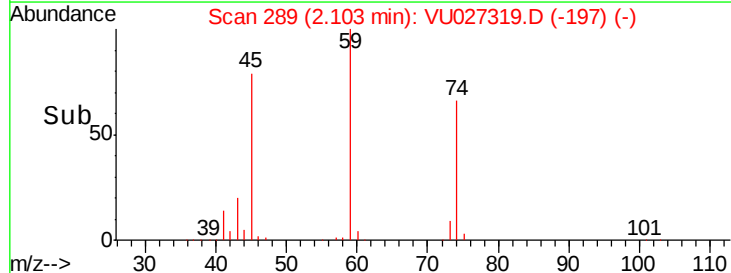
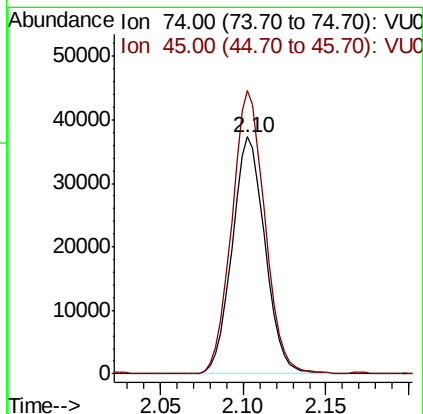
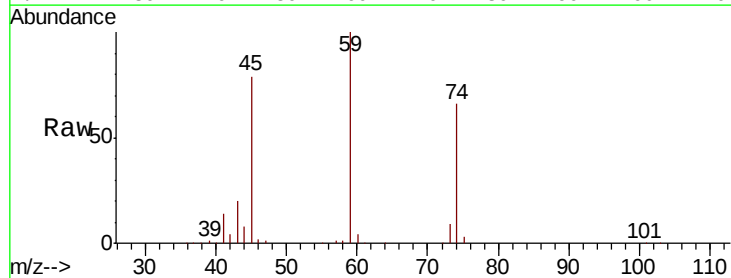
Tot Ion:101 Resp: 120322  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 52.6 78.8

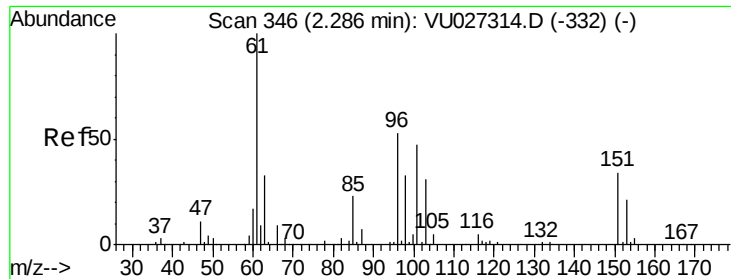


#8

Diethyl Ether  
 Concen: 48.698 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 74 Resp: 51315  
 Ion Ratio Lower Upper  
 74 100  
 45 120.5 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.828 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

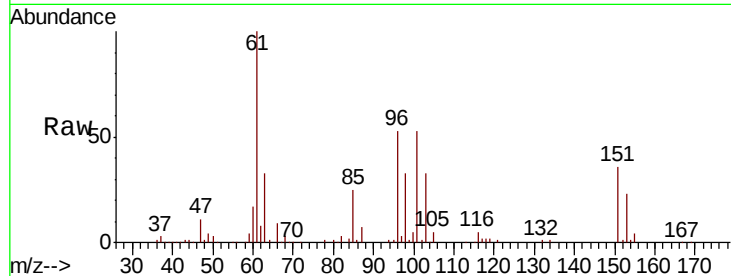
Tot Ion:101 Resp: 71508

Ion Ratio Lower Upper

101 100

85 45.7 37.5 56.3

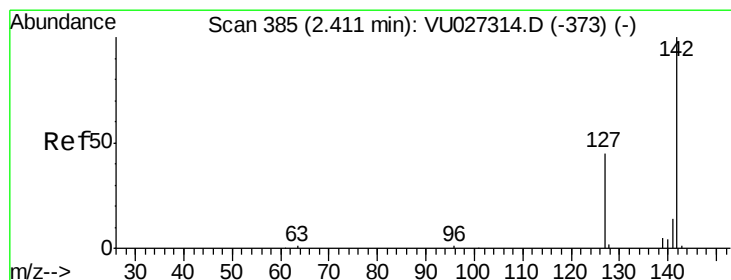
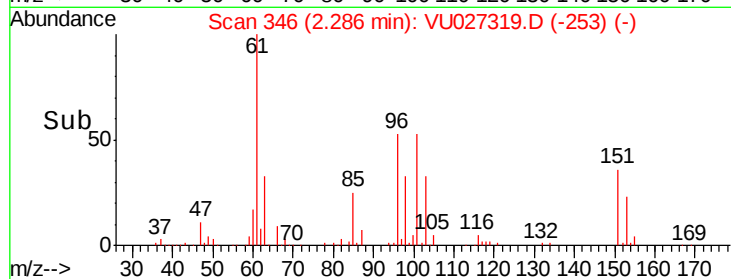
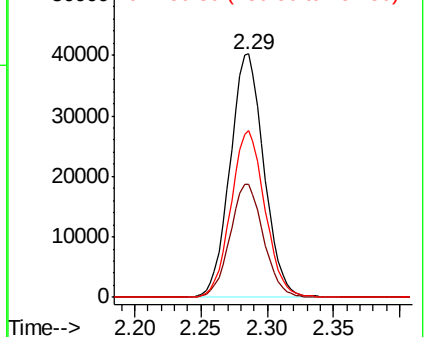
151 68.6 55.6 83.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.709 ug/l

RT: 2.41 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

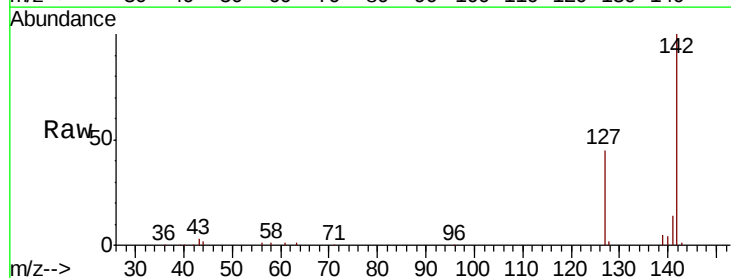
Tgt Ion:142 Resp: 46560

Ion Ratio Lower Upper

142 100

127 45.4 36.3 54.5

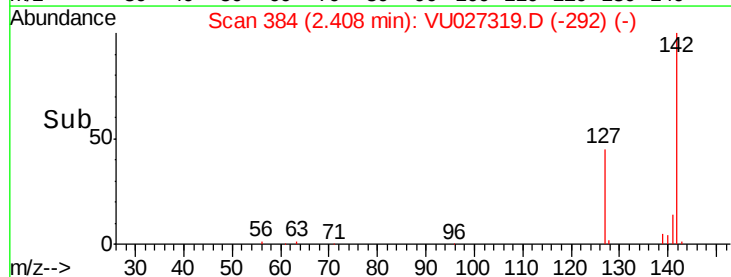
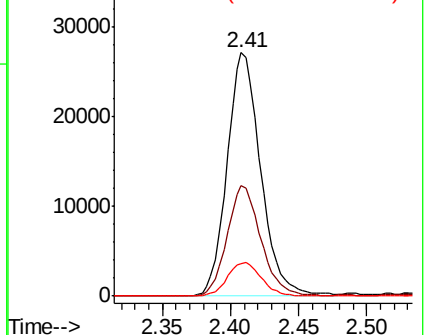
141 13.8 11.6 17.4

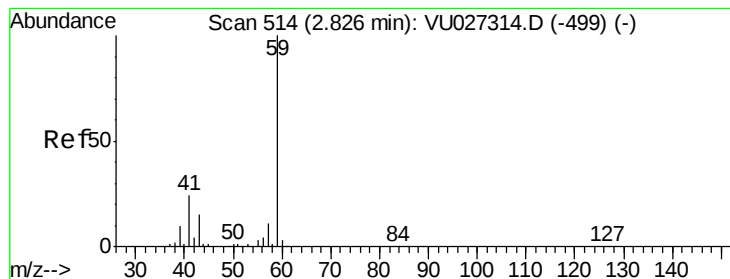


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



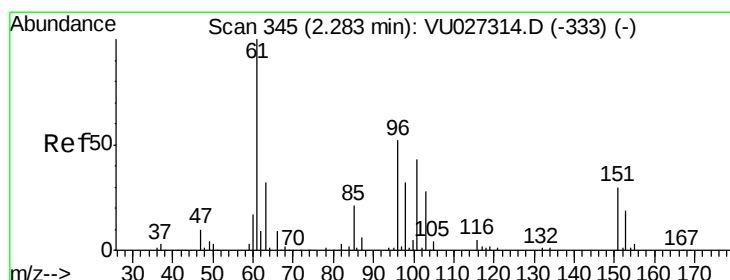
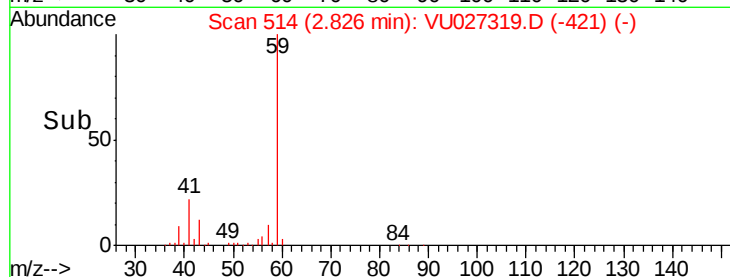
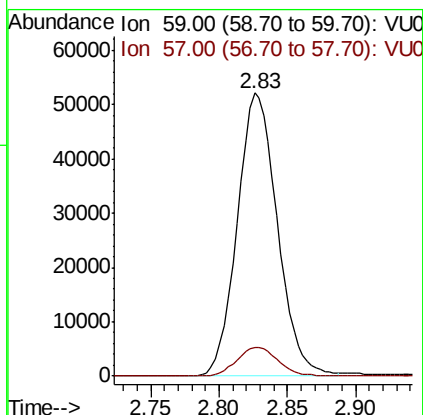
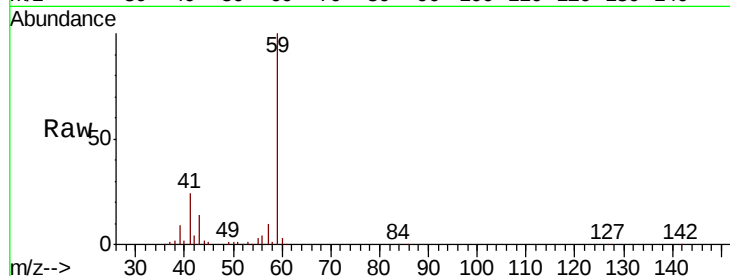


#11

Tert butyl alcohol  
 Concen: 246.221 ug/l  
 RT: 2.83 min Scan# 514  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

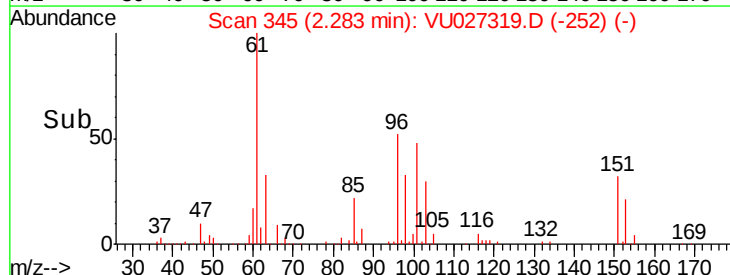
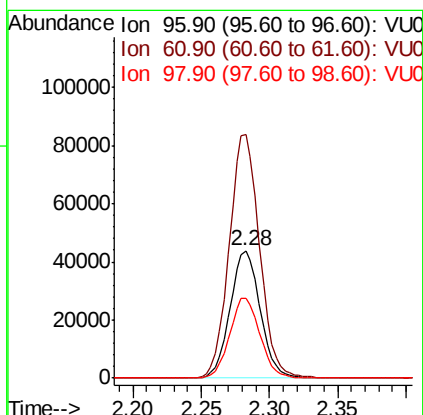
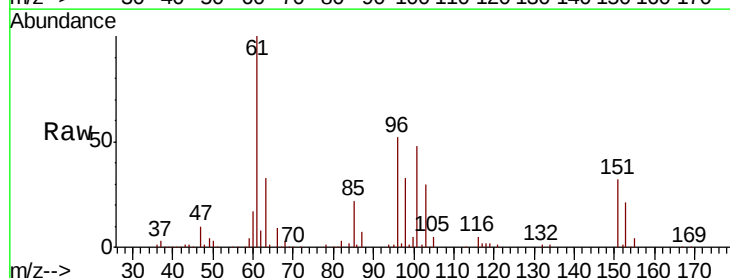
Tot Ion: 59 Resp: 106384  
 Ion Ratio Lower Upper  
 59 100  
 57 10.5 8.4 12.6

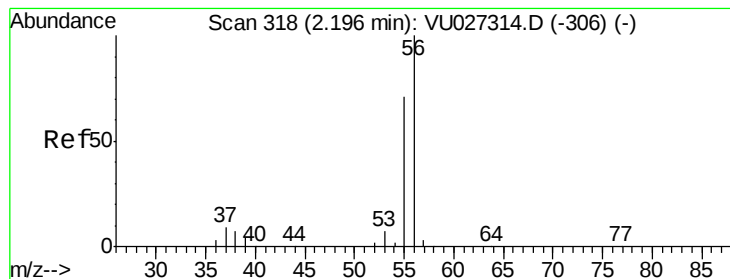


#12

1,1-Dichloroethene  
 Concen: 51.801 ug/l  
 RT: 2.28 min Scan# 345  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 96 Resp: 67233  
 Ion Ratio Lower Upper  
 96 100  
 61 191.1 153.0 229.6  
 98 62.9 49.3 73.9





#13

Acrolein

Concen: 230.587 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

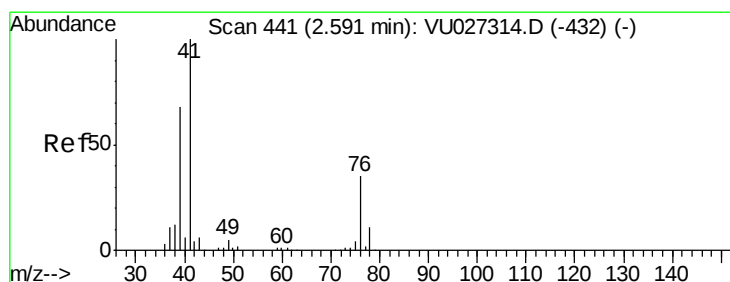
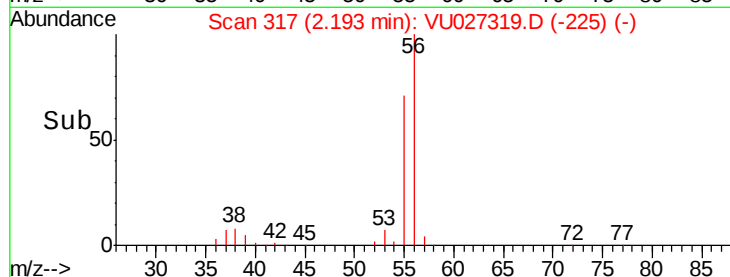
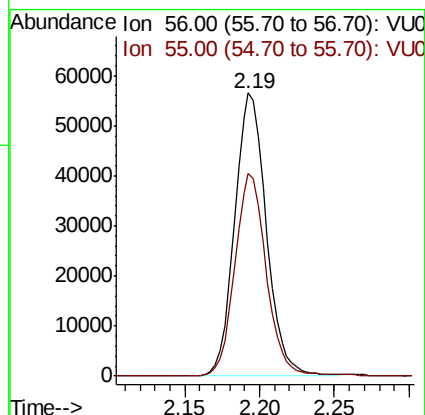
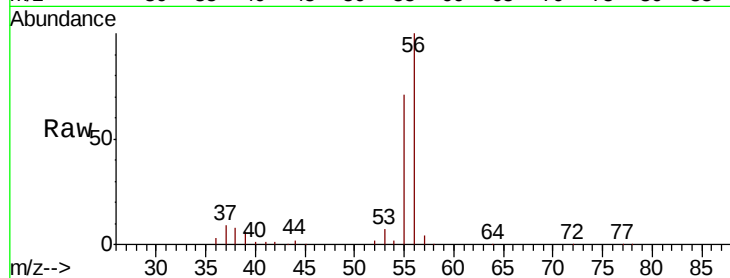
ICVVU100118

Tot Ion: 56 Resp: 83599

Ion Ratio Lower Upper

56 100

55 71.1 57.7 86.5



#14

Allyl chloride

Concen: 50.231 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

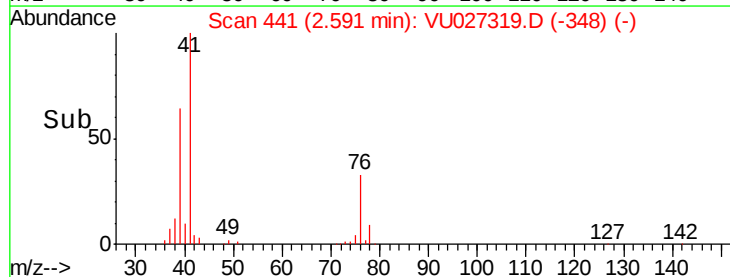
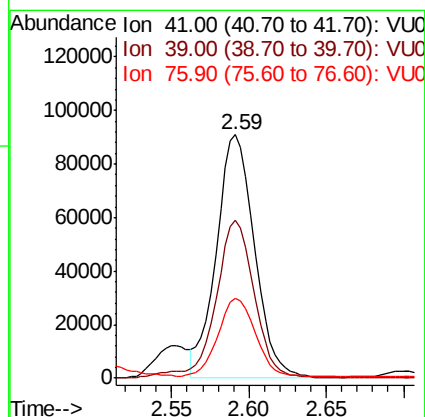
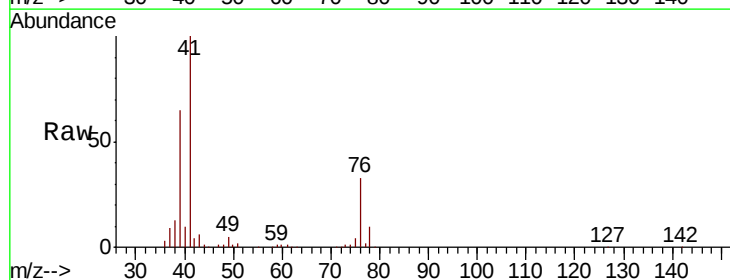
Tgt Ion: 41 Resp: 154817

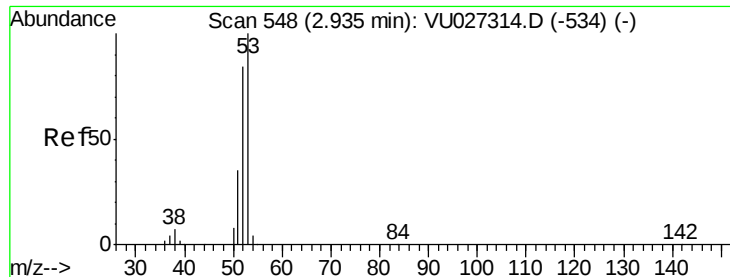
Ion Ratio Lower Upper

41 100

39 66.1 51.8 77.8

76 32.4 25.9 38.9





#15

Acrylonitrile

Concen: 249.909 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

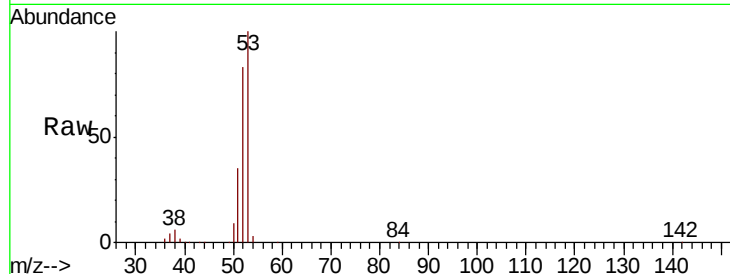
MSVOA\_U

ClientSampleId :

ICVVU100118

Tot Ion: 53 Resp: 281037

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 81.9  | 66.5  | 99.7  |
| 51  | 34.6  | 27.6  | 41.4  |

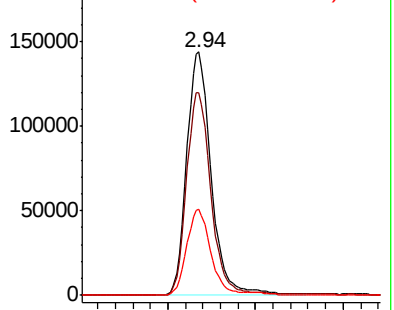


Abundance

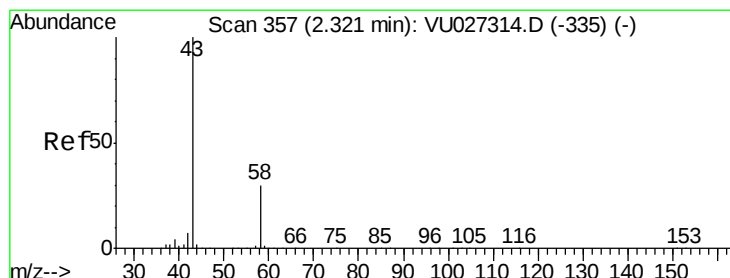
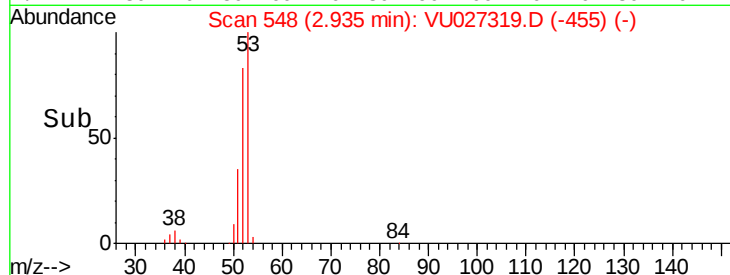
Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



Time-->



#16

Acetone

Concen: 231.986 ug/l

RT: 2.32 min Scan# 357

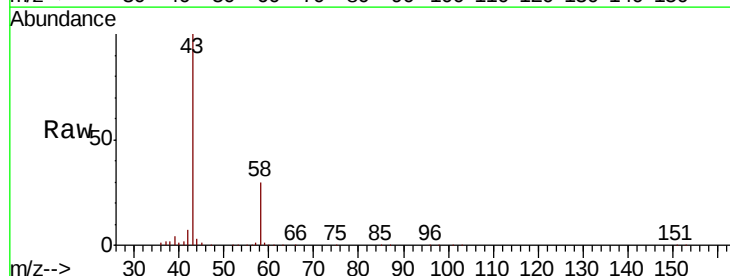
Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion: 43 Resp: 281191

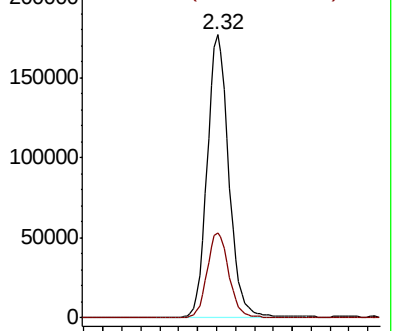
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 30.2  | 24.2  | 36.4  |



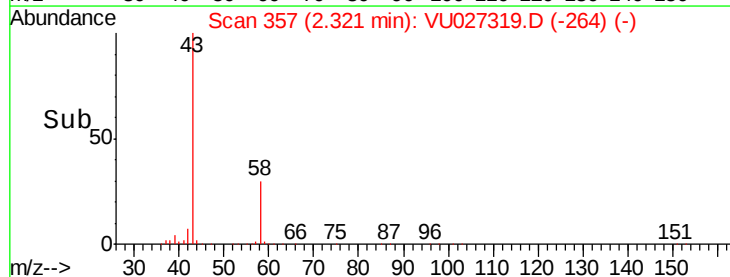
Abundance

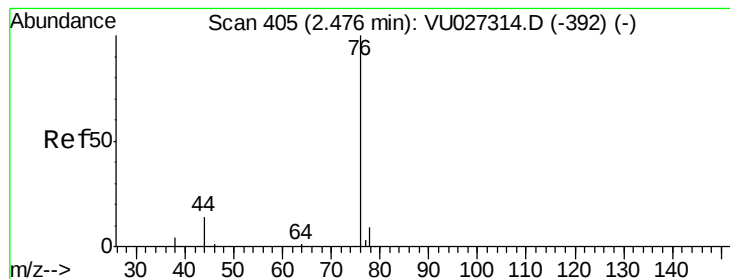
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->





#17

Carbon Disulfide

Concen: 49.617 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

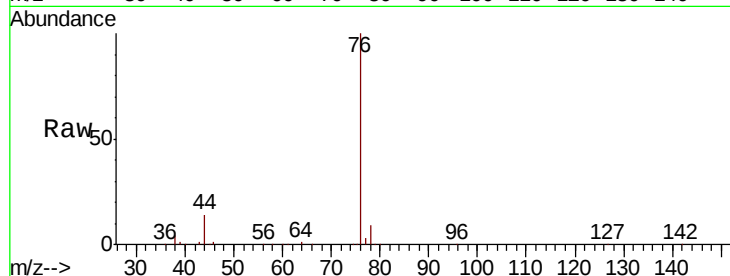
ICVVU100118

Tot Ion: 76 Resp: 232260

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VU027319.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027319.D (-312) (-)

2.48

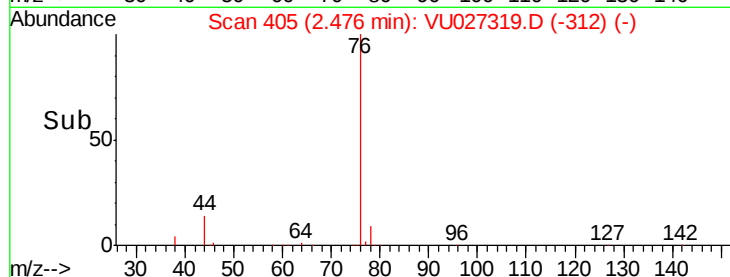
150000

100000

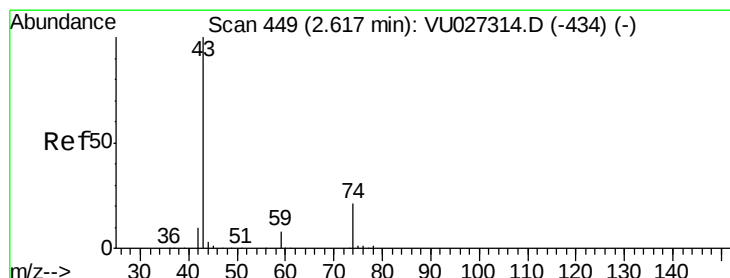
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 48.379 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027319.D

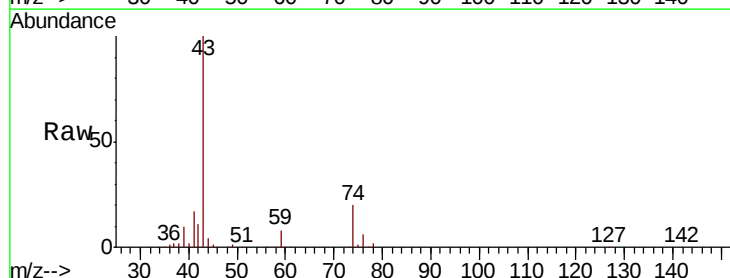
Acq: 01 Oct 2018 13:22

Tgt Ion: 43 Resp: 133774

Ion Ratio Lower Upper

43 100

74 20.4 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU027319.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027319.D (-356) (-)

2.61

80000

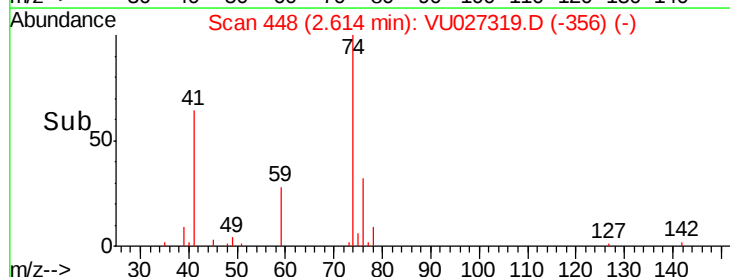
60000

40000

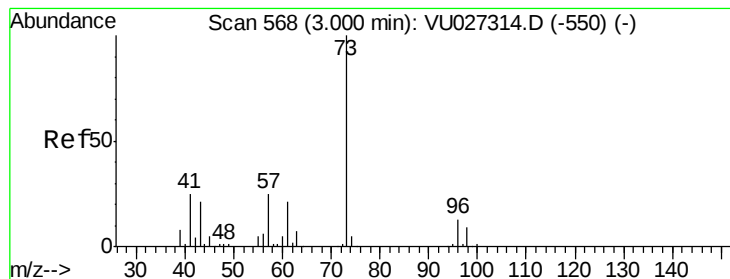
20000

0

Time-->



Time-->

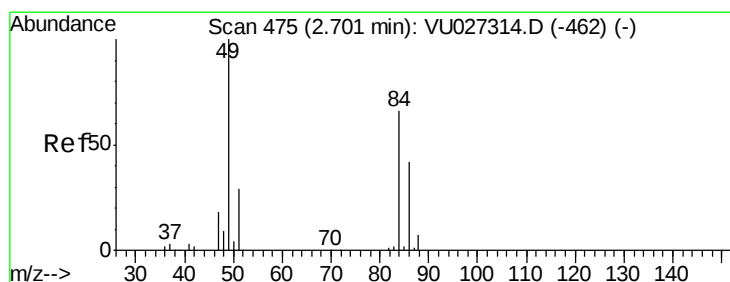
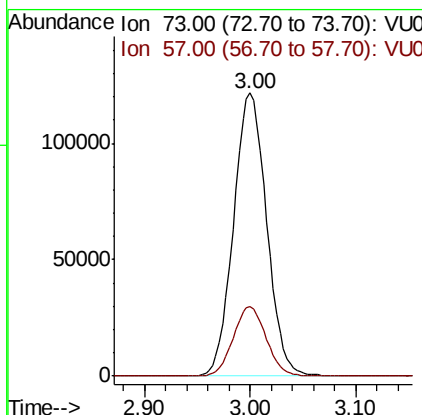
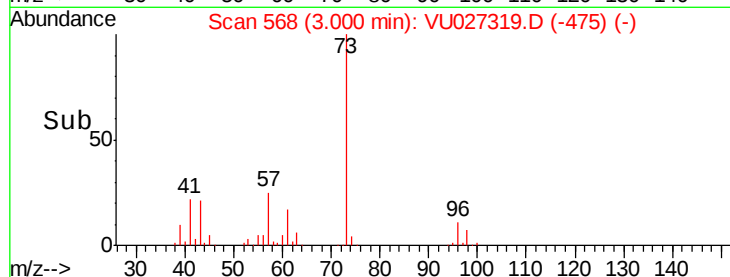
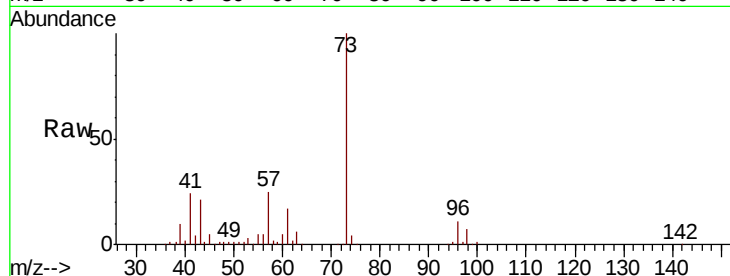


#19

Methyl tert-butyl Ether  
 Concen: 50.883 ug/l  
 RT: 3.00 min Scan# 568  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

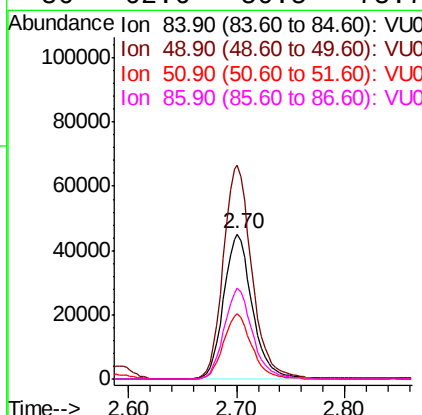
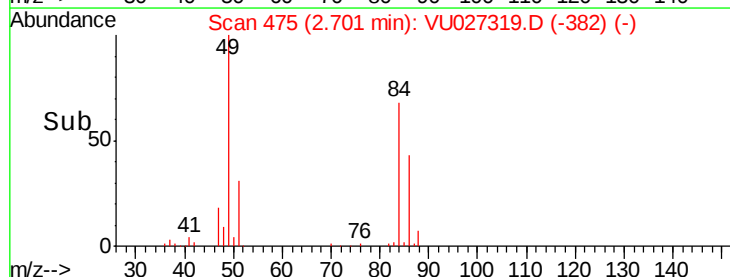
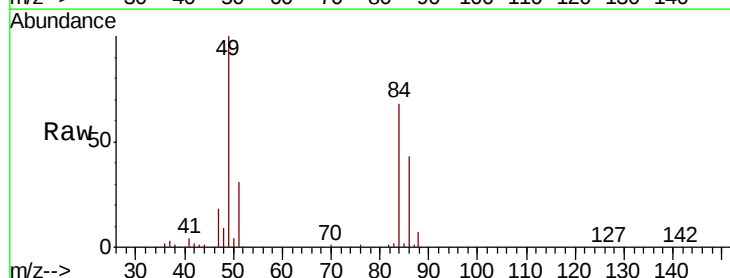
Tot Ion: 73 Resp: 264618  
 Ion Ratio Lower Upper  
 73 100  
 57 24.5 20.0 30.0

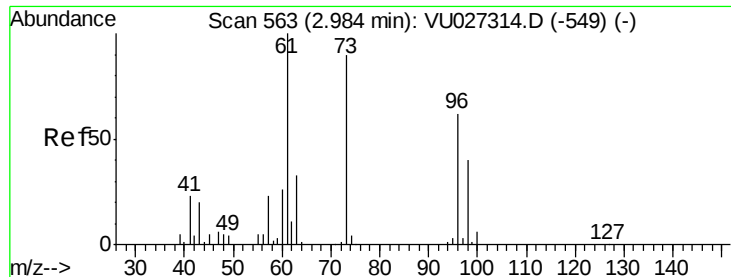


#20

Methylene Chloride  
 Concen: 49.409 ug/l  
 RT: 2.70 min Scan# 475  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 84 Resp: 83422  
 Ion Ratio Lower Upper  
 84 100  
 49 147.2 120.5 180.7  
 51 44.9 35.1 52.7  
 86 62.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 51.509 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

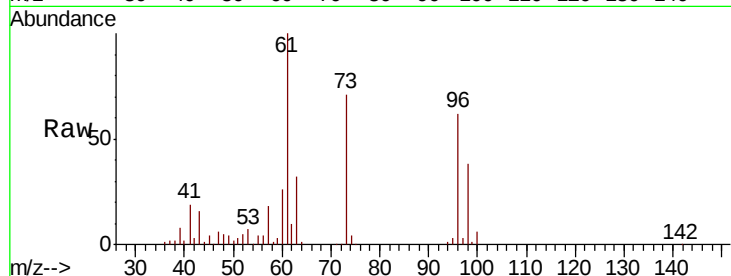
Tot Ion: 96 Resp: 75057

Ion Ratio Lower Upper

96 100

61 162.5 129.4 194.2

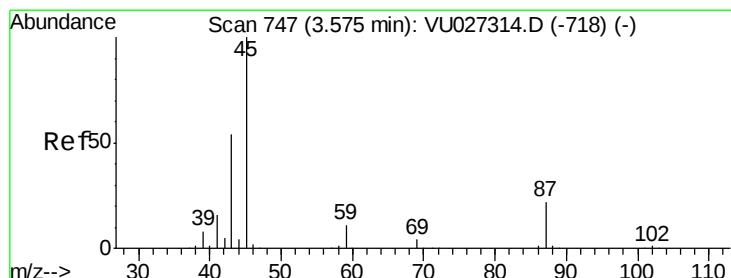
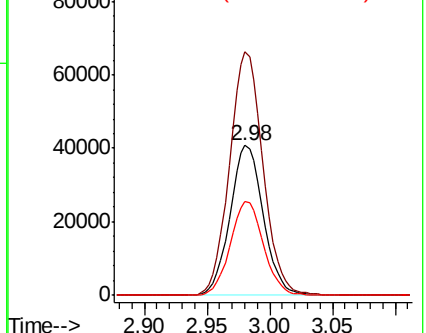
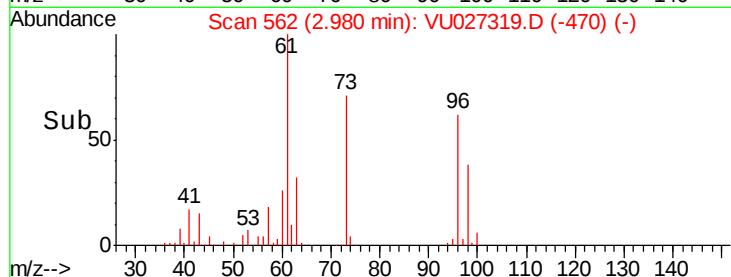
98 62.5 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 51.719 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion: 45 Resp: 323990

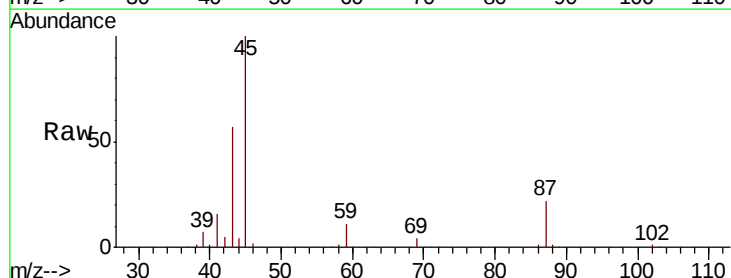
Ion Ratio Lower Upper

45 100

43 54.6 43.4 65.2

87 22.4 17.5 26.3

59 10.9 8.6 13.0

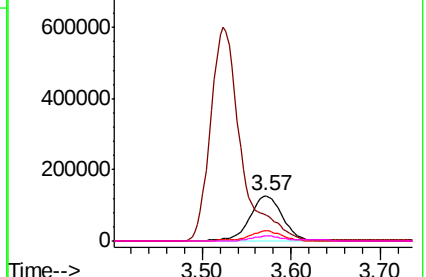
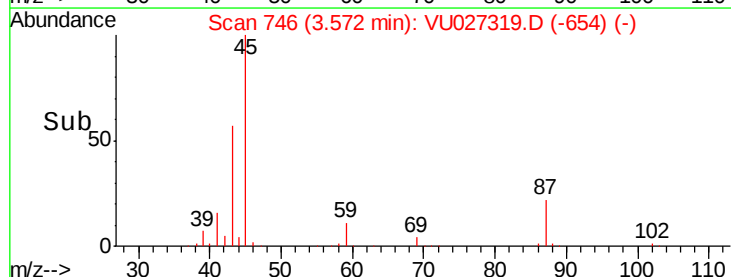


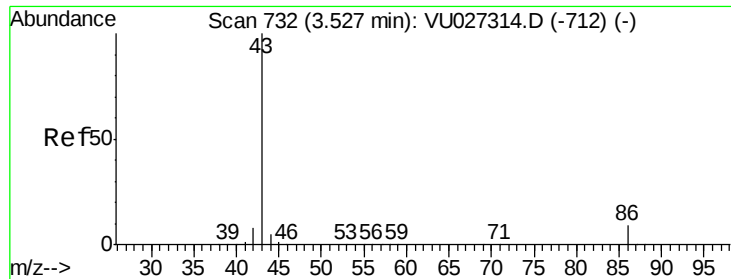
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 260.176 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

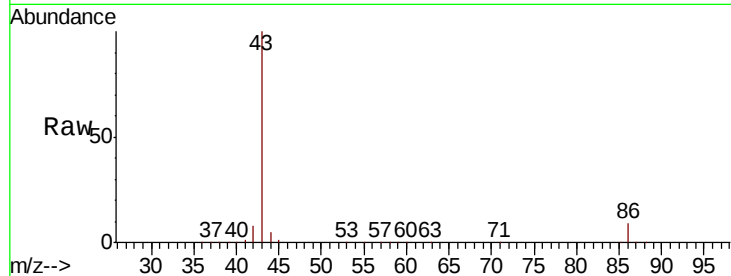
ICVVU100118

Tot Ion: 43 Resp: 1423356

Ion Ratio Lower Upper

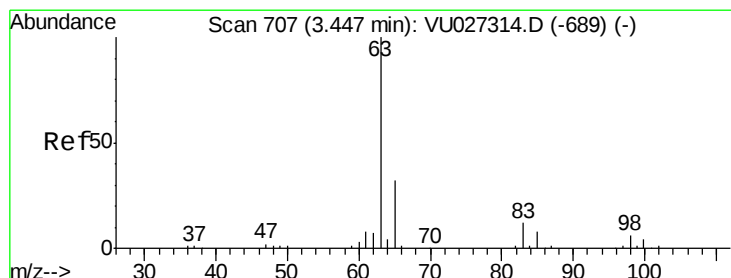
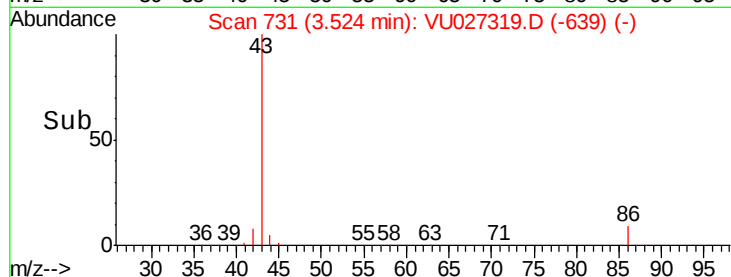
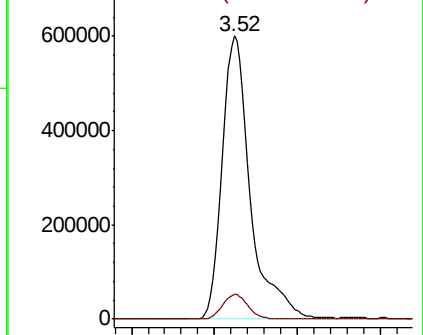
43 100

86 8.7 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 50.440 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

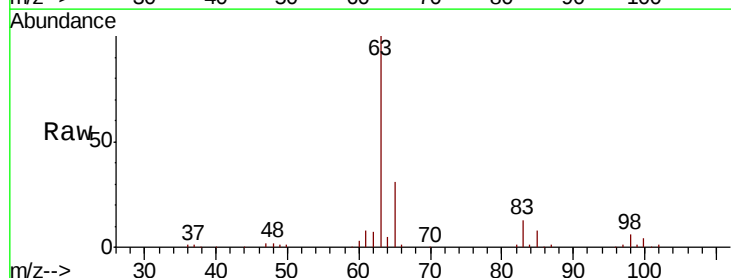
Tgt Ion: 63 Resp: 162438

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

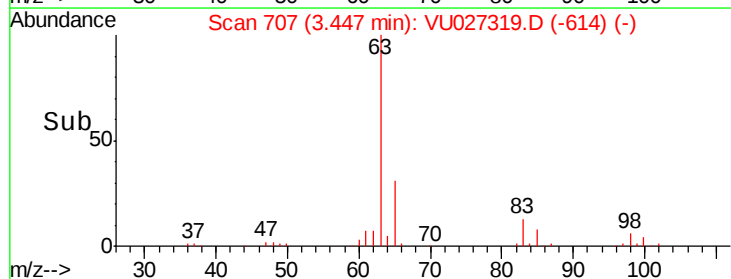
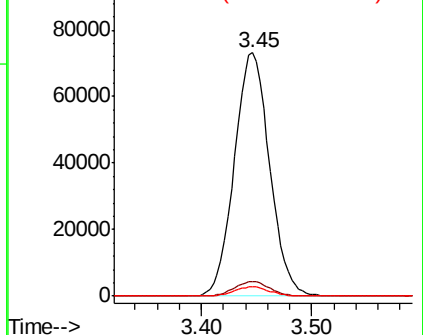
100 3.8 1.8 5.5

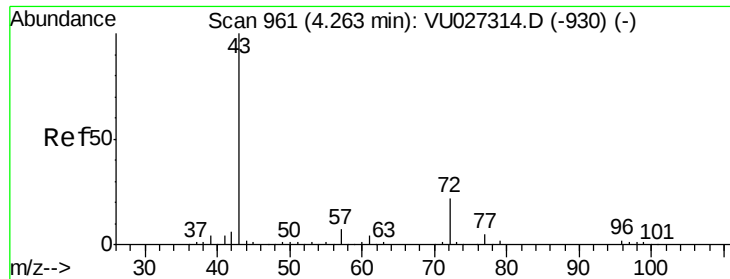


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 250.733 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

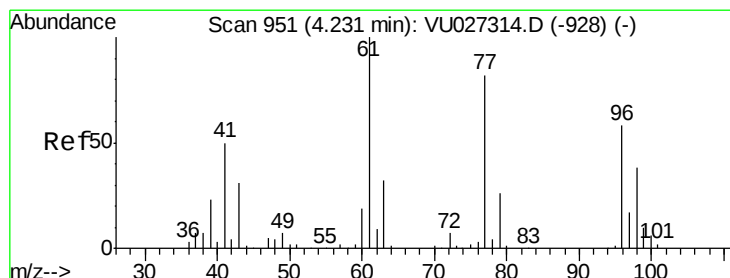
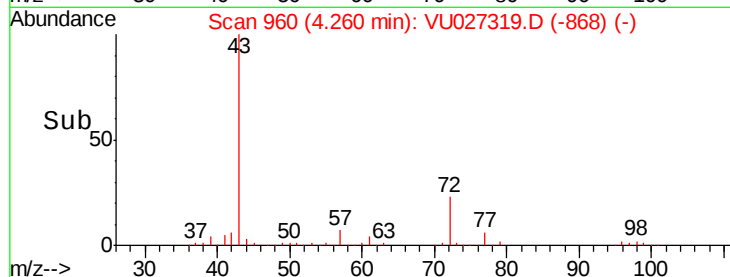
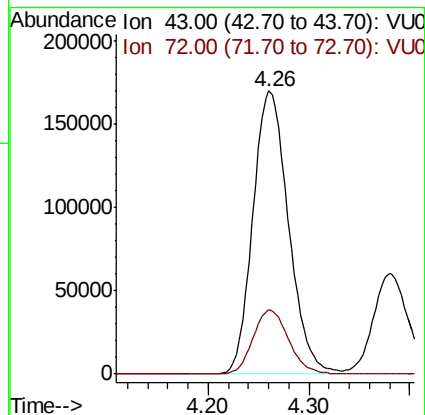
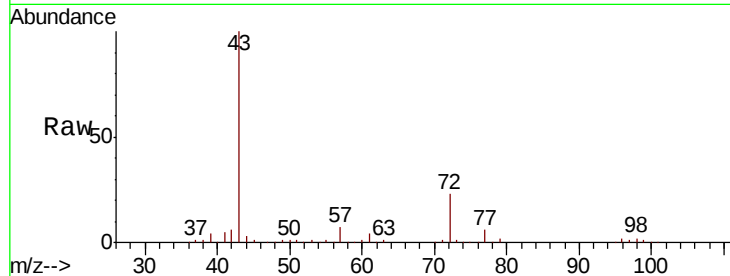
ICVVU100118

Tot Ion: 43 Resp: 414435

Ion Ratio Lower Upper

43 100

72 22.6 17.8 26.6



#26

2,2-Dichloropropane

Concen: 50.682 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027319.D

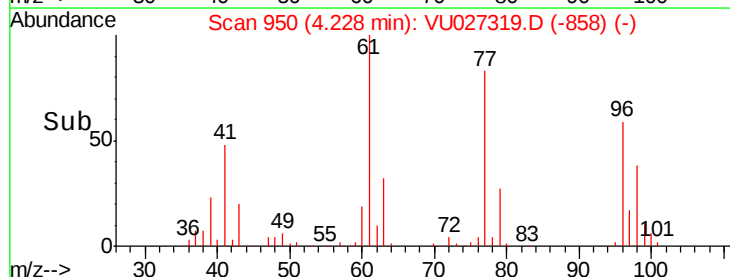
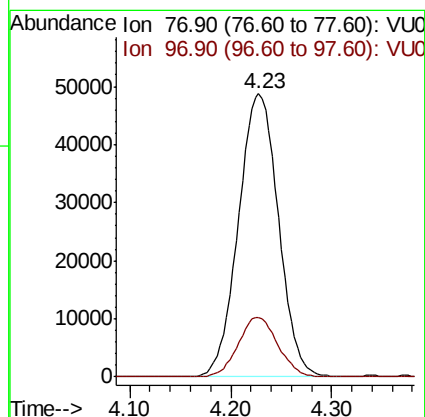
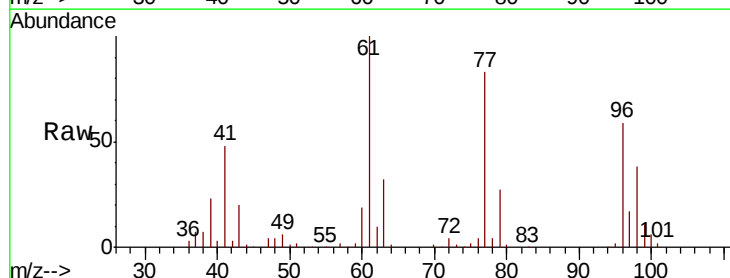
Acq: 01 Oct 2018 13:22

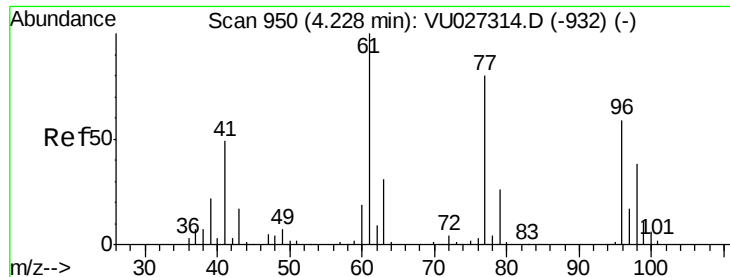
Tgt Ion: 77 Resp: 134113

Ion Ratio Lower Upper

77 100

97 20.8 10.4 31.1



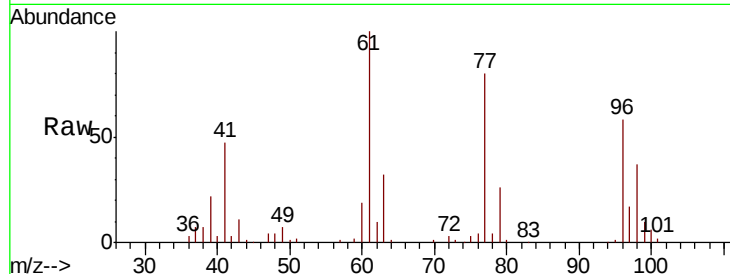


#27

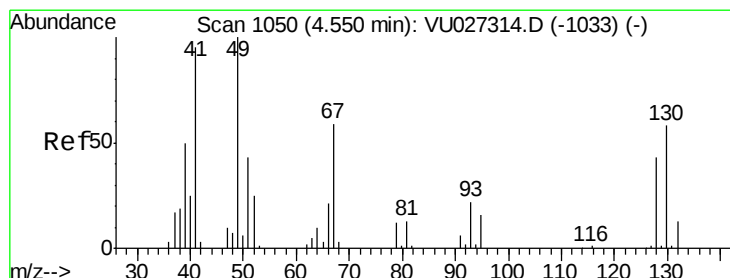
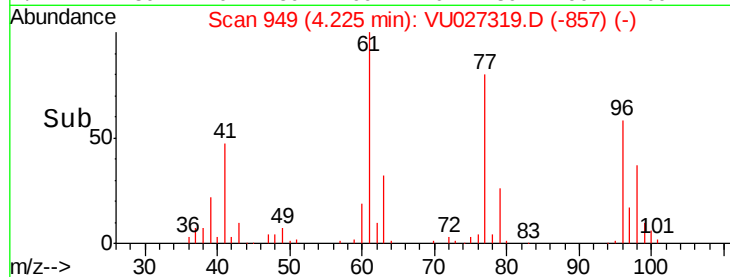
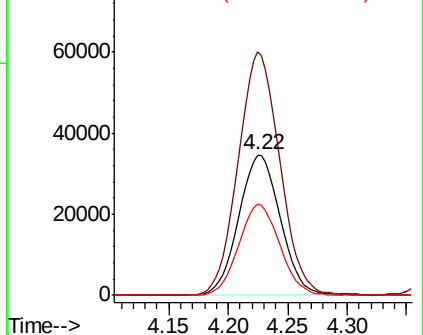
cis-1,2-Dichloroethene  
 Concen: 50.304 ug/l  
 RT: 4.22 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

Tot Ion: 96 Resp: 83827  
 Ion Ratio Lower Upper  
 96 100  
 61 173.5 0.0 343.8  
 98 64.1 0.0 129.0



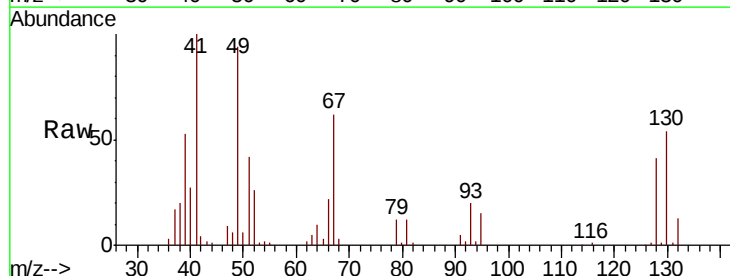
Abundance Ion 95.90 (95.60 to 96.60): VU0  
 Ion 60.90 (60.60 to 61.60): VU0  
 Ion 97.90 (97.60 to 98.60): VU0



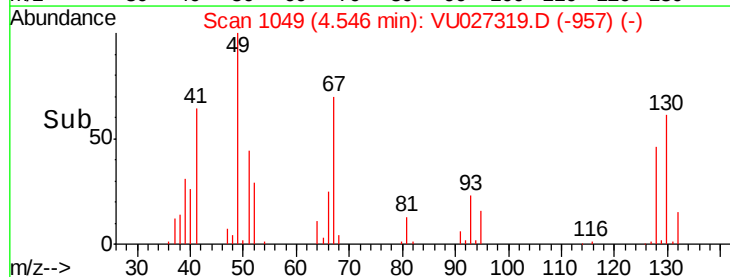
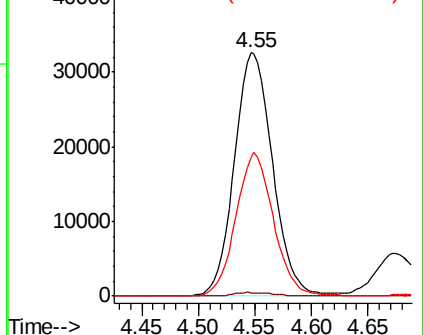
#28

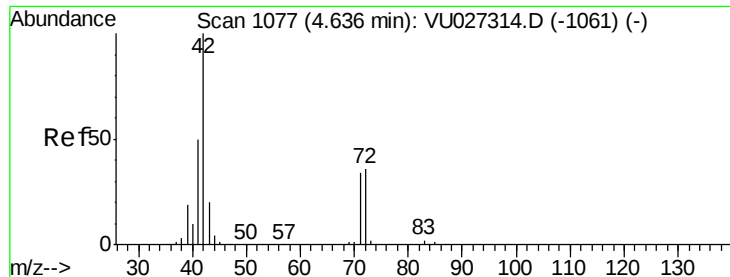
Bromochloromethane  
 Concen: 49.538 ug/l  
 RT: 4.55 min Scan# 1049  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 49 Resp: 76967  
 Ion Ratio Lower Upper  
 49 100  
 129 1.4 0.0 3.0  
 130 57.8 46.1 69.1



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

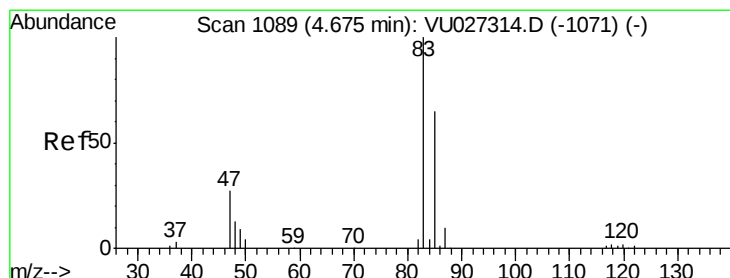
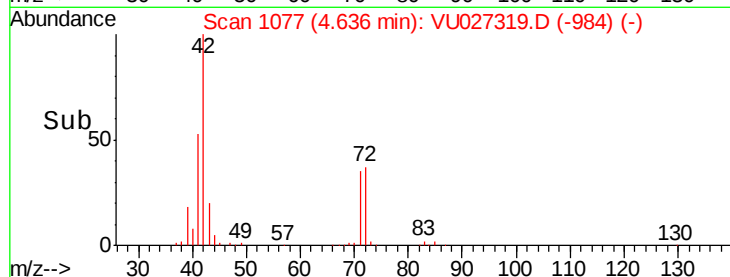
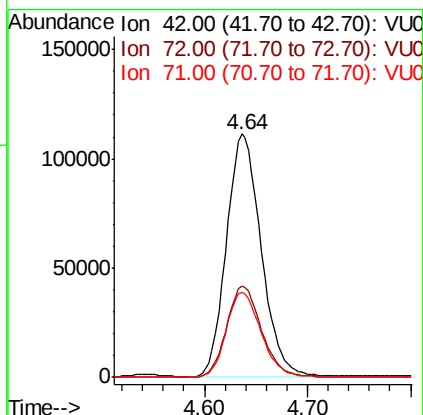
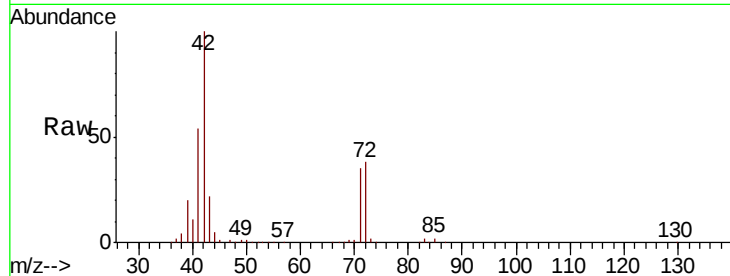




#29  
Tetrahydrofuran  
Concen: 250.019 ug/l  
RT: 4.64 min Scan# 1077  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

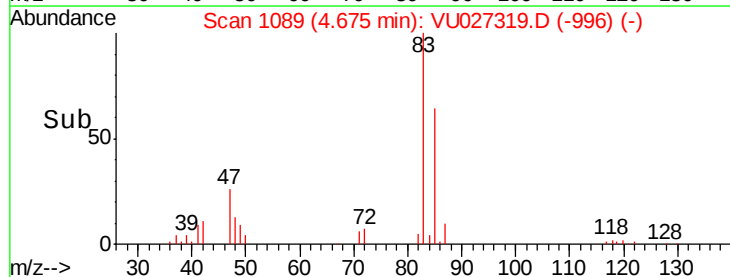
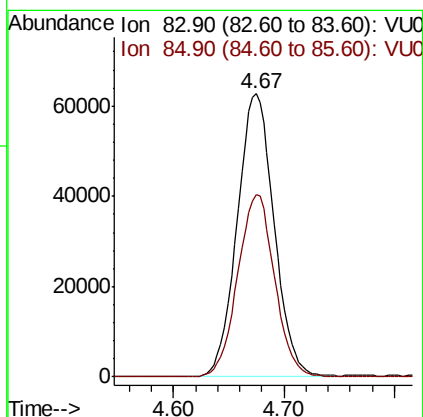
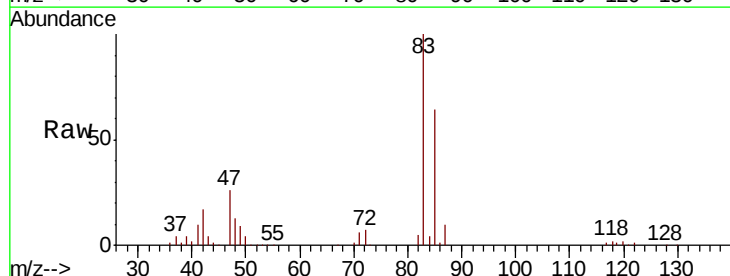
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

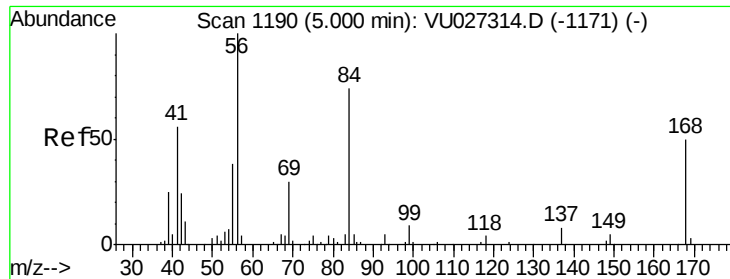
Tot Ion: 42 Resp: 260438  
Ion Ratio Lower Upper  
42 100  
72 38.2 30.1 45.1  
71 35.3 27.7 41.5



#30  
Chloroform  
Concen: 50.863 ug/l  
RT: 4.67 min Scan# 1089  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion: 83 Resp: 145530  
Ion Ratio Lower Upper  
83 100  
85 64.5 51.8 77.6

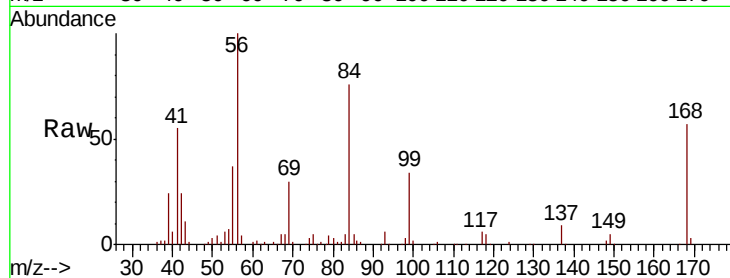




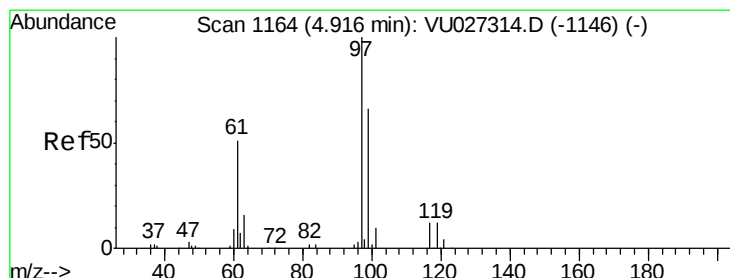
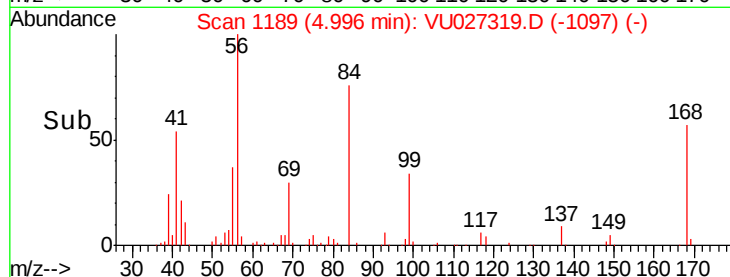
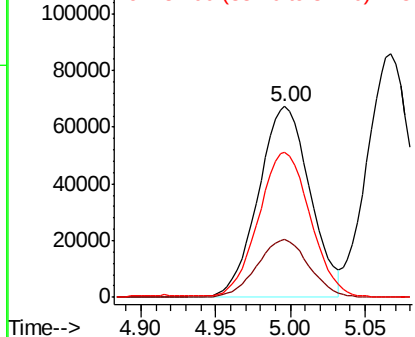
#31  
Cyclohexane  
Concen: 49.073 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

Tot Ion: 56 Resp: 161500  
Ion Ratio Lower Upper  
56 100  
69 30.4 24.1 36.1  
84 75.7 59.1 88.7

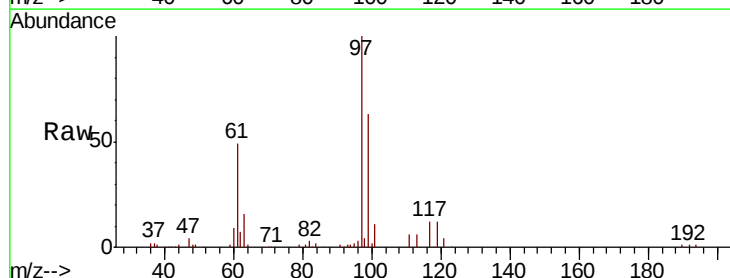


Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0

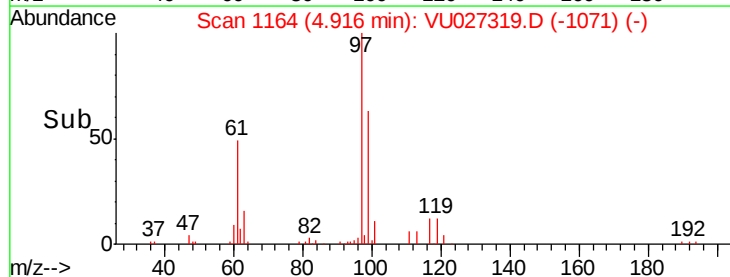
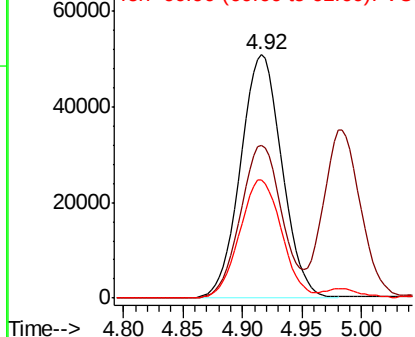


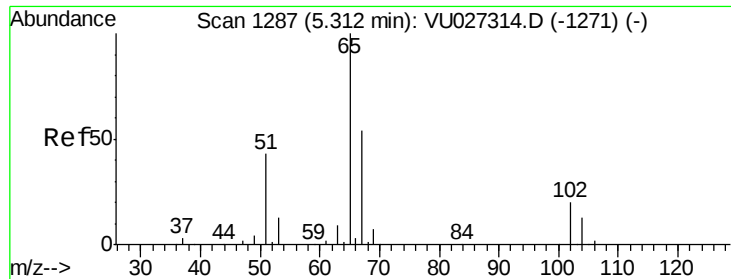
#32  
1,1,1-Trichloroethane  
Concen: 51.055 ug/l  
RT: 4.92 min Scan# 1164  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion: 97 Resp: 123030  
Ion Ratio Lower Upper  
97 100  
99 63.1 51.1 76.7  
61 49.3 39.6 59.4



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

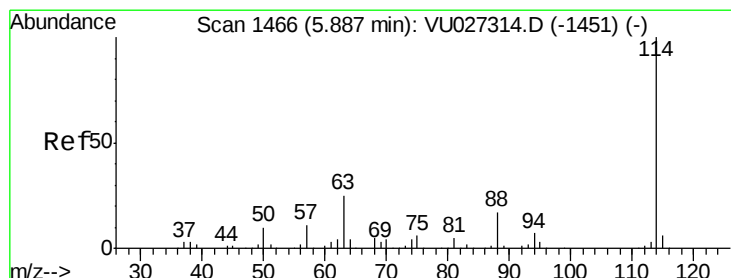
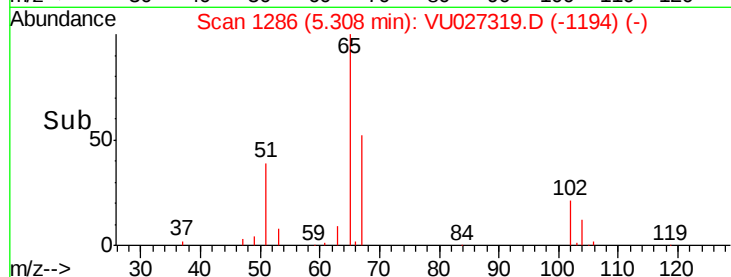
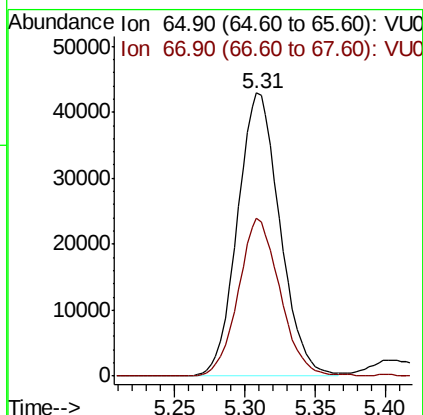
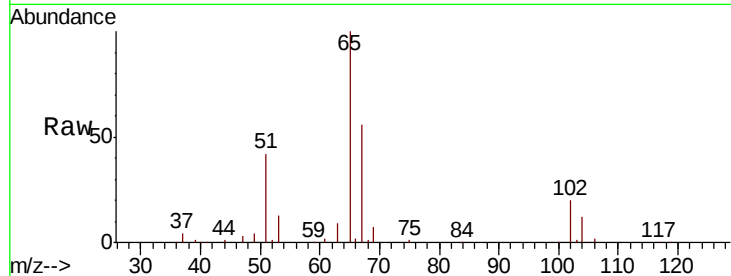




#33  
 1,2-Dichloroethane-d4  
 Concen: 44.009 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

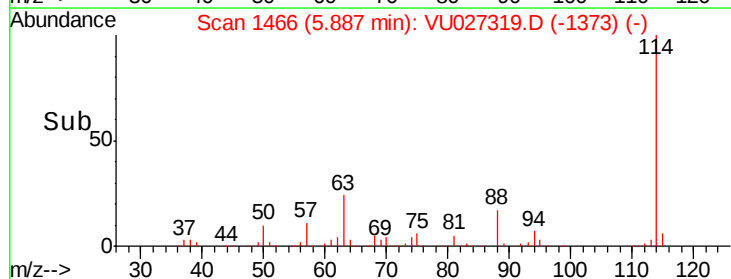
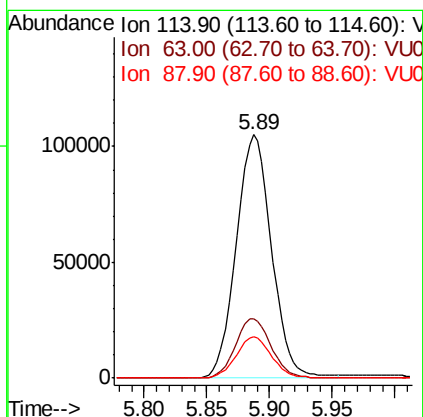
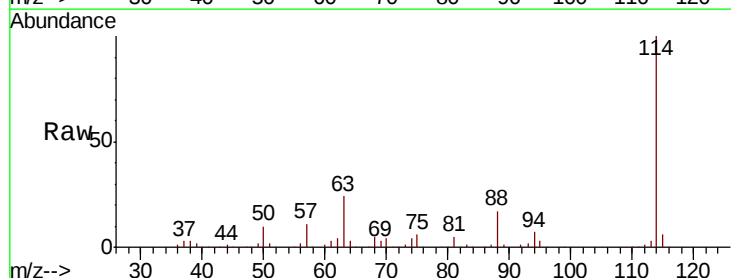
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

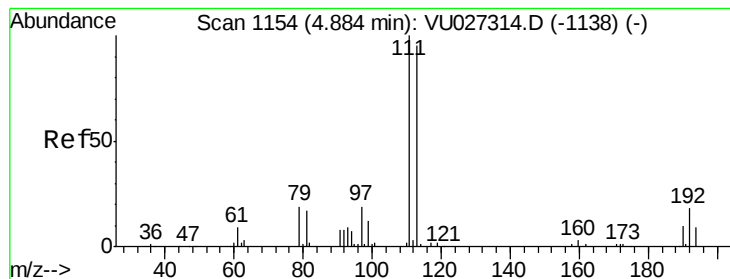
Tot Ion: 65 Resp: 90297  
 Ion Ratio Lower Upper  
 65 100  
 67 54.7 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 114 Resp: 206215  
 Ion Ratio Lower Upper  
 114 100  
 63 24.3 0.0 50.2  
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.903 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

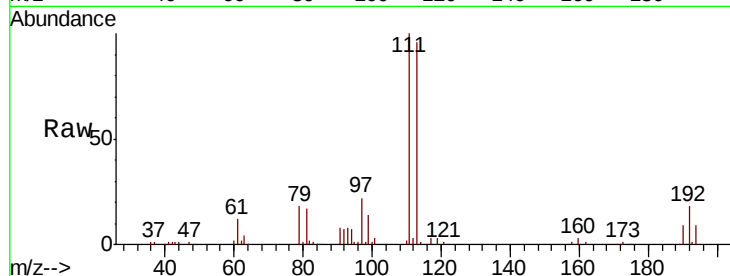
Tot Ion:113 Resp: 64873

Ion Ratio Lower Upper

113 100

111 104.3 83.1 124.7

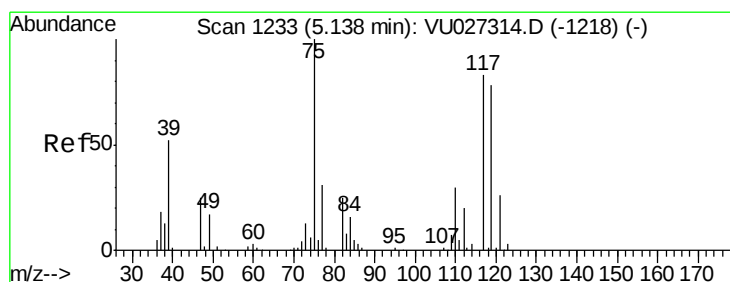
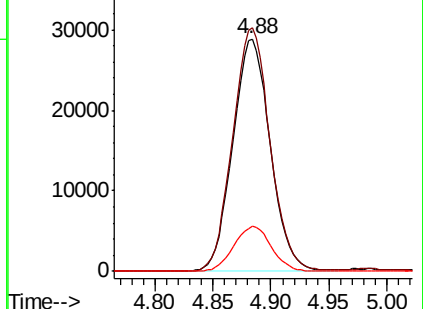
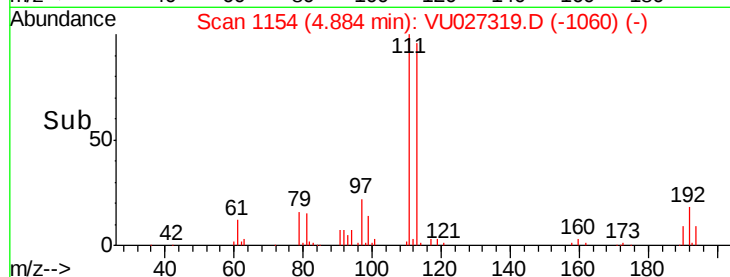
192 19.3 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.508 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

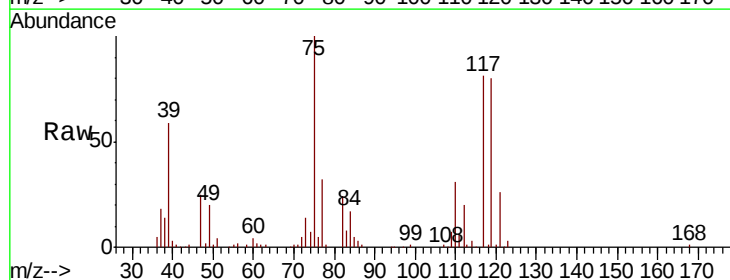
Tgt Ion: 75 Resp: 115328

Ion Ratio Lower Upper

75 100

110 31.3 15.5 46.5

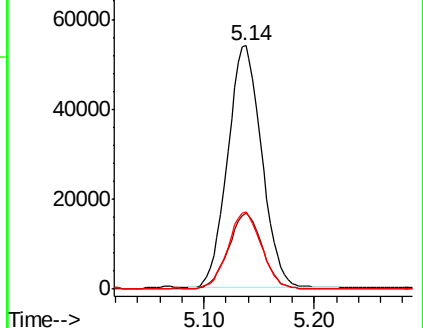
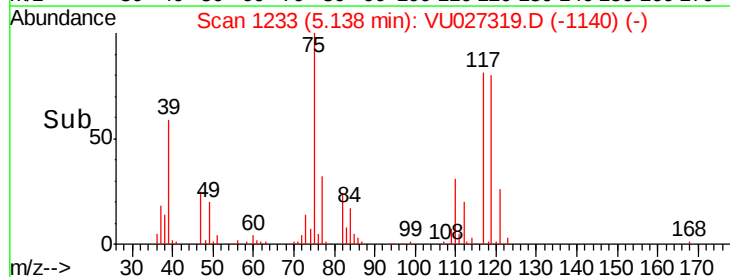
77 31.6 25.4 38.0

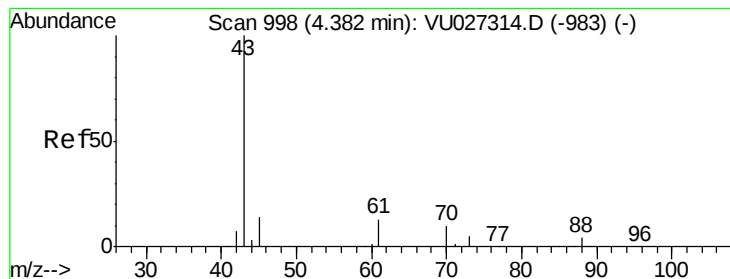


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 50.061 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

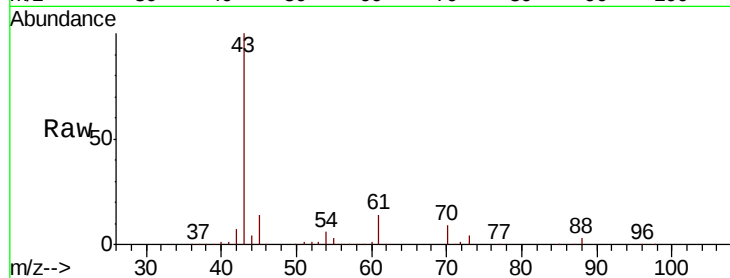
Tot Ion: 43 Resp: 144861

Ion Ratio Lower Upper

43 100

61 13.5 10.7 16.1

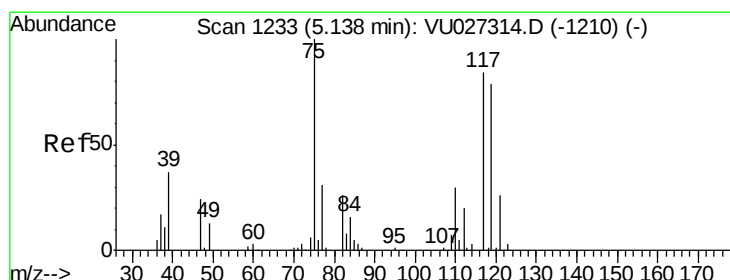
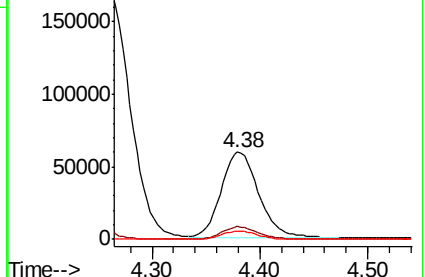
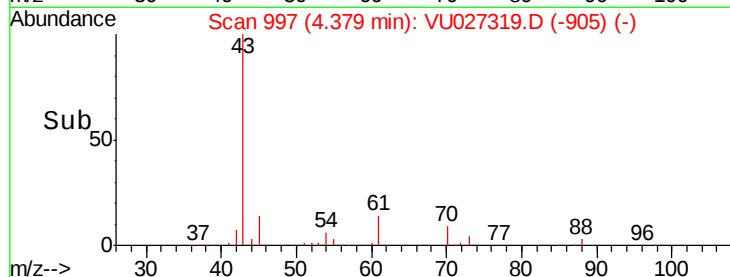
70 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VU027319.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU027319.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU027319.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 51.895 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

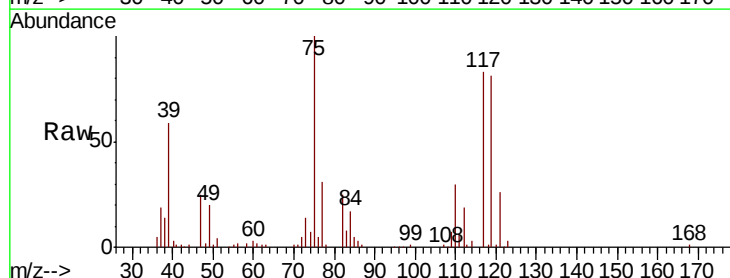
Tgt Ion: 117 Resp: 104959

Ion Ratio Lower Upper

117 100

119 97.9 74.5 111.7

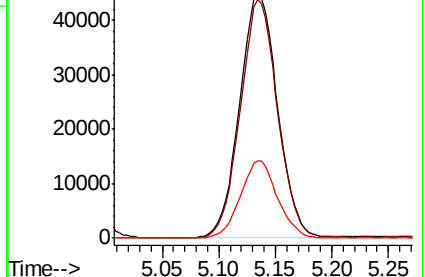
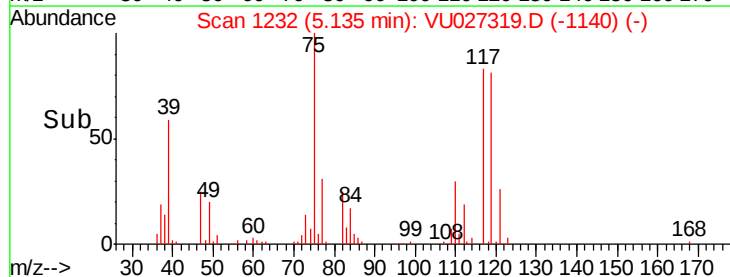
121 31.8 24.6 37.0

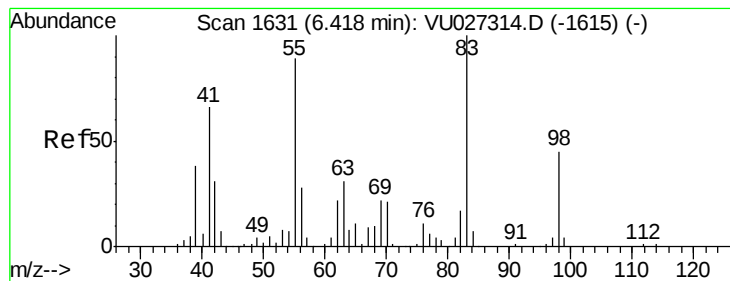


Abundance Ion 116.80 (116.50 to 117.50): VU027319.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU027319.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU027319.D (-1140) (-)





#39

Methvlcvclohexane

Concen: 53.965 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

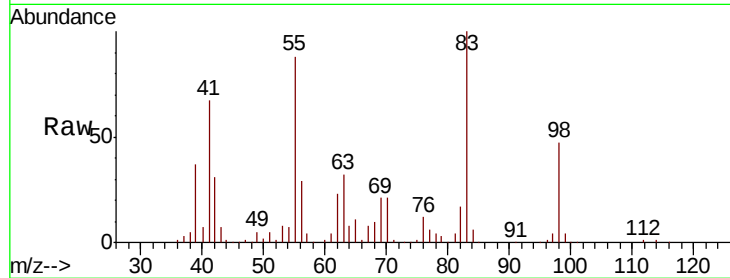
Tot Ion: 83 Resp: 141243

Ion Ratio Lower Upper

83 100

55 87.7 71.1 106.7

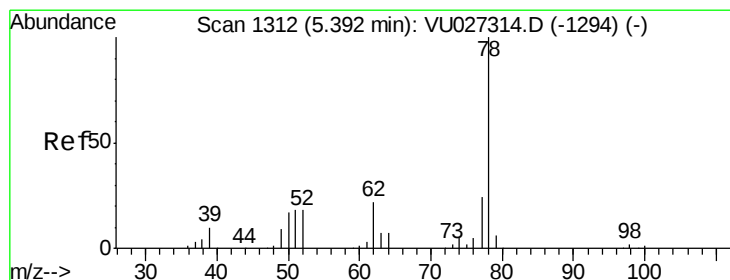
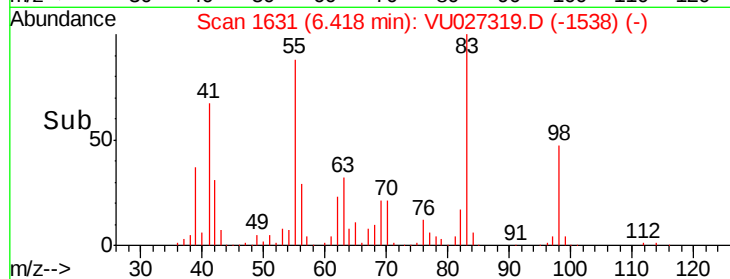
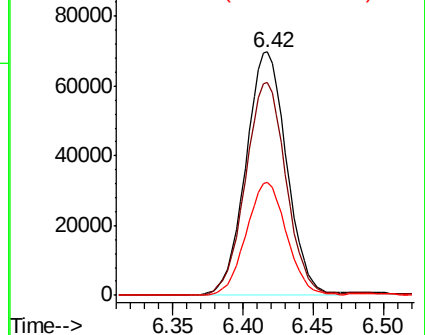
98 46.6 36.3 54.5



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: 51.363 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU027319.D

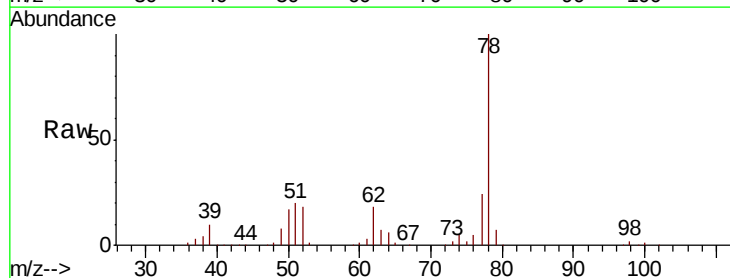
Acq: 01 Oct 2018 13:22

Tgt Ion: 78 Resp: 334988

Ion Ratio Lower Upper

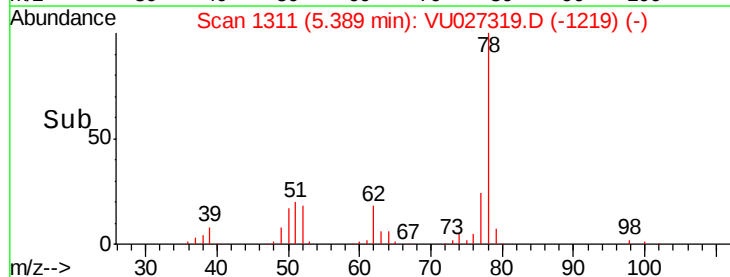
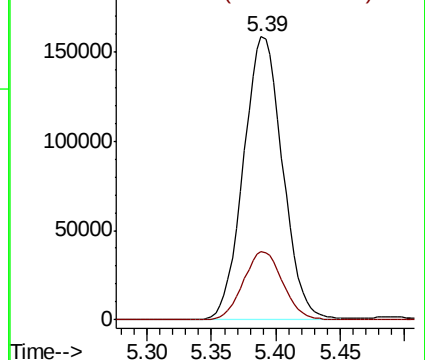
78 100

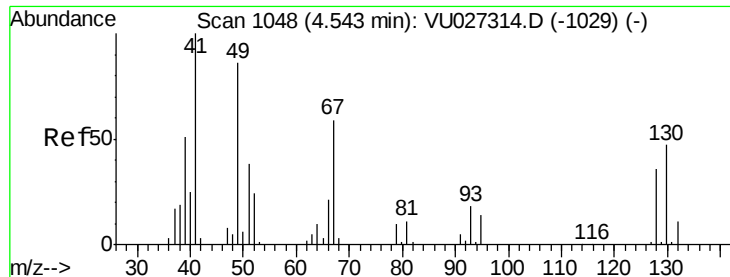
77 24.0 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

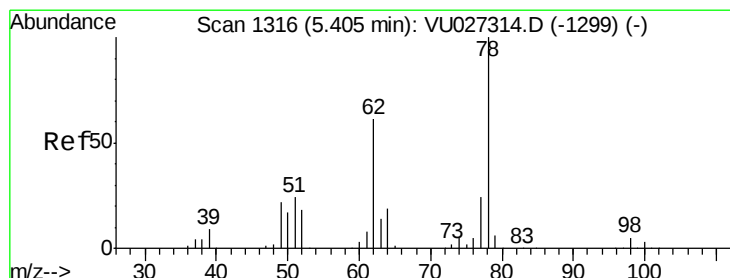
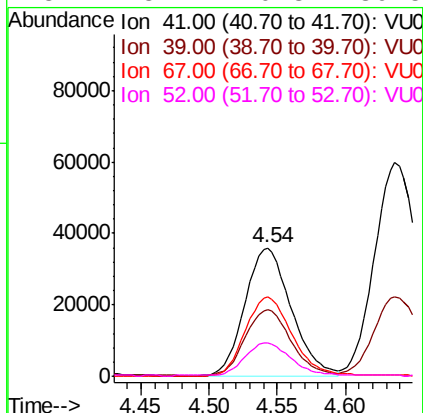
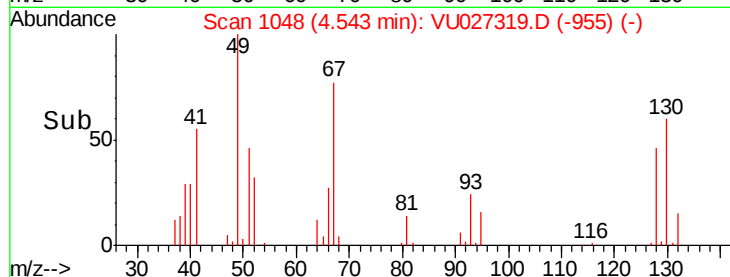
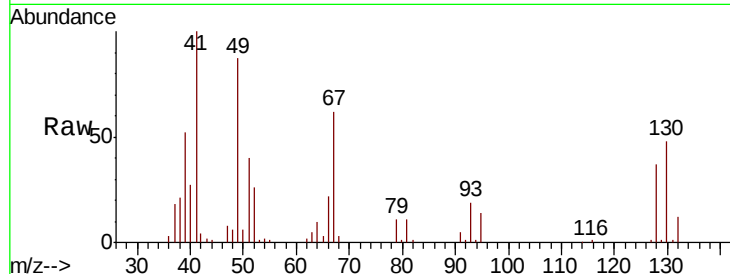




#41  
Methacrylonitrile  
Concen: 51.518 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

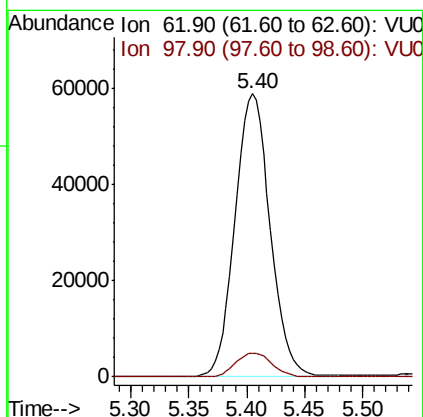
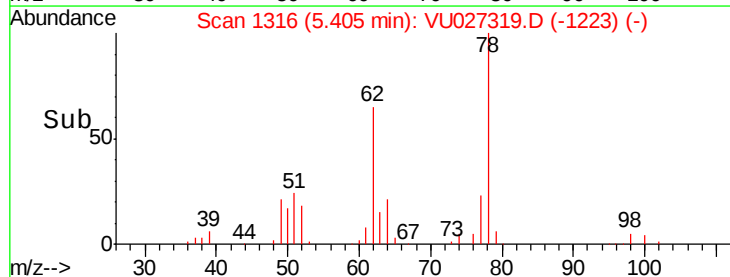
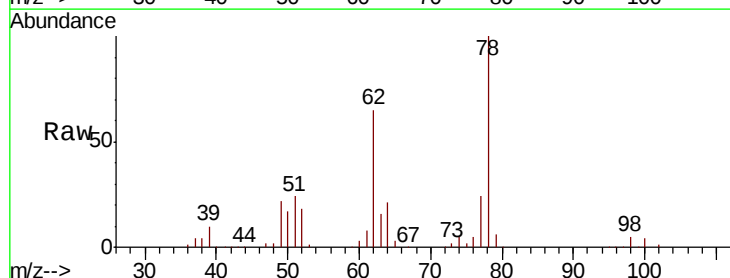
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

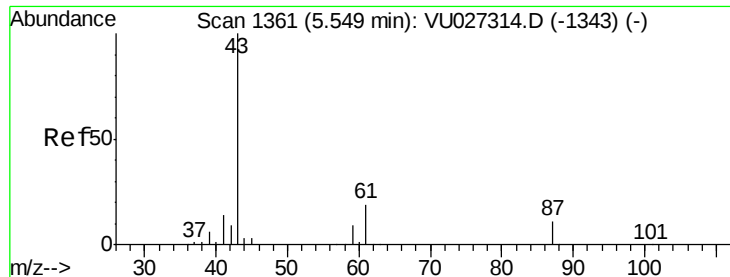
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 84261 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.4  | 41.1  | 61.7  |
| 67       | 63.1  | 50.4  | 75.6  |
| 52       | 25.2  | 20.3  | 30.5  |



#42  
1,2-Dichloroethane  
Concen: 51.450 ug/l  
RT: 5.40 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 124556 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.7   | 0.0   | 16.8   |





#43

Isopropyl Acetate

Concen: 51.761 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

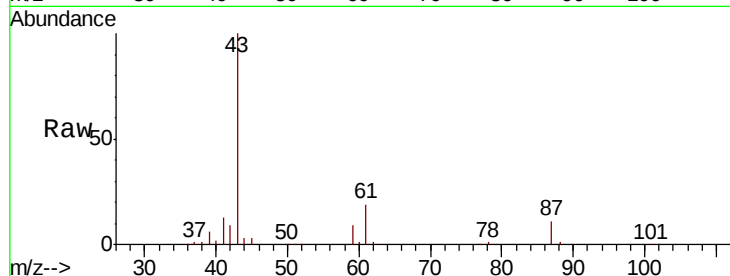
Tot Ion: 43 Resp: 232627

Ion Ratio Lower Upper

43 100

61 19.5 15.3 22.9

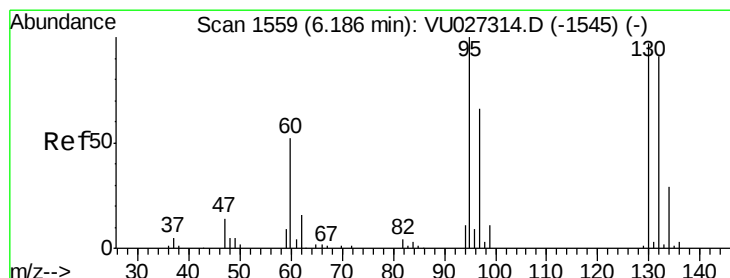
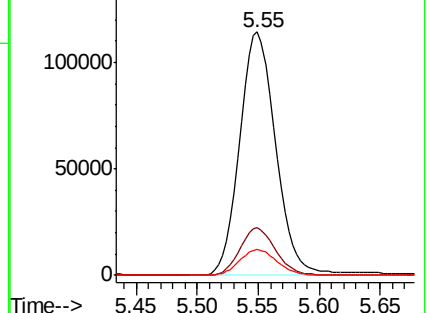
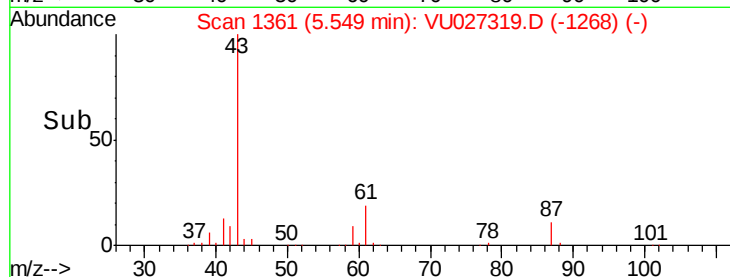
87 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU027319.D (-1268) (-)

Ion 61.00 (60.70 to 61.70): VU027319.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VU027319.D (-1268) (-)



#44

Trichloroethene

Concen: 51.331 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027319.D

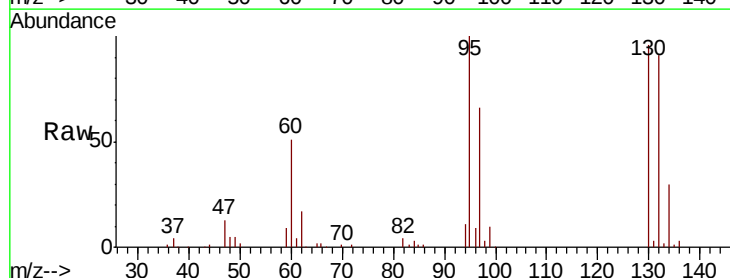
Acq: 01 Oct 2018 13:22

Tgt Ion:130 Resp: 74650

Ion Ratio Lower Upper

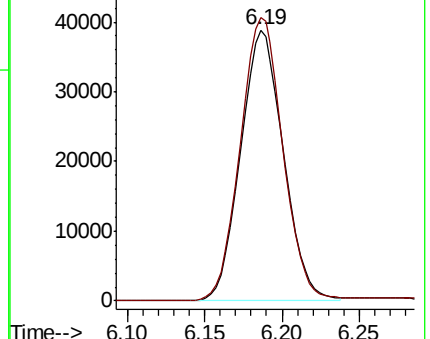
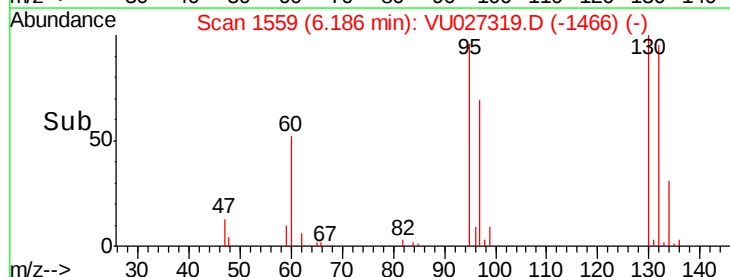
130 100

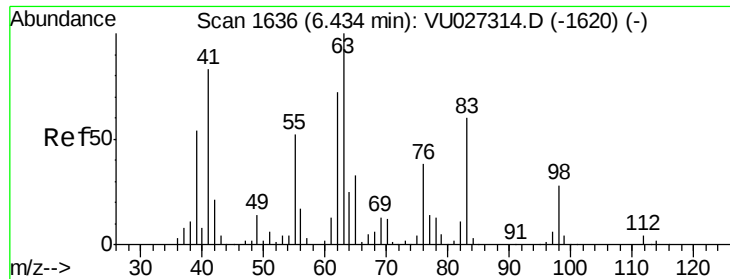
95 104.6 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VU027319.D (-1466) (-)

Ion 94.90 (94.60 to 95.60): VU027319.D (-1466) (-)





#45

1,2-Dichloropropane

Concen: 52.160 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

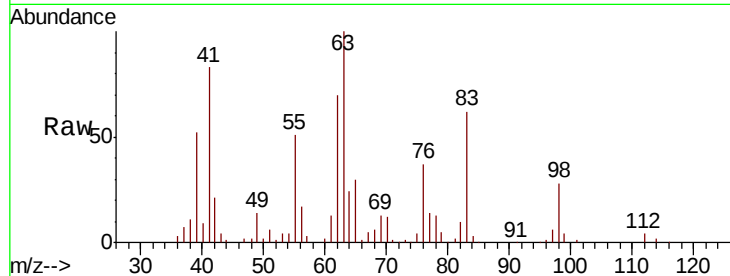
ICVVU100118

Tot Ion: 63 Resp: 98122

Ion Ratio Lower Upper

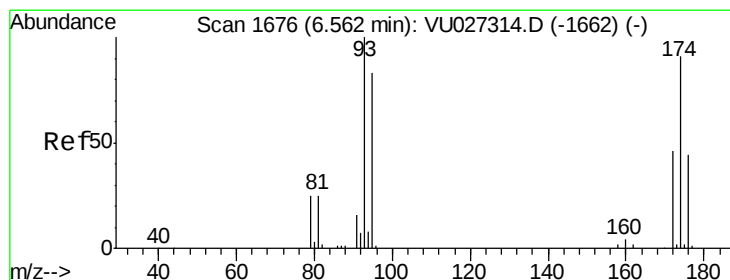
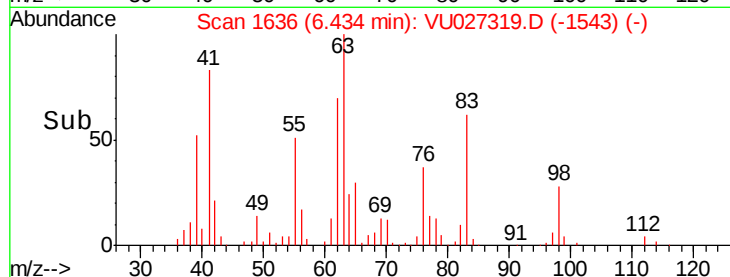
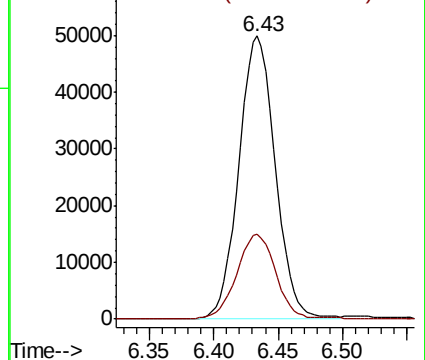
63 100

65 30.1 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 52.951 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

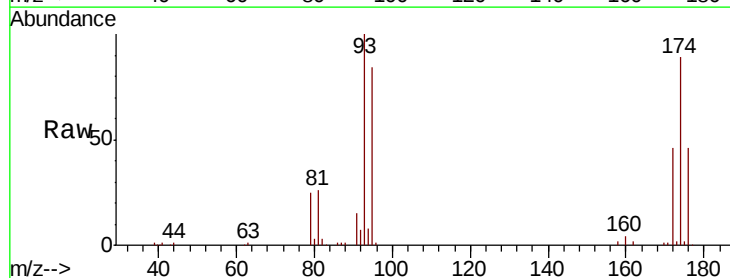
Tgt Ion: 93 Resp: 56258

Ion Ratio Lower Upper

93 100

95 82.5 66.5 99.7

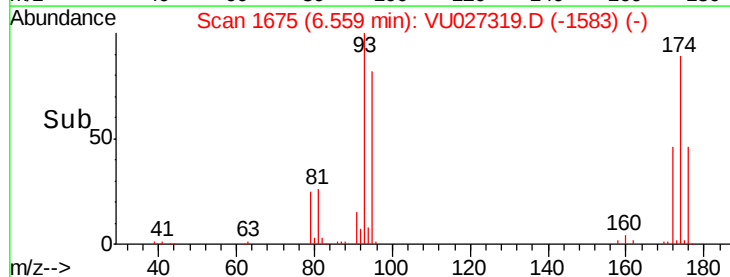
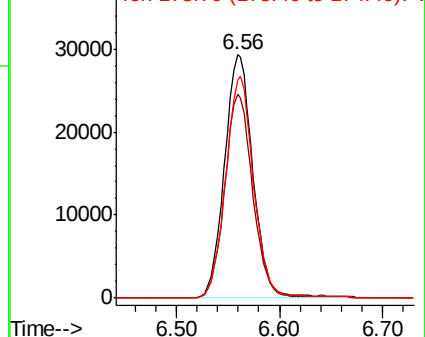
174 89.2 72.5 108.7

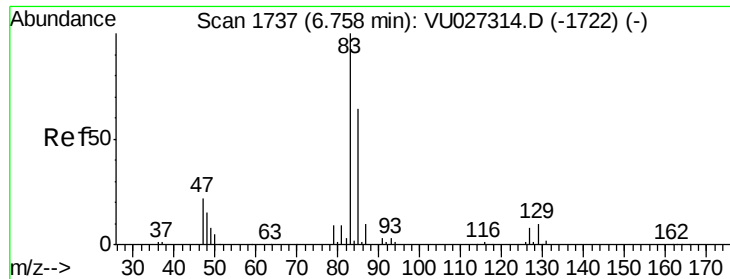


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.939 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

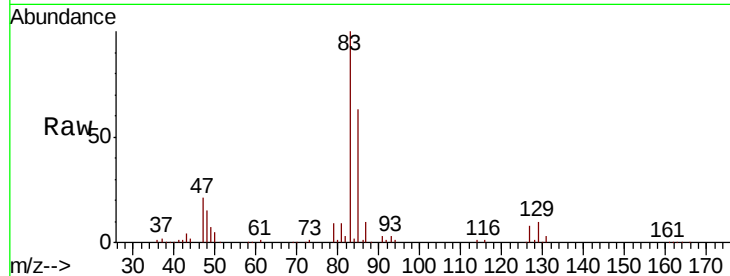
Tot Ion: 83 Resp: 114505

Ion Ratio Lower Upper

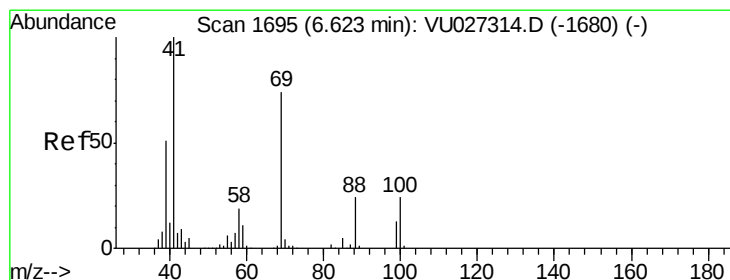
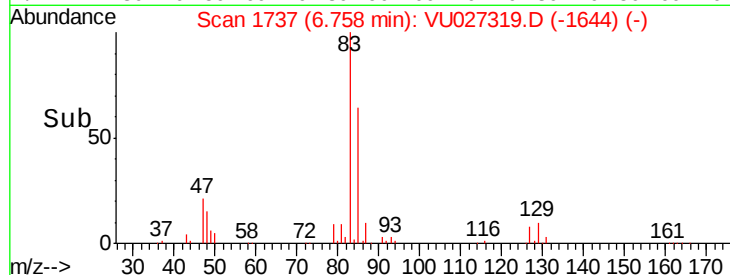
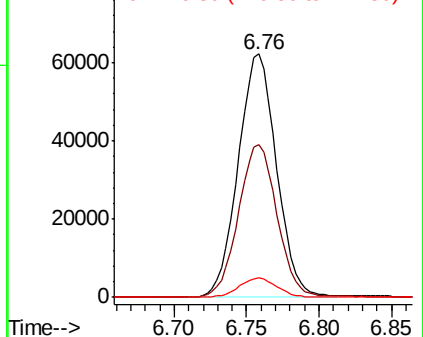
83 100

85 62.6 51.4 77.0

127 8.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU0  
Ion 84.90 (84.60 to 85.60): VU0  
Ion 126.80 (126.50 to 127.50): VU0



#48

Methyl methacrylate

Concen: 53.234 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

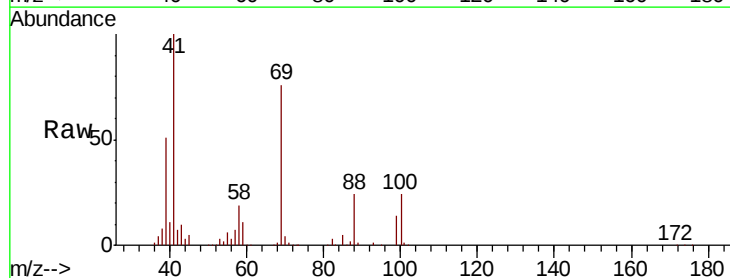
Tgt Ion: 41 Resp: 118974

Ion Ratio Lower Upper

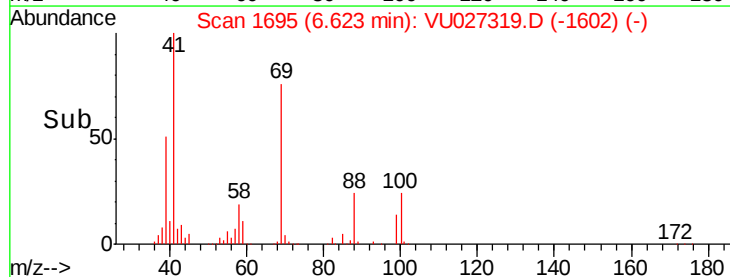
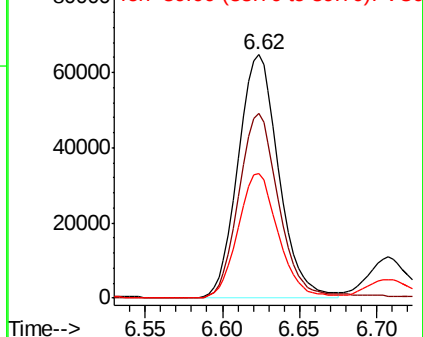
41 100

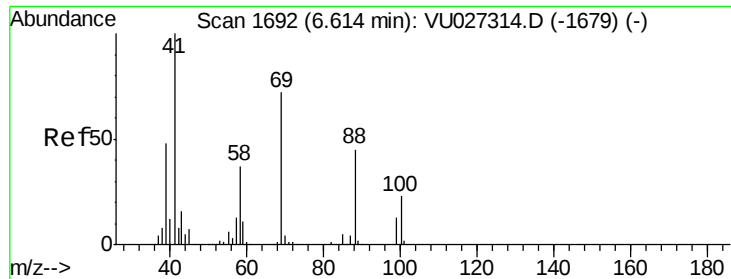
69 76.2 61.0 91.4

39 50.6 39.9 59.9



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

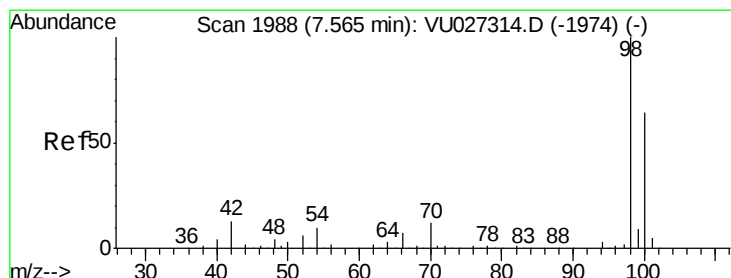
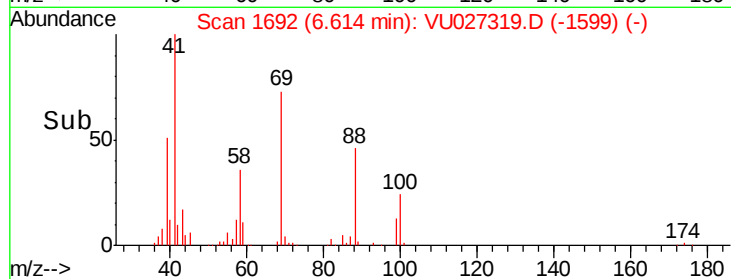
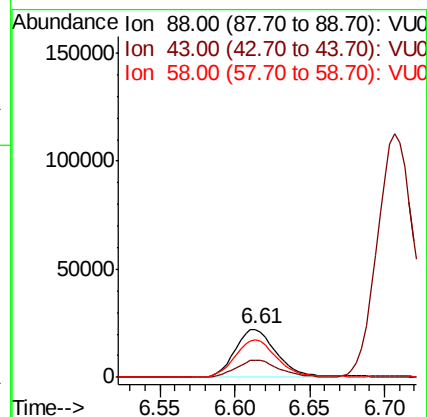
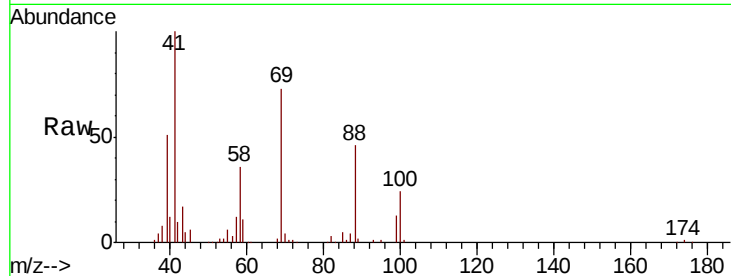




#49  
1,4-Dioxane  
Concen: 1128.288 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

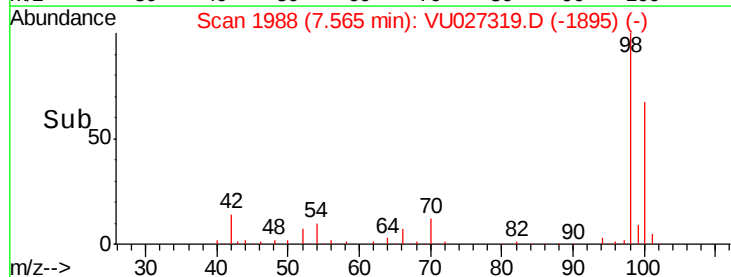
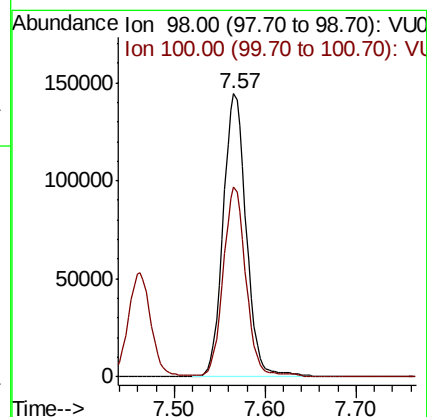
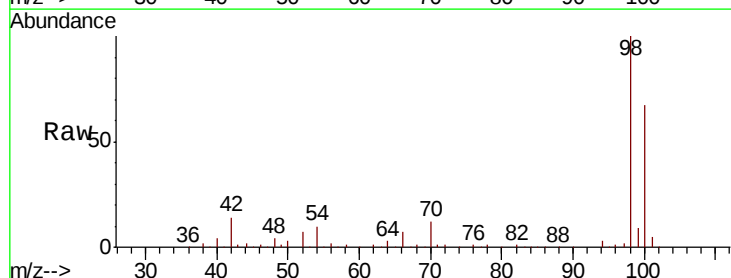
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

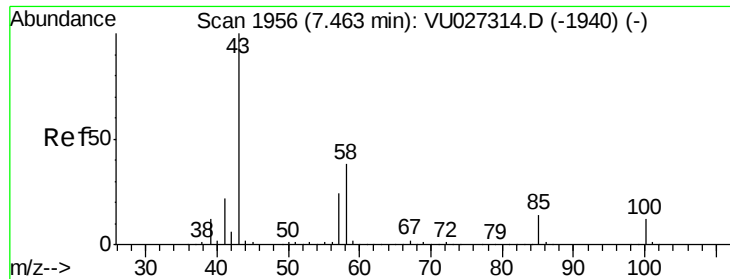
Tot Ion: 88 Resp: 43387  
Ion Ratio Lower Upper  
88 100  
43 36.3 30.8 46.2  
58 79.2 67.0 100.6



#50  
Toluene-d8  
Concen: 48.288 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion: 98 Resp: 255415  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 261.113 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

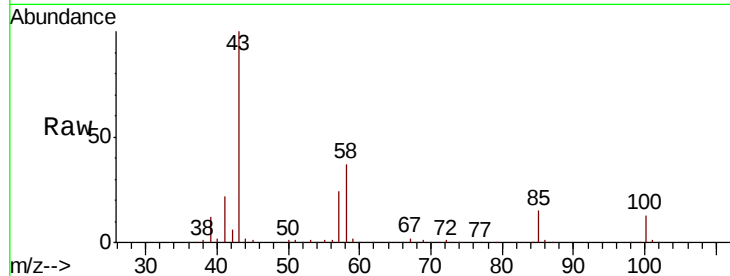
ICVVU100118

Tot Ion: 43 Resp: 762561

Ion Ratio Lower Upper

43 100

58 37.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

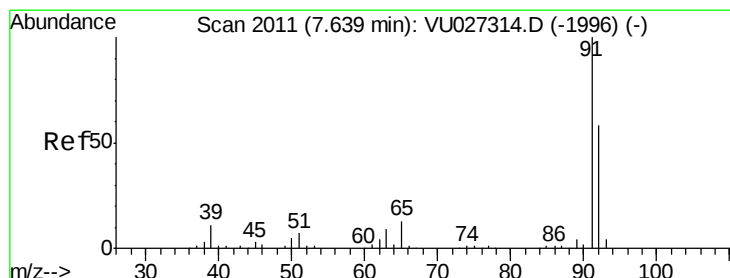
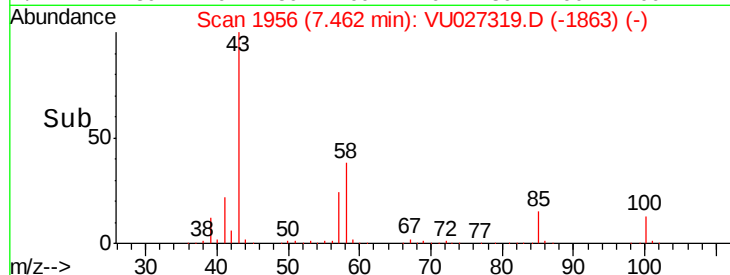
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.495 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027319.D

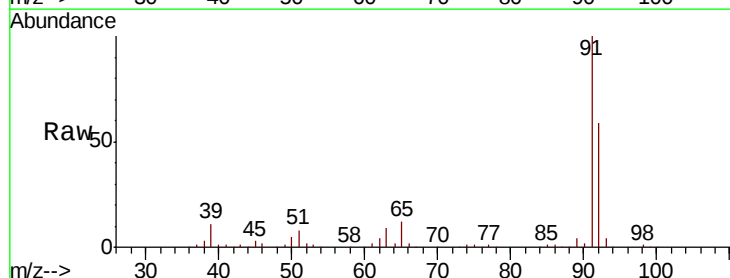
Acq: 01 Oct 2018 13:22

Tgt Ion: 92 Resp: 202648

Ion Ratio Lower Upper

92 100

91 170.5 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

200000

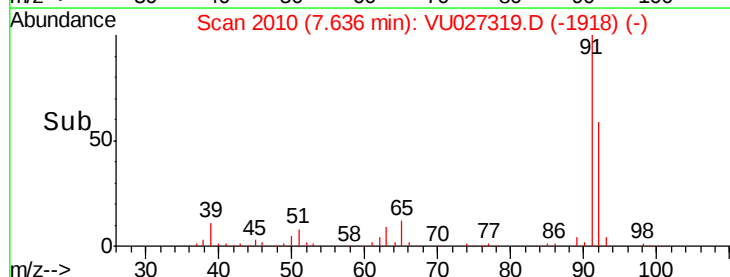
150000

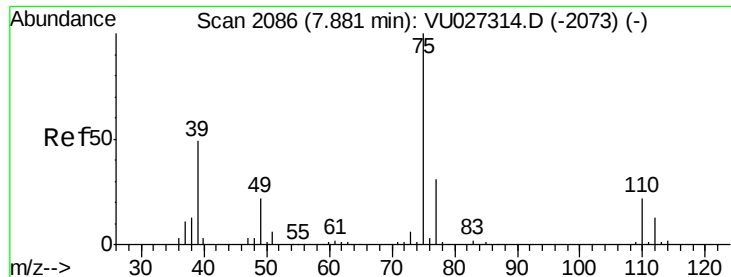
100000

50000

0

Time-->

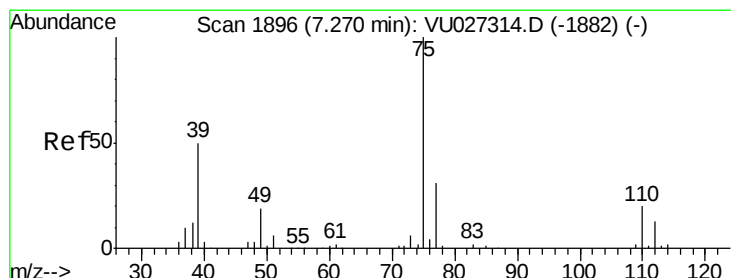
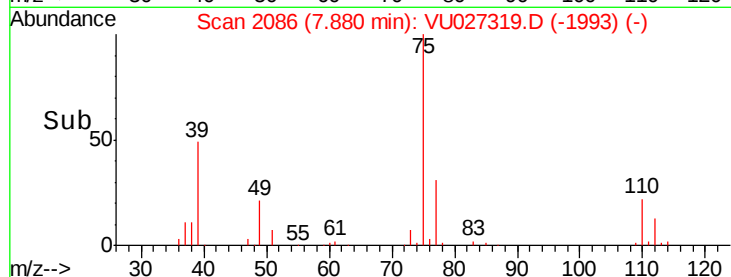
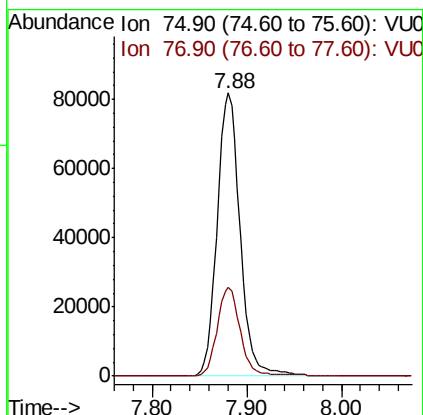
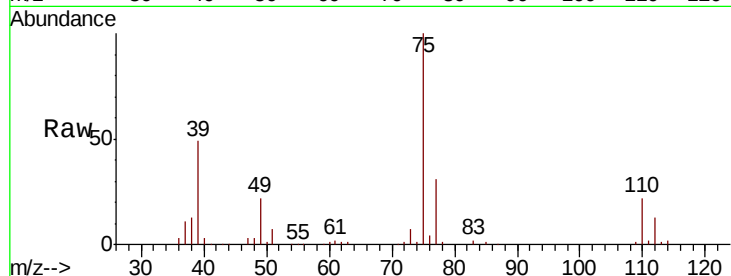




#53  
 t-1,3-Dichloropropene  
 Concen: 53.319 ug/l  
 RT: 7.88 min Scan# 2086  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

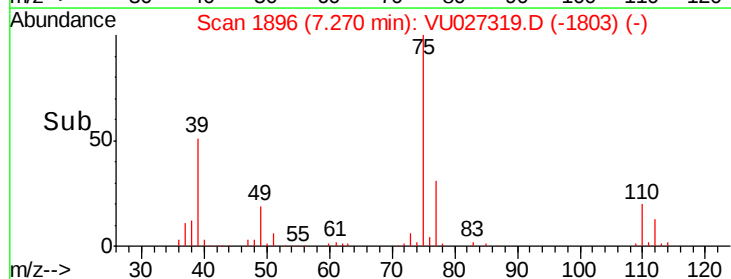
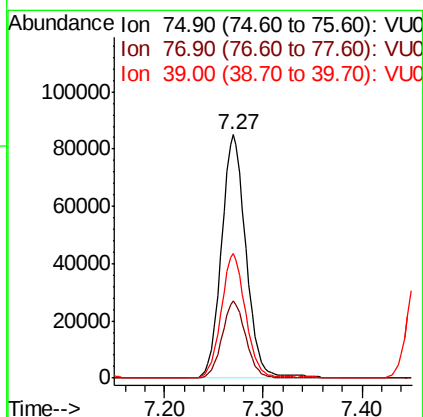
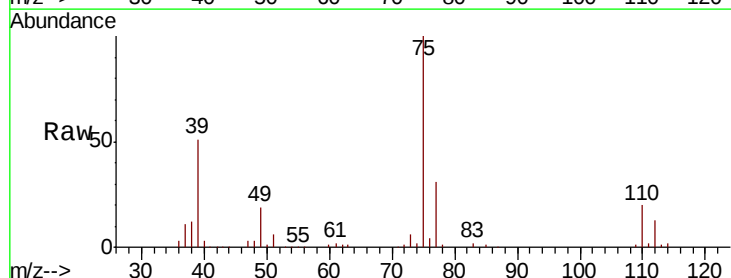
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

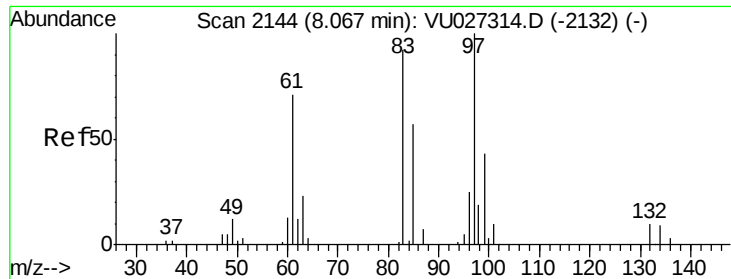
Tot Ion: 75 Resp: 137820  
 Ion Ratio Lower Upper  
 75 100  
 77 31.4 25.0 37.6



#54  
 cis-1,3-Dichloropropene  
 Concen: 53.422 ug/l  
 RT: 7.27 min Scan# 1896  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 75 Resp: 148446  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 24.5 36.7  
 39 51.4 40.1 60.1

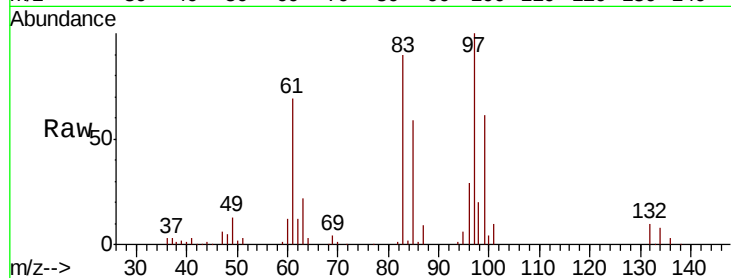




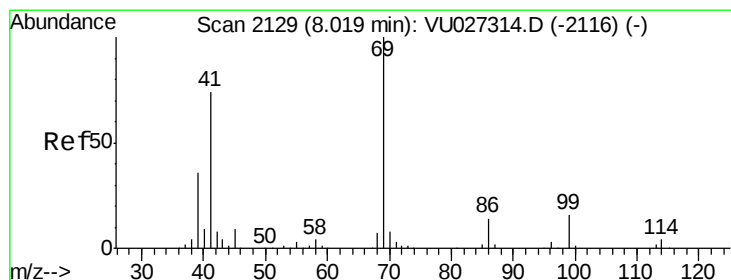
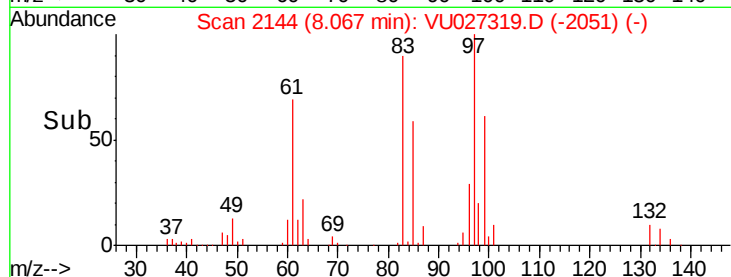
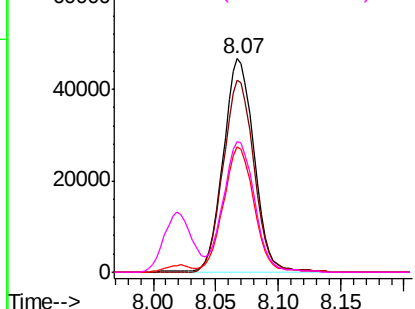
#55  
 1,1,2-Trichloroethane  
 Concen: 51.955 ug/l  
 RT: 8.07 min Scan# 2144  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

| Tot Ion: | 97    | Resp: | 79520 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.2  | 73.0  | 109.6 |
| 85       | 58.6  | 47.3  | 70.9  |
| 99       | 61.1  | 49.7  | 74.5  |

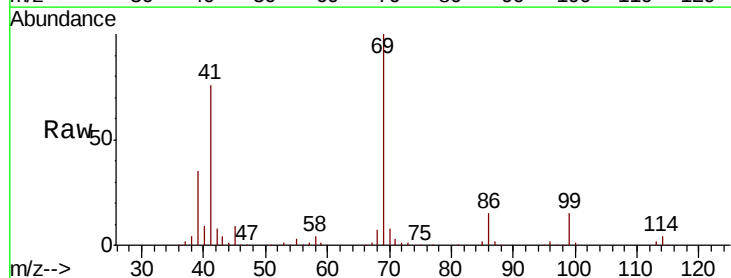


Abundance Ion 96.90 (96.60 to 97.60): VU0  
 Ion 82.90 (82.60 to 83.60): VU0  
 Ion 84.90 (84.60 to 85.60): VU0  
 Ion 98.90 (98.60 to 99.60): VU0

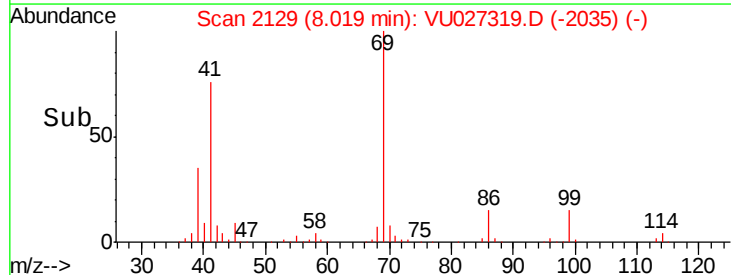
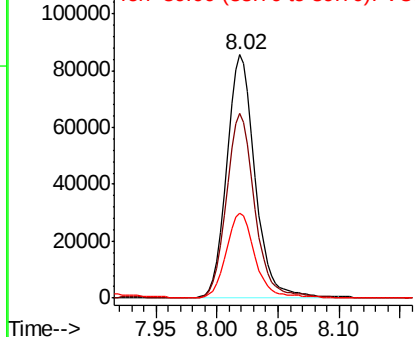


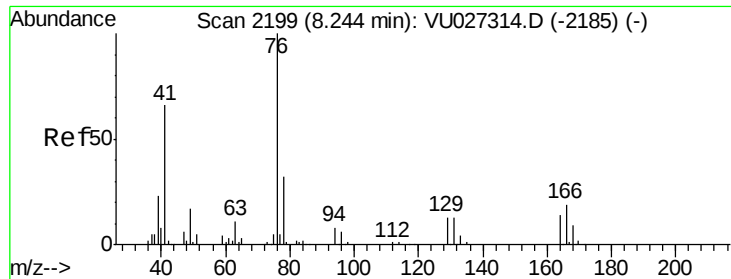
#56  
 Ethyl methacrylate  
 Concen: 47.707 ug/l  
 RT: 8.02 min Scan# 2129  
 Delta R.T. 0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

| Tgt Ion: | 69    | Resp: | 139509 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 76.1  | 60.0  | 90.0   |
| 39       | 35.3  | 29.5  | 44.3   |



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

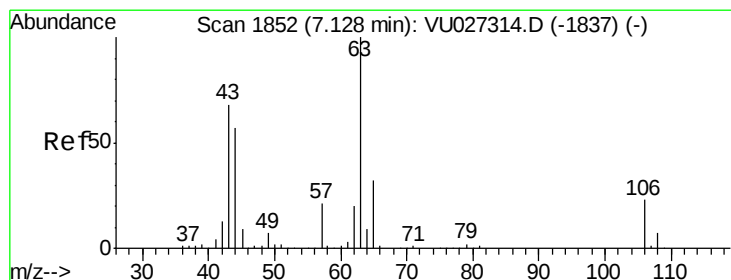
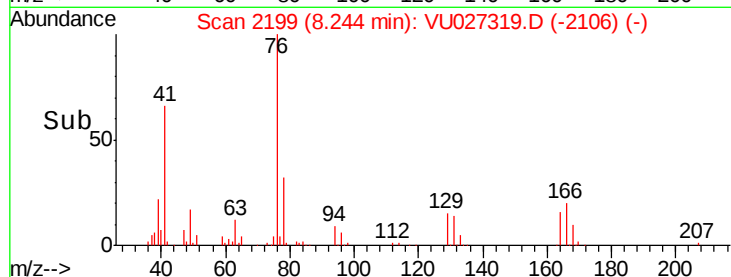
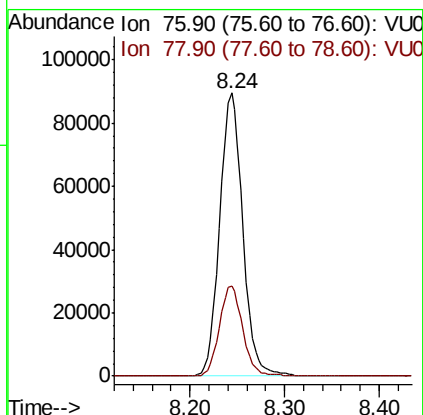
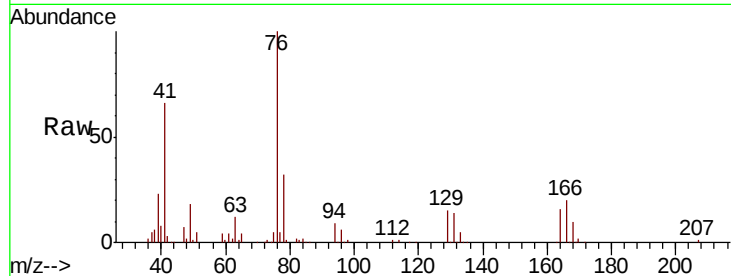




#57  
 1,3-Dichloropropane  
 Concen: 51.061 ug/l  
 RT: 8.24 min Scan# 2199  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

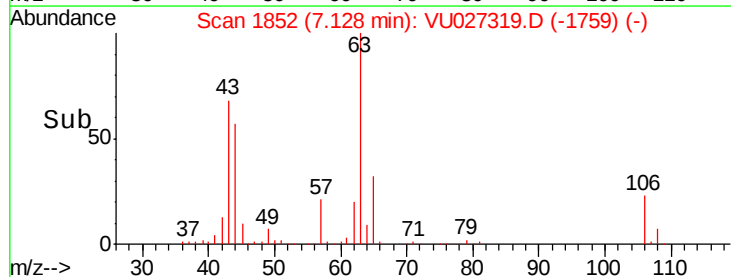
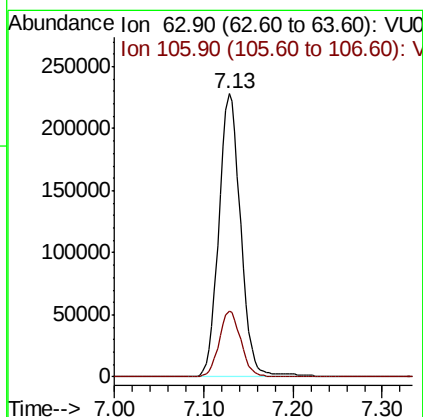
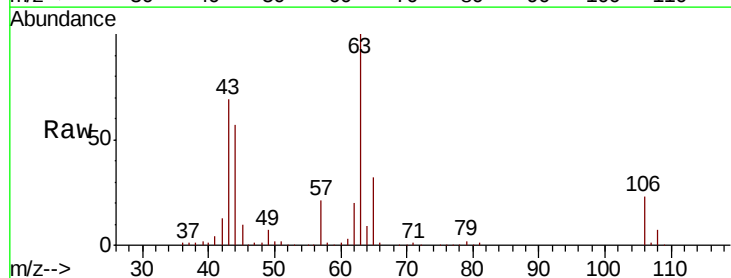
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

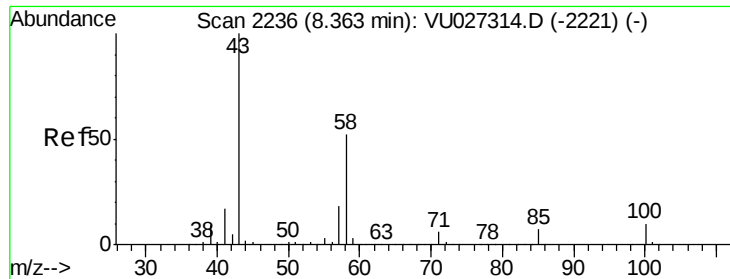
Tot Ion: 76 Resp: 151716  
 Ion Ratio Lower Upper  
 76 100  
 78 32.1 25.8 38.6



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 241.294 ug/l  
 RT: 7.13 min Scan# 1852  
 Delta R.T. 0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 63 Resp: 387911  
 Ion Ratio Lower Upper  
 63 100  
 106 23.3 18.5 27.7

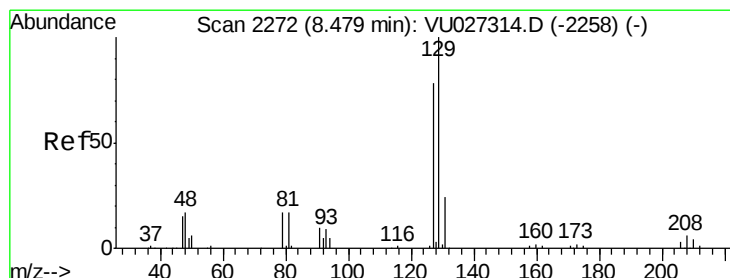
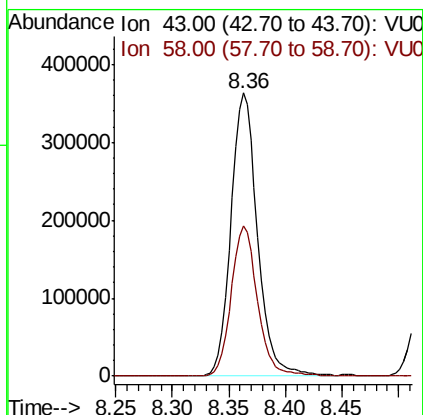
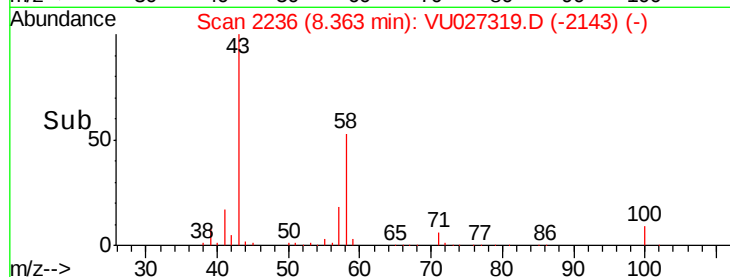
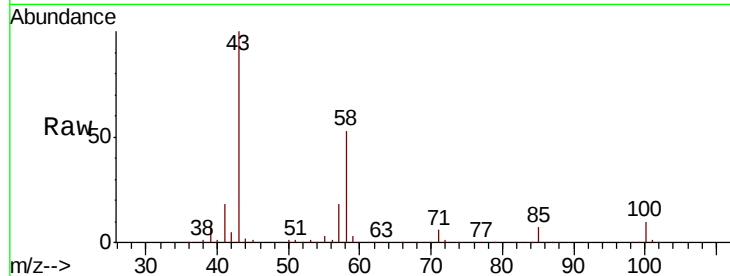




#59  
2-Hexanone  
Concen: 262.187 ug/l  
RT: 8.36 min Scan# 2236  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

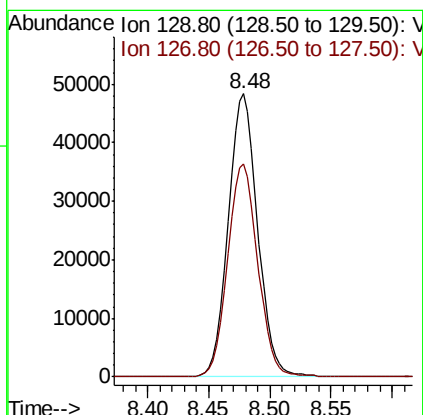
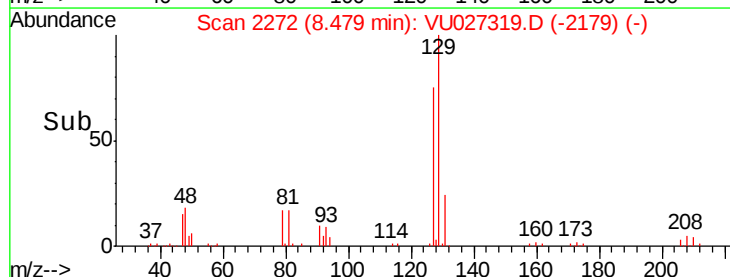
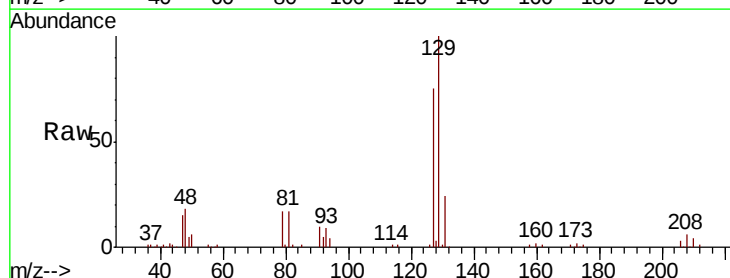
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

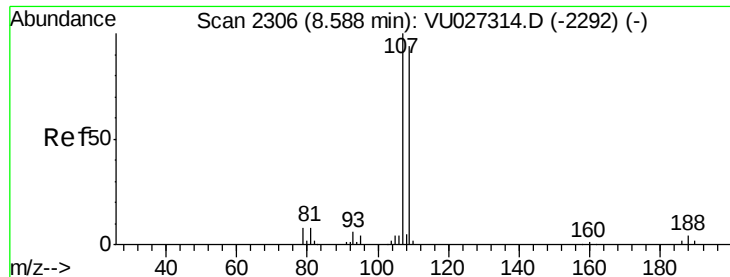
Tot Ion: 43 Resp: 593969  
Ion Ratio Lower Upper  
43 100  
58 52.7 26.1 78.3



#60  
Dibromochloromethane  
Concen: 53.061 ug/l  
RT: 8.48 min Scan# 2272  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion: 129 Resp: 81453  
Ion Ratio Lower Upper  
129 100  
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 51.561 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

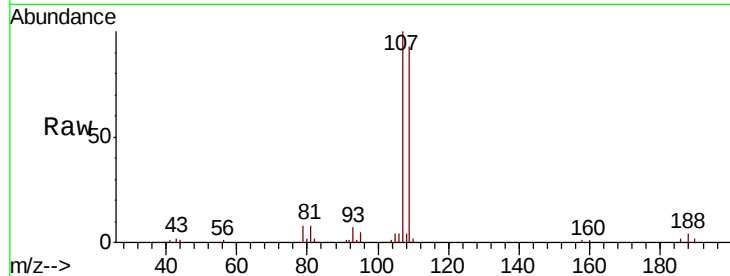
ICVVU100118

Tot Ion:107 Resp: 83907

Ion Ratio Lower Upper

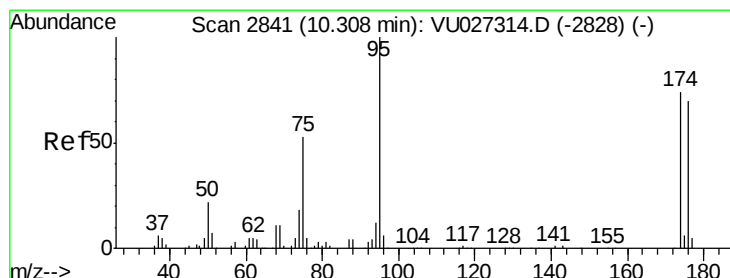
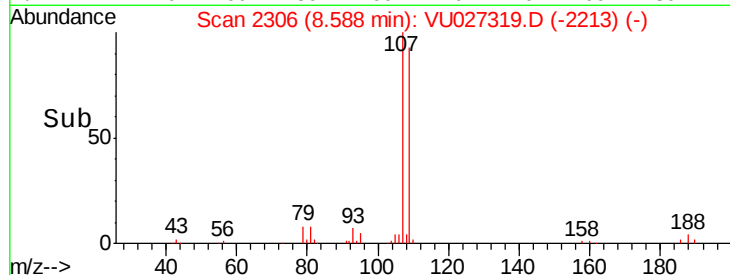
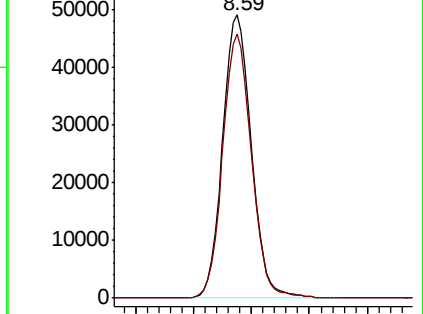
107 100

109 93.3 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.398 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

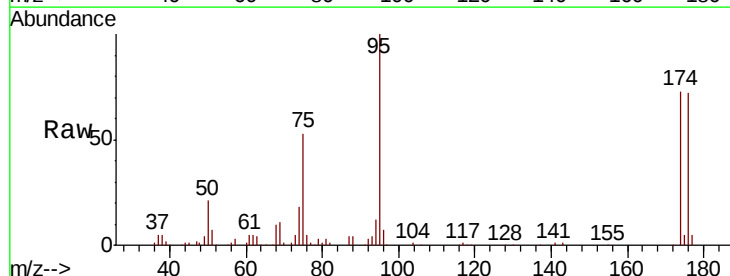
Tgt Ion: 95 Resp: 93172

Ion Ratio Lower Upper

95 100

174 73.4 0.0 147.8

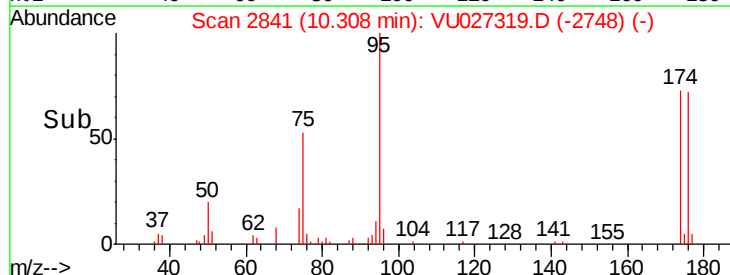
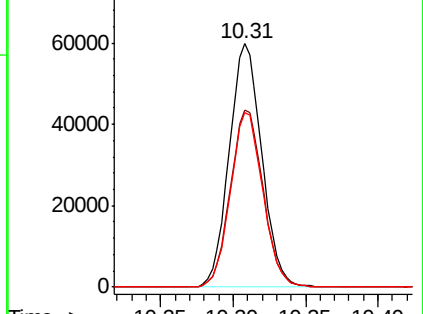
176 71.7 0.0 140.8

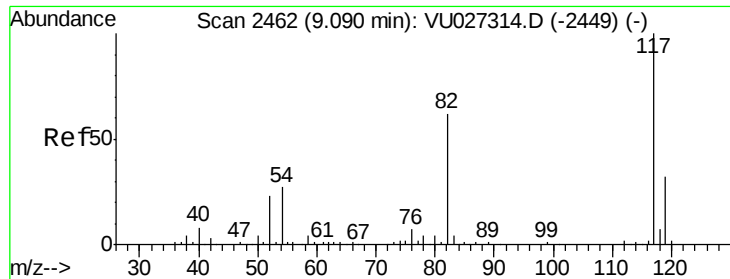


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

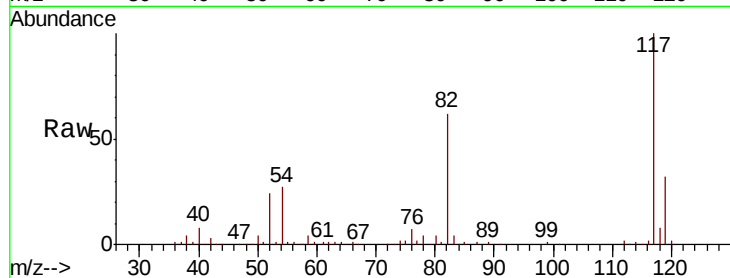




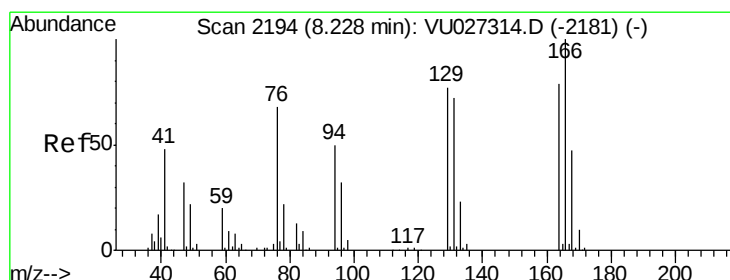
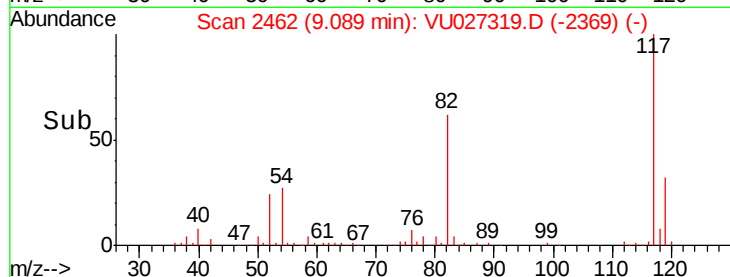
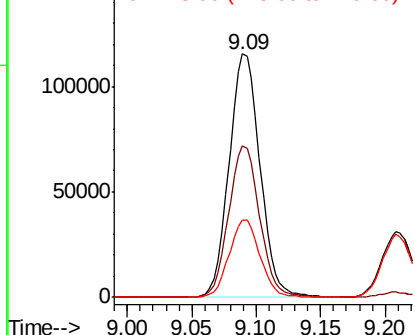
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

Tot Ion:117 Resp: 192751  
Ion Ratio Lower Upper  
117 100  
82 62.2 49.2 73.8  
119 31.7 25.7 38.5



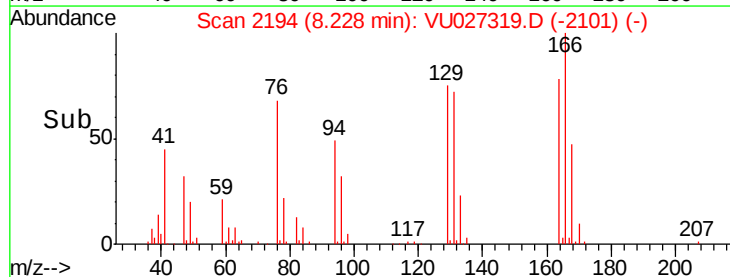
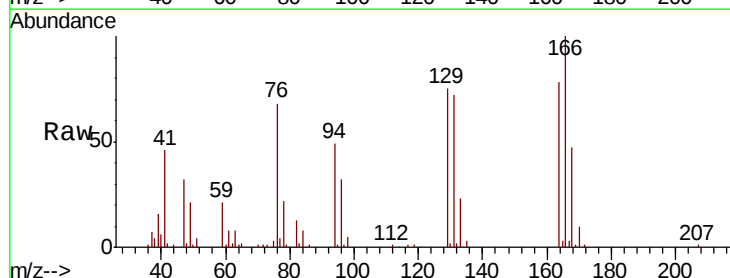
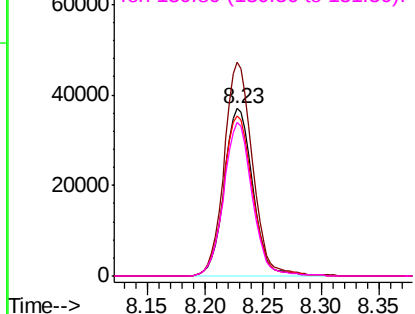
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

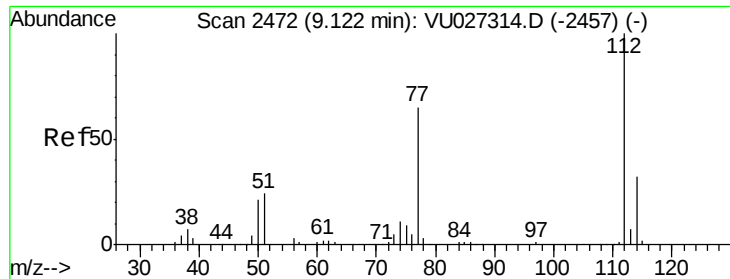


#64  
Tetrachloroethene  
Concen: 52.957 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion:164 Resp: 63544  
Ion Ratio Lower Upper  
164 100  
166 127.8 101.0 151.6  
129 95.9 78.0 117.0  
131 91.8 72.6 109.0

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

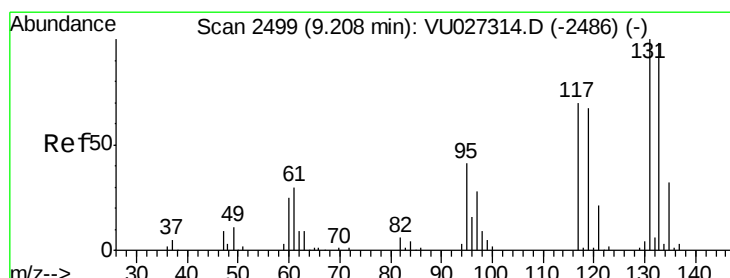
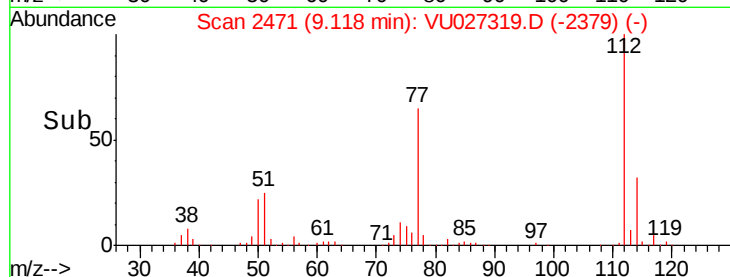
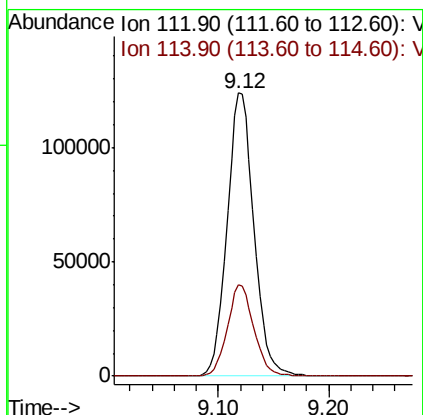
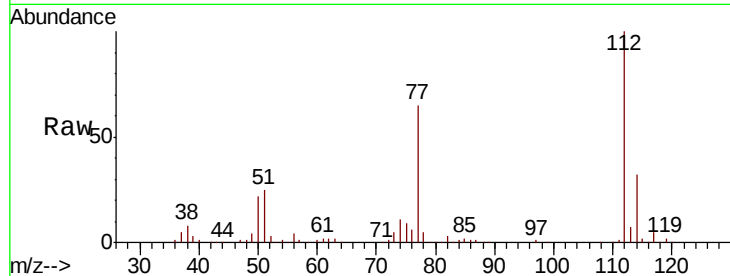




#65  
Chlorobenzene  
Concen: 51.560 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

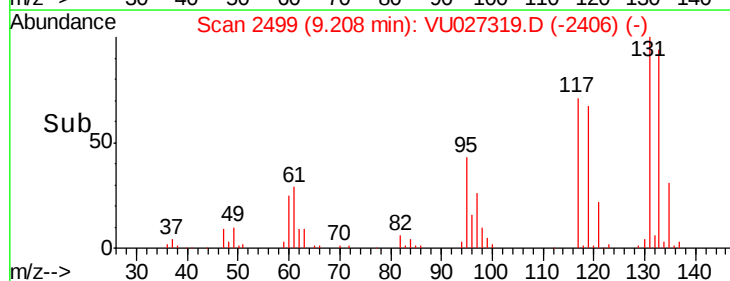
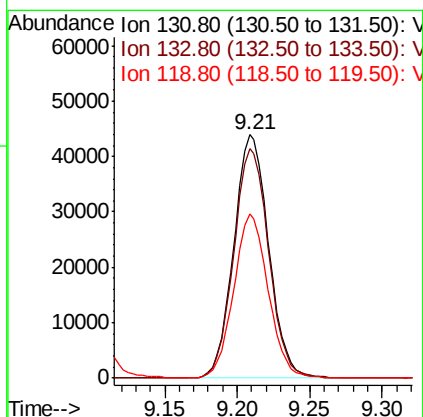
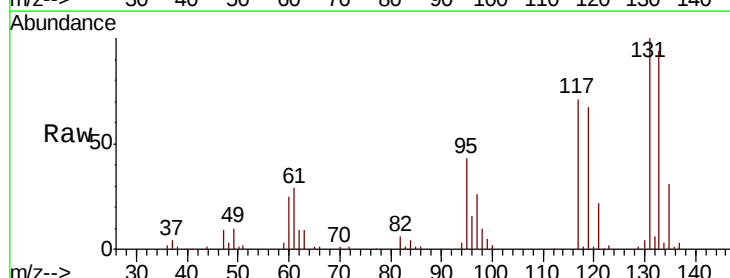
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

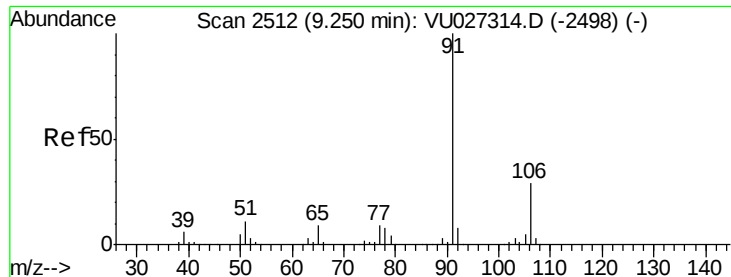
Tot Ion:112 Resp: 209194  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.403 ug/l  
RT: 9.21 min Scan# 2499  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion:131 Resp: 73398  
Ion Ratio Lower Upper  
131 100  
133 94.7 48.5 145.6  
119 66.6 33.5 100.4

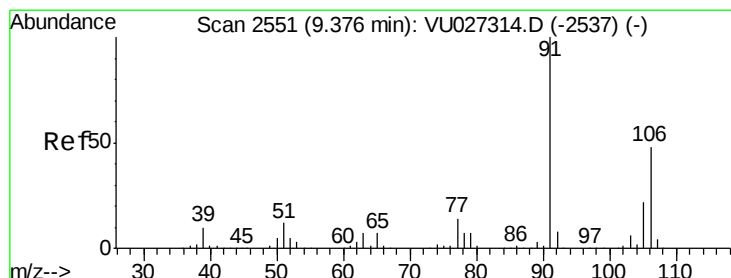
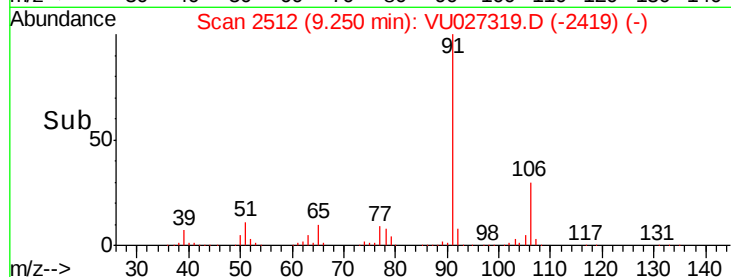
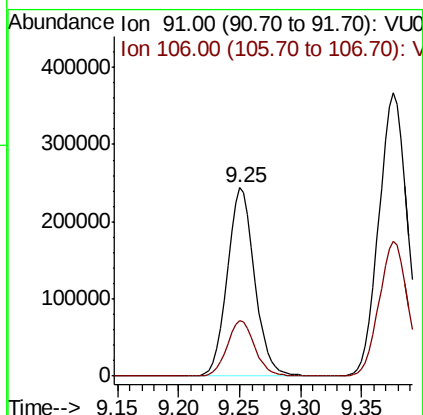
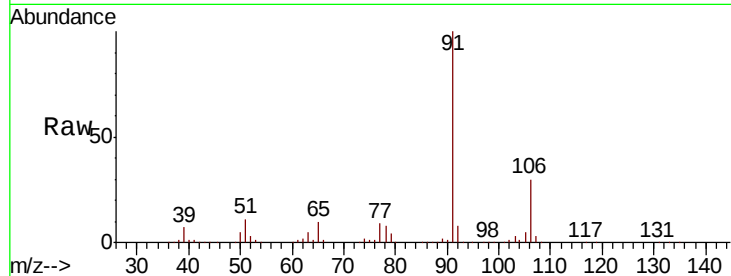




#67  
Ethyl Benzene  
Concen: 53.353 ug/l  
RT: 9.25 min Scan# 2512  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

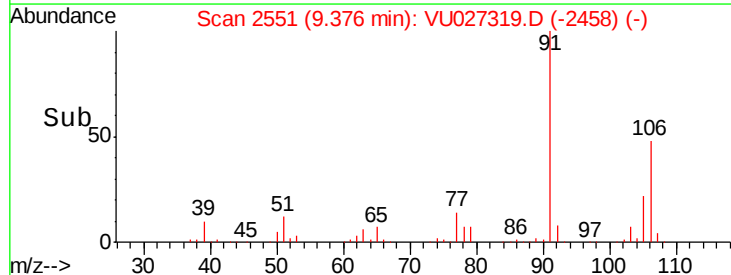
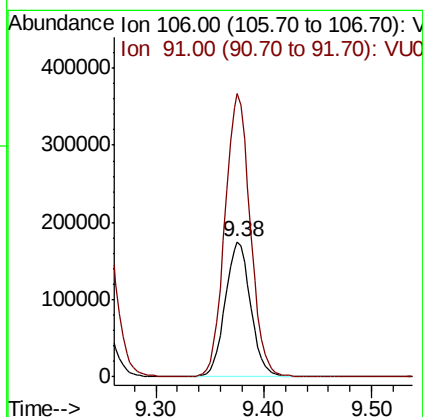
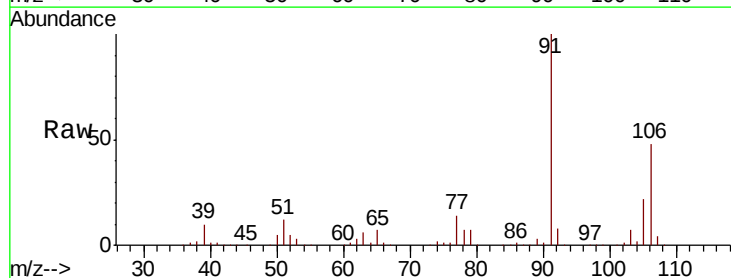
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

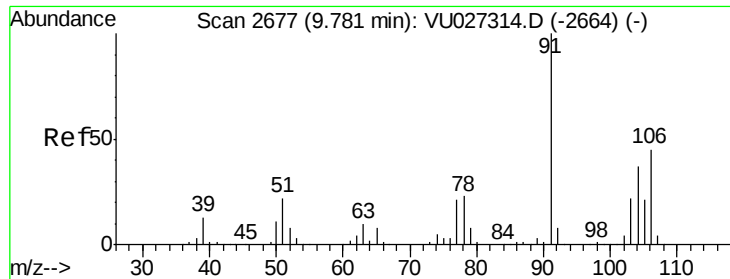
Tot Ion: 91 Resp: 383517  
Ion Ratio Lower Upper  
91 100  
106 29.5 23.6 35.4



#68  
m/p-Xylenes  
Concen: 108.940 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion: 106 Resp: 286444  
Ion Ratio Lower Upper  
106 100  
91 210.2 168.1 252.1

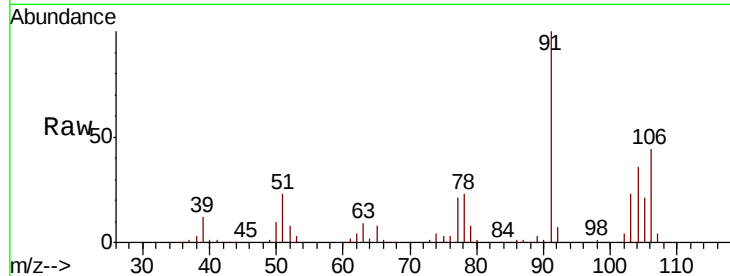




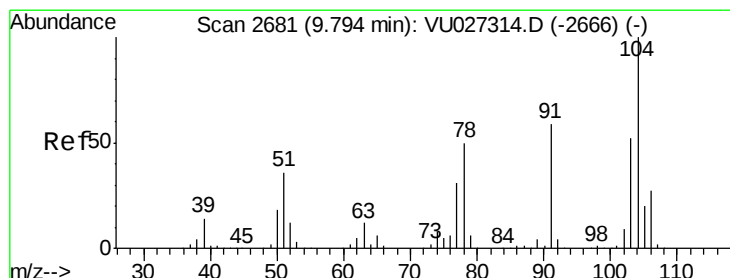
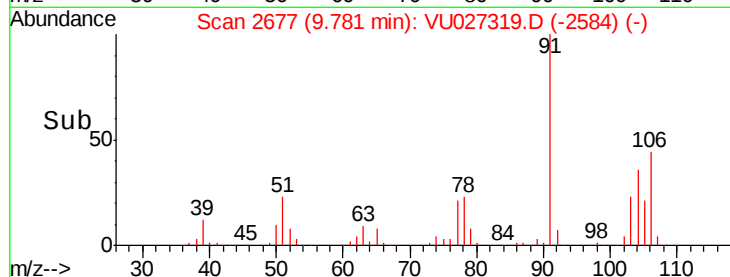
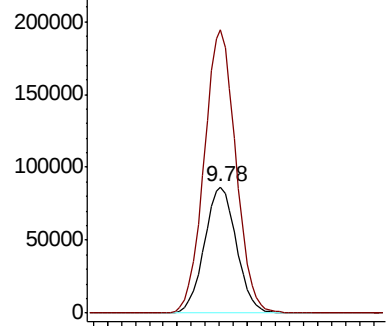
#69  
o-Xylene  
Concen: 55.090 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

Tot Ion:106 Resp: 137653  
Ion Ratio Lower Upper  
106 100  
91 221.7 111.7 334.9

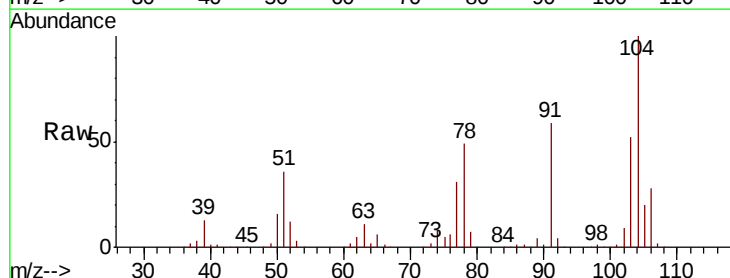


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

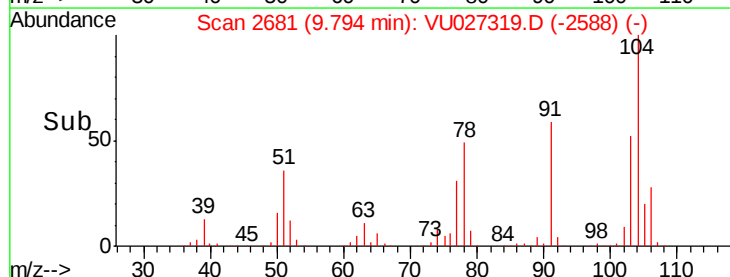
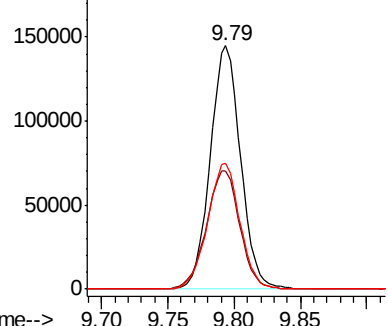


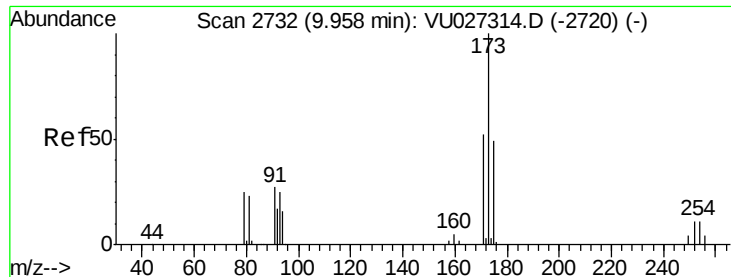
#70  
Styrene  
Concen: 49.346 ug/l  
RT: 9.79 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion:104 Resp: 230334  
Ion Ratio Lower Upper  
104 100  
78 53.3 42.9 64.3  
103 55.0 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.056 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

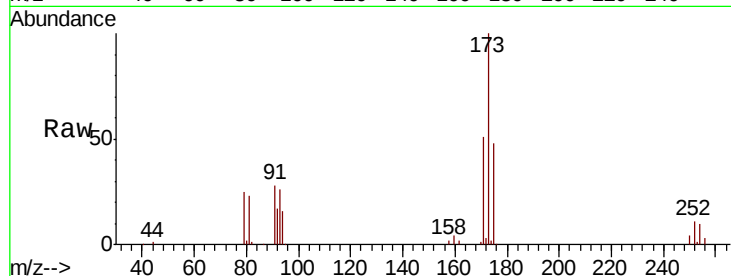
Tot Ion:173 Resp: 58661

Ion Ratio Lower Upper

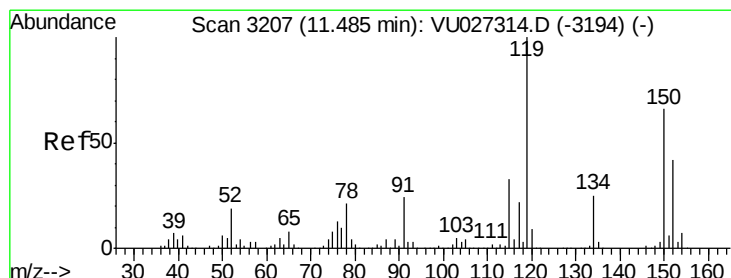
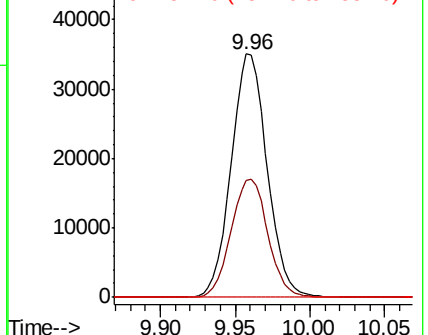
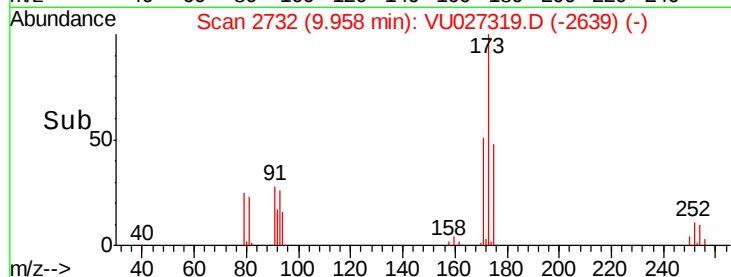
173 100

175 49.6 24.3 73.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

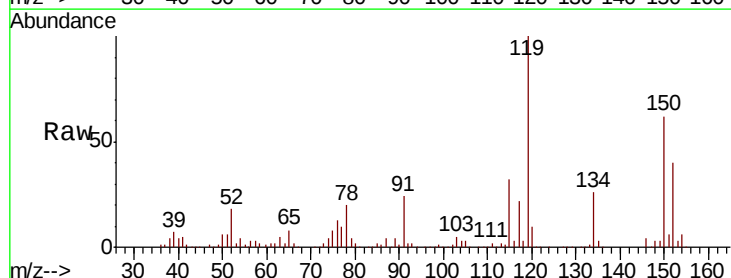
Tgt Ion:152 Resp: 96889

Ion Ratio Lower Upper

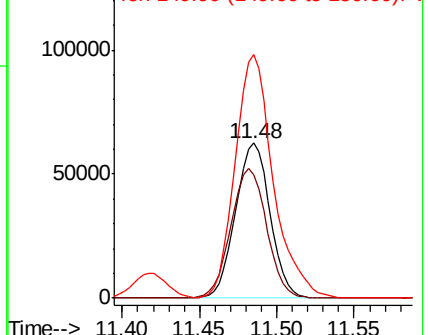
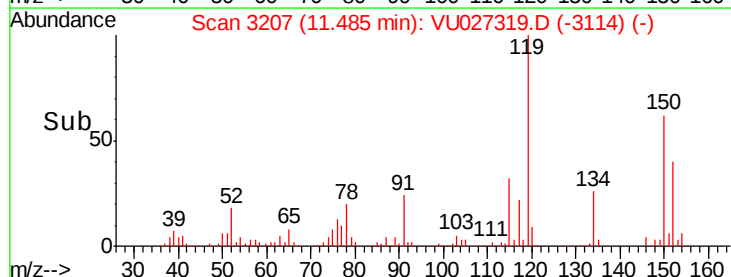
152 100

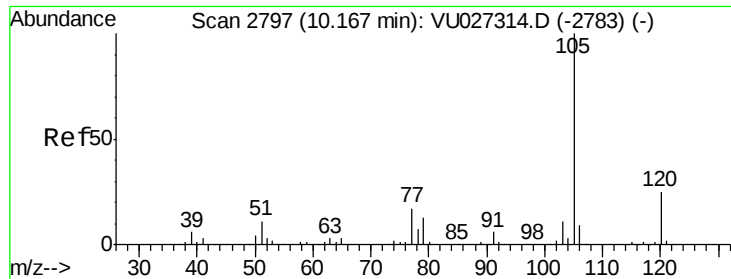
115 86.5 43.4 130.2

150 173.2 0.0 349.2



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: 53.253 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

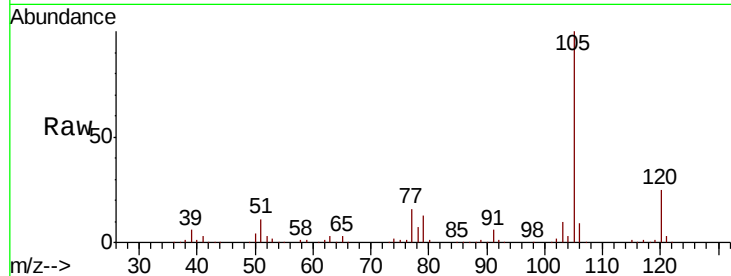
ICVVU100118

Tot Ion:105 Resp: 374736

Ion Ratio Lower Upper

105 100

120 25.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

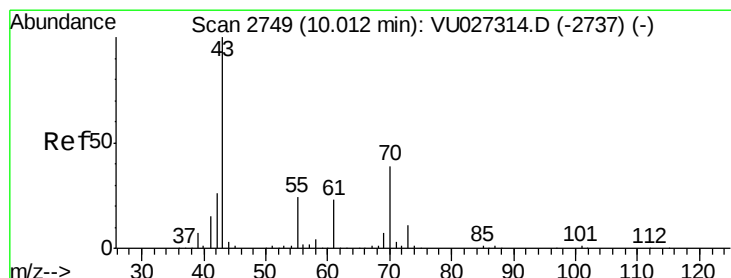
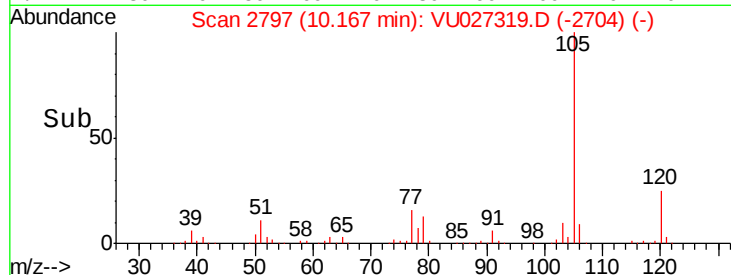
0

10.10

10.17

10.20

Time-->



#74

N-ethyl acetate

Concen: 52.882 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion: 43 Resp: 213037

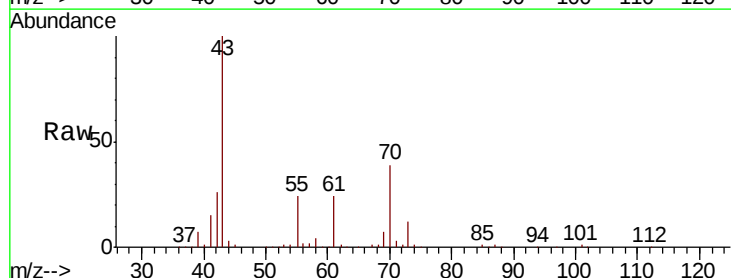
Ion Ratio Lower Upper

43 100

70 38.5 31.3 46.9

55 23.7 19.0 28.6

61 23.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

200000

150000

100000

50000

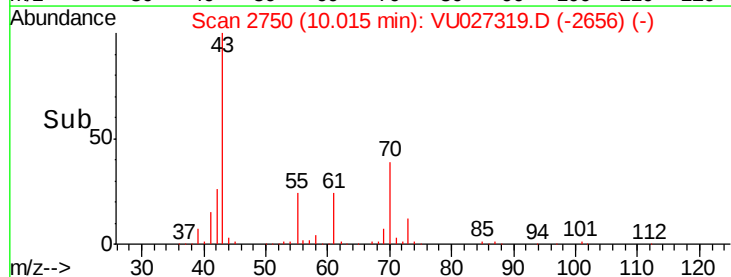
0

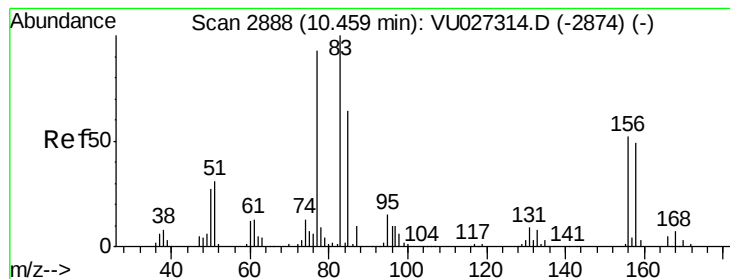
10.00

10.02

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.782 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

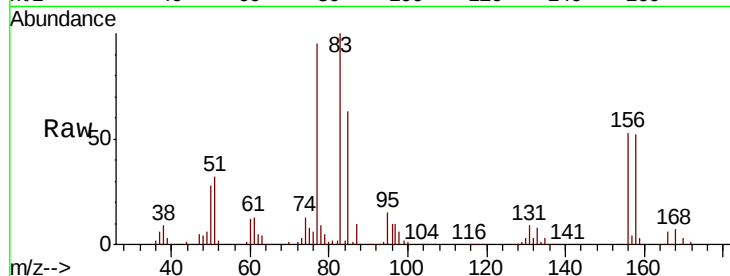
Tot Ion: 83 Resp: 137552

Ion Ratio Lower Upper

83 100

131 8.5 4.4 13.2

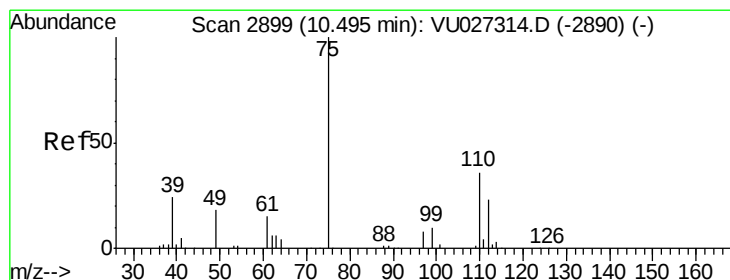
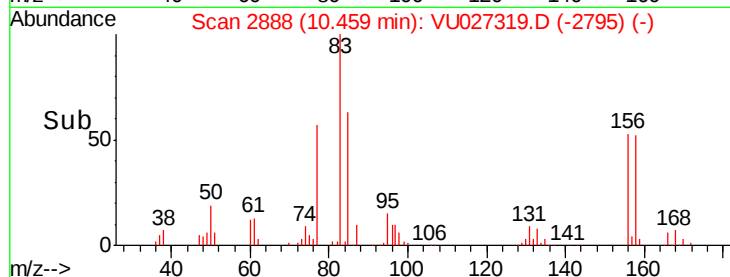
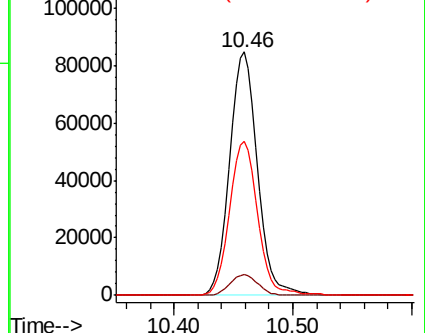
85 64.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 65.881 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027319.D

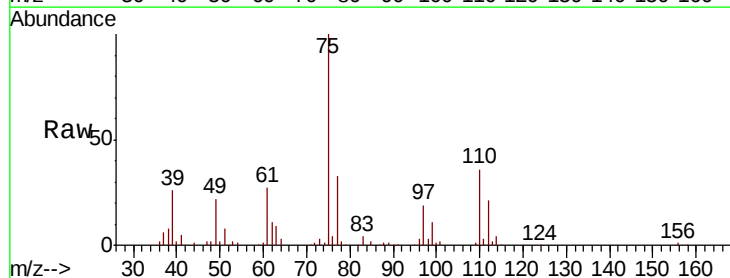
Acq: 01 Oct 2018 13:22

Tgt Ion: 75 Resp: 165467

Ion Ratio Lower Upper

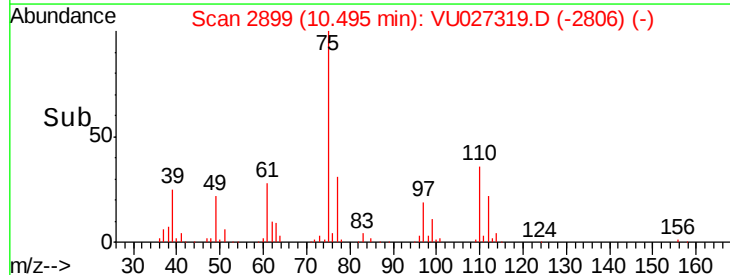
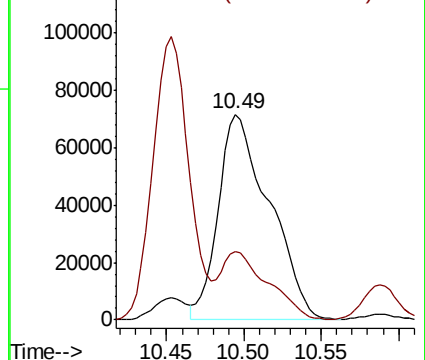
75 100

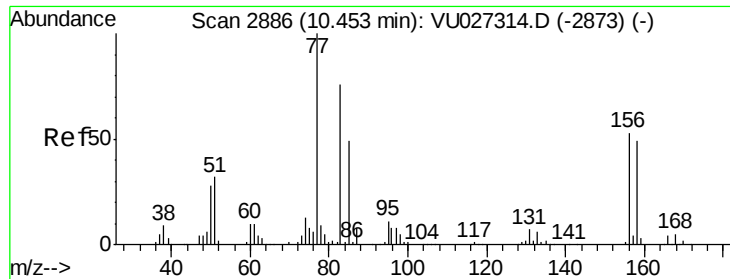
77 29.4 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 51.357 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

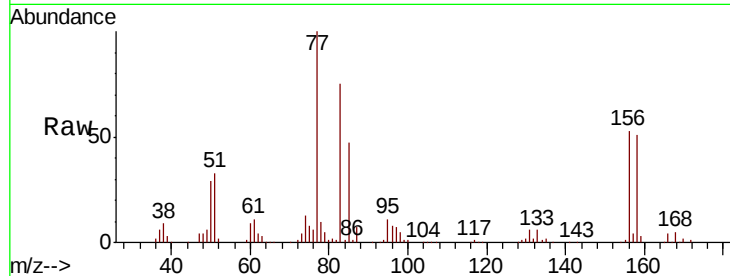
Tot Ion:156 Resp: 83989

Ion Ratio Lower Upper

156 100

77 190.5 94.8 284.4

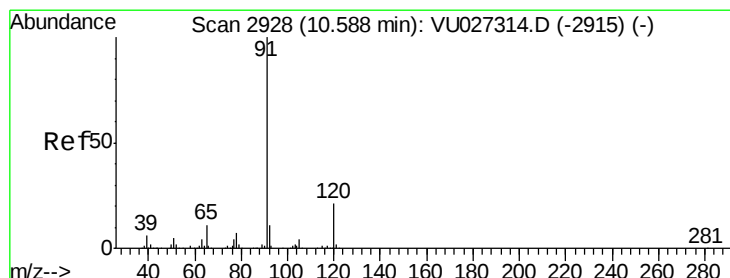
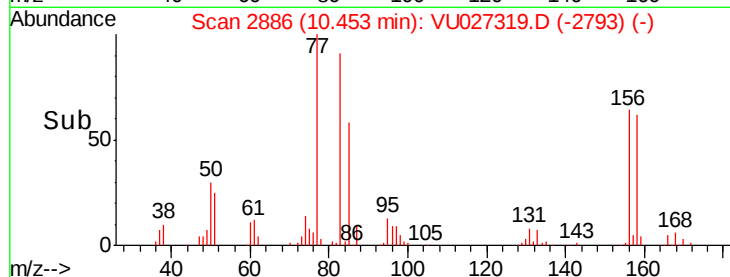
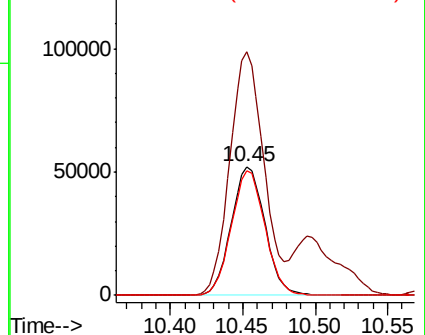
158 96.9 47.4 142.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.385 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027319.D

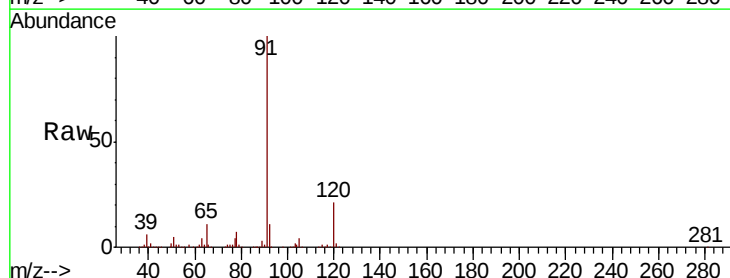
Acq: 01 Oct 2018 13:22

Tgt Ion: 91 Resp: 459867

Ion Ratio Lower Upper

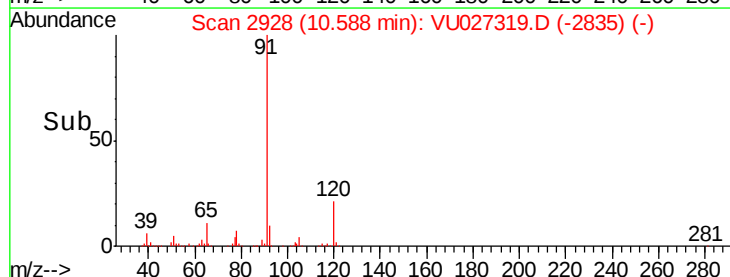
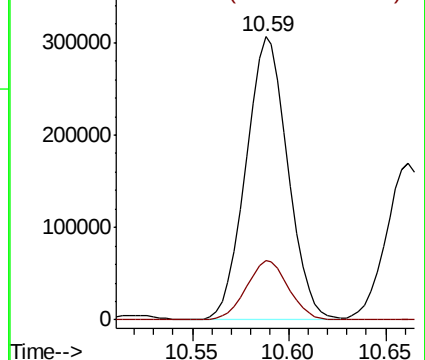
91 100

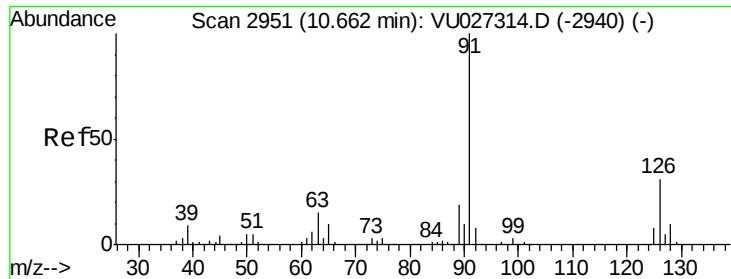
120 21.2 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

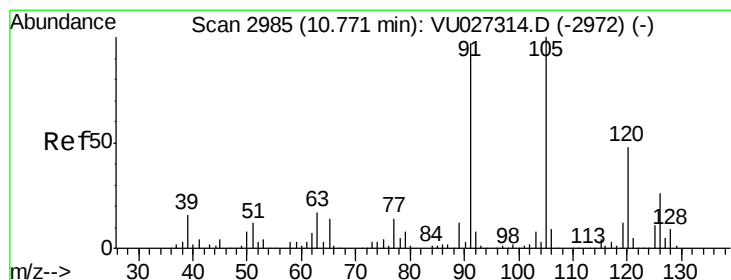
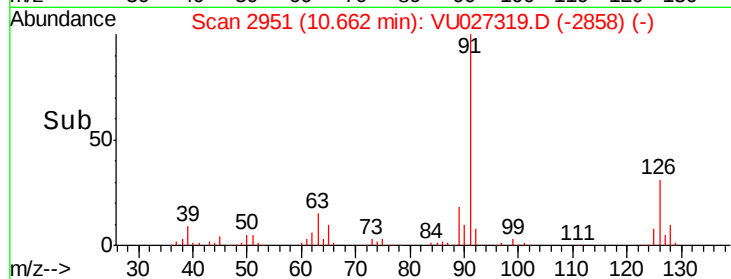
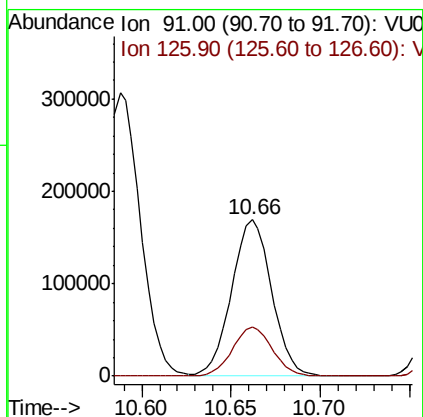
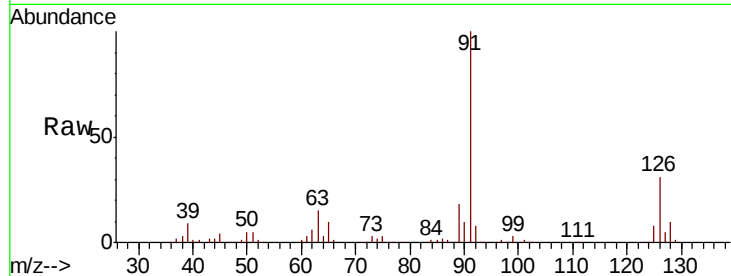




#79  
 2-Chlorotoluene  
 Concen: 51.739 ug/l  
 RT: 10.66 min Scan# 2951  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

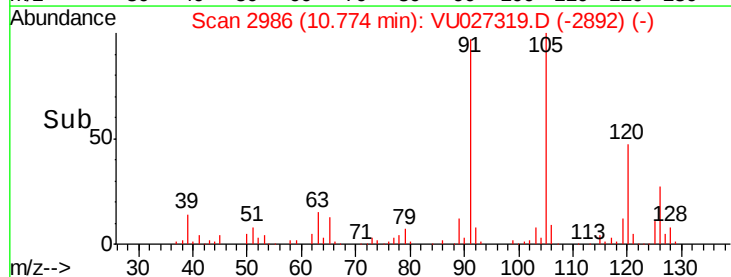
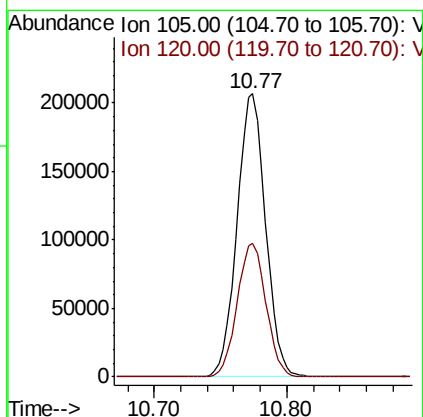
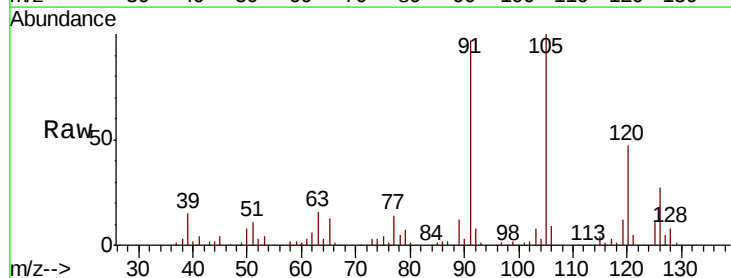
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

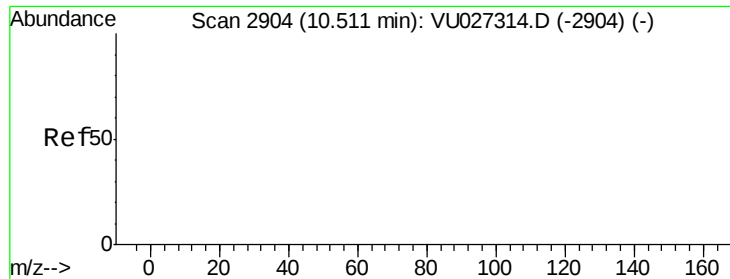
Tot Ion: 91 Resp: 264154  
 Ion Ratio Lower Upper  
 91 100  
 126 31.3 15.7 47.1



#80  
 1,3,5-Trimethylbenzene  
 Concen: 53.900 ug/l  
 RT: 10.77 min Scan# 2986  
 Delta R.T. 0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 105 Resp: 308797  
 Ion Ratio Lower Upper  
 105 100  
 120 47.8 24.1 72.4

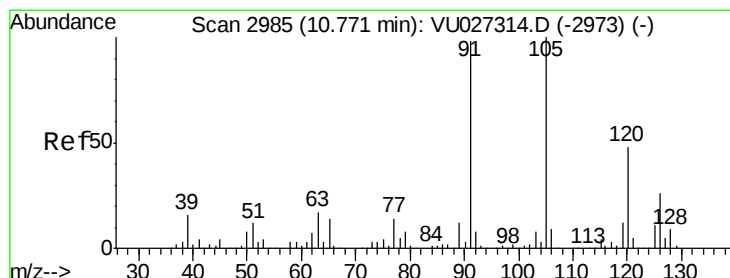
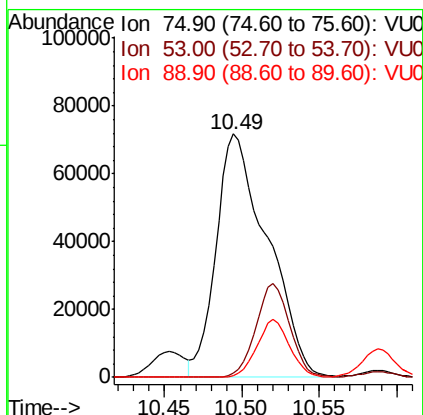
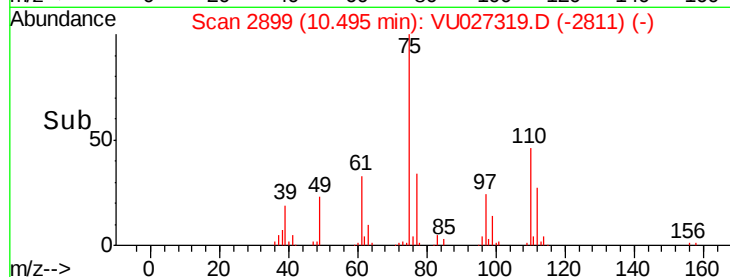
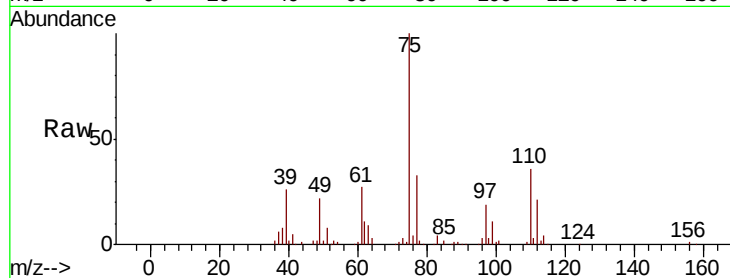




#81  
trans-1,4-Dichloro-2-butene  
Concen: 172.419 ug/l  
RT: 10.49 min Scan# 2899  
Delta R.T. -0.02 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

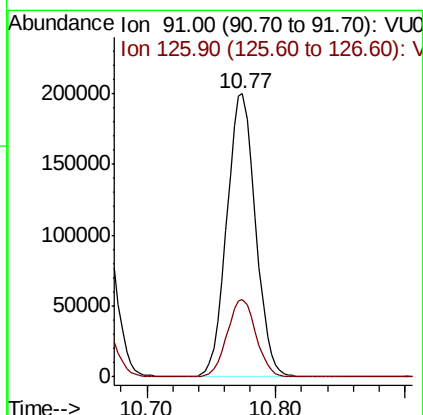
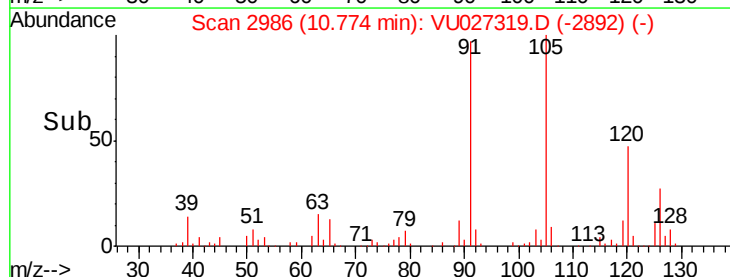
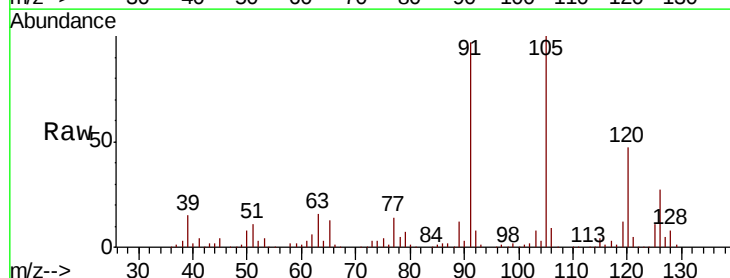
Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

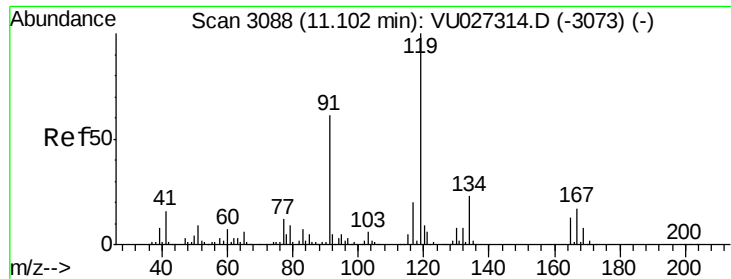
Tot Ion: 75 Resp: 165467  
Ion Ratio Lower Upper  
75 100  
53 0.0 0.0 0.0  
89 0.0 0.0 0.0



#82  
4-Chlorotoluene  
Concen: 53.008 ug/l  
RT: 10.77 min Scan# 2986  
Delta R.T. 0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion: 91 Resp: 307113  
Ion Ratio Lower Upper  
91 100  
126 27.5 13.6 40.8

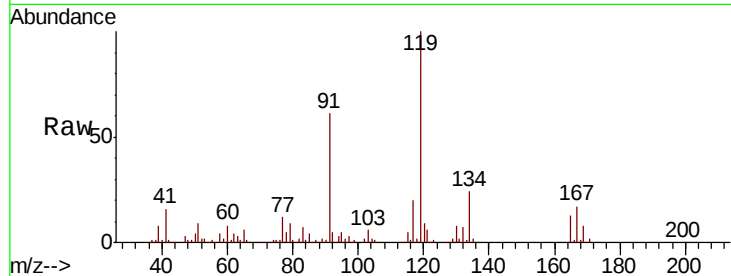




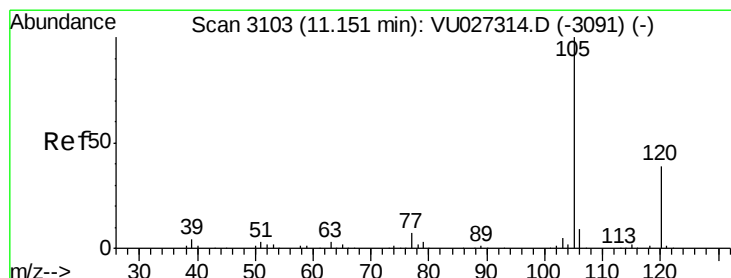
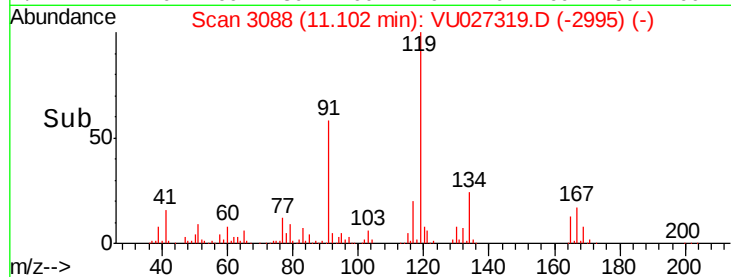
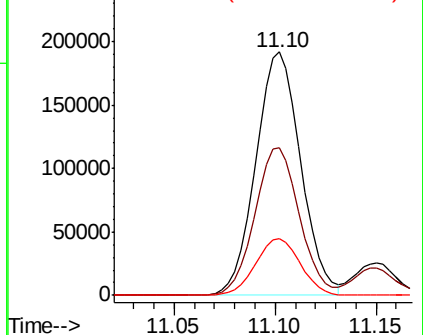
#83  
tert-Butylbenzene  
Concen: 53.867 ug/l  
RT: 11.10 min Scan# 3088  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 60.4  | 30.3  | 91.0  |
| 134     | 23.2  | 11.5  | 34.4  |

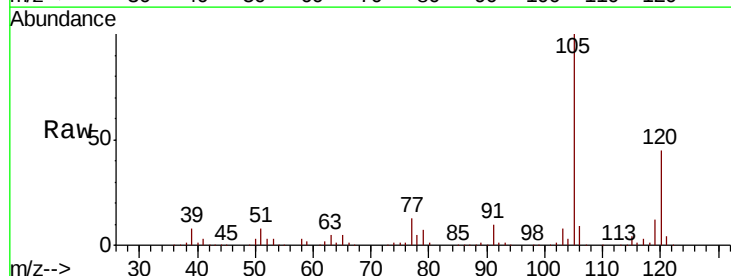


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

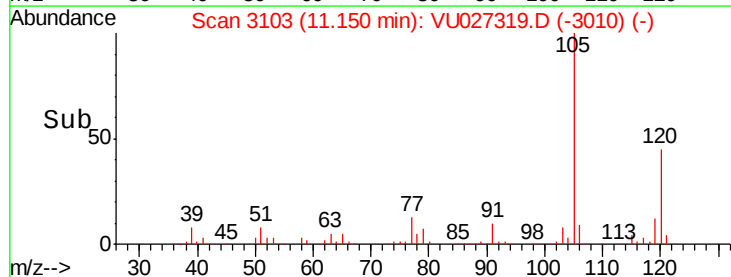
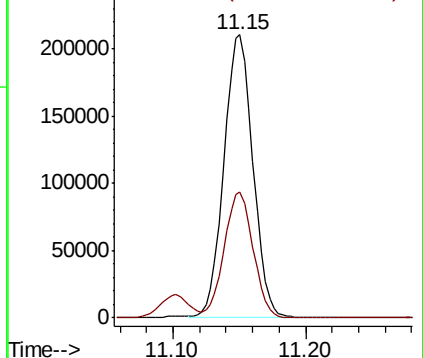


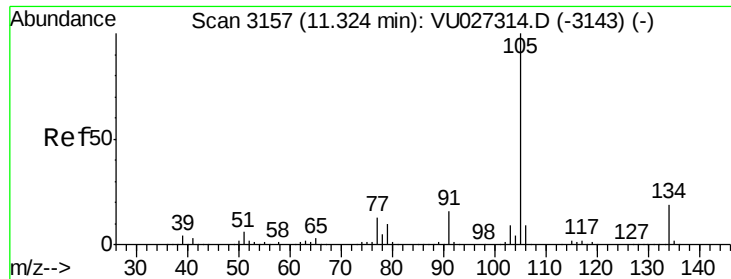
#84  
1,2,4-Trimethylbenzene  
Concen: 54.630 ug/l  
RT: 11.15 min Scan# 3103  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.4  | 22.1  | 66.5  |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 55.018 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampled :

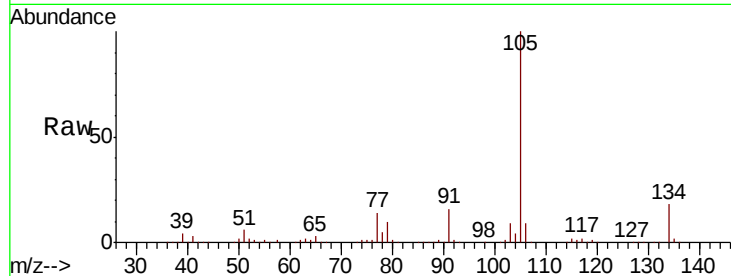
ICVVU100118

Tot Ion:105 Resp: 383937

Ion Ratio Lower Upper

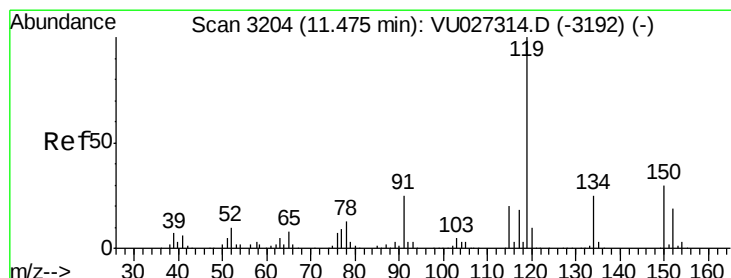
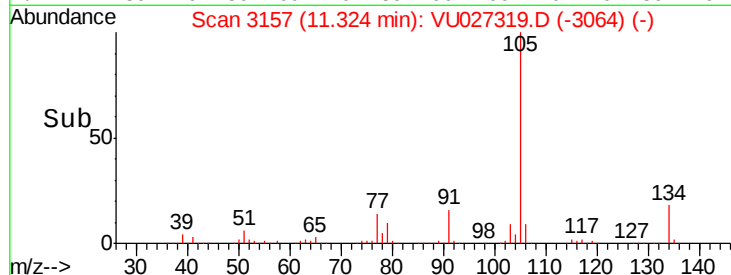
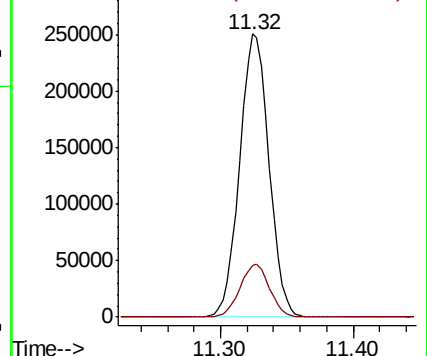
105 100

134 18.8 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.177 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

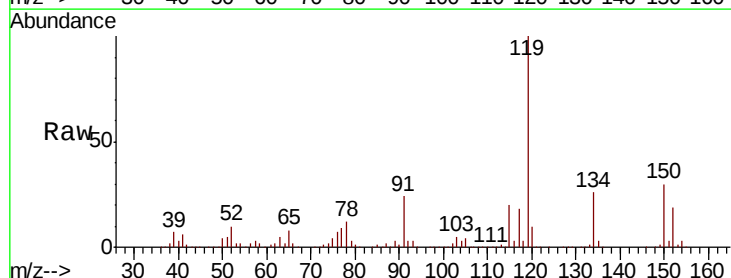
Tgt Ion:119 Resp: 329679

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

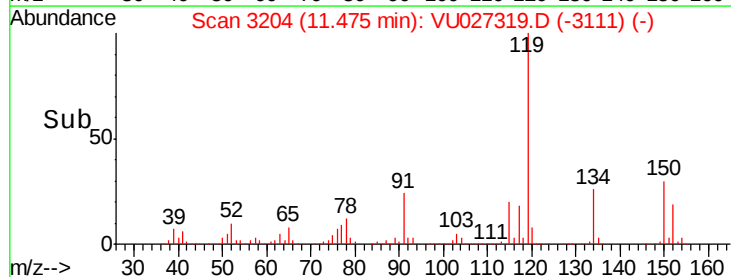
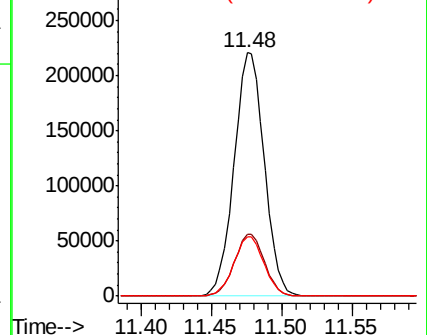
91 24.6 12.2 36.4

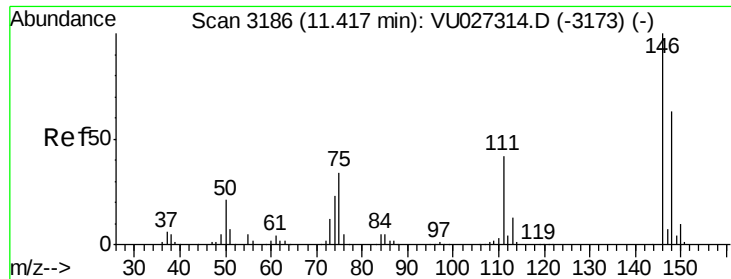


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

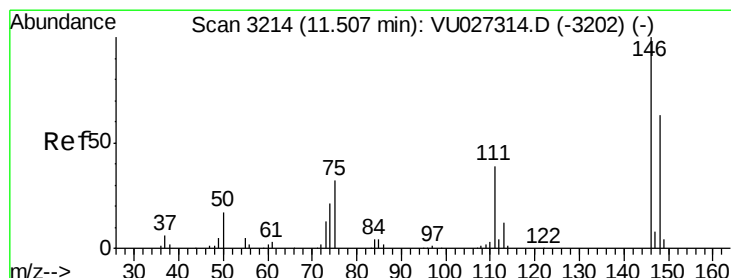
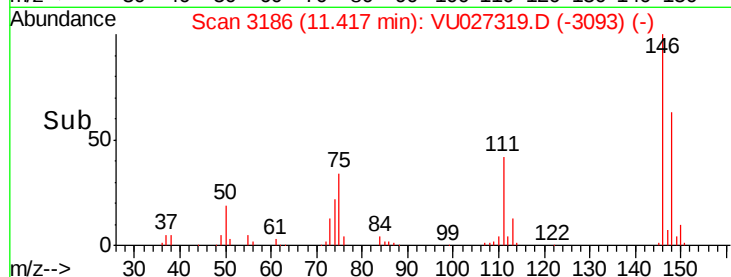
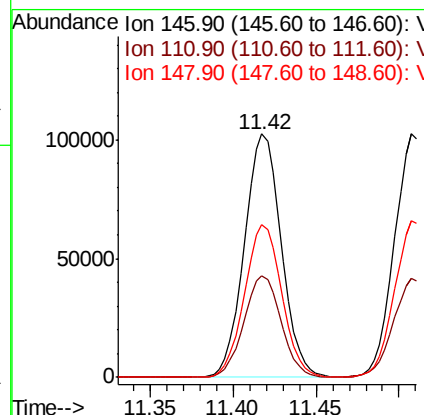
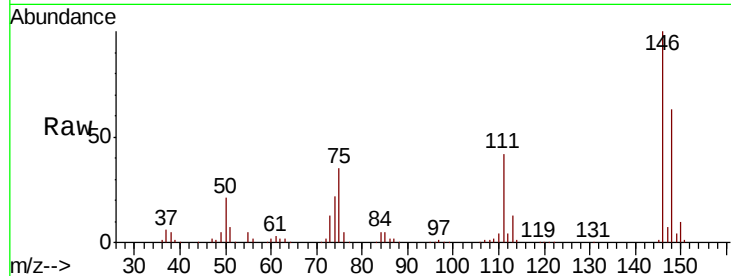




#87  
 1,3-Dichlorobenzene  
 Concen: 51.215 ug/l  
 RT: 11.42 min Scan# 3186  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

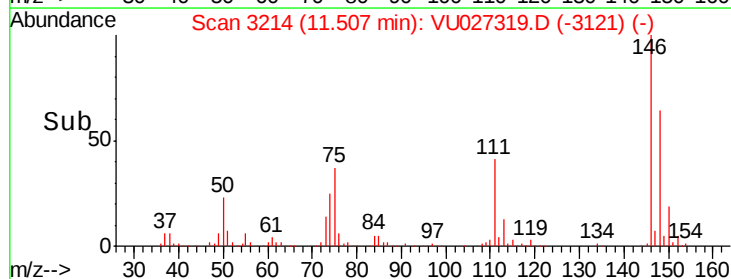
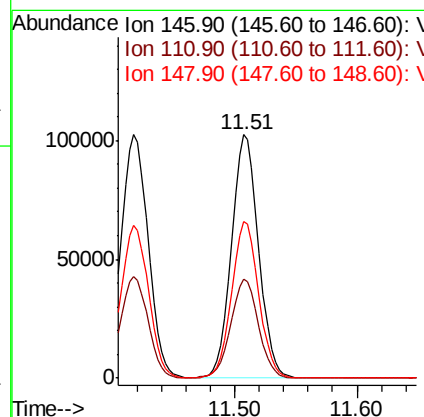
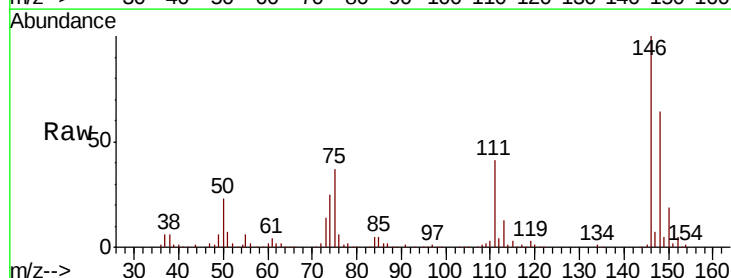
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

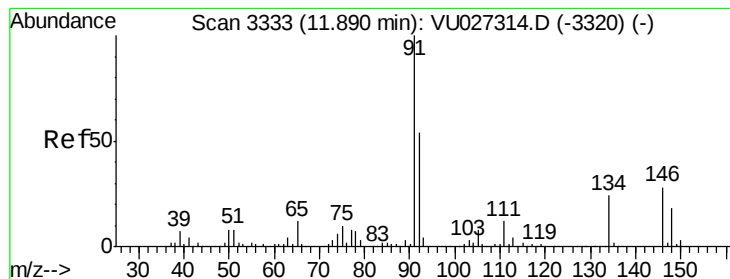
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.0  | 20.8  | 62.5  |
| 148     | 63.4  | 31.6  | 94.8  |



#88  
 1,4-Dichlorobenzene  
 Concen: 50.202 ug/l  
 RT: 11.51 min Scan# 3214  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.7  | 20.4  | 61.2  |
| 148     | 64.6  | 31.9  | 95.5  |





#89

n-Butylbenzene

Concen: 49.873 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

MSVOA\_U

ClientSampleId :

ICVVU100118

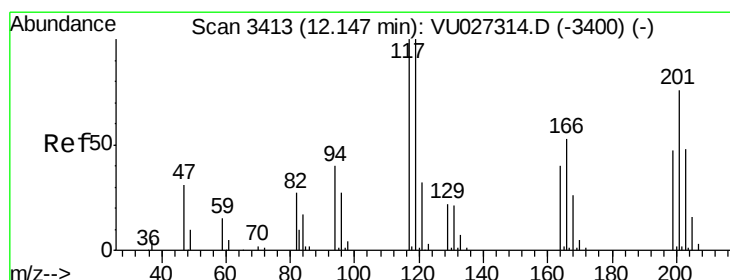
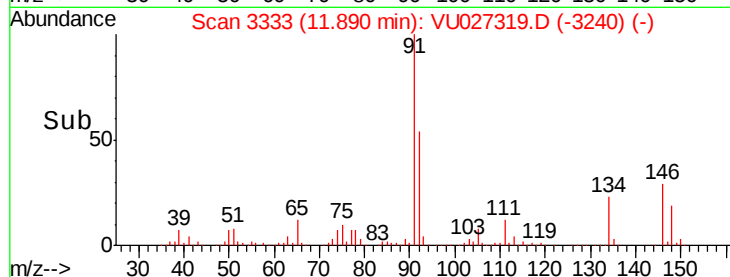
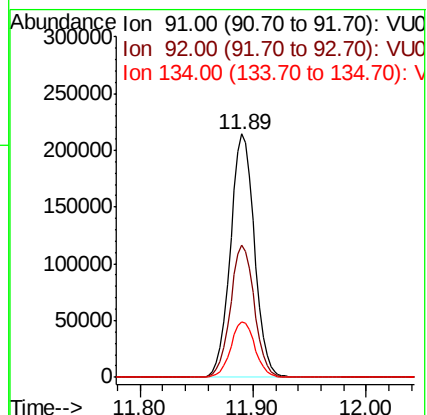
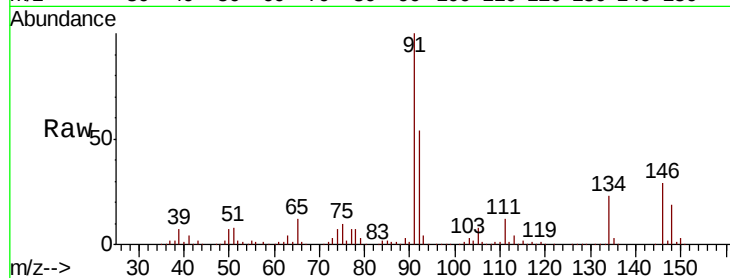
Tot Ion: 91 Resp: 316190

Ion Ratio Lower Upper

91 100

92 54.1 27.0 81.0

134 23.1 11.7 35.1



#90

Hexachloroethane

Concen: 51.775 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VU027319.D

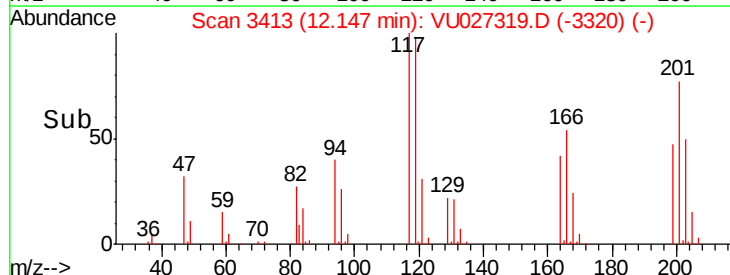
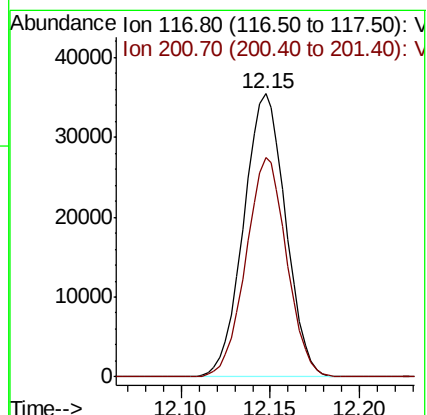
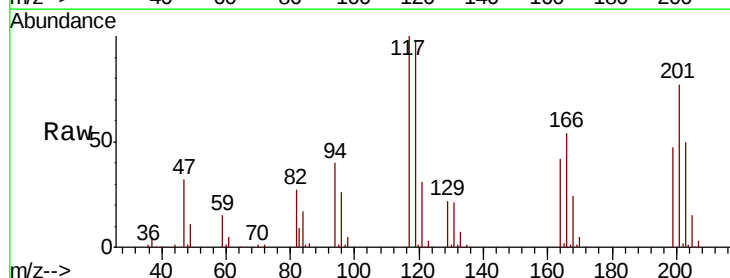
Acq: 01 Oct 2018 13:22

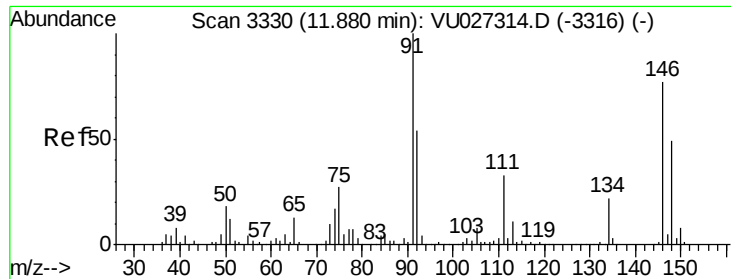
Tgt Ion: 117 Resp: 58311

Ion Ratio Lower Upper

117 100

201 75.1 37.9 113.6

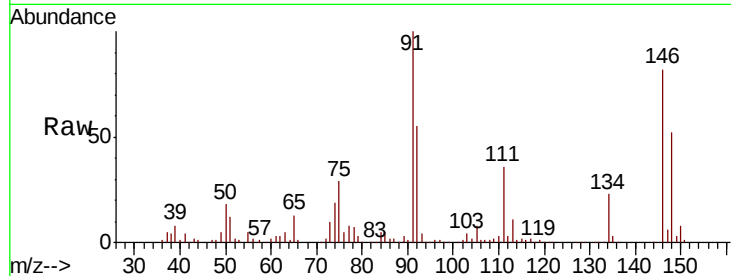




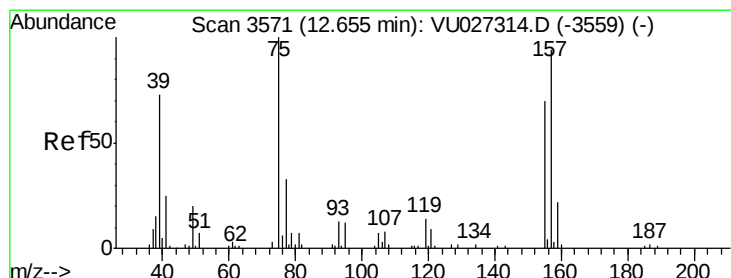
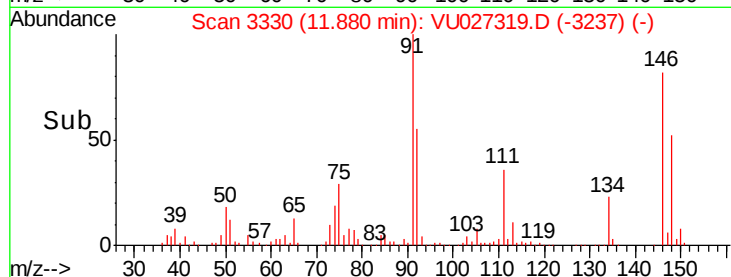
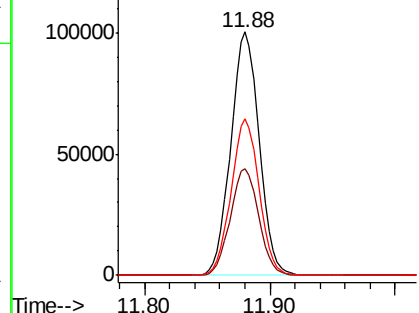
#91  
 1,2-Dichlorobenzene  
 Concen: 52.217 ug/l  
 RT: 11.88 min Scan# 3330  
 Delta R.T. -0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU100118

Tot Ion:146 Resp: 157397  
 Ion Ratio Lower Upper  
 146 100  
 111 43.7 21.8 65.4  
 148 63.2 31.9 95.5

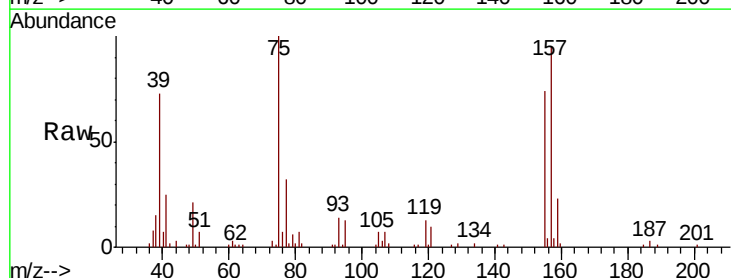


Abundance Ion 145.90 (145.60 to 146.60): V  
 Ion 110.90 (110.60 to 111.60): V  
 Ion 147.90 (147.60 to 148.60): V

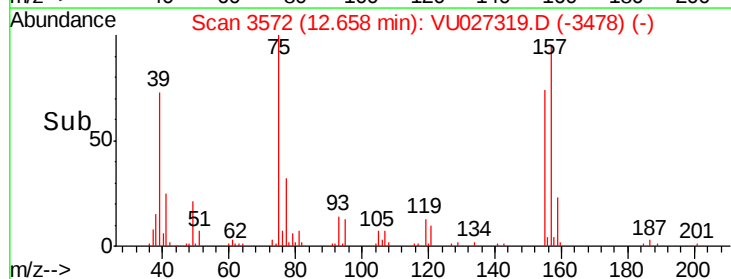
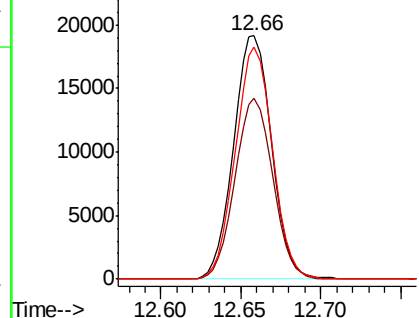


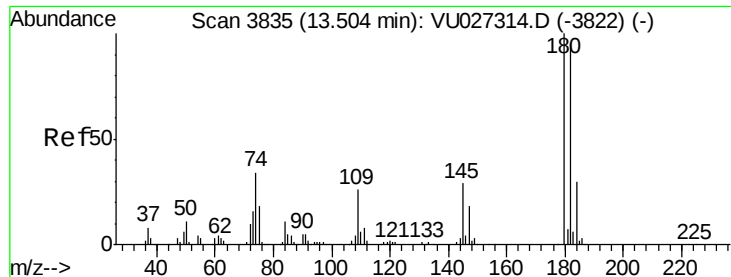
#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 50.536 ug/l  
 RT: 12.66 min Scan# 3572  
 Delta R.T. 0.00 min  
 Lab File: VU027319.D  
 Acq: 01 Oct 2018 13:22

Tgt Ion: 75 Resp: 30947  
 Ion Ratio Lower Upper  
 75 100  
 155 74.0 35.9 107.8  
 157 93.1 46.9 140.6



Abundance Ion 74.90 (74.60 to 75.60): VU0  
 Ion 154.80 (154.50 to 155.50): V  
 Ion 156.80 (156.50 to 157.50): V

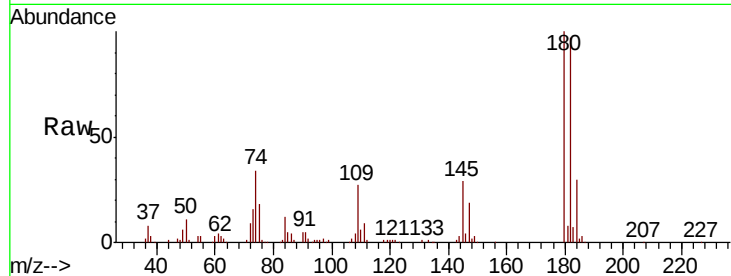




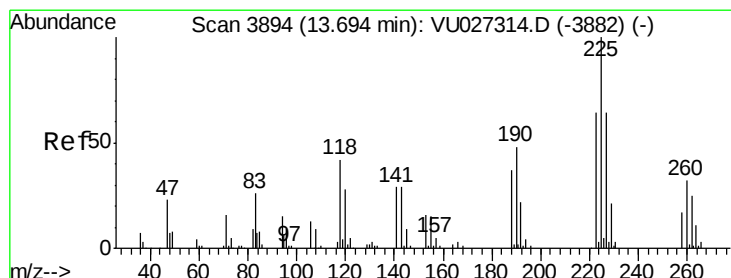
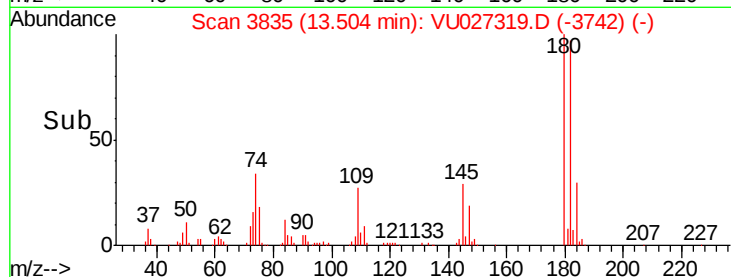
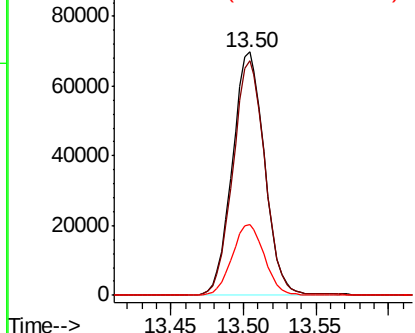
#93  
1,2,4-Trichlorobenzene  
Concen: 55.164 ug/l  
RT: 13.50 min Scan# 3835  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
ICVVU100118

Tot Ion:180 Resp: 107594  
Ion Ratio Lower Upper  
180 100  
182 96.3 47.4 142.3  
145 29.3 14.6 44.0

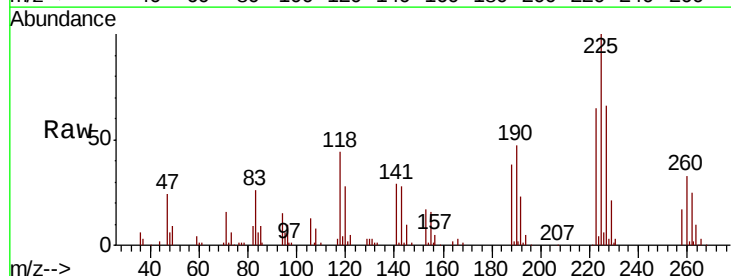


Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V

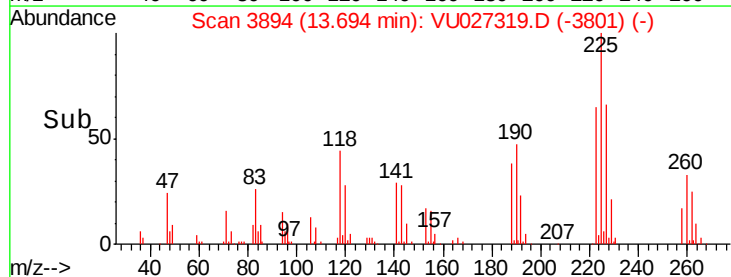
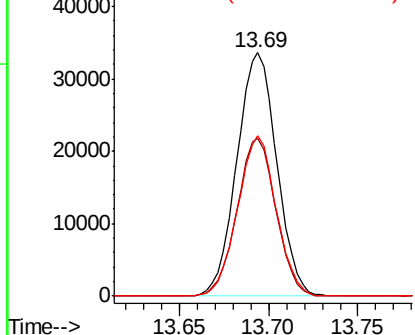


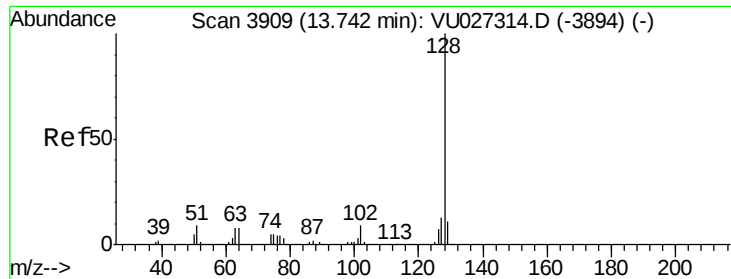
#94  
Hexachlorobutadiene  
Concen: 53.357 ug/l  
RT: 13.69 min Scan# 3894  
Delta R.T. -0.00 min  
Lab File: VU027319.D  
Acq: 01 Oct 2018 13:22

Tgt Ion:225 Resp: 52580  
Ion Ratio Lower Upper  
225 100  
223 63.2 31.8 95.3  
227 63.6 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V  
Ion 222.70 (222.40 to 223.40): V  
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.174 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Instrument :

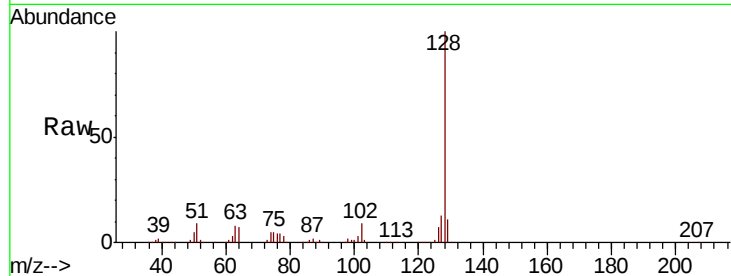
MSVOA\_U

ClientSampleId :

ICVVU100118

Tot Ion:128 Resp: 359996

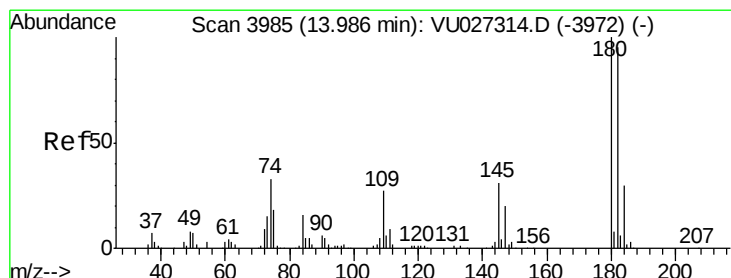
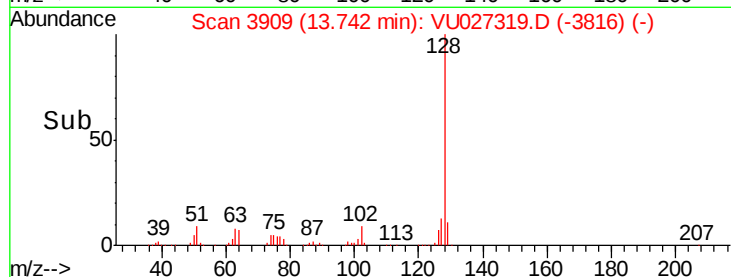
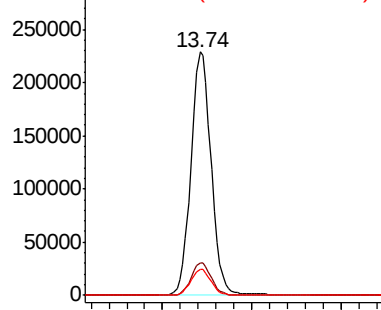
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.5  | 15.7  |
| 129 | 10.6  | 8.6   | 12.8  |



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.105 ug/l

RT: 13.99 min Scan# 3985

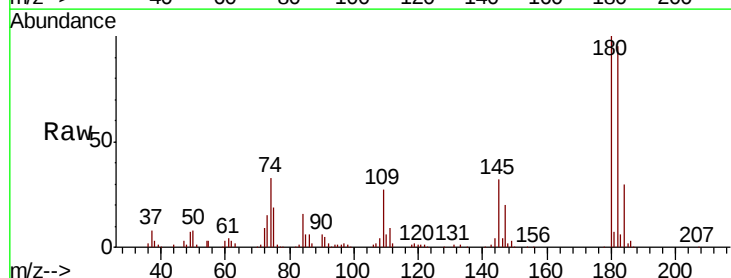
Delta R.T. -0.00 min

Lab File: VU027319.D

Acq: 01 Oct 2018 13:22

Tgt Ion:180 Resp: 109941

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.6  | 47.4  | 142.2 |
| 145 | 31.7  | 15.9  | 47.7  |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

