

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031020\  
 Data File : VU037149.D  
 Acq On : 10 Mar 2020 13:13  
 Operator : JC/MD  
 Sample : VU0310WBS01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

Quant Time: Mar 10 13:40:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Mon Mar 09 15:46:40 2020  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon  | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|-------|----------|--------|--------|----------|
| -----                         | ----- | ----- | -----    | -----  | -----  | -----    |
| 1) Fluorobenzene              | 6.15  | 96    | 15679    | 1.00   | ug/l   | 0.00     |
| System Monitoring Compounds   |       |       |          |        |        |          |
| 57) 4-Bromofluorobenzene      | 10.65 | 95    | 5763     | 0.95   | ug/l   | 0.00     |
| Spiked Amount 1.000           |       |       | Recovery | =      | 95.00% |          |
| 68) 1,2-Dichlorobenzene-d4    | 12.21 | 152   | 6057     | 0.98   | ug/l   | 0.00     |
| Spiked Amount 1.000           |       |       | Recovery | =      | 98.00% |          |
| Target Compounds              |       |       |          |        |        |          |
|                               |       |       |          |        | Ovalue |          |
| 2) Dichlorodifluoromethane    | 1.39  | 85    | 15568    | 2.034  | ug/l   | 100      |
| 3) Chloromethane              | 1.54  | 50    | 16255    | 2.136  | ug/l   | 98       |
| 4) Vinyl Chloride             | 1.62  | 62    | 13592    | 2.032  | ug/l   | 100      |
| 5) Bromomethane               | 1.87  | 94    | 4808     | 2.061  | ug/l   | 96       |
| 6) Chloroethane               | 1.95  | 64    | 6731     | 2.100  | ug/l   | 99       |
| 7) Trichlorofluoromethane     | 2.16  | 101   | 16778    | 2.064  | ug/l   | 96       |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.60  | 101   | 8337     | 2.186  | ug/l   | 93       |
| 9) 1,1-Dichloroethene         | 2.61  | 96    | 8033     | 2.216  | ug/l   | 80       |
| 10) Iodomethane               | 2.75  | 142   | 2224     | 1.719  | ug/l # | 67       |
| 11) Allyl Chloride            | 2.95  | 41    | 14277    | 2.031  | ug/l # | 61       |
| 12) Acrylonitrile             | 3.36  | 53    | 3995     | 4.658  | ug/l # | 77       |
| 13) Acetone                   | 2.67  | 43    | 10300    | 10.806 | ug/l # | 76       |
| 14) Carbon Disulfide          | 2.82  | 76    | 24018    | 1.989  | ug/l   | 100      |
| 15) Methylene Chloride        | 3.08  | 84    | 10465    | 2.299  | ug/l # | 79       |
| 16) trans-1,2-Dichloroethene  | 3.38  | 96    | 7797     | 2.025  | ug/l   | 90       |
| 17) 1,1-Dichloroethane        | 3.91  | 63    | 18244    | 2.044  | ug/l   | 97       |
| 18) 2-Butanone                | 4.78  | 43    | 15078    | 10.349 | ug/l   | 94       |
| 19) Cyclohexane               | 5.42  | 56    | 12702    | 1.671  | ug/l   | 97       |
| 20) Methylcyclohexane         | 6.79  | 83    | 13141    | 1.750  | ug/l # | 80       |
| 21) 2,2-Dichloropropane       | 4.70  | 77    | 16089    | 1.975  | ug/l   | 94       |
| 22) cis-1,2-Dichloroethene    | 4.71  | 96    | 9644     | 2.022  | ug/l   | 83       |
| 23) Diethyl Ether             | 2.40  | 59    | 6326     | 2.060  | ug/l # | 87       |
| 24) tert-Butyl Alcohol        | 3.22  | 59    | 197      | 0.587  | ug/l # | 72       |
| 25) Methyl tert-Butyl Ether   | 3.41  | 73    | 22384    | 2.107  | ug/l # | 67       |
| 26) Bromochloromethane        | 5.02  | 128   | 4417     | 2.104  | ug/l   | 82       |
| 27) Chloroform                | 5.13  | 83    | 18729    | 1.948  | ug/l   | 95       |
| 28) 1,1,1-Trichloroethane     | 5.35  | 97    | 16886    | 2.061  | ug/l   | 96       |
| 29) 1,1-Dichloropropene       | 5.56  | 75    | 13134    | 1.972  | ug/l   | 97       |
| 30) Carbon Tetrachloride      | 5.56  | 117   | 14509    | 2.023  | ug/l   | 97       |
| 31) Isopropyl Ether           | 4.05  | 45    | 27344    | 1.919  | ug/l   | 82       |
| 32) Ethyl-t-butyl ether       | 4.56  | 59    | 25328    | 1.883  | ug/l   | 93       |
| 33) Tert-Amyl methyl ether    | 5.99  | 73    | 21414    | 1.855  | ug/l   | 98       |
| 34) Propionitrile             | 4.85  | 54    | 3519     | 9.183  | ug/l # | 88       |
| 35) Benzene                   | 5.81  | 78    | 37802    | 1.998  | ug/l   | 99       |
| 36) 1,2-Dichloroethane        | 5.83  | 62    | 13945    | 2.033  | ug/l # | 93       |
| 37) Trichloroethene           | 6.57  | 130   | 9652     | 1.944  | ug/l   | 92       |
| 38) 1,2-Dichloropropane       | 6.83  | 63    | 10663    | 2.054  | ug/l   | 99       |
| 39) Methacrylonitrile         | 5.02  | 41    | 3765     | 2.036  | ug/l # | 78       |
| 40) Methyl acrylate           | 4.90  | 55    | 5873     | 2.297  | ug/l # | 84       |
| 41) Tetrahydrofuran           | 5.12  | 42    | 3417     | 3.704  | ug/l # | 78       |
| 42) 1-Chlorobutane            | 5.49  | 56    | 18921    | 1.973  | ug/l   | 80       |

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 Sample : VU0310WBS01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

Quant Time: Mar 10 13:40:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Mon Mar 09 15:46:40 2020  
 Response via : Initial Calibration

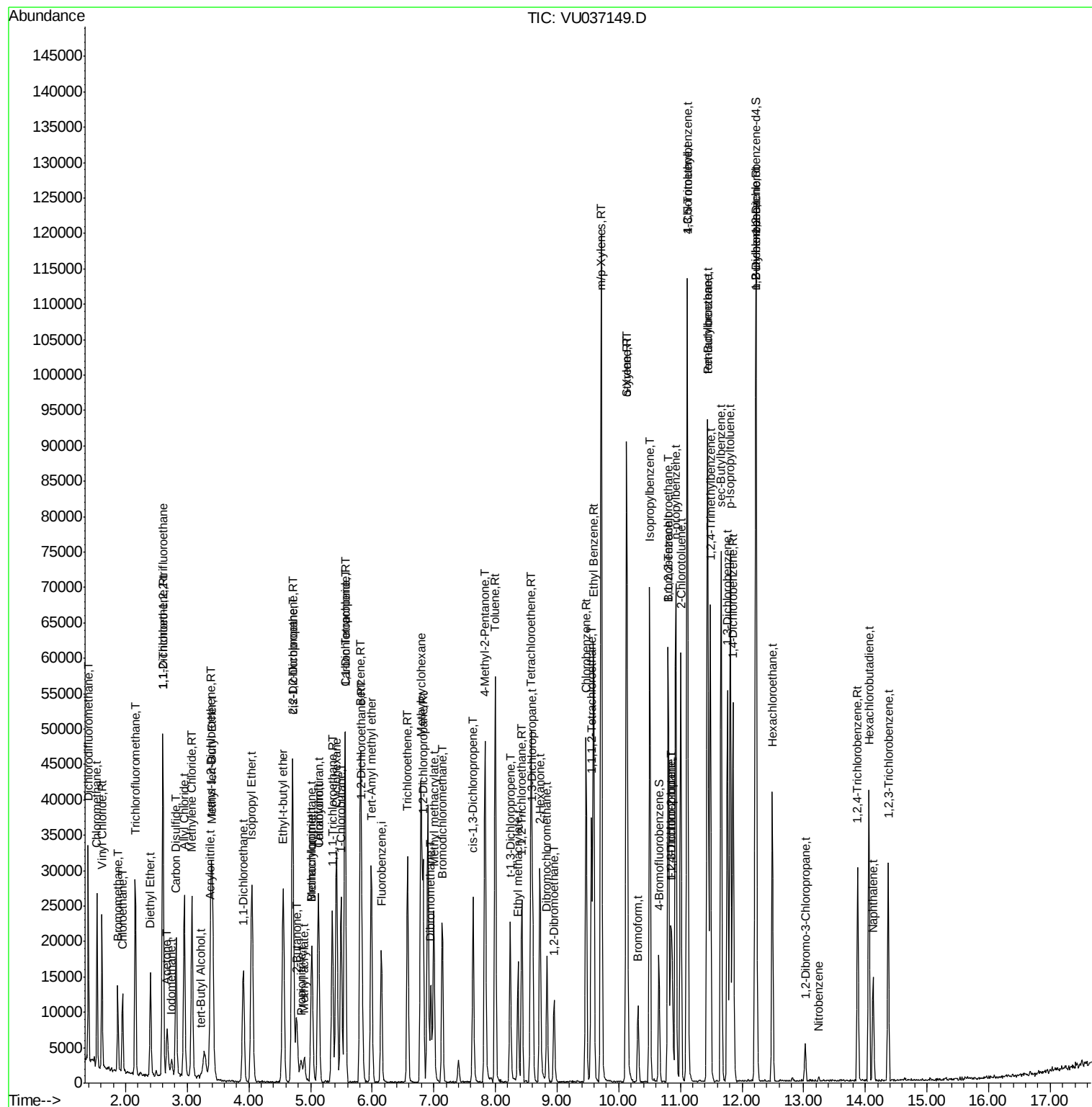
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 43) Dibromomethane             | 6.95  | 93   | 5871     | 2.206  | ug/l # | 88       |
| 44) Bromodichloromethane       | 7.14  | 83   | 13968    | 2.016  | ug/l   | 99       |
| 45) 4-Methyl-2-Pentanone       | 7.83  | 43   | 33960    | 9.515  | ug/l # | 84       |
| 46) t-1,4-Dichloro-2-butene    | 10.84 | 75   | 11447    | 11.718 | ug/l # | 65       |
| 47) Methyl methacrylate        | 7.00  | 69   | 8496     | 3.862  | ug/l # | 62       |
| 48) Ethyl methacrylate         | 8.37  | 69   | 7410     | 1.705  | ug/l   | 66       |
| 49) Toluene                    | 8.00  | 92   | 22240    | 1.947  | ug/l   | 96       |
| 50) t-1,3-Dichloropropene      | 8.24  | 75   | 11401    | 1.826  | ug/l   | 98       |
| 51) cis-1,3-Dichloropropene    | 7.64  | 75   | 13622    | 1.911  | ug/l # | 81       |
| 52) 1,1,2-Trichloroethane      | 8.43  | 97   | 7527     | 2.120  | ug/l   | 94       |
| 53) 1,3-Dichloropropane        | 8.60  | 76   | 12463    | 1.979  | ug/l   | 95       |
| 54) 2-Hexanone                 | 8.72  | 43   | 22998    | 9.354  | ug/l   | 81       |
| 55) Dibromochloromethane       | 8.83  | 129  | 8648     | 1.968  | ug/l   | 98       |
| 56) 1,2-Dibromoethane          | 8.95  | 107  | 6894     | 2.050  | ug/l   | 99       |
| 58) Tetrachloroethene          | 8.58  | 164  | 9698     | 2.082  | ug/l   | 96       |
| 59) Chlorobenzene              | 9.47  | 112  | 24919    | 1.954  | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.56  | 131  | 8952     | 1.918  | ug/l   | 96       |
| 61) Pentachloroethane          | 11.45 | 117  | 7007     | 1.968  | ug/l   | 87       |
| 62) Hexachloroethane           | 12.49 | 117  | 7451     | 1.955  | ug/l   | 82       |
| 63) Ethyl Benzene              | 9.59  | 91   | 39880    | 1.832  | ug/l   | 96       |
| 64) m/p-Xylenes                | 9.72  | 106  | 30933    | 3.754  | ug/l   | 85       |
| 65) o-Xylene                   | 10.12 | 106  | 15839    | 1.992  | ug/l   | 97       |
| 66) Styrene                    | 10.14 | 104  | 24122    | 1.854  | ug/l   | 94       |
| 67) Bromoform                  | 10.31 | 173  | 4869     | 2.099  | ug/l # | 96       |
| 69) Isopropylbenzene           | 10.50 | 105  | 41302    | 1.906  | ug/l   | 98       |
| 70) 1,1,1,2-Tetrachloroethane  | 10.80 | 83   | 9311     | 1.994  | ug/l   | 95       |
| 71) 1,2,3-Trichloropropane     | 10.84 | 75   | 11447    | 2.998  | ug/l   | 65       |
| 72) Bromobenzene               | 10.80 | 156  | 9877     | 1.884  | ug/l   | 87       |
| 73) n-propylbenzene            | 10.92 | 120  | 10952    | 1.907  | ug/l   | 77       |
| 74) 2-Chlorotoluene            | 11.01 | 126  | 10238    | 1.969  | ug/l   | 83       |
| 75) 1,3,5-Trimethylbenzene     | 11.10 | 105  | 35613    | 1.898  | ug/l   | 97       |
| 76) 4-Chlorotoluene            | 11.12 | 126  | 10182    | 1.945  | ug/l   | 68       |
| 77) tert-Butylbenzene          | 11.44 | 119  | 34557    | 1.889  | ug/l   | 96       |
| 78) 1,2,4-Trimethylbenzene     | 11.48 | 105  | 36928    | 1.950  | ug/l   | 94       |
| 79) sec-Butylbenzene           | 11.66 | 105  | 48807    | 1.961  | ug/l   | 98       |
| 80) Nitrobenzene               | 13.25 | 77   | 504      | 4.930  | ug/l # | 59       |
| 81) p-Isopropyltoluene         | 11.81 | 119  | 38568    | 1.966  | ug/l   | 94       |
| 82) 1,3-Dichlorobenzene        | 11.76 | 146  | 21134    | 2.034  | ug/l   | 96       |
| 83) 1,4-Dichlorobenzene        | 11.85 | 146  | 21283    | 2.022  | ug/l   | 98       |
| 84) n-Butylbenzene             | 12.23 | 91   | 34989    | 1.883  | ug/l   | 95       |
| 85) 1,2-Dichlorobenzene        | 12.23 | 146  | 20021    | 1.992  | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropropan | 13.02 | 75   | 1539     | 1.867  | ug/l # | 74       |
| 87) 1,2,4-Trichlorobenzene     | 13.88 | 180  | 8786     | 1.739  | ug/l   | 97       |
| 88) Hexachlorobutadiene        | 14.06 | 225  | 6490     | 2.075  | ug/l   | 99       |
| 89) Naphthalene                | 14.12 | 128  | 12484    | 1.616  | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene     | 14.37 | 180  | 8688     | 1.767  | ug/l   | 98       |

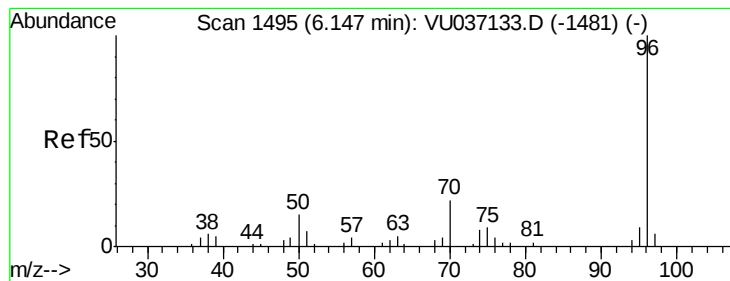
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VU0310WBS01  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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QLast Update : Mon Mar 09 15:46:40 2020  
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

Tot Ion: 96 Resp: 15679

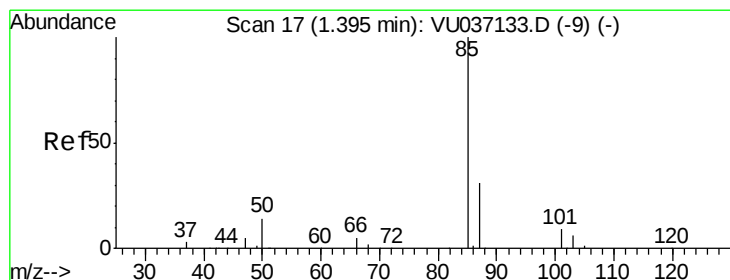
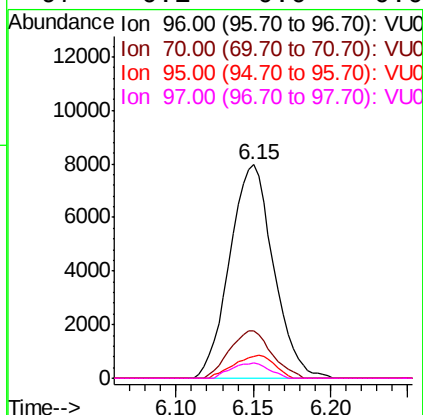
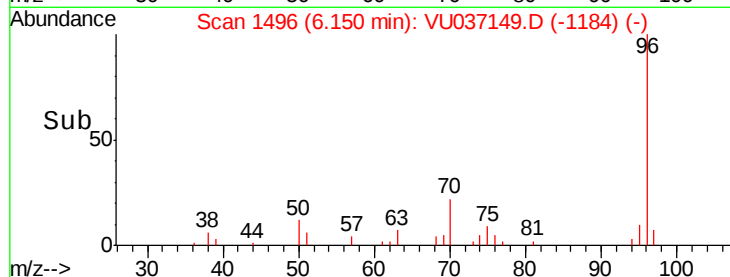
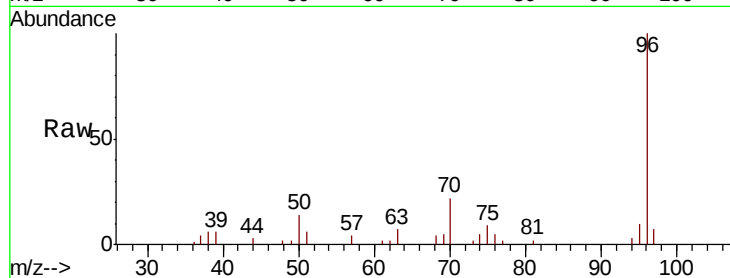
Ion Ratio Lower Upper

96 100

70 21.1 15.6 23.4

95 9.9 7.0 10.6

97 6.1 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 2.034 ug/l

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037149.D

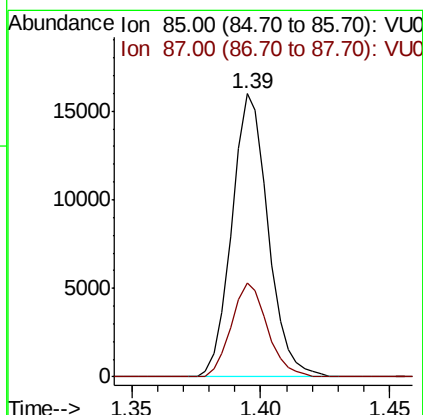
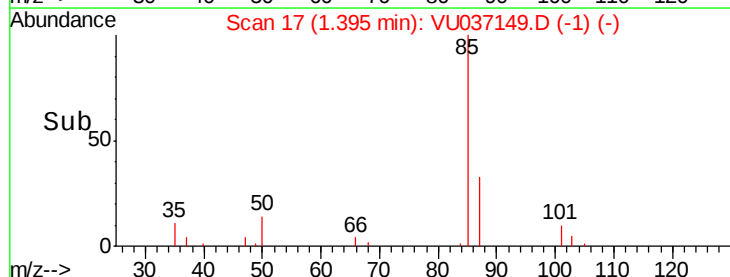
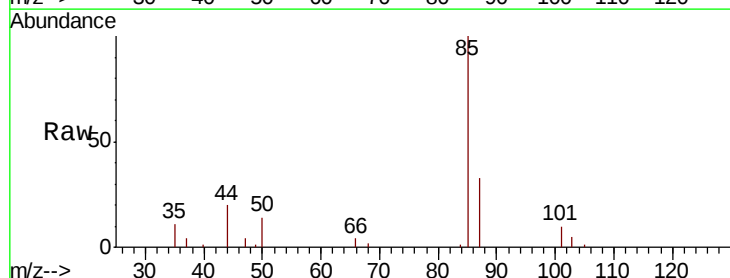
Acq: 10 Mar 2020 13:13

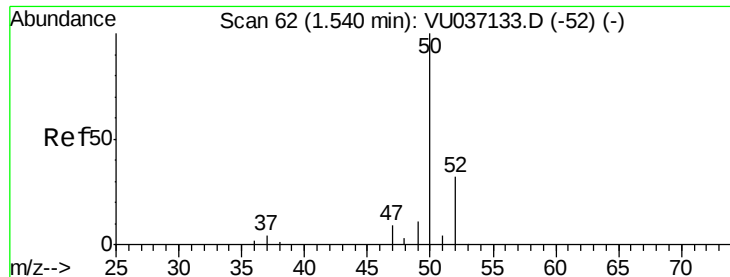
Tgt Ion: 85 Resp: 15568

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.2





#3

Chloromethane

Concen: 2.136 ug/l

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

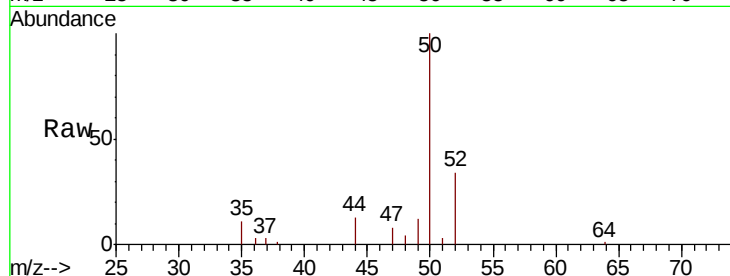
VU0310WBS01

Tot Ion: 50 Resp: 16255

Ion Ratio Lower Upper

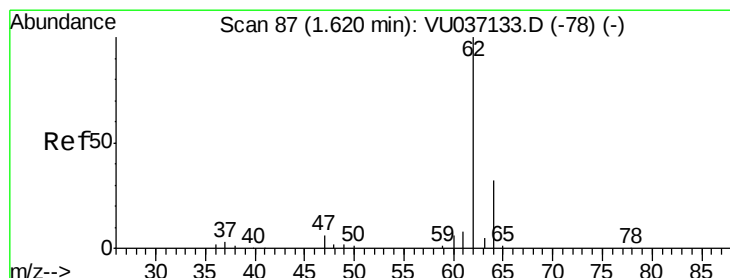
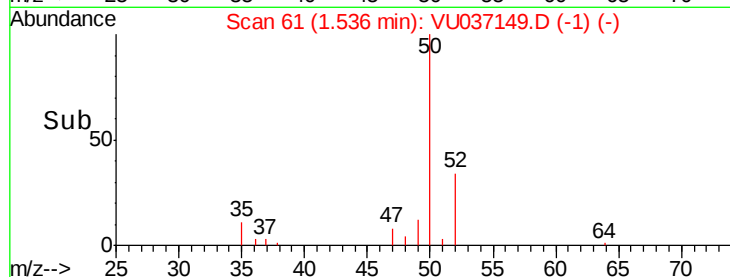
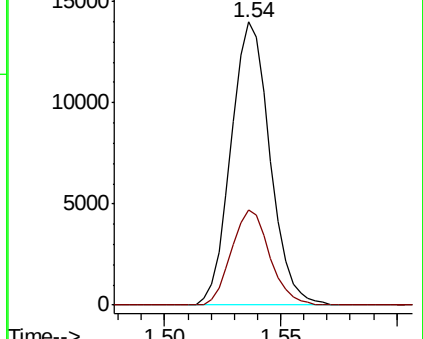
50 100

52 33.5 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VU037133.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037133.D (-52) (-)



#4

Vinyl Chloride

Concen: 2.032 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037149.D

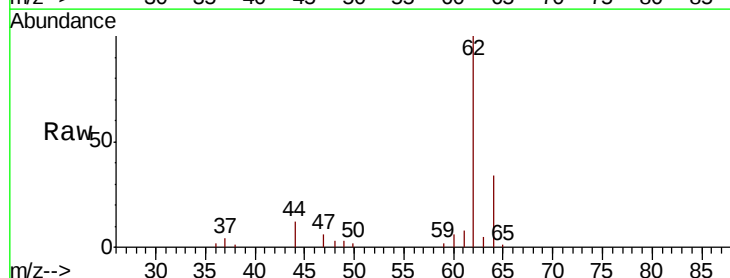
Acq: 10 Mar 2020 13:13

Tgt Ion: 62 Resp: 13592

Ion Ratio Lower Upper

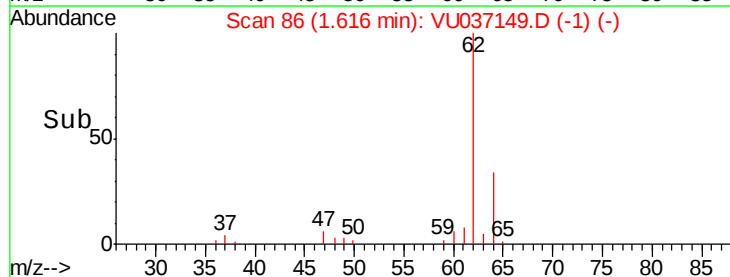
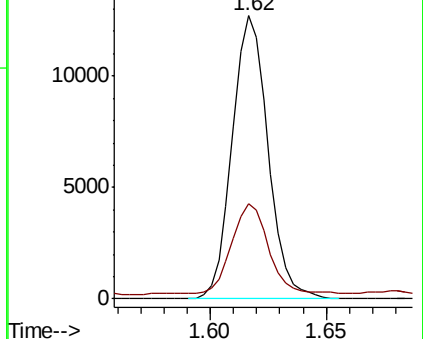
62 100

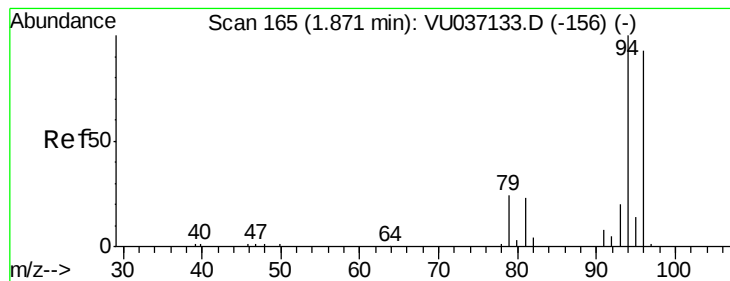
64 31.8 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU037133.D (-78) (-)





#5

Bromomethane

Concen: 2.061 ug/l

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

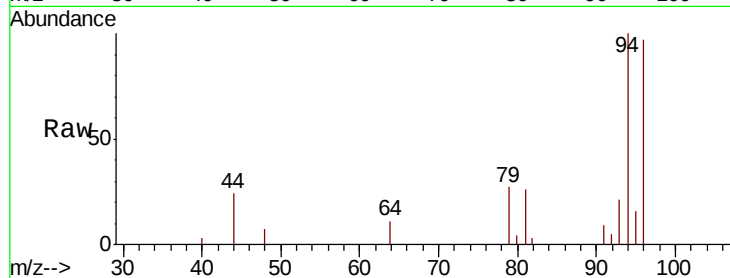
VU0310WBS01

Tot Ion: 94 Resp: 4808

Ion Ratio Lower Upper

94 100

96 97.2 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VU037133.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037133.D (-156) (-)

1.87

4000

3000

2000

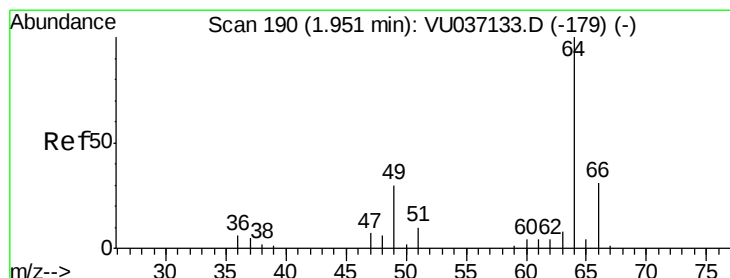
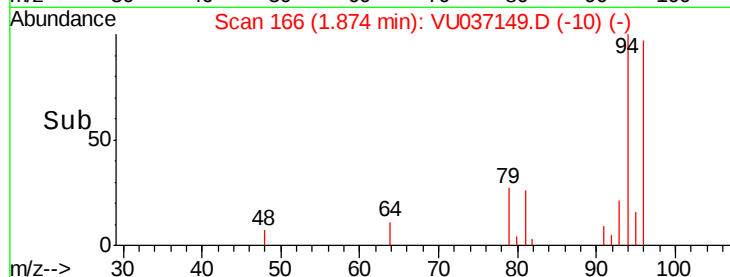
1000

0

1.85

1.90

Time-->



#6

Chloroethane

Concen: 2.100 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037149.D

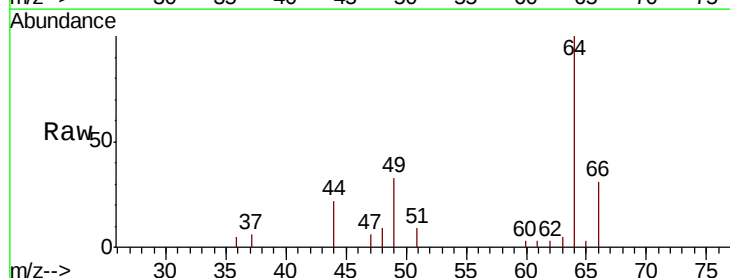
Acq: 10 Mar 2020 13:13

Tgt Ion: 64 Resp: 6731

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU037133.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU037133.D (-179) (-)

1.95

6000

5000

4000

3000

2000

1000

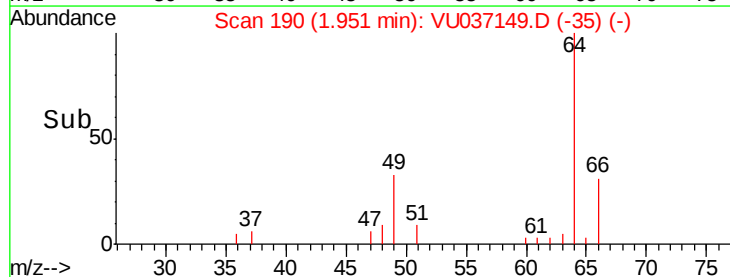
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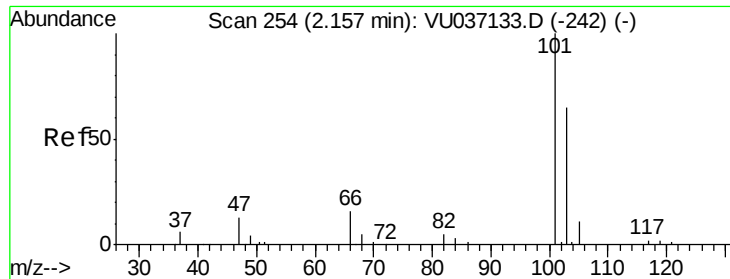
1.90

1.95

2.00

Time-->



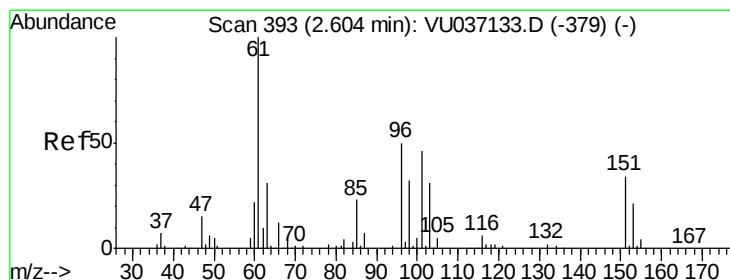
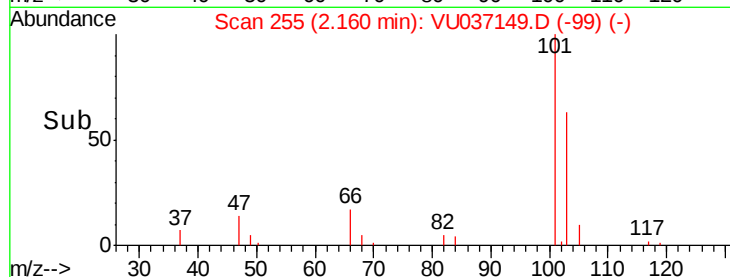
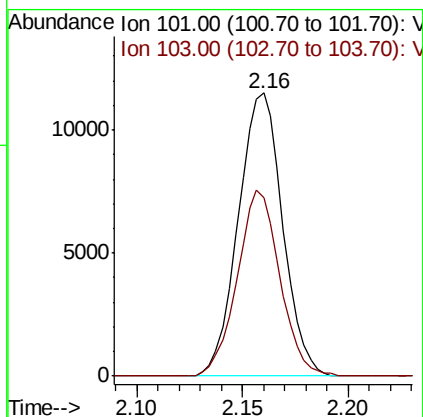
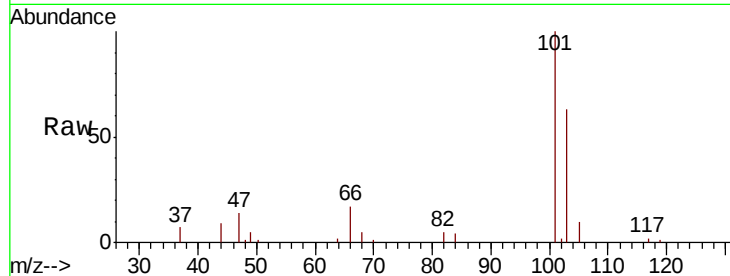


#7

Trichlorofluoromethane  
 Concen: 2.064 ug/l  
 RT: 2.16 min Scan# 255  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

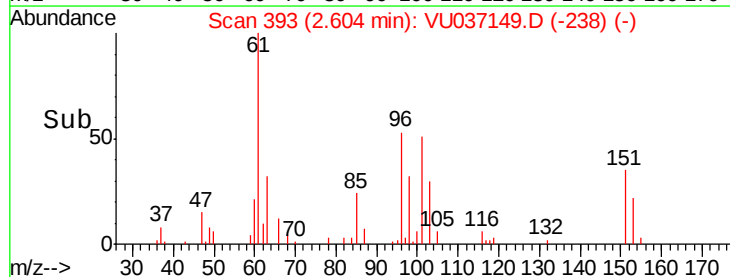
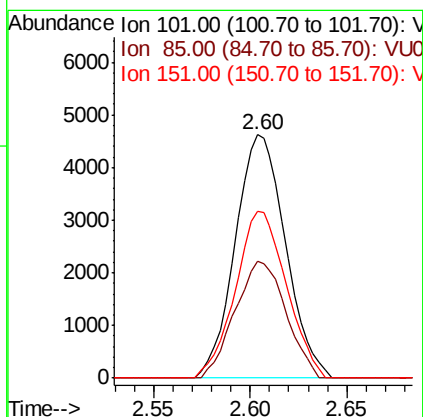
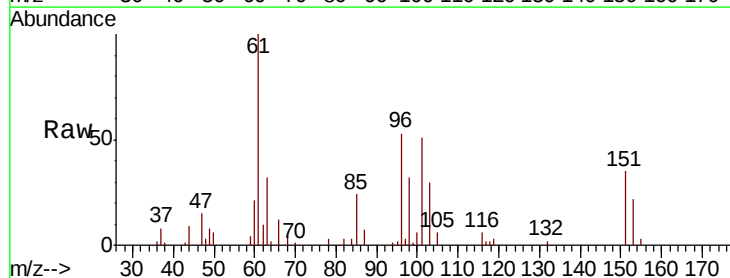
Tot Ion:101 Resp: 16778  
 Ion Ratio Lower Upper  
 101 100  
 103 63.2 53.0 79.6

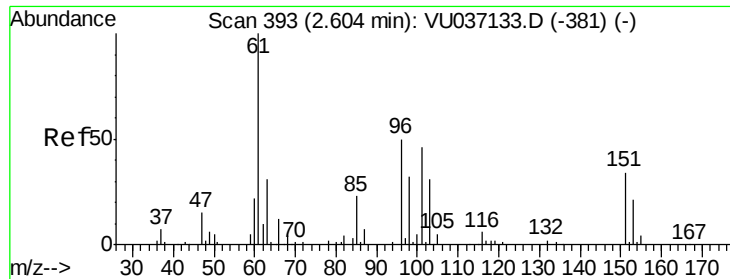


#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.186 ug/l  
 RT: 2.60 min Scan# 393  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion:101 Resp: 8337  
 Ion Ratio Lower Upper  
 101 100  
 85 48.5 33.9 50.9  
 151 69.5 59.8 89.8





#9

1,1-Dichloroethene

Concen: 2.216 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

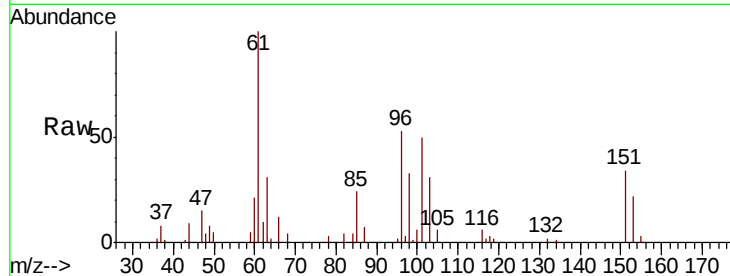
Tot Ion: 96 Resp: 8033

Ion Ratio Lower Upper

96 100

61 188.0 0.0 463.2

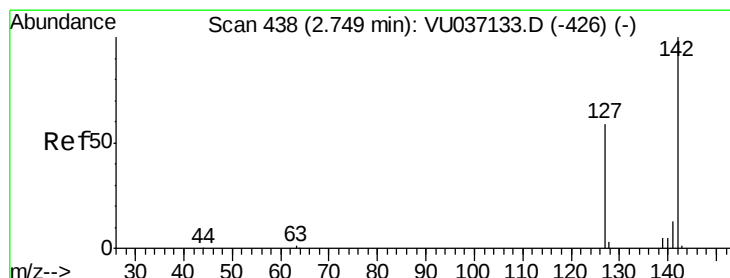
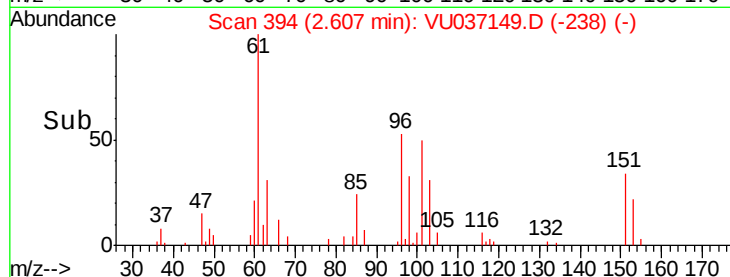
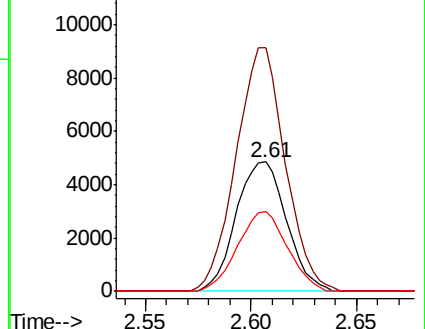
98 61.5 0.0 130.0



Abundance Ion 96.00 (95.70 to 96.70): VU037133.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU037133.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-381) (-)



#10

Iodomethane

Concen: 1.719 ug/l

RT: 2.75 min Scan# 440

Delta R.T. 0.01 min

Lab File: VU037149.D

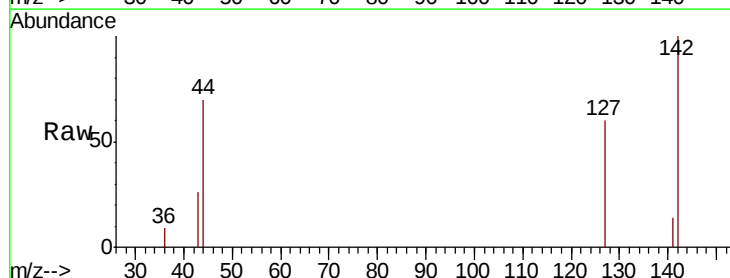
Acq: 10 Mar 2020 13:13

Tgt Ion:142 Resp: 2224

Ion Ratio Lower Upper

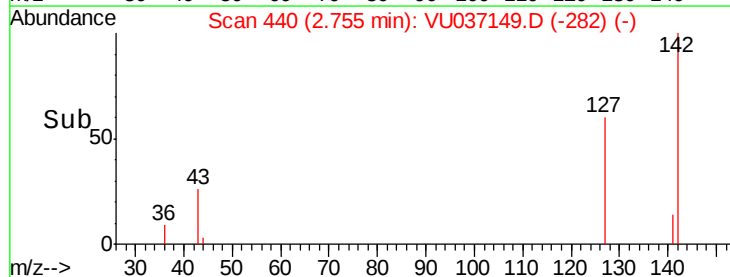
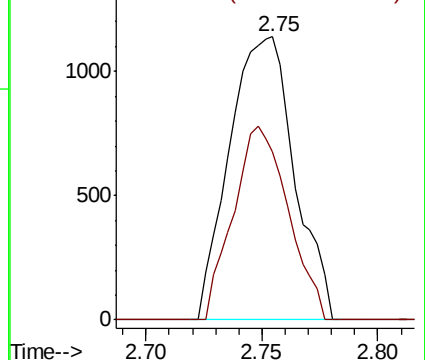
142 100

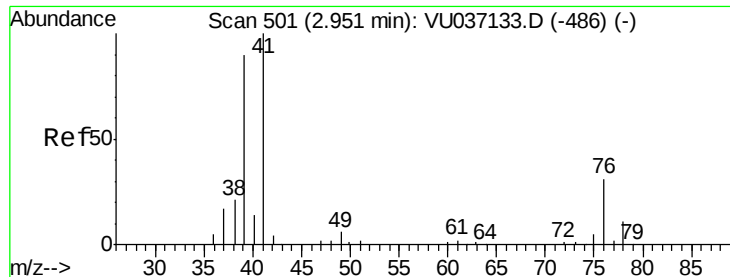
127 57.8 30.3 45.5#



Abundance Ion 142.00 (141.70 to 142.70): VU037133.D (-426) (-)

Ion 127.00 (126.70 to 127.70): VU037133.D (-426) (-)

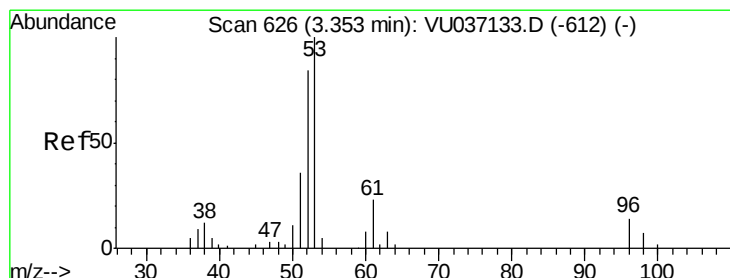
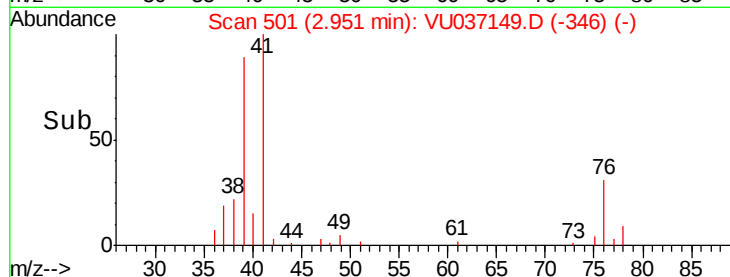
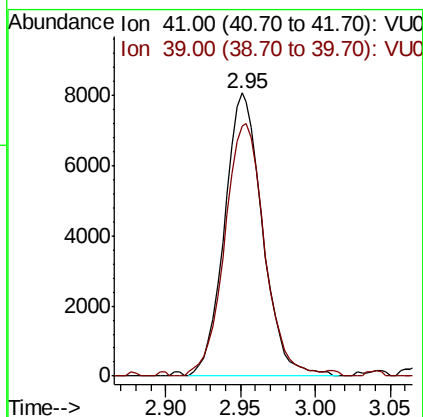
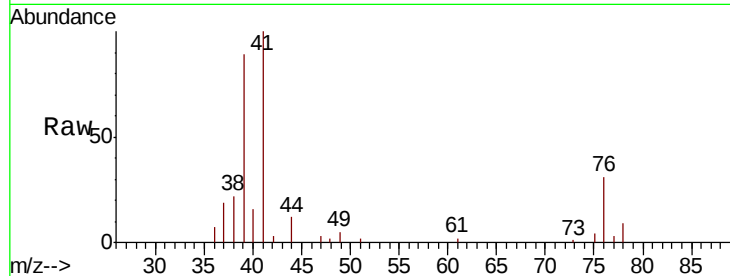




#11  
Allvl Chloride  
Concen: 2.031 ug/l  
RT: 2.95 min Scan# 501  
Delta R.T. -0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

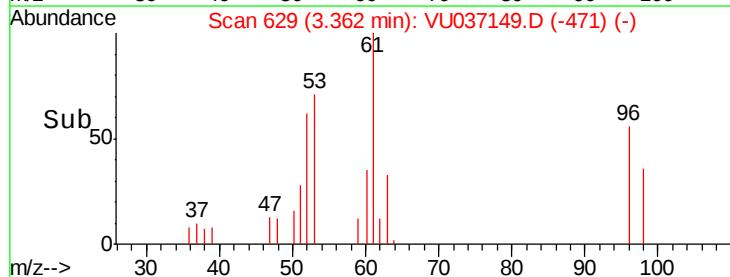
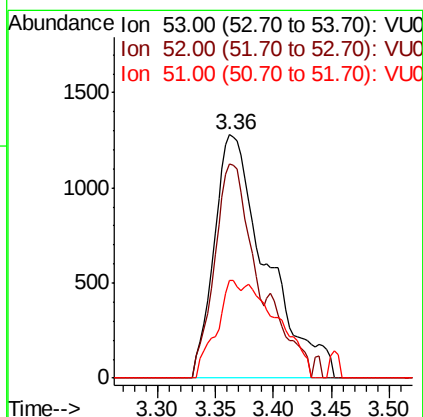
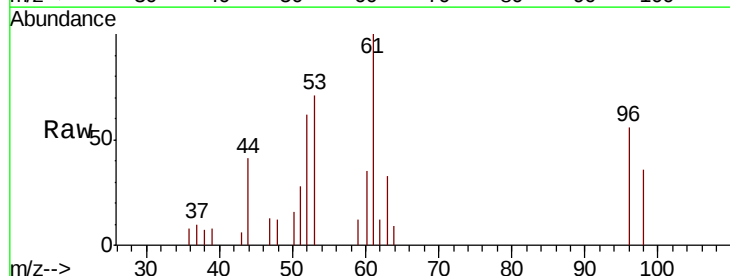
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0310WBS01

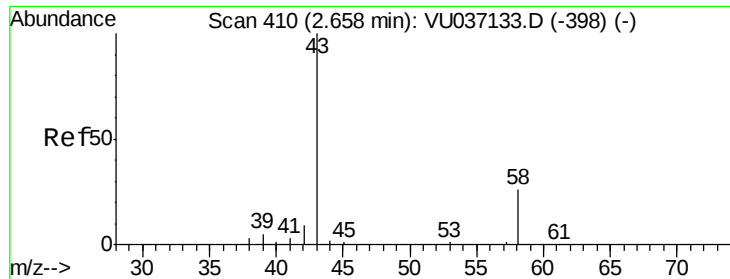
Tot Ion: 41 Resp: 14277  
Ion Ratio Lower Upper  
41 100  
39 93.5 50.7 76.1#



#12  
Acrylonitrile  
Concen: 4.658 ug/l  
RT: 3.36 min Scan# 629  
Delta R.T. 0.01 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Tgt Ion: 53 Resp: 3995  
Ion Ratio Lower Upper  
53 100  
52 61.5 64.6 97.0#  
51 18.7 27.2 40.8#





#13

Acetone

Concen: 10.806 ug/l

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

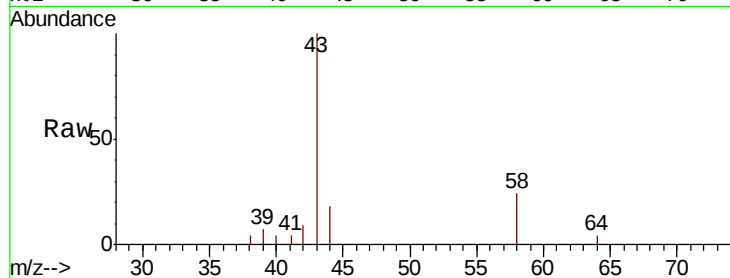
VU0310WBS01

Tot Ion: 43 Resp: 10300

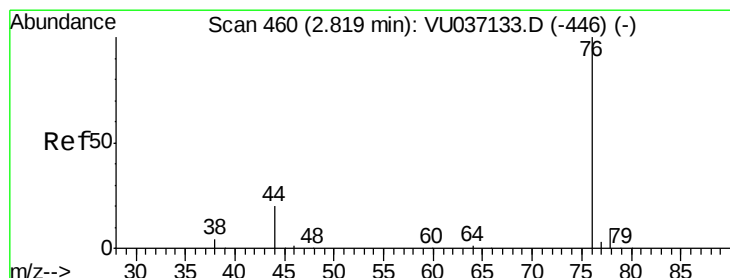
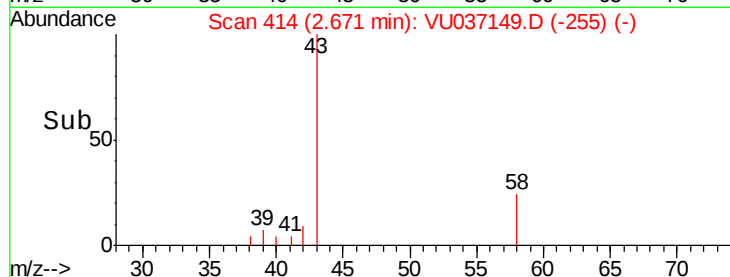
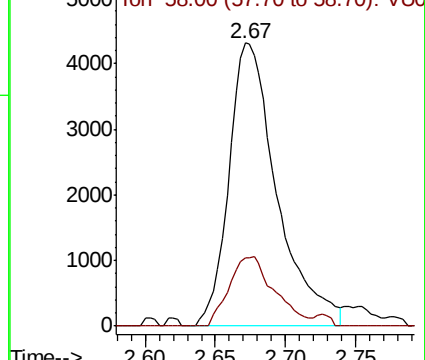
Ion Ratio Lower Upper

43 100

58 24.0 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VU037149.D (-255) (-)



#14

Carbon Disulfide

Concen: 1.989 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037149.D

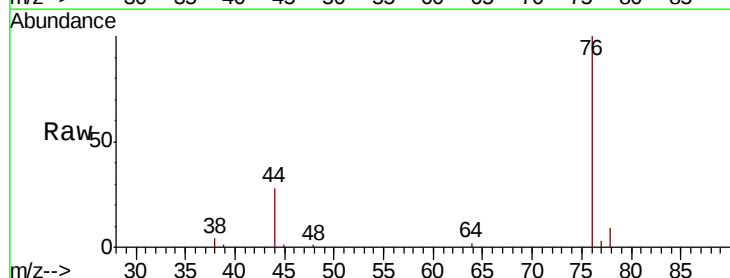
Acq: 10 Mar 2020 13:13

Tgt Ion: 76 Resp: 24018

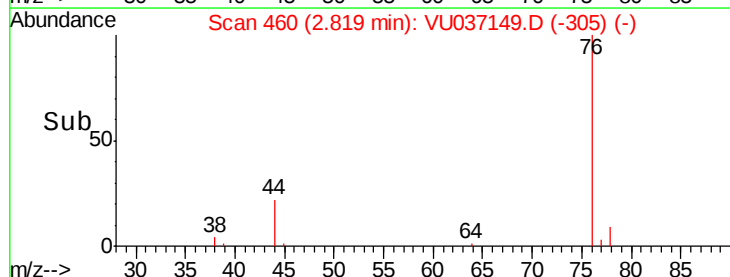
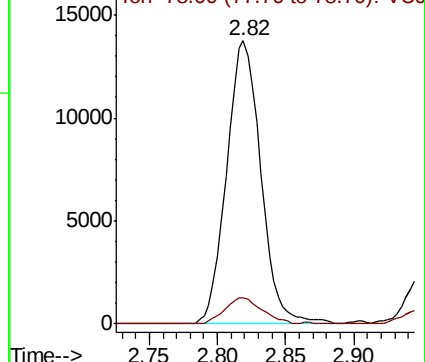
Ion Ratio Lower Upper

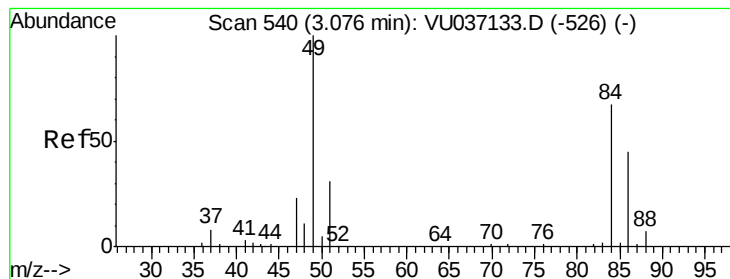
76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037149.D (-305) (-)





#15

Methylene Chloride

Concen: 2.299 ug/l

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

Tot Ion: 84 Resp: 10465

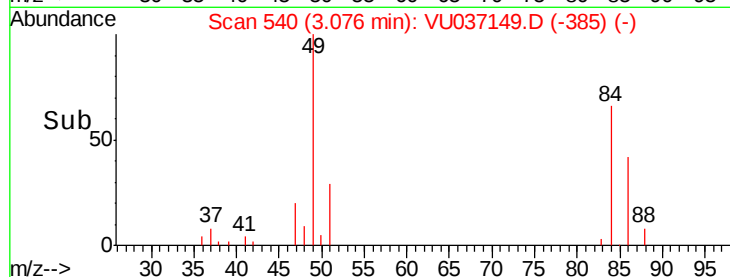
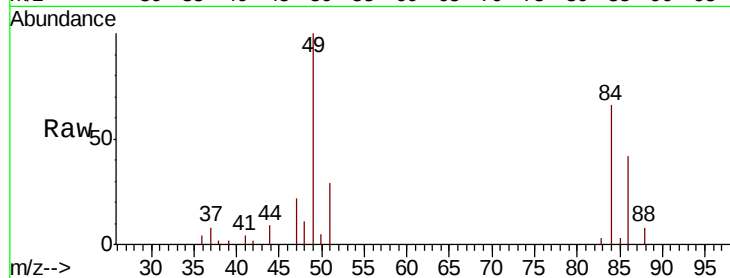
Ion Ratio Lower Upper

84 100

49 148.8 89.7 134.5#

51 44.2 0.0 71.6

86 63.6 51.4 77.2



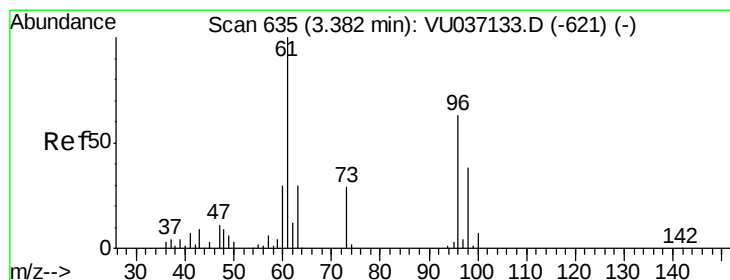
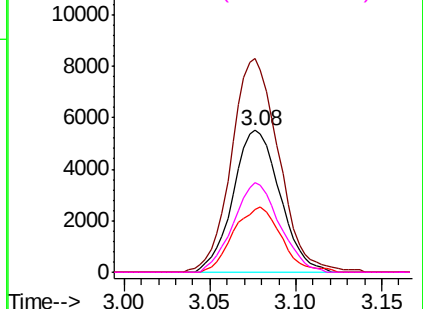
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 2.025 ug/l

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

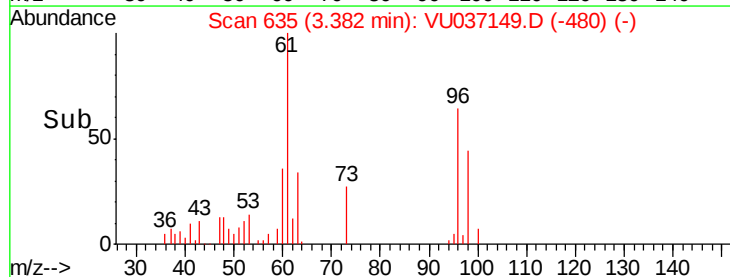
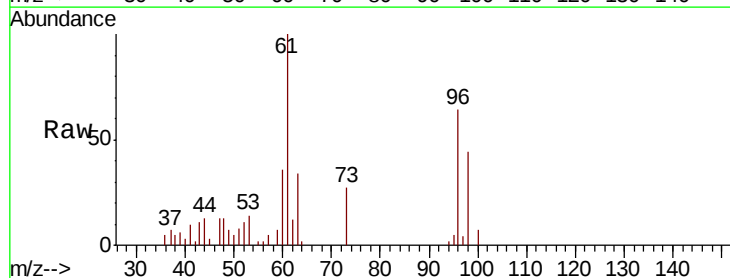
Tgt Ion: 96 Resp: 7797

Ion Ratio Lower Upper

96 100

61 152.1 110.8 166.2

98 68.8 50.3 75.5

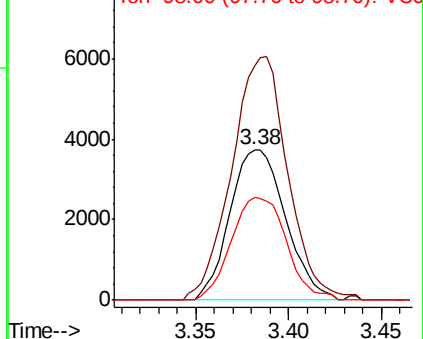


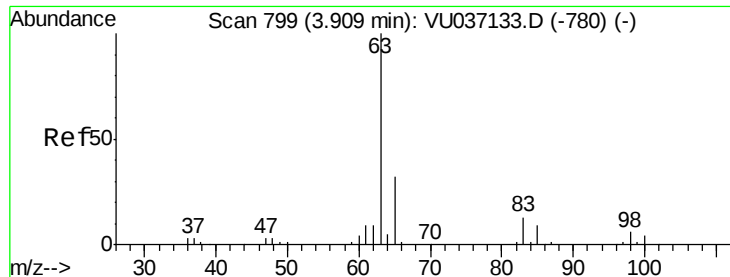
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

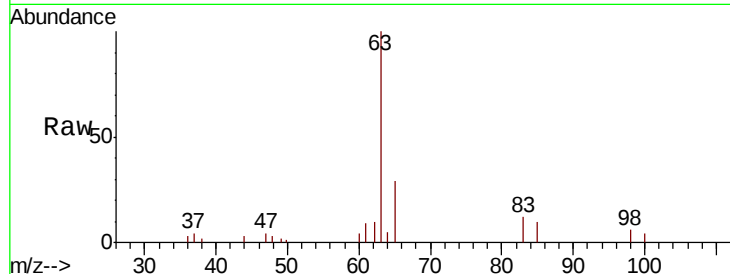




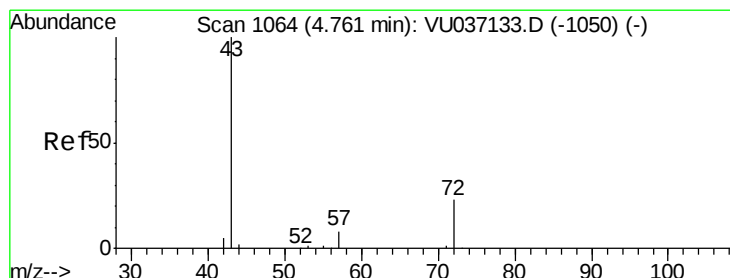
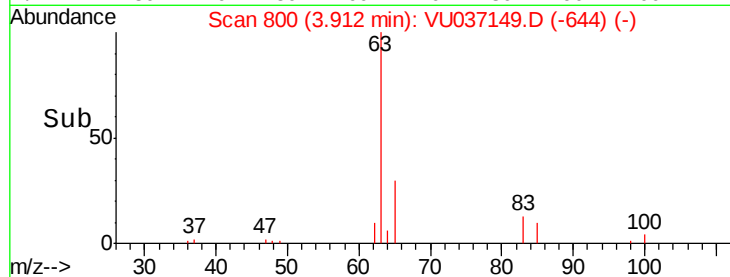
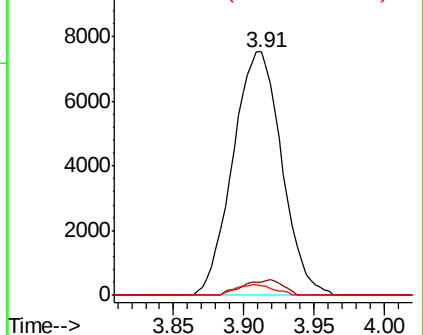
#17  
 1,1-Dichloroethane  
 Concen: 2.044 ug/l  
 RT: 3.91 min Scan# 800  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

Tot Ion: 63 Resp: 18244  
 Ion Ratio Lower Upper  
 63 100  
 98 5.5 3.5 10.5  
 100 4.0 2.4 7.1

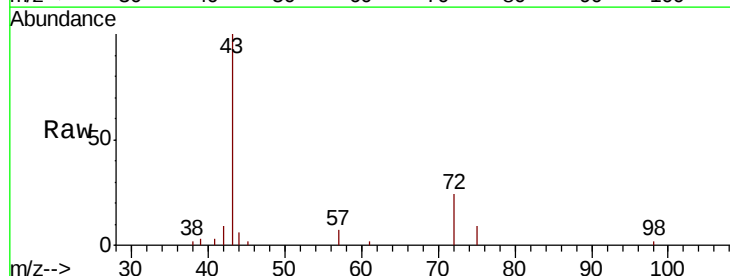


Abundance Ion 63.00 (62.70 to 63.70): VU0  
 Ion 98.00 (97.70 to 98.70): VU0  
 Ion 100.00 (99.70 to 100.70): VU0

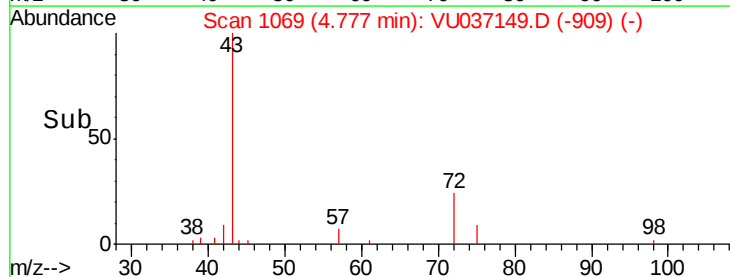
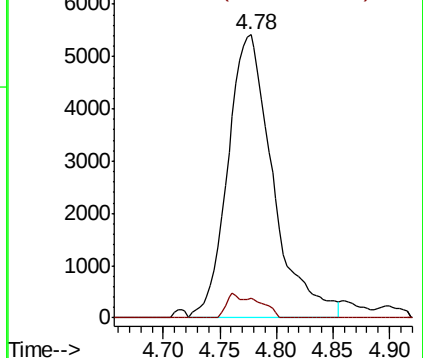


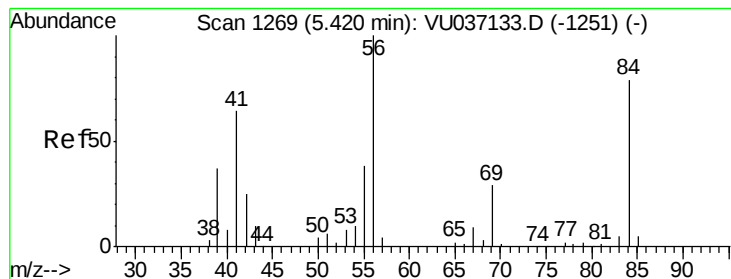
#18  
 2-Butanone  
 Concen: 10.349 ug/l  
 RT: 4.78 min Scan# 1069  
 Delta R.T. 0.02 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion: 43 Resp: 15078  
 Ion Ratio Lower Upper  
 43 100  
 57 6.9 0.0 17.8



Abundance Ion 43.00 (42.70 to 43.70): VU0  
 Ion 57.00 (56.70 to 57.70): VU0





#19

Cyclohexane

Concen: 1.671 ug/l

RT: 5.42 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

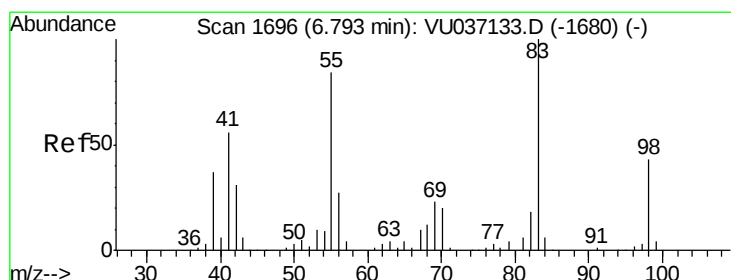
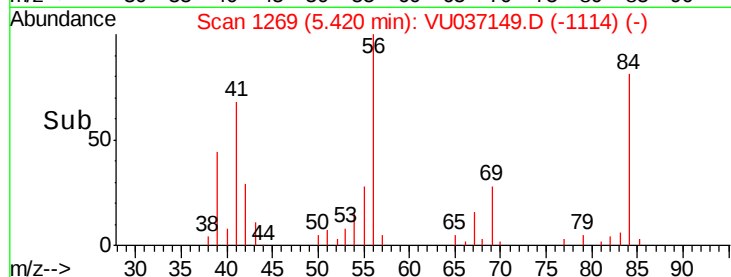
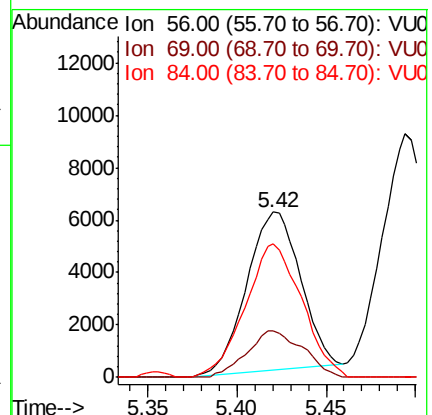
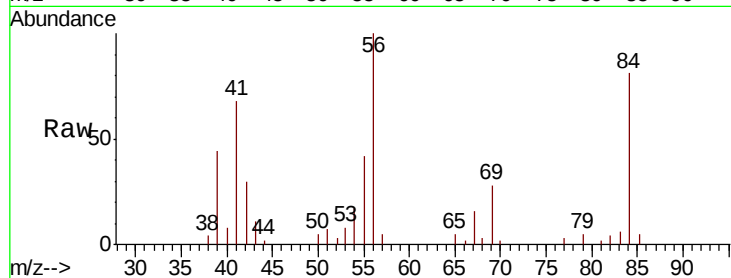
Tot Ion: 56 Resp: 12702

Ion Ratio Lower Upper

56 100

69 30.6 26.2 39.2

84 88.6 72.8 109.2



#20

Methylcyclohexane

Concen: 1.750 ug/l

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

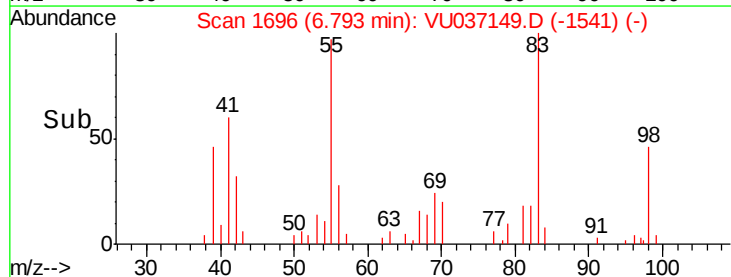
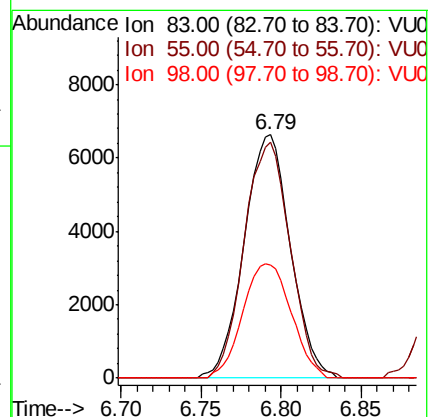
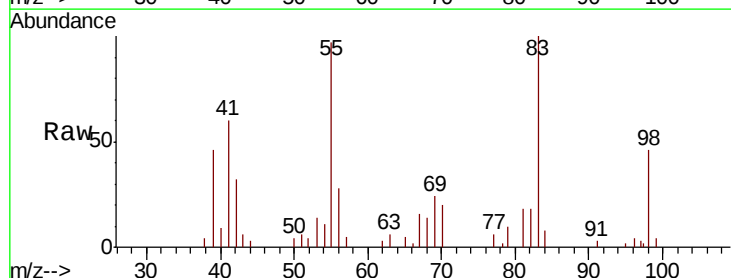
Tgt Ion: 83 Resp: 13141

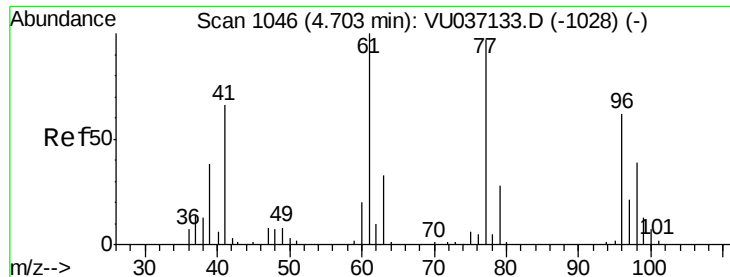
Ion Ratio Lower Upper

83 100

55 96.2 56.6 85.0#

98 49.2 37.5 56.3

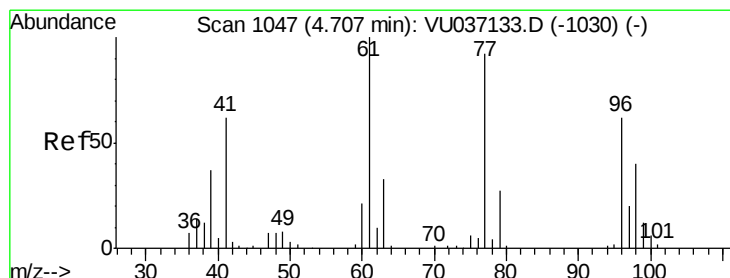
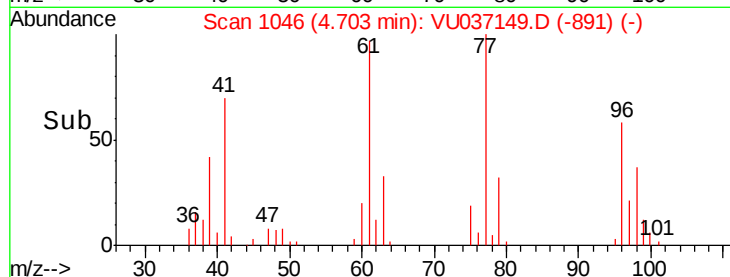
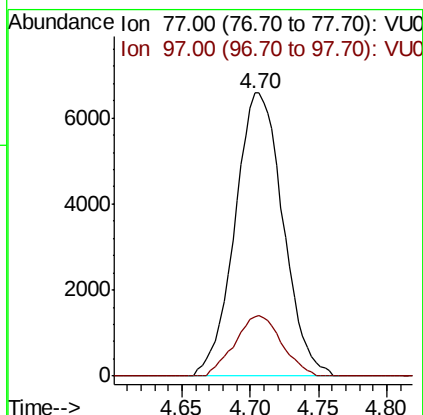
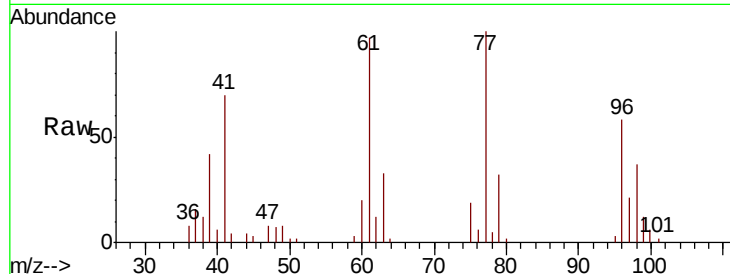




#21  
 2,2-Dichloropropane  
 Concen: 1.975 ug/l  
 RT: 4.70 min Scan# 1046  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

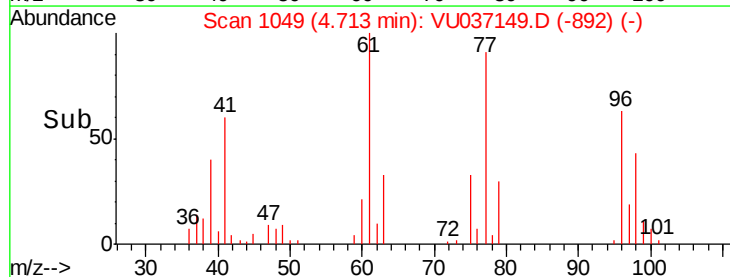
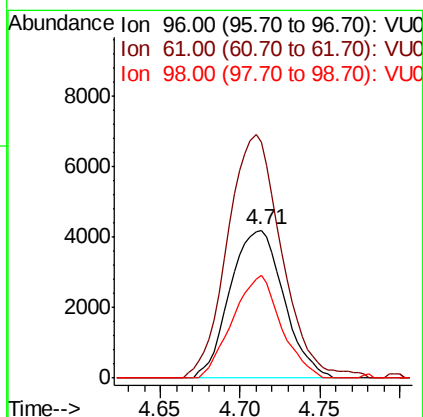
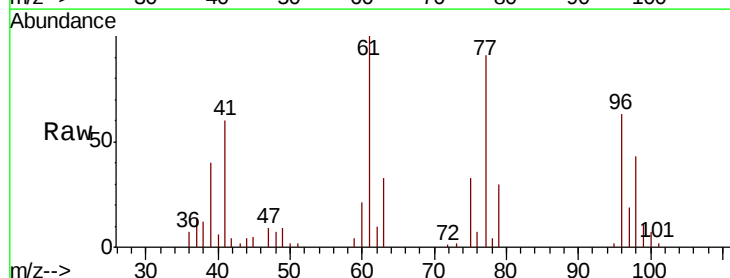
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

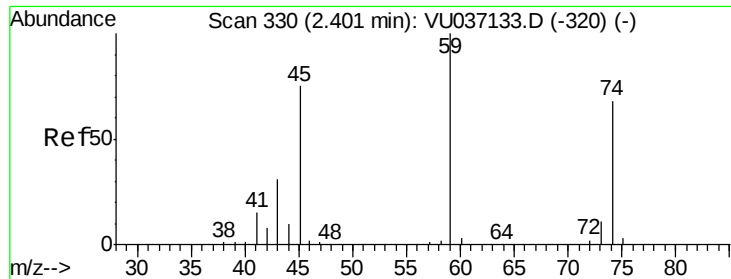
Tot Ion: 77 Resp: 16089  
 Ion Ratio Lower Upper  
 77 100  
 97 20.9 19.0 28.4



#22  
 cis-1,2-Dichloroethene  
 Concen: 2.022 ug/l  
 RT: 4.71 min Scan# 1049  
 Delta R.T. 0.01 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion: 96 Resp: 9644  
 Ion Ratio Lower Upper  
 96 100  
 61 166.2 0.0 342.0  
 98 62.5 32.0 96.0





#23

Diethyl Ether

Concen: 2.060 ug/l

RT: 2.40 min Scan# 331

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

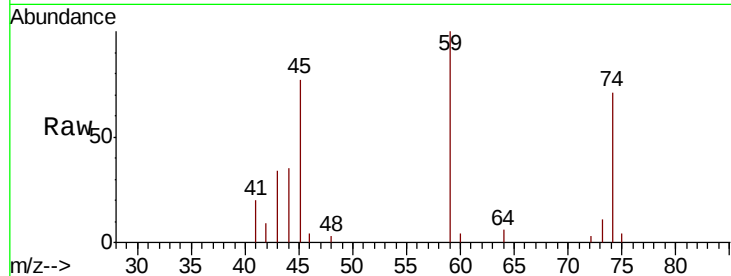
Tot Ion: 59 Resp: 6326

Ion Ratio Lower Upper

59 100

45 78.9 52.4 78.6#

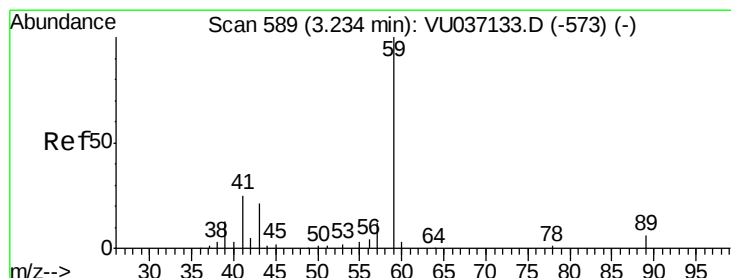
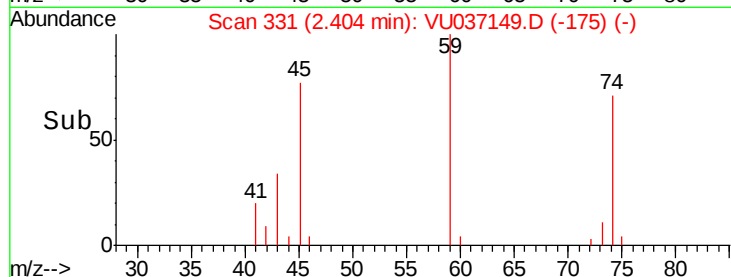
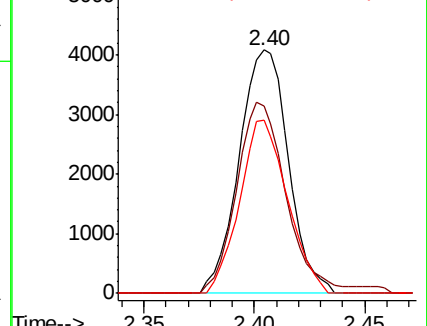
74 68.9 62.1 93.1



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#24

tert-Butyl Alcohol

Concen: 0.587 ug/l

RT: 3.22 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU037149.D

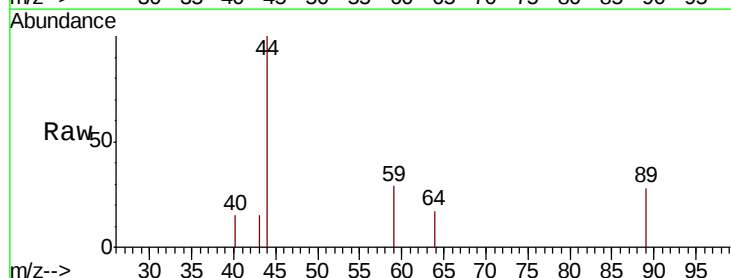
Acq: 10 Mar 2020 13:13

Tgt Ion: 59 Resp: 197

Ion Ratio Lower Upper

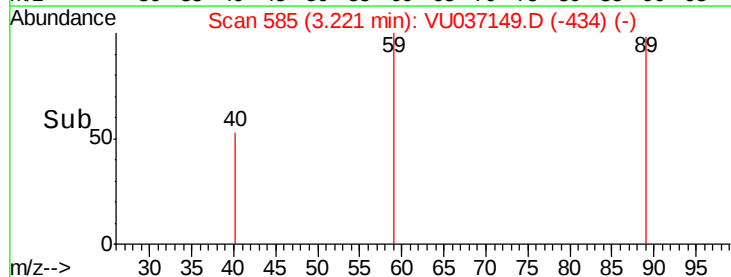
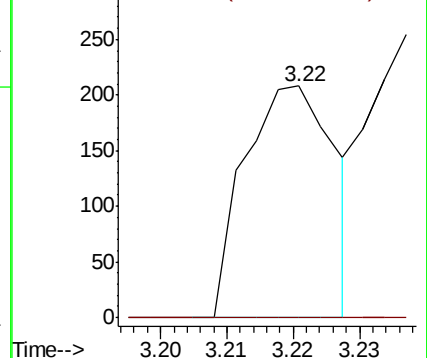
59 100

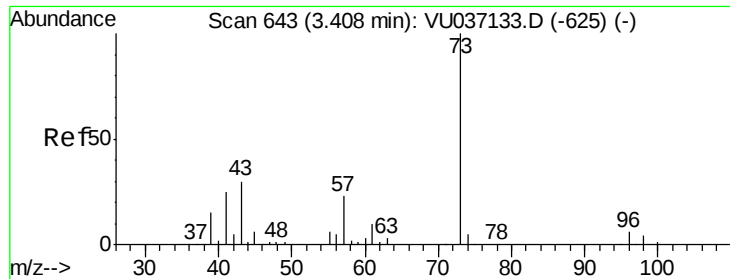
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



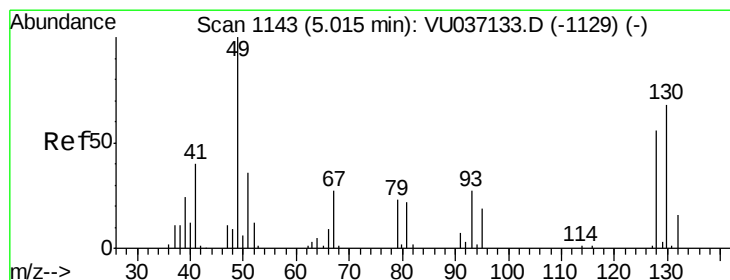
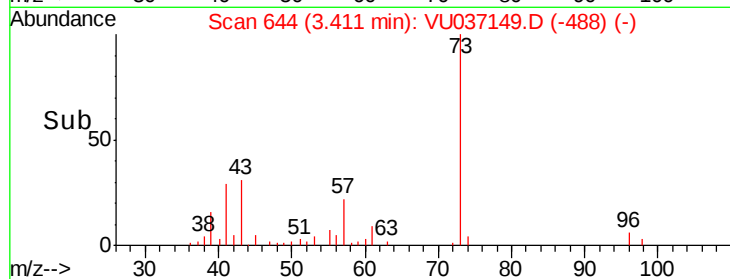
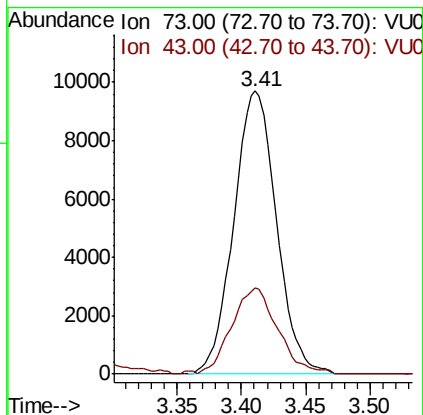
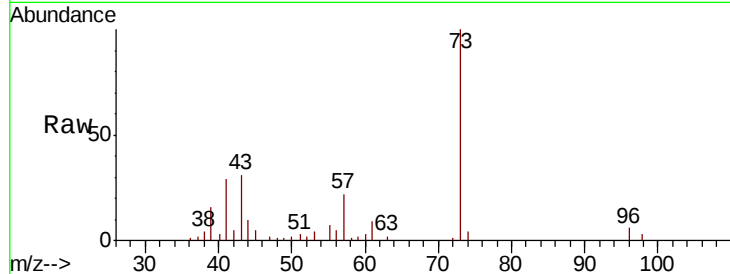


#25

Methyl tert-Butyl Ether  
 Concen: 2.107 ug/l  
 RT: 3.41 min Scan# 644  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

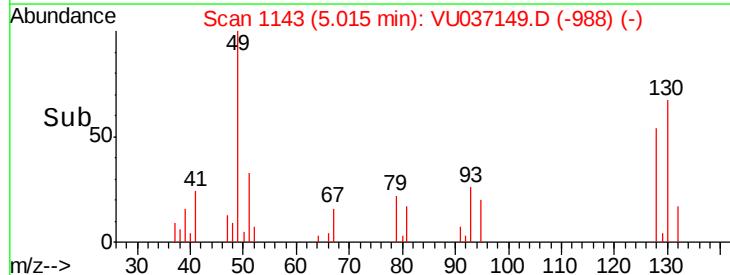
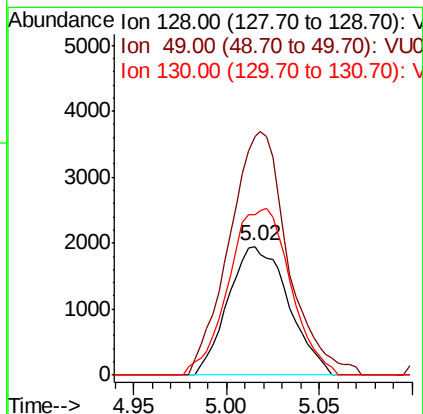
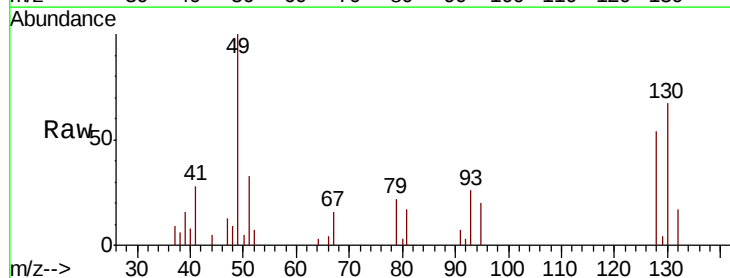
Tot Ion: 73 Resp: 22384  
 Ion Ratio Lower Upper  
 73 100  
 43 32.8 14.5 21.7#

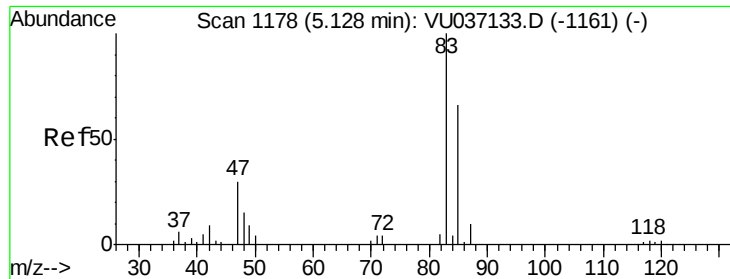


#26

Bromochloromethane  
 Concen: 2.104 ug/l  
 RT: 5.02 min Scan# 1143  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion: 128 Resp: 4417  
 Ion Ratio Lower Upper  
 128 100  
 49 184.1 0.0 286.2  
 130 132.8 104.3 156.5

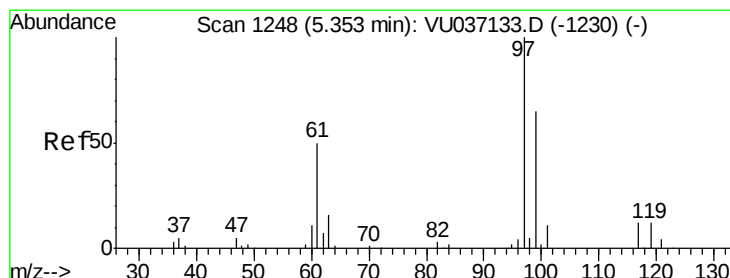
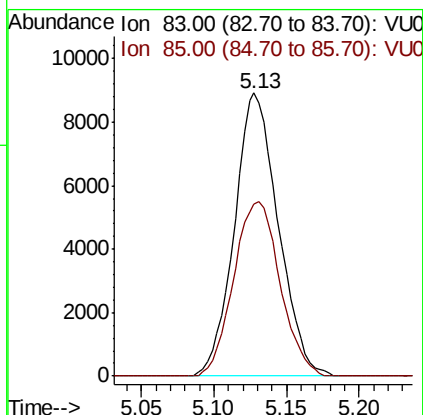
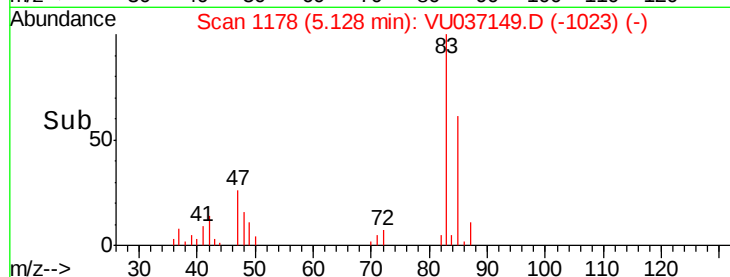
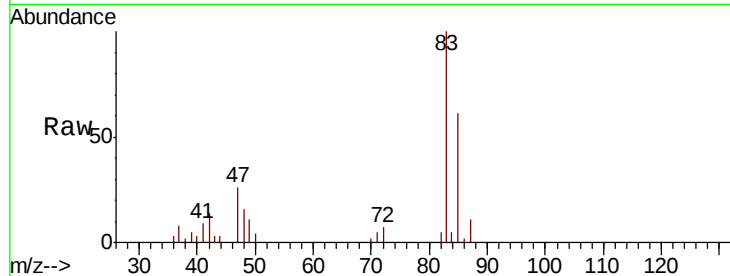




#27  
Chloroform  
Concen: 1.948 ug/l  
RT: 5.13 min Scan# 1178  
Delta R.T. -0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

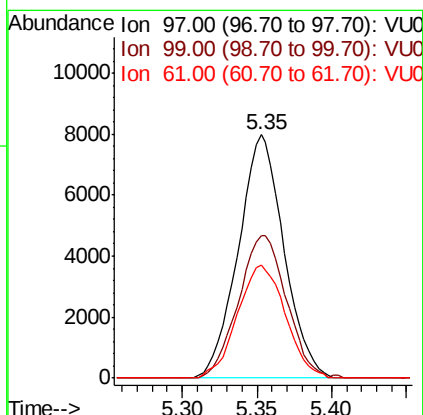
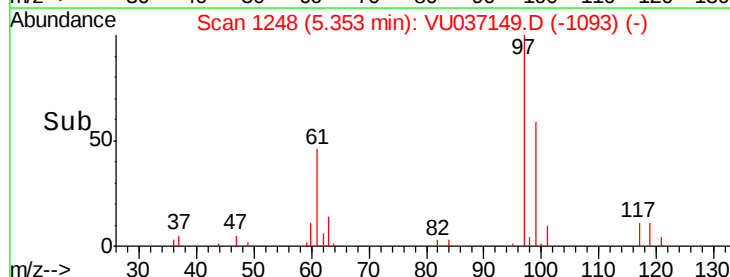
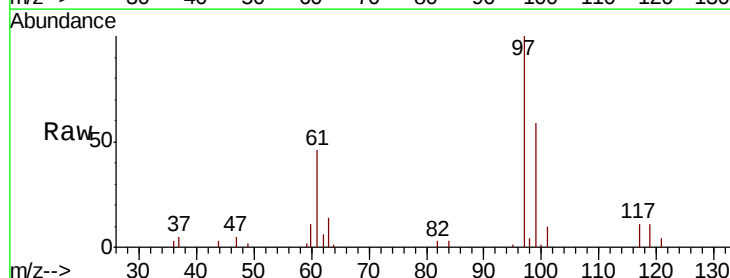
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0310WBS01

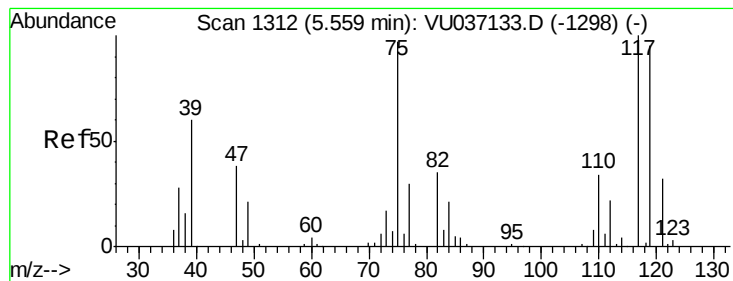
Tot Ion: 83 Resp: 18729  
Ion Ratio Lower Upper  
83 100  
85 60.9 0.0 129.0



#28  
1,1,1-Trichloroethane  
Concen: 2.061 ug/l  
RT: 5.35 min Scan# 1248  
Delta R.T. -0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Tgt Ion: 97 Resp: 16886  
Ion Ratio Lower Upper  
97 100  
99 61.5 32.1 96.3  
61 48.7 22.7 68.0





#29

1,1-Dichloropropene

Concen: 1.972 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

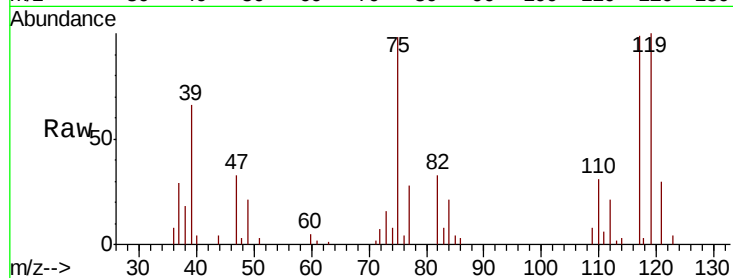
Tot Ion: 75 Resp: 13134

Ion Ratio Lower Upper

75 100

110 34.4 18.6 55.8

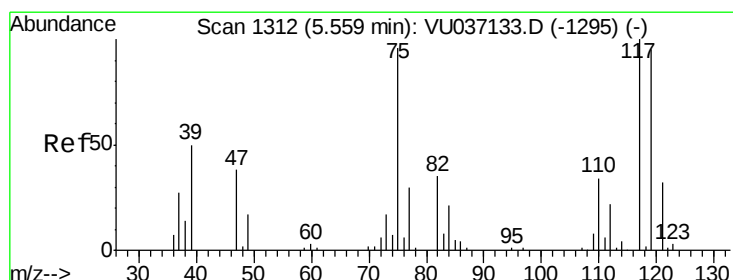
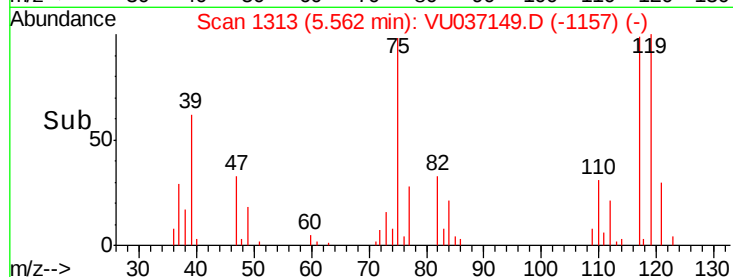
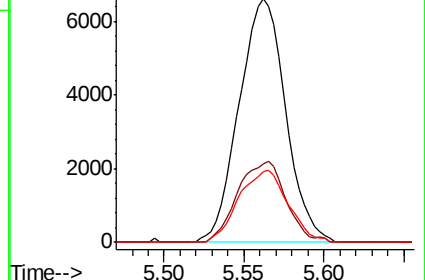
77 31.3 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VU037133.D (-1298) (-)

Ion 110.00 (109.70 to 110.70): VU037133.D (-1298) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1298) (-)



#30

Carbon Tetrachloride

Concen: 2.023 ug/l

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

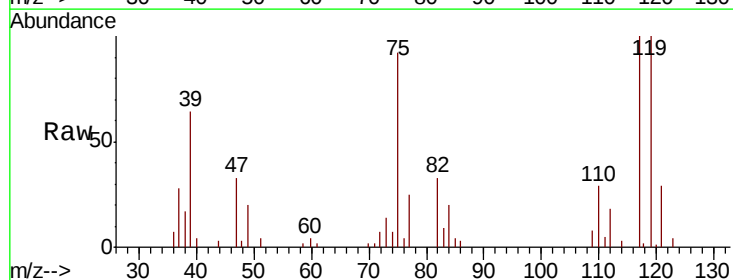
Tgt Ion: 117 Resp: 14509

Ion Ratio Lower Upper

117 100

119 99.8 77.0 115.6

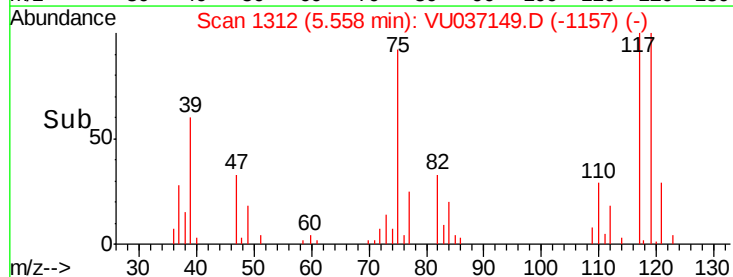
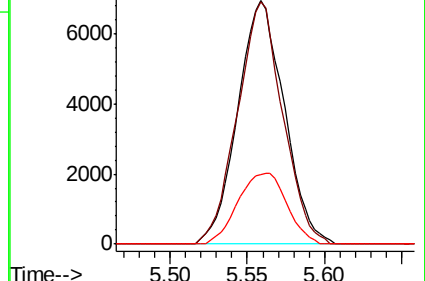
121 28.6 23.3 34.9

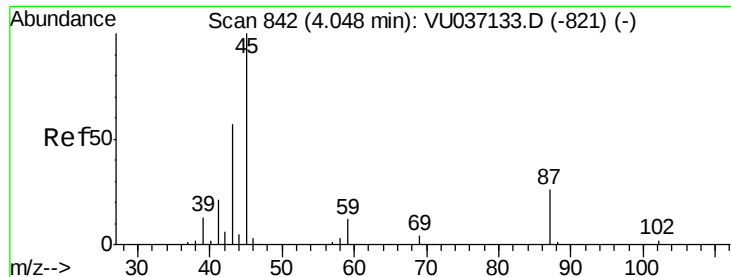


Abundance Ion 117.00 (116.70 to 117.70): VU037133.D (-1295) (-)

Ion 119.00 (118.70 to 119.70): VU037133.D (-1295) (-)

Ion 121.00 (120.70 to 121.70): VU037133.D (-1295) (-)





#31

Isopropyl Ether

Concen: 1.919 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

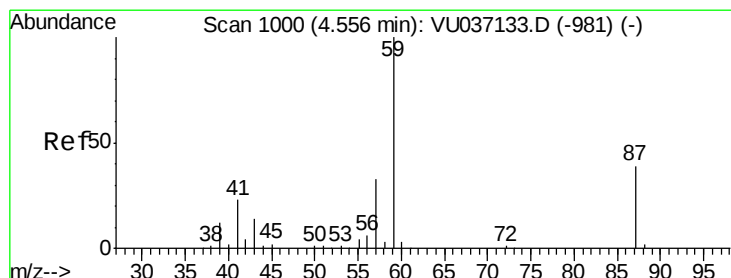
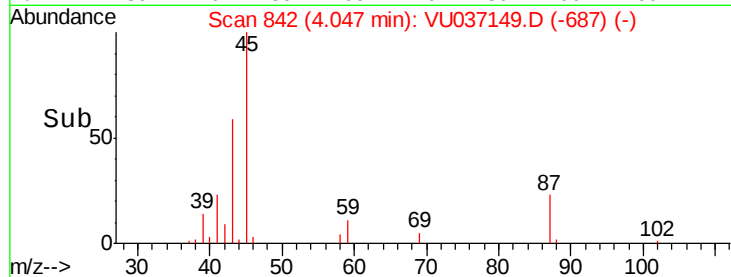
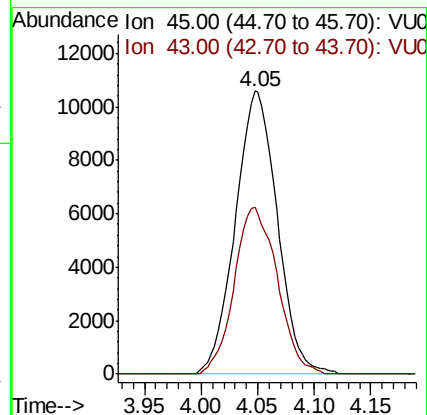
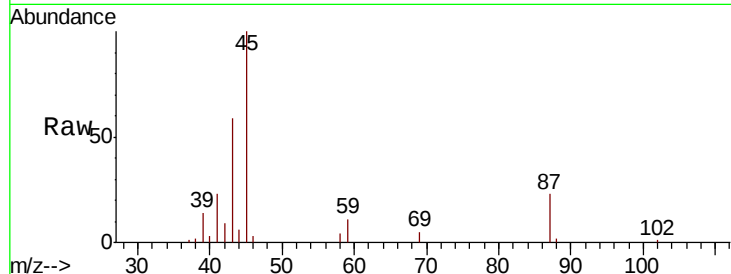
VU0310WBS01

Tot Ion: 45 Resp: 27344

Ion Ratio Lower Upper

45 100

43 60.5 24.0 72.0



#32

Ethyl-t-butyl ether

Concen: 1.883 ug/l

RT: 4.56 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VU037149.D

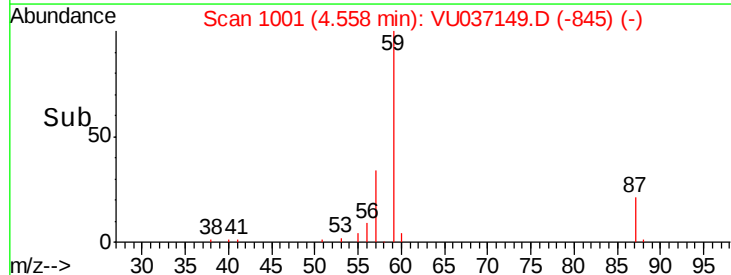
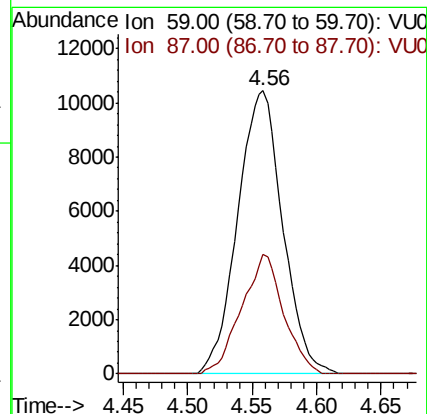
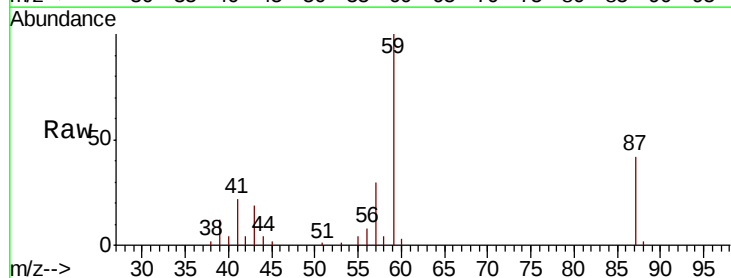
Acq: 10 Mar 2020 13:13

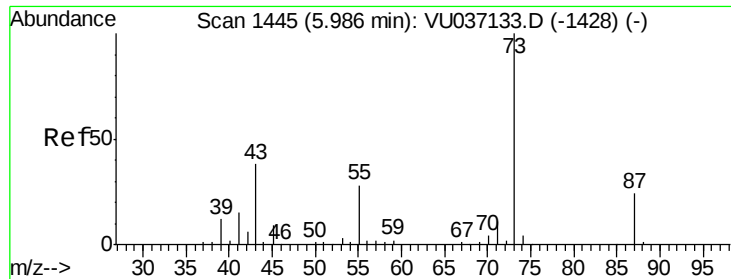
Tgt Ion: 59 Resp: 25328

Ion Ratio Lower Upper

59 100

87 39.5 35.1 52.7

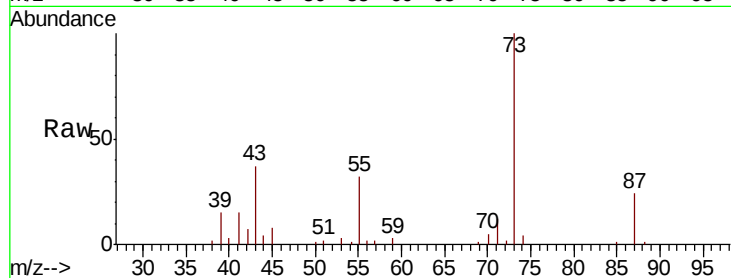




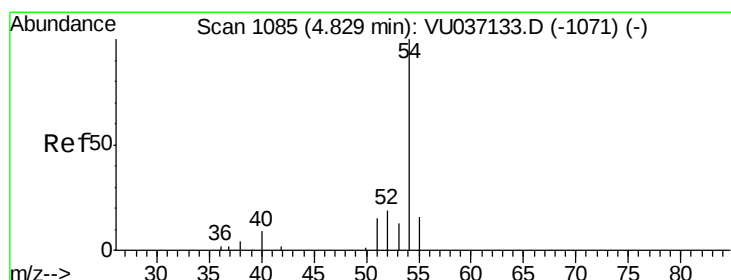
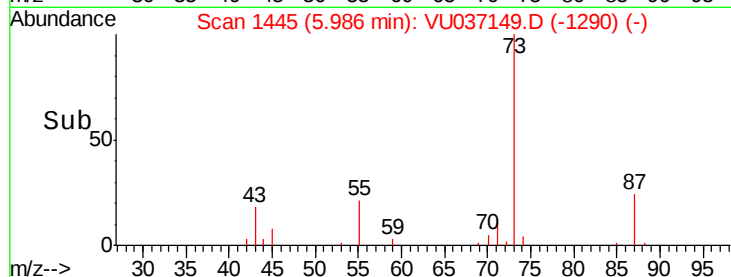
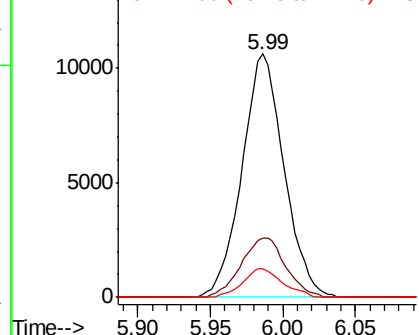
#33  
Tert-Butyl methyl ether  
Concen: 1.855 ug/l  
RT: 5.99 min Scan# 1445  
Delta R.T. -0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0310WBS01

Tot Ion: 73 Resp: 21414  
Ion Ratio Lower Upper  
73 100  
87 25.7 19.8 29.6  
71 11.1 9.1 13.7



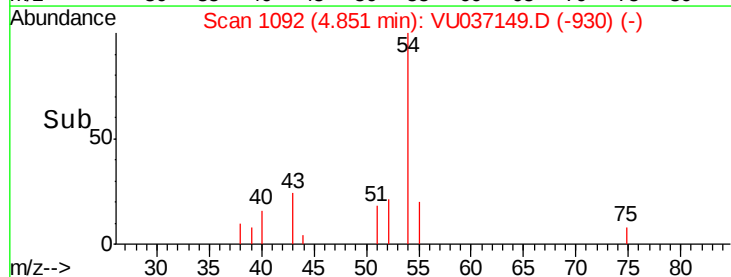
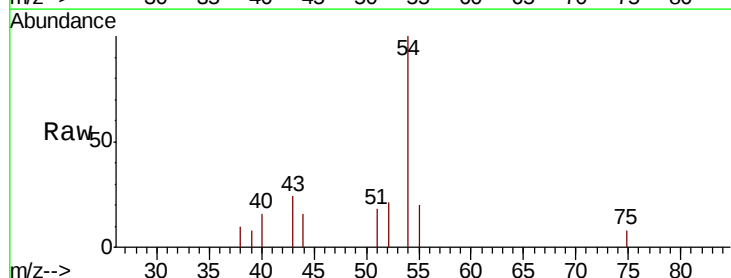
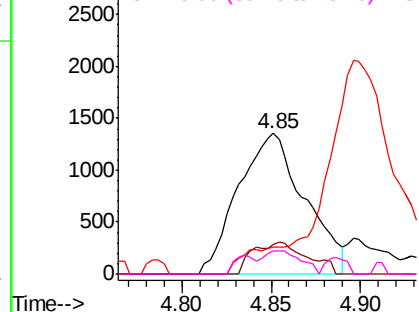
Abundance Ion 73.00 (72.70 to 73.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0

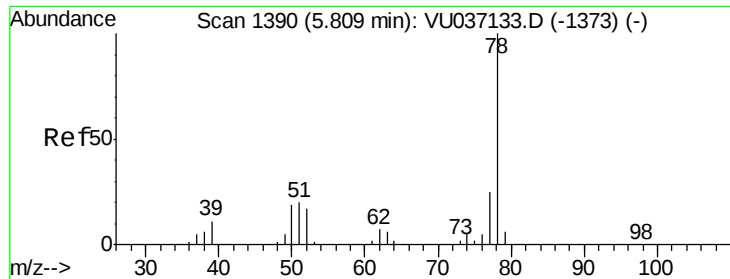


#34  
Propionitrile  
Concen: 9.183 ug/l  
RT: 4.85 min Scan# 1092  
Delta R.T. 0.02 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Tgt Ion: 54 Resp: 3519  
Ion Ratio Lower Upper  
54 100  
52 18.4 15.2 22.8  
55 0.0 9.5 14.3#  
40 9.2 4.6 6.8#

Abundance Ion 54.00 (53.70 to 54.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 1.998 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

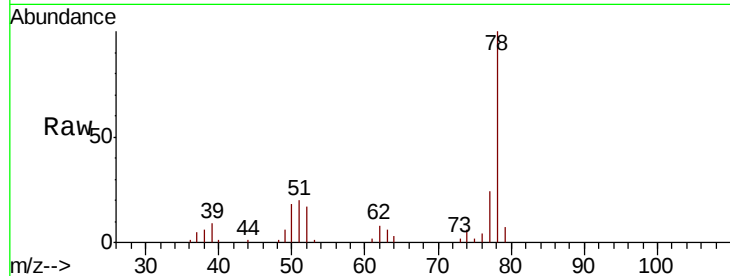
VU0310WBS01

Tot Ion: 78 Resp: 37802

Ion Ratio Lower Upper

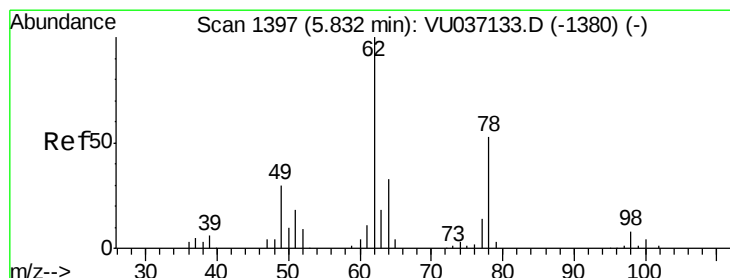
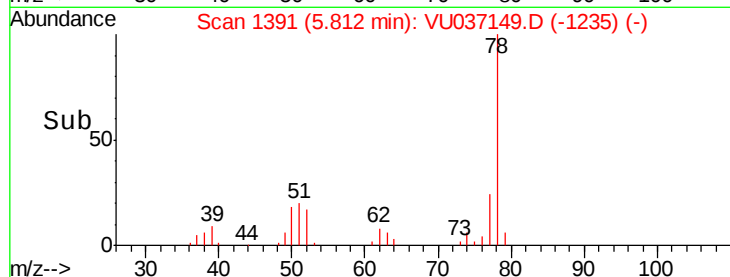
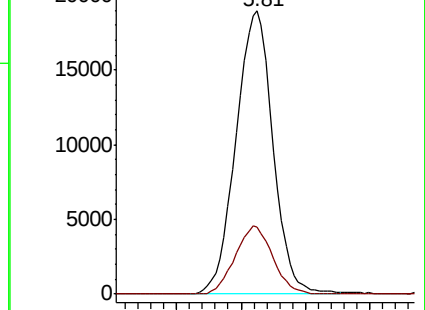
78 100

77 23.6 19.4 29.0



Abundance Ion 78.10 (77.80 to 78.80): VU037133.D (-1373) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-1373) (-)



#36

1,2-Dichloroethane

Concen: 2.033 ug/l

RT: 5.83 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VU037149.D

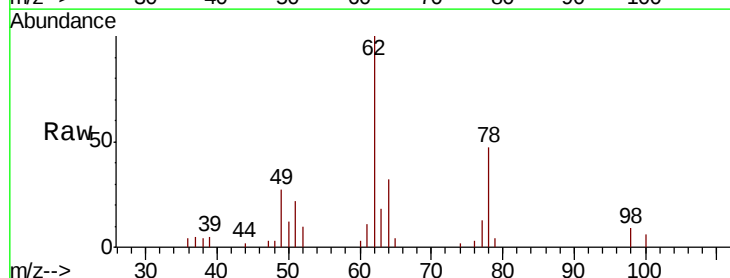
Acq: 10 Mar 2020 13:13

Tgt Ion: 62 Resp: 13945

Ion Ratio Lower Upper

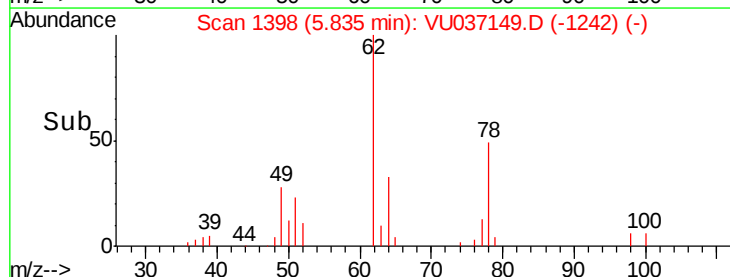
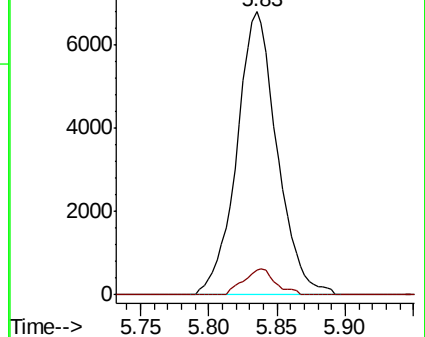
62 100

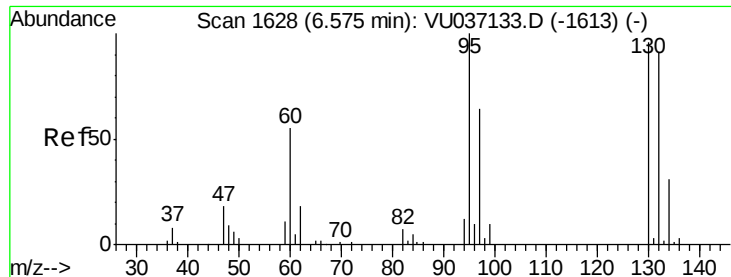
98 7.2 7.8 11.8#



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-1380) (-)

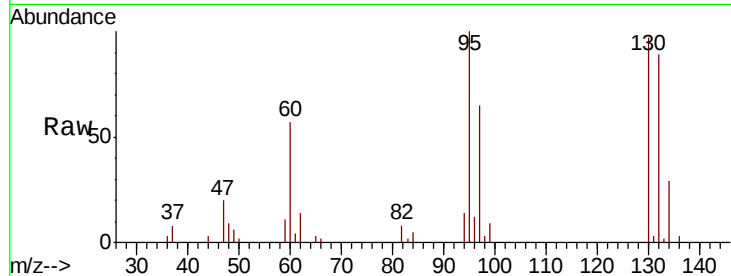




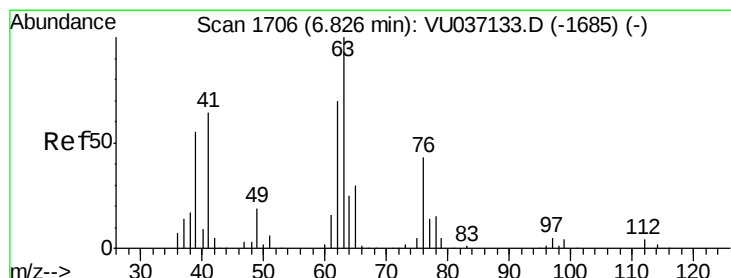
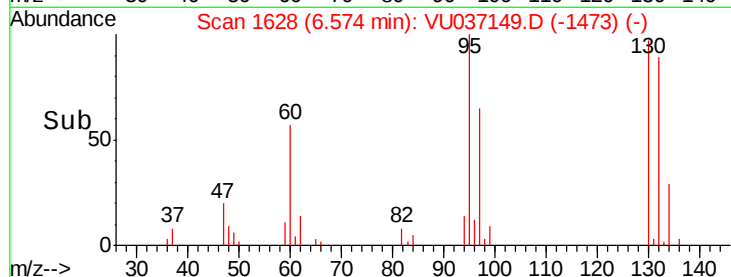
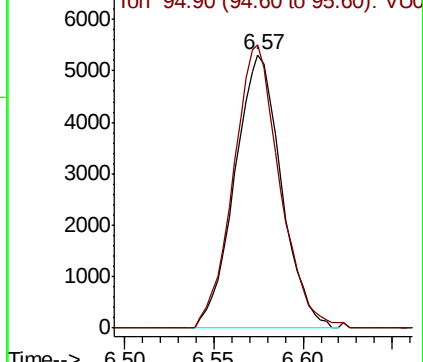
#37  
 Trichloroethene  
 Concen: 1.944 ug/l  
 RT: 6.57 min Scan# 1628  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

Tot Ion:130 Resp: 9652  
 Ion Ratio Lower Upper  
 130 100  
 95 103.6 77.0 115.4

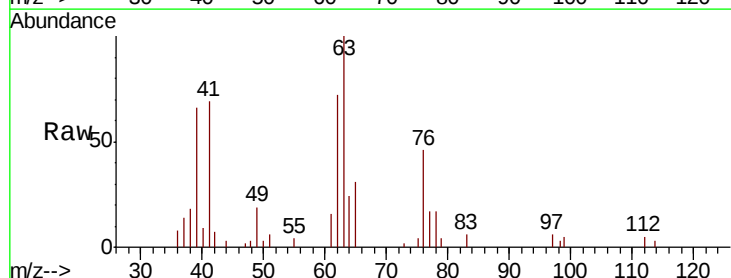


Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)  
 Ion 94.90 (94.60 to 95.60): VU037133.D (-1613) (-)

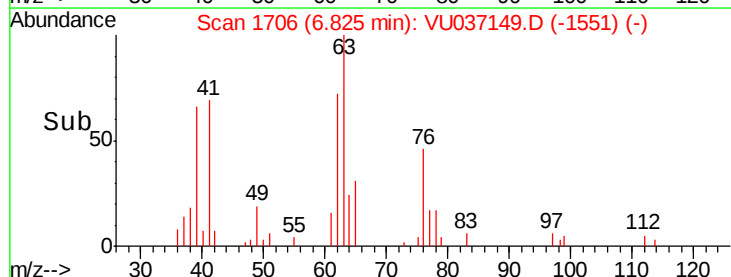
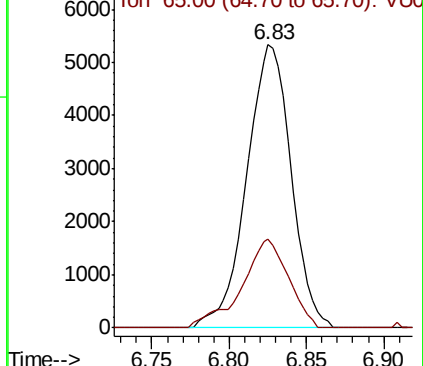


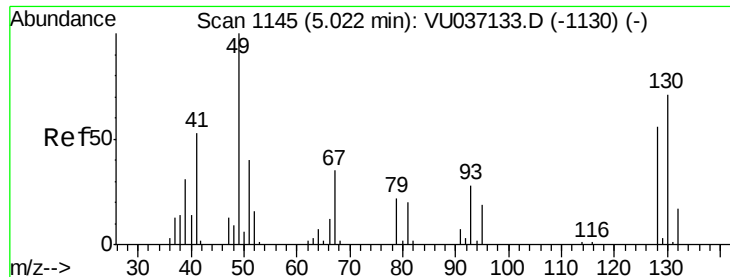
#38  
 1,2-Dichloropropane  
 Concen: 2.054 ug/l  
 RT: 6.83 min Scan# 1706  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion: 63 Resp: 10663  
 Ion Ratio Lower Upper  
 63 100  
 65 31.2 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU037133.D (-1685) (-)  
 Ion 65.00 (64.70 to 65.70): VU037133.D (-1685) (-)





#39

Methacrylonitrile

Concen: 2.036 ug/l

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

Tot Ion: 41 Resp: 3765

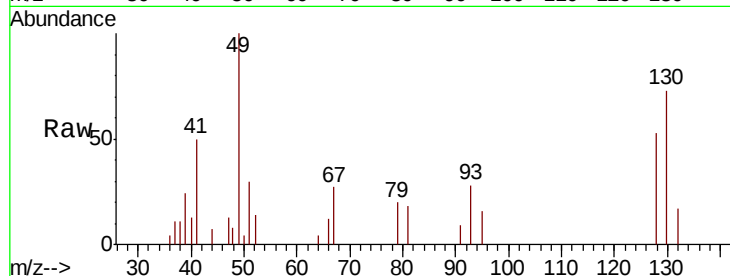
Ion Ratio Lower Upper

41 100

67 51.6 69.6 104.4#

39 54.5 41.6 62.4

52 29.2 25.9 38.9

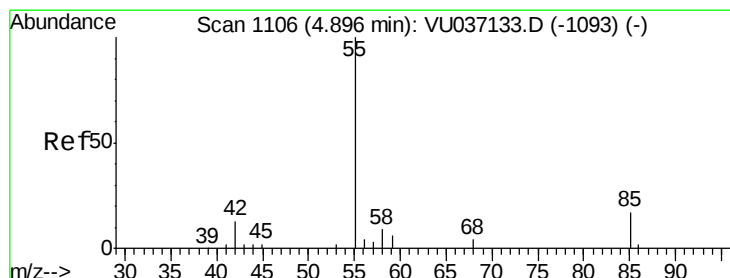
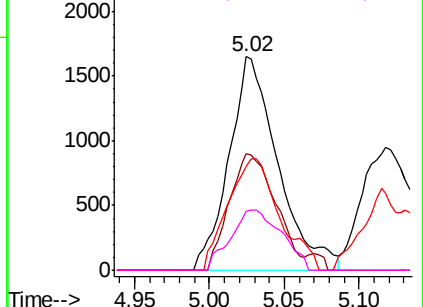
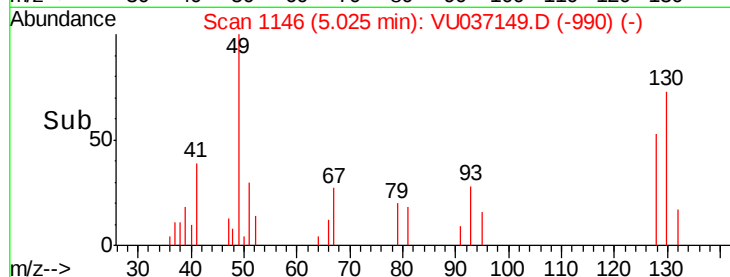


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40

Methyl acrylate

Concen: 2.297 ug/l

RT: 4.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Tgt Ion: 55 Resp: 5873

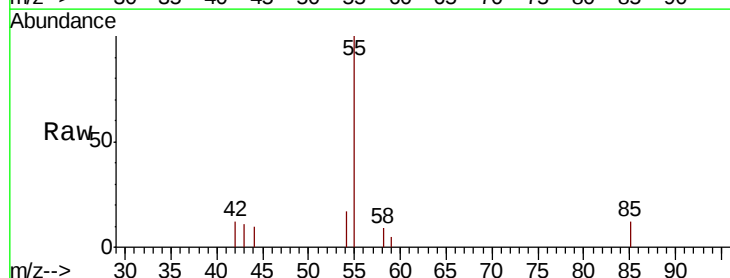
Ion Ratio Lower Upper

55 100

85 9.4 14.7 22.1#

58 4.0 7.1 10.7#

42 5.2 6.9 10.3#

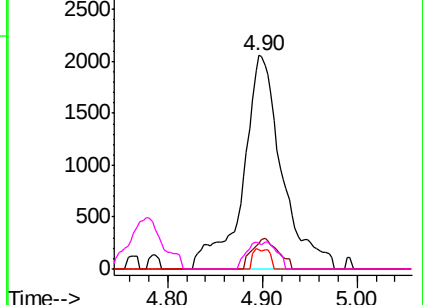
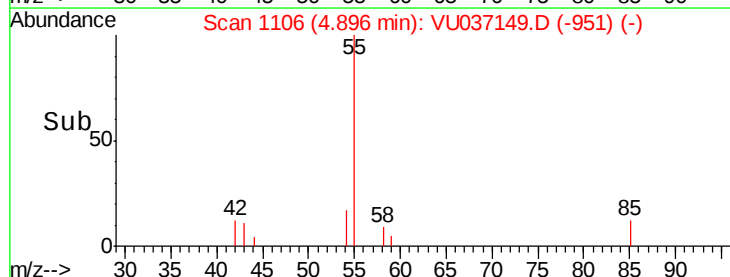


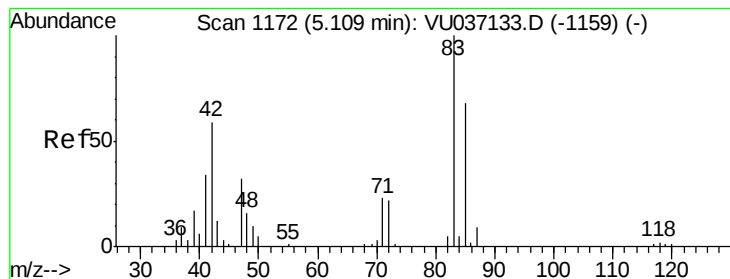
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 3.704 ug/l

RT: 5.12 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

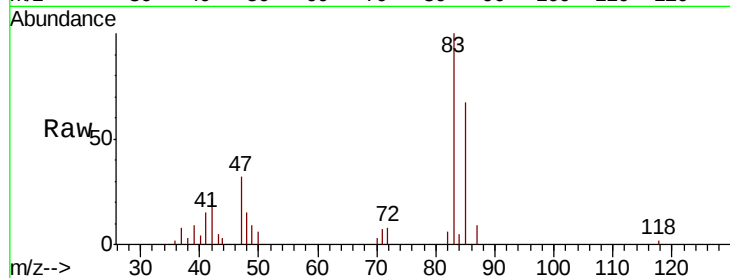
Tot Ion: 42 Resp: 3417

Ion Ratio Lower Upper

42 100

72 40.8 42.5 63.7#

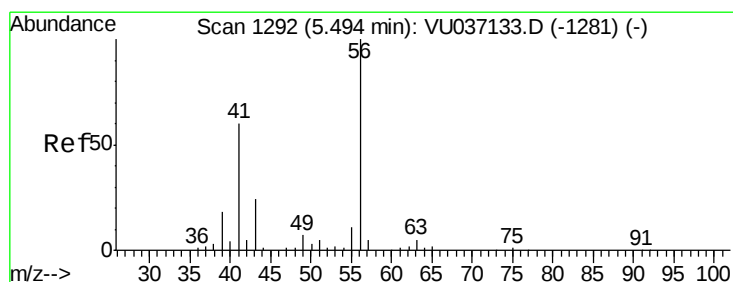
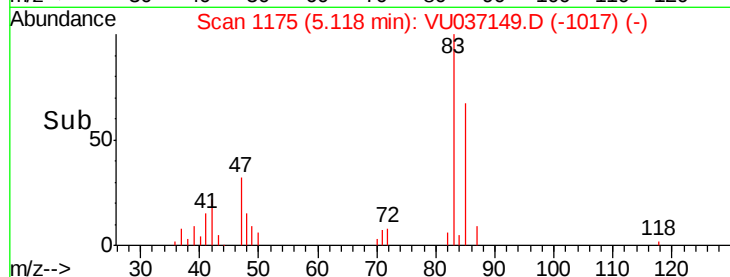
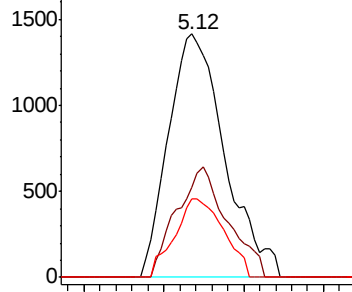
71 27.9 37.3 55.9#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.973 ug/l

RT: 5.49 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VU037149.D

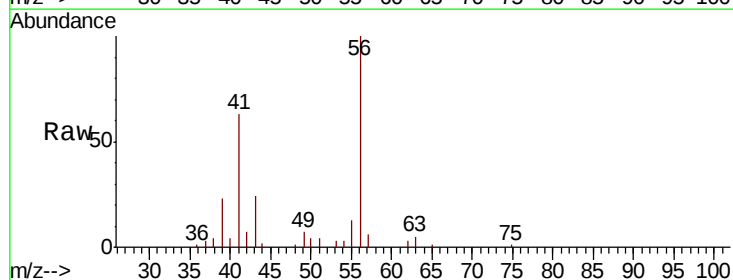
Acq: 10 Mar 2020 13:13

Tgt Ion: 56 Resp: 18921

Ion Ratio Lower Upper

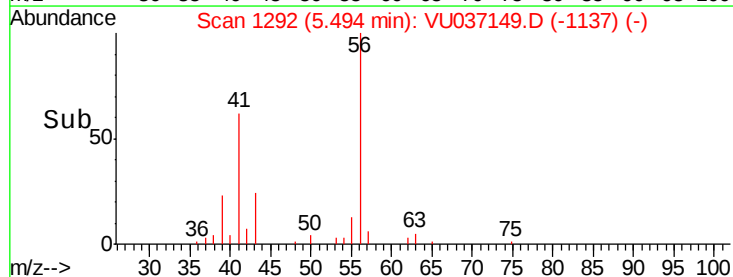
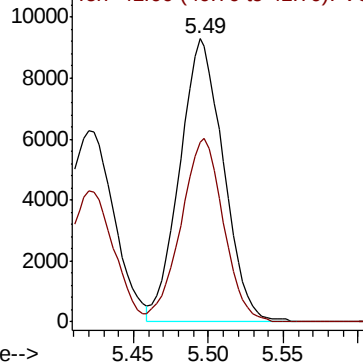
56 100

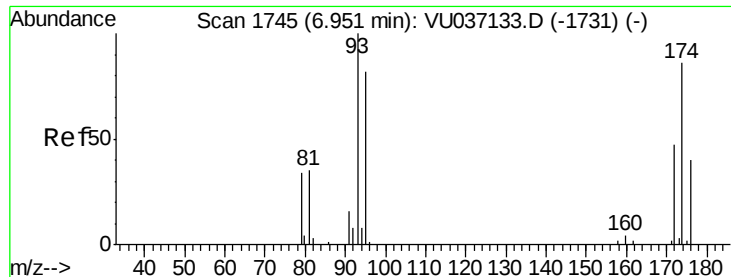
41 63.1 24.8 74.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 2.206 ug/l

RT: 6.95 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

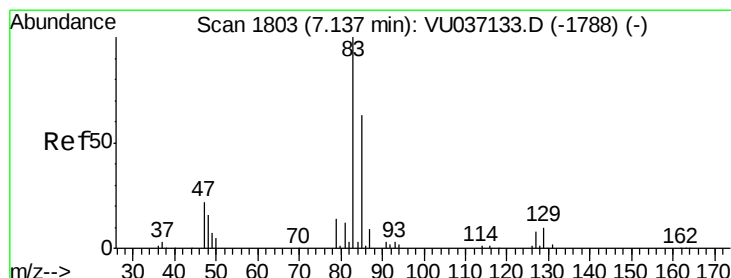
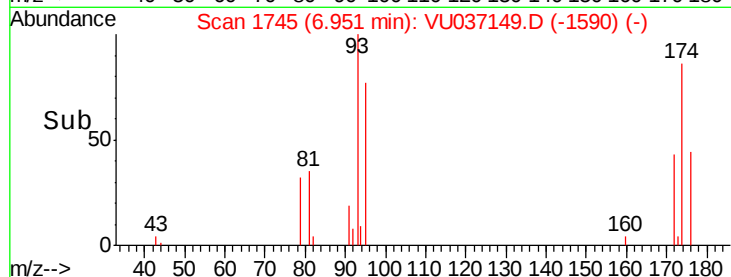
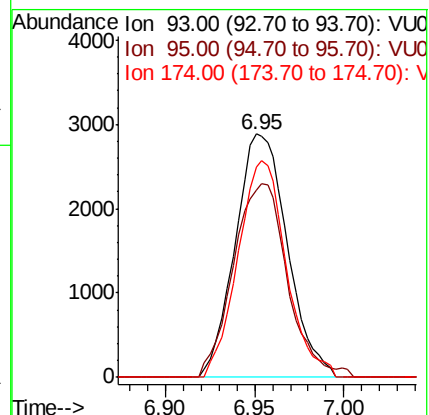
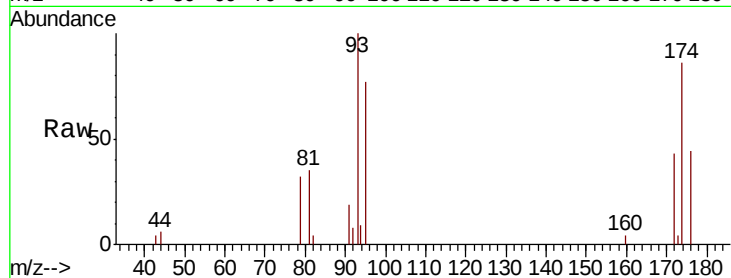
Tot Ion: 93 Resp: 5871

Ion Ratio Lower Upper

93 100

95 83.2 67.9 101.9

174 82.8 83.4 125.0#



#44

Bromodichloromethane

Concen: 2.016 ug/l

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

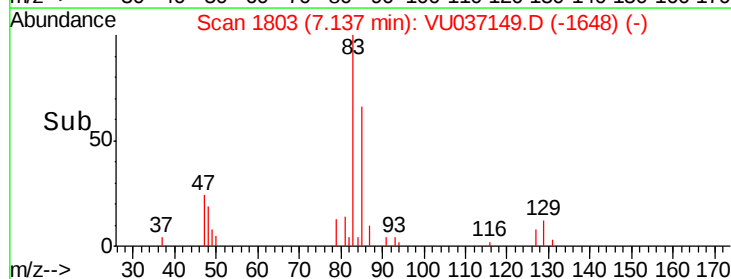
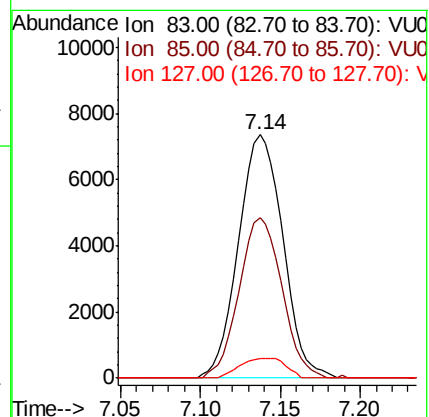
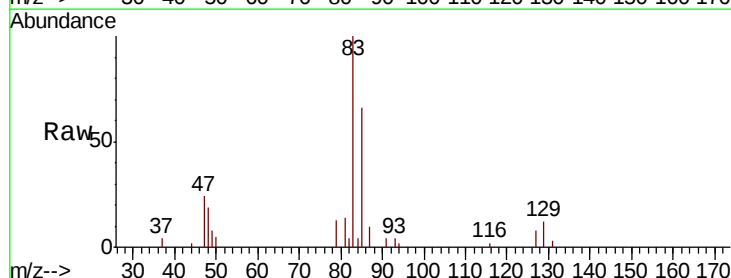
Tgt Ion: 83 Resp: 13968

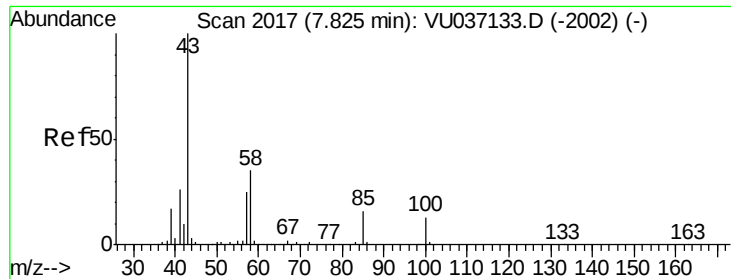
Ion Ratio Lower Upper

83 100

85 65.8 51.8 77.6

127 7.8 6.8 10.2

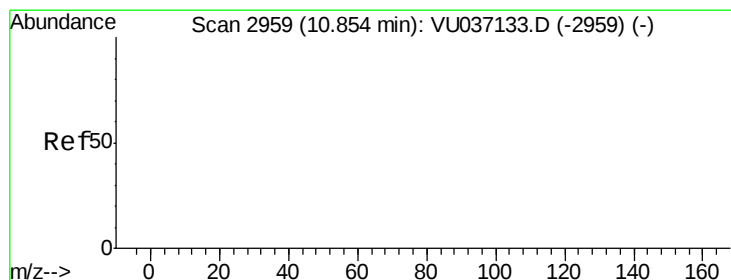
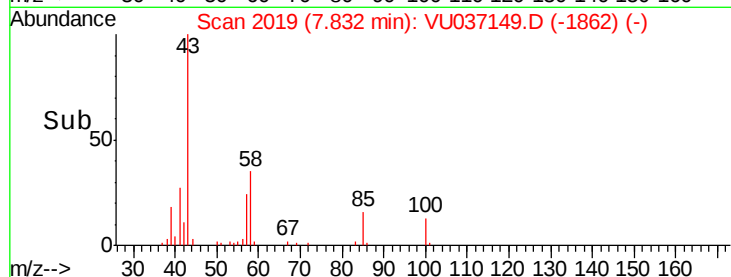
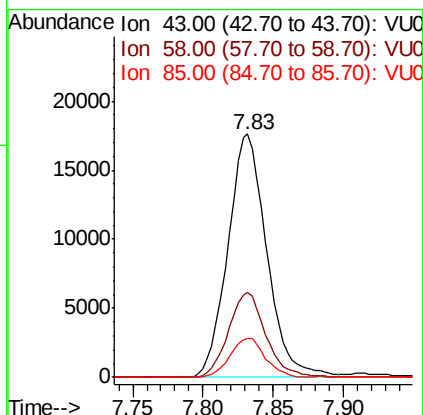
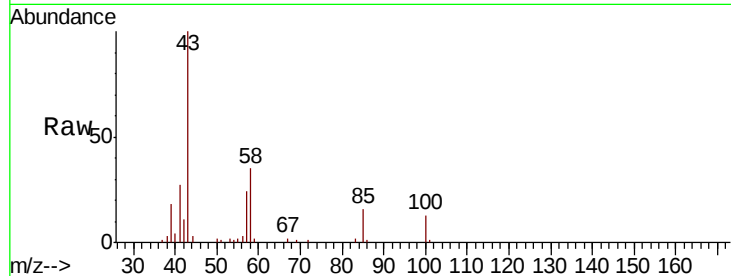




#45  
4-Methyl-2-Pentanone  
Concen: 9.515 ug/l  
RT: 7.83 min Scan# 2019  
Delta R.T. 0.01 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

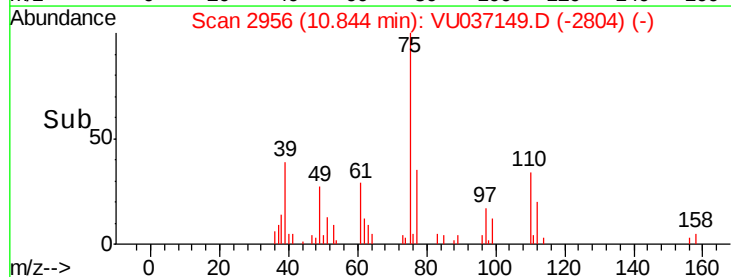
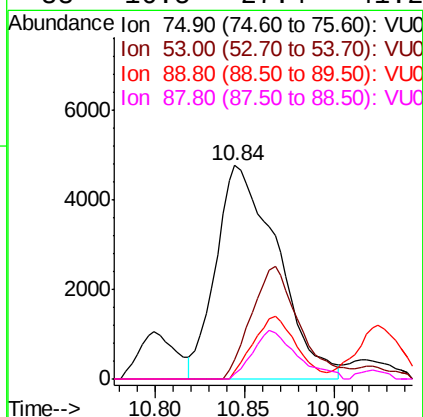
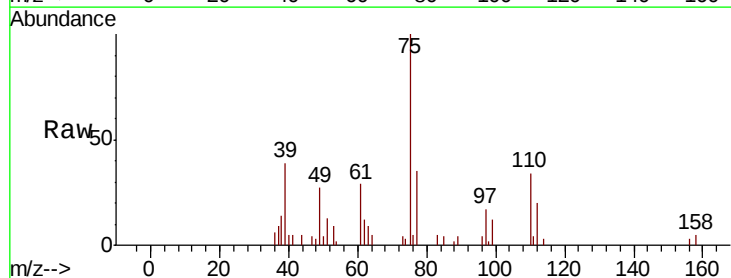
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0310WBS01

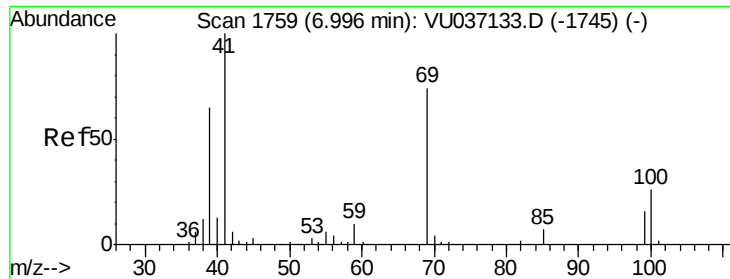
Tot Ion: 43 Resp: 33960  
Ion Ratio Lower Upper  
43 100  
58 33.5 22.1 66.1  
85 14.6 17.4 26.0#



#46  
t-1,4-Dichloro-2-butene  
Concen: 11.718 ug/l  
RT: 10.84 min Scan# 2956  
Delta R.T. -0.01 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Tgt Ion: 75 Resp: 11447  
Ion Ratio Lower Upper  
75 100  
53 41.0 52.2 78.2#  
89 20.7 39.8 59.6#  
88 16.5 27.4 41.2#

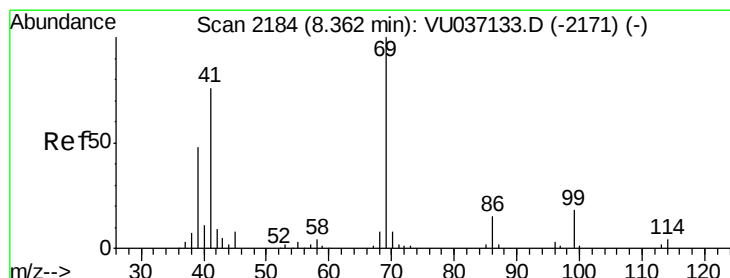
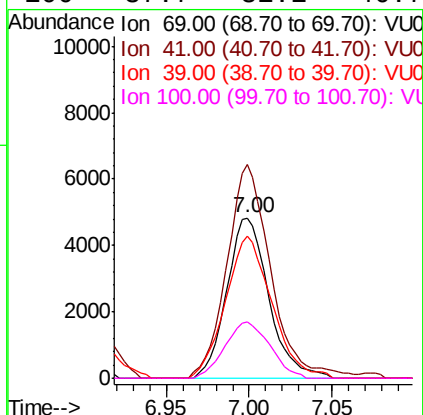
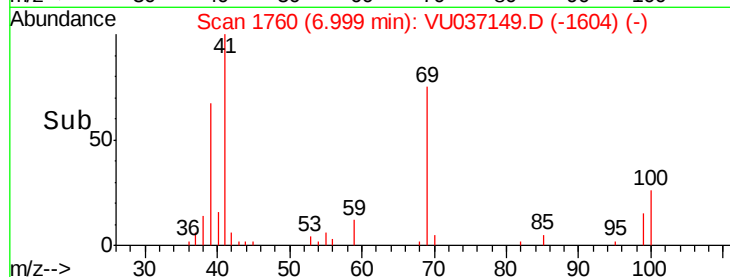
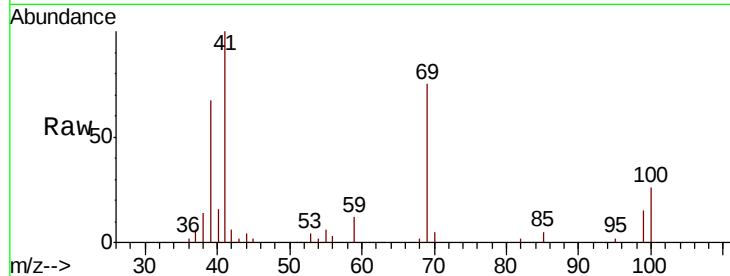




#47  
Methyl methacrylate  
Concen: 3.862 ug/l  
RT: 7.00 min Scan# 1760  
Delta R.T. 0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

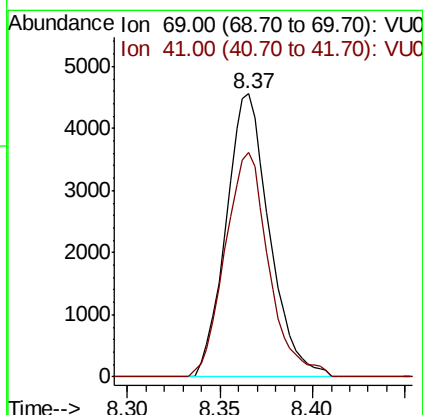
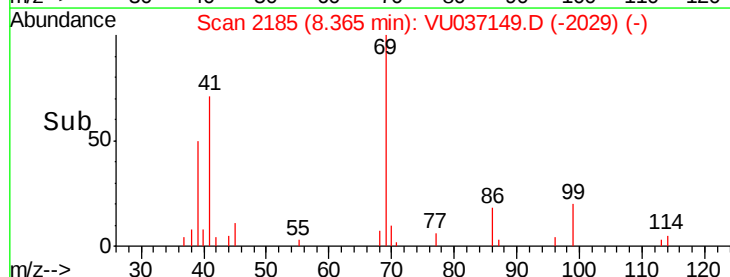
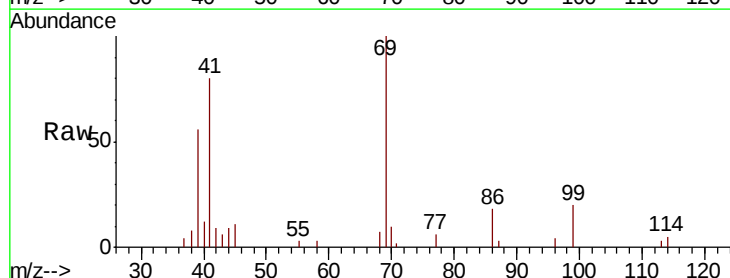
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0310WBS01

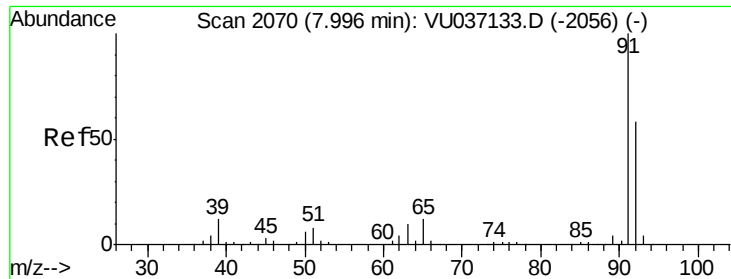
Tot Ion: 69 Resp: 8496  
Ion Ratio Lower Upper  
69 100  
41 139.4 0.0 200.8  
39 97.7 43.5 65.3#  
100 37.7 31.1 46.7



#48  
Ethyl methacrylate  
Concen: 1.705 ug/l  
RT: 8.37 min Scan# 2185  
Delta R.T. 0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Tgt Ion: 69 Resp: 7410  
Ion Ratio Lower Upper  
69 100  
41 80.3 27.9 83.6





#49

Toluene

Concen: 1.947 ug/l

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

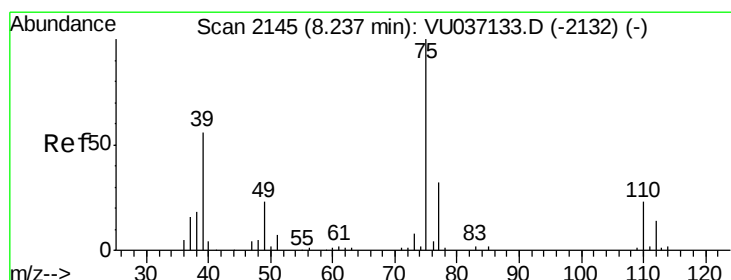
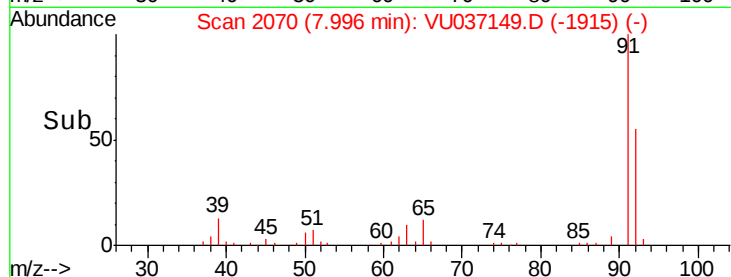
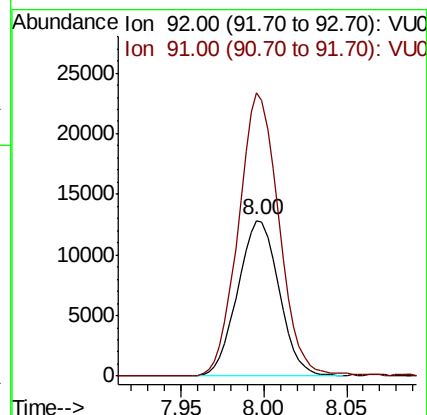
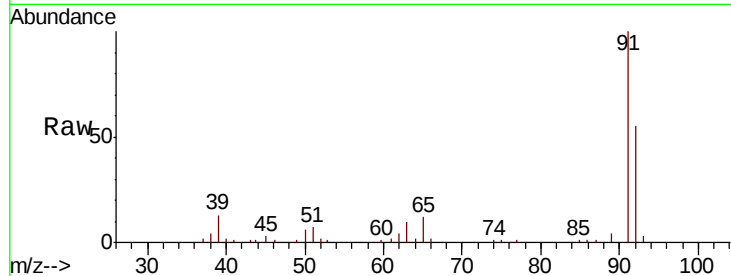
VU0310WBS01

Tot Ion: 92 Resp: 22240

Ion Ratio Lower Upper

92 100

91 178.8 139.1 208.7



#50

t-1,3-Dichloropropene

Concen: 1.826 ug/l

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU037149.D

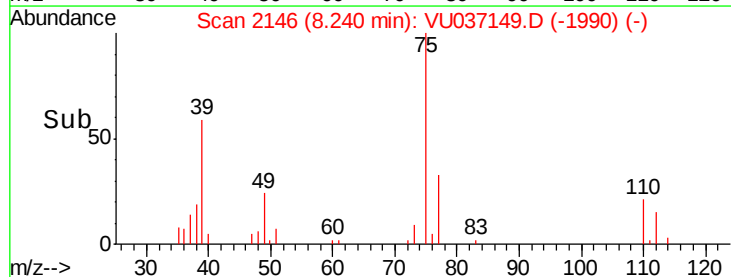
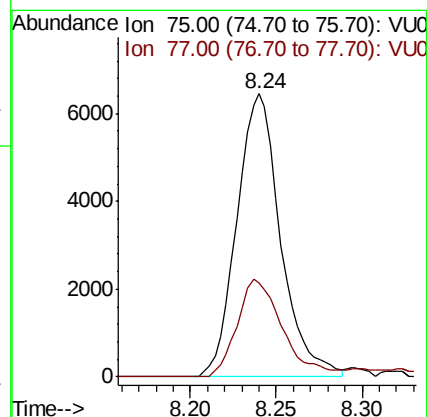
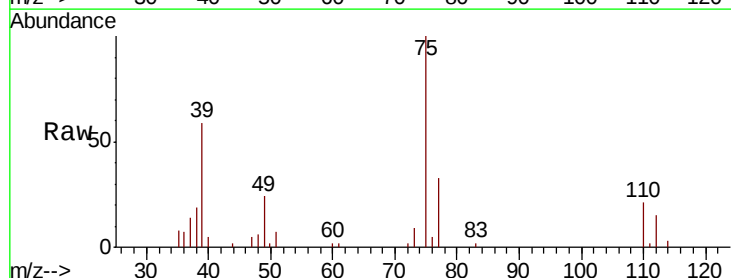
Acq: 10 Mar 2020 13:13

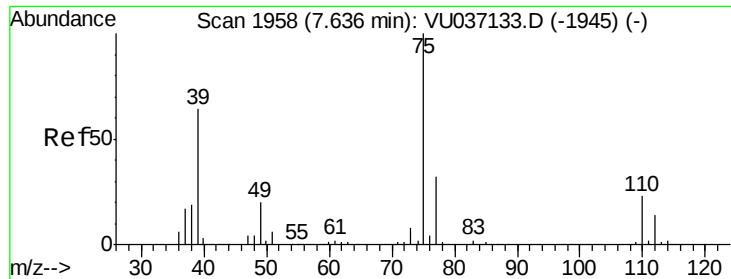
Tgt Ion: 75 Resp: 11401

Ion Ratio Lower Upper

75 100

77 33.0 25.4 38.2



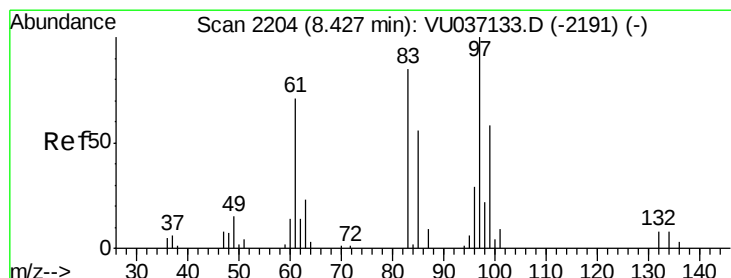
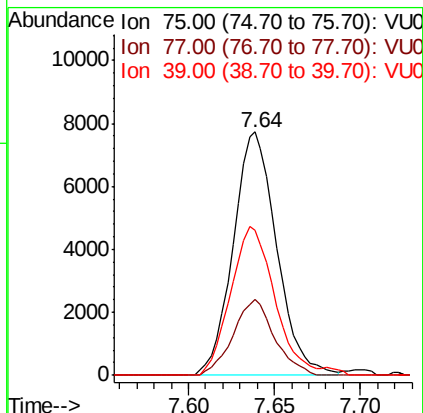
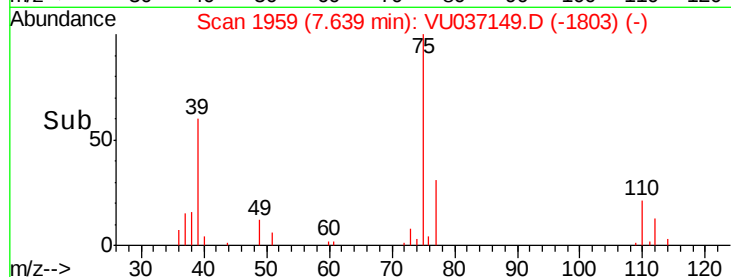
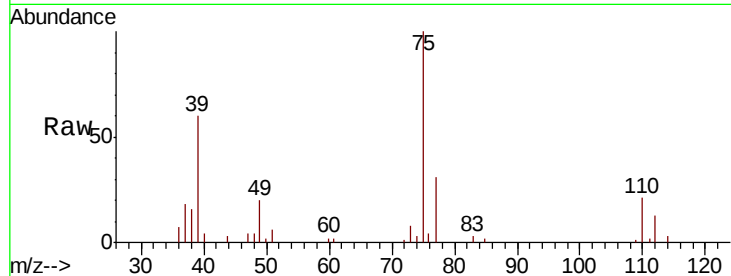


#51

cis-1,3-Dichloropropene  
 Concen: 1.911 ug/l  
 RT: 7.64 min Scan# 1959  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

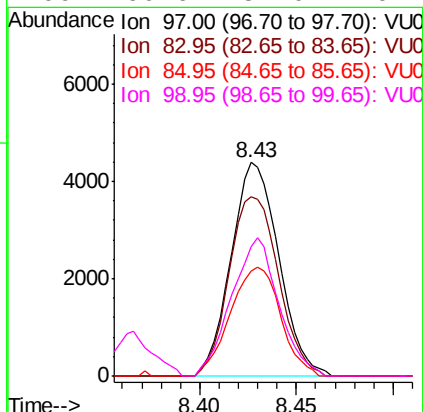
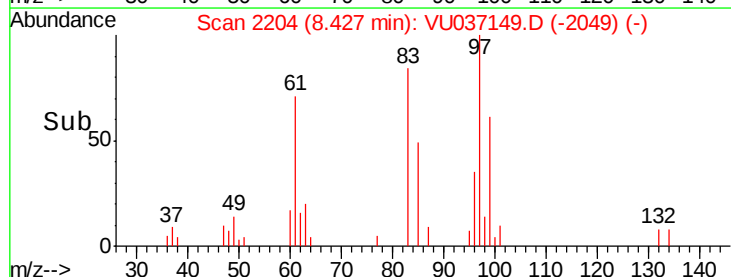
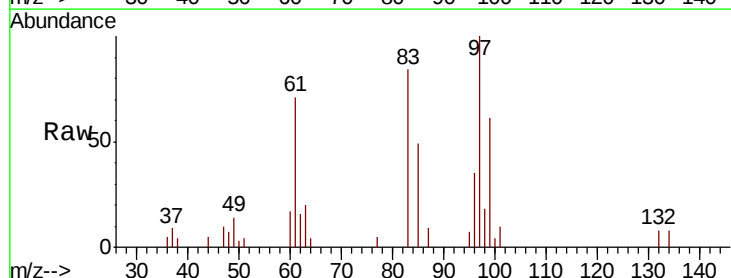
Tot Ion: 75 Resp: 13622  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.3 37.9  
 39 59.8 31.8 47.6#

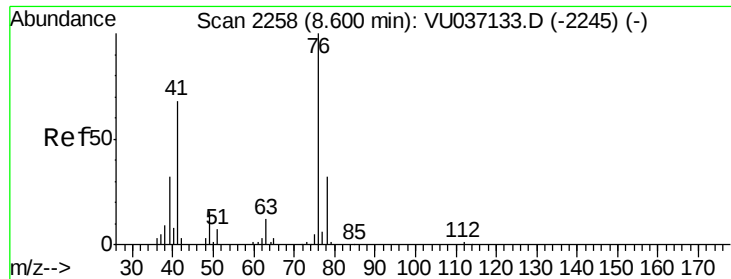


#52

1,1,2-Trichloroethane  
 Concen: 2.120 ug/l  
 RT: 8.43 min Scan# 2204  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion: 97 Resp: 7527  
 Ion Ratio Lower Upper  
 97 100  
 83 84.0 70.9 106.3  
 85 49.3 45.6 68.4  
 99 60.6 51.0 76.4





#53

1,3-Dichloropropane

Concen: 1.979 ug/l

RT: 8.60 min Scan# 2259

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

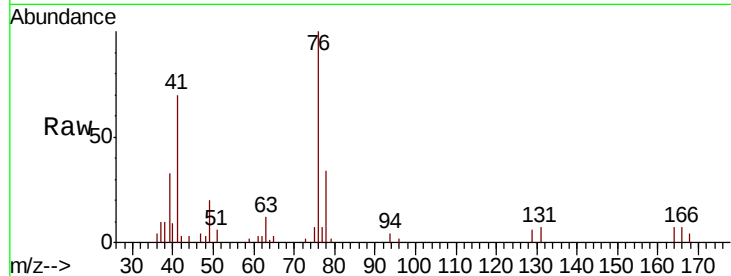
VU0310WBS01

Tot Ion: 76 Resp: 12463

Ion Ratio Lower Upper

76 100

78 34.5 25.4 38.2



Abundance Ion 76.00 (75.70 to 76.70): VU037133.D (-2245) (-)

Ion 78.00 (77.70 to 78.70): VU037133.D (-2245) (-)

8.60

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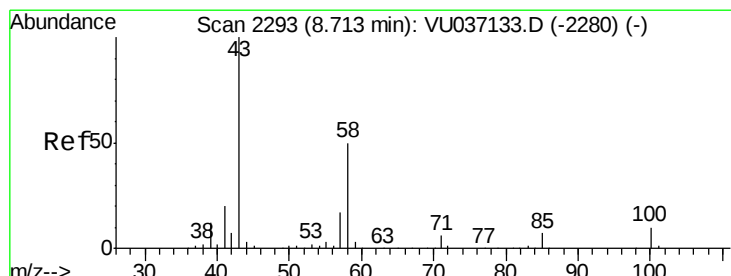
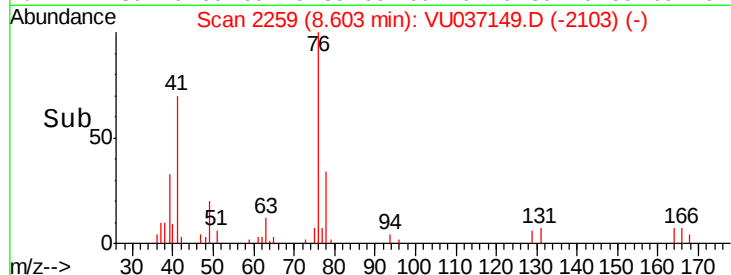
8.60

8.60

8.60

8.60

8.60



#54

2-Hexanone

Concen: 9.354 ug/l

RT: 8.72 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

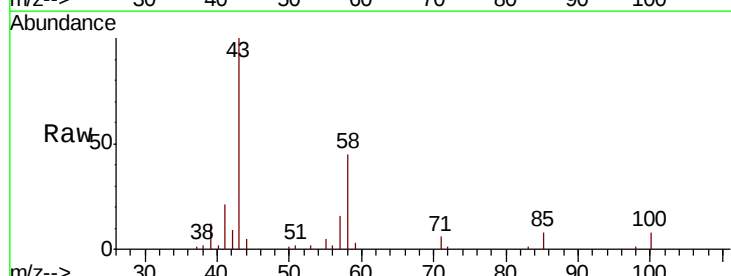
Tgt Ion: 43 Resp: 22998

Ion Ratio Lower Upper

43 100

58 44.6 40.6 80.6

57 15.7 1.2 41.2



Abundance Ion 43.00 (42.70 to 43.70): VU037133.D (-2280) (-)

Ion 58.00 (57.70 to 58.70): VU037133.D (-2280) (-)

Ion 57.00 (56.70 to 57.70): VU037133.D (-2280) (-)

8.72

8.72

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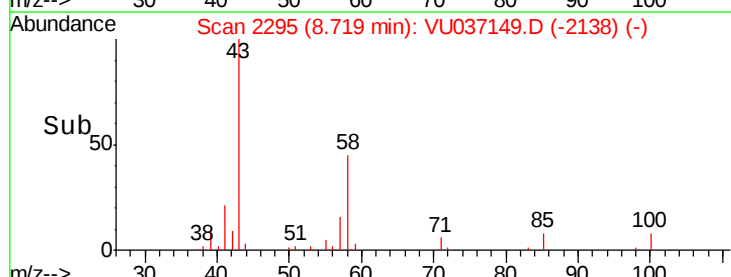
8.72

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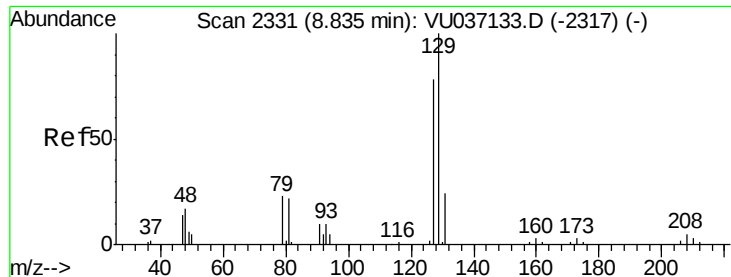
8.72

8.72

8.72

8.72

8.72



#55

Dibromochloromethane

Concen: 1.968 ug/l

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

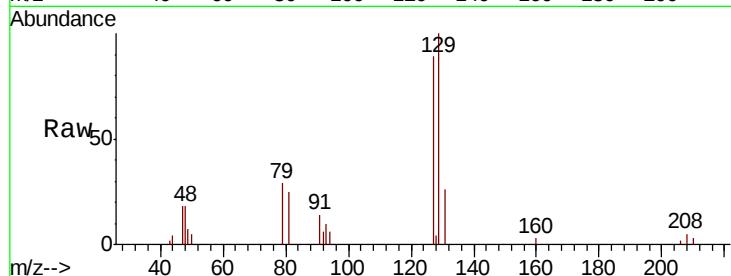
VU0310WBS01

Tot Ion:129 Resp: 8648

Ion Ratio Lower Upper

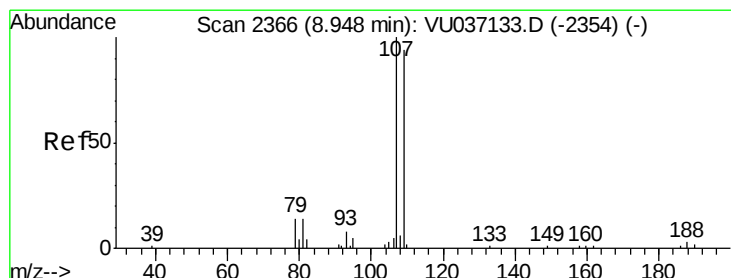
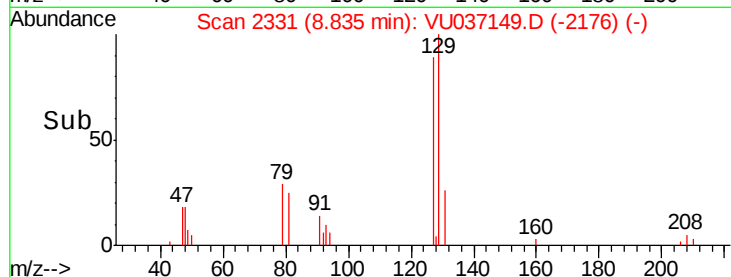
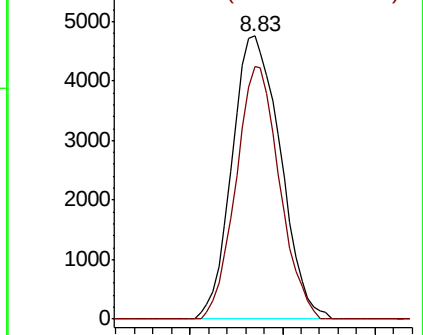
129 100

127 80.2 62.6 94.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.050 ug/l

RT: 8.95 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VU037149.D

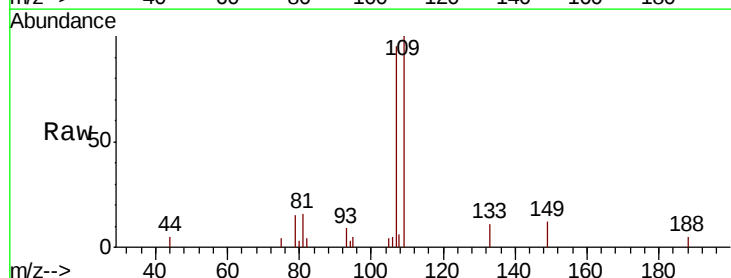
Acq: 10 Mar 2020 13:13

Tgt Ion:107 Resp: 6894

Ion Ratio Lower Upper

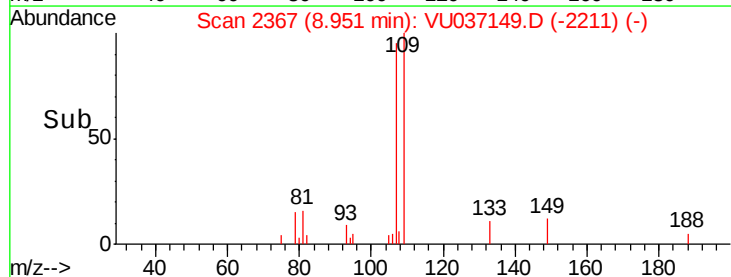
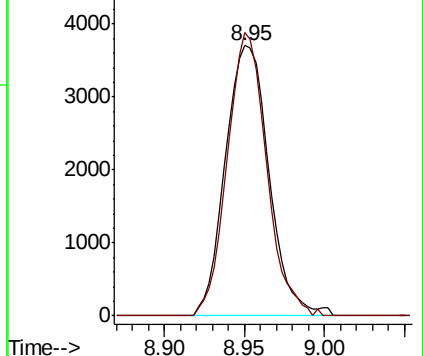
107 100

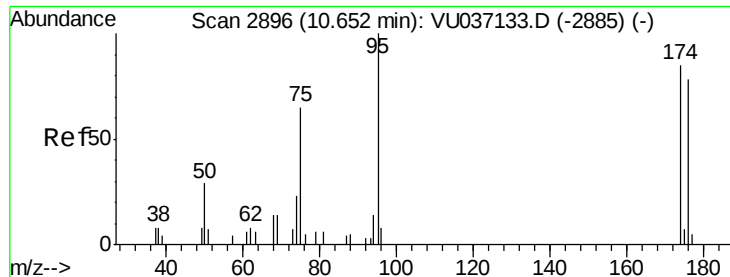
109 94.4 0.0 190.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 0.950 ug/l

RT: 10.65 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

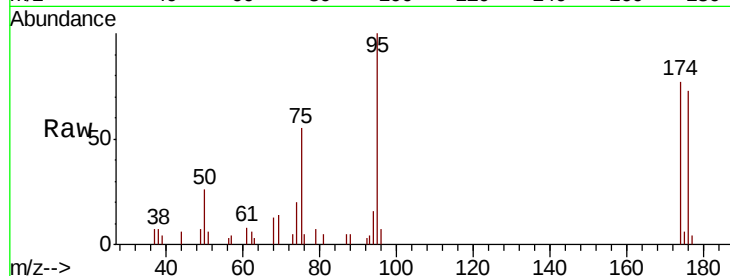
Tot Ion: 95 Resp: 5763

Ion Ratio Lower Upper

95 100

174 78.1 64.7 97.1

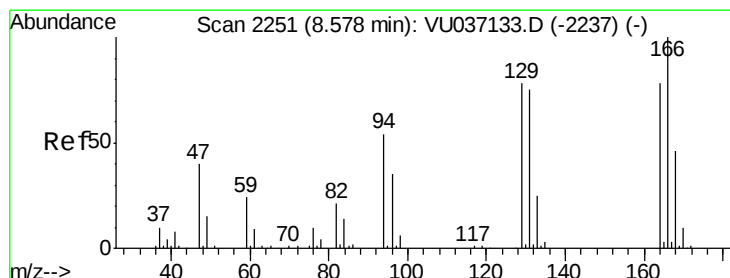
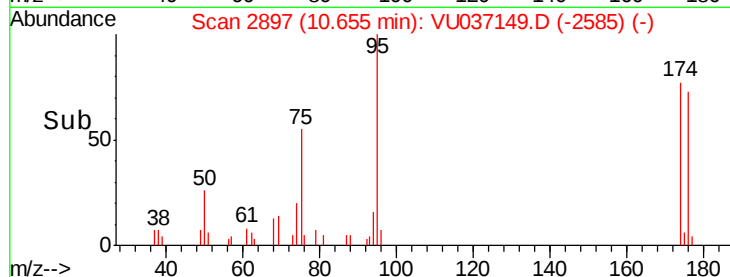
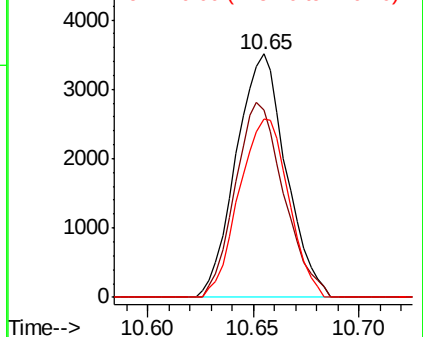
176 72.7 60.6 91.0



Abundance Ion 95.00 (94.70 to 95.70): VU037149.D (-2885) (-)

Ion 174.00 (173.70 to 174.70): VU037149.D (-2885) (-)

Ion 176.00 (175.70 to 176.70): VU037149.D (-2885) (-)



#58

Tetrachloroethene

Concen: 2.082 ug/l

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Tgt Ion: 164 Resp: 9698

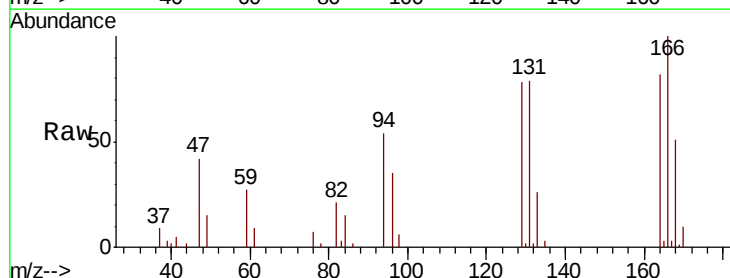
Ion Ratio Lower Upper

164 100

166 121.8 102.0 153.0

129 95.3 74.9 112.3

131 95.6 72.6 108.8

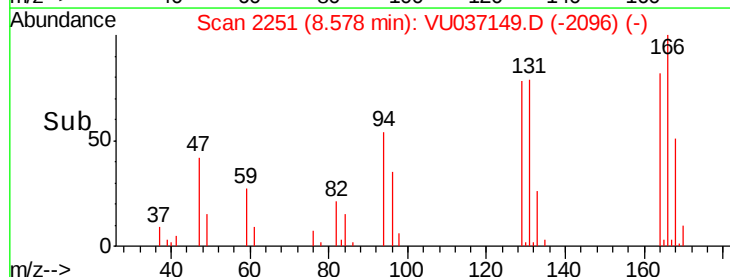
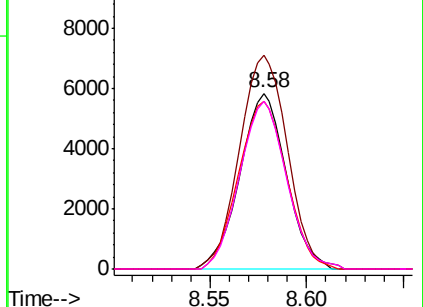


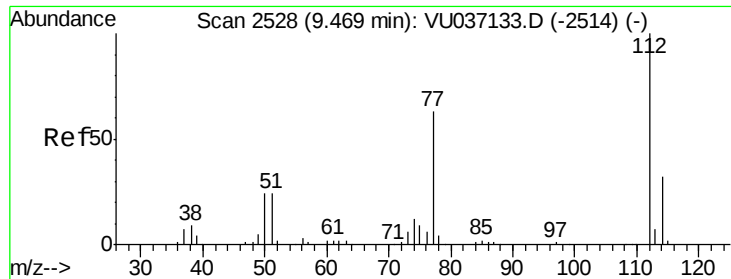
Abundance Ion 163.85 (163.55 to 164.55): VU037149.D (-2096) (-)

Ion 165.80 (165.50 to 166.50): VU037149.D (-2096) (-)

Ion 128.90 (128.60 to 129.60): VU037149.D (-2096) (-)

Ion 130.90 (130.60 to 131.60): VU037149.D (-2096) (-)





#59

Chlorobenzene

Concen: 1.954 ug/l

RT: 9.47 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

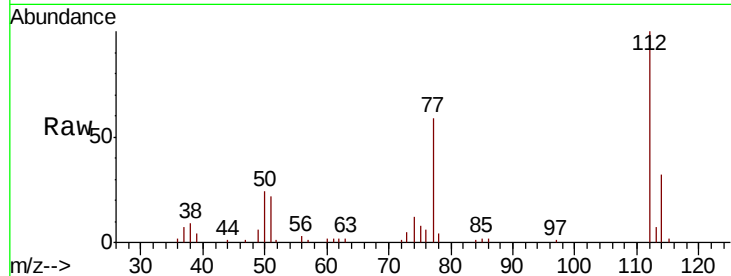
VU0310WBS01

Tot Ion:112 Resp: 24919

Ion Ratio Lower Upper

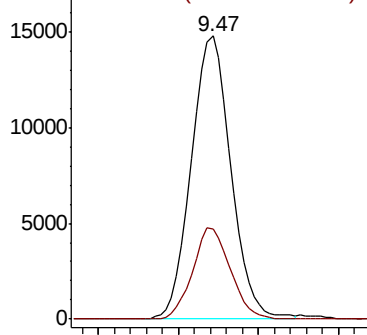
112 100

114 31.8 25.8 38.8

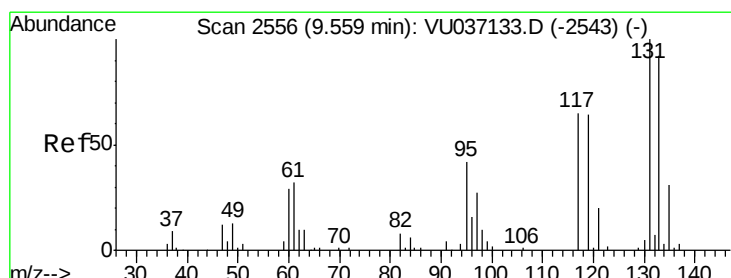
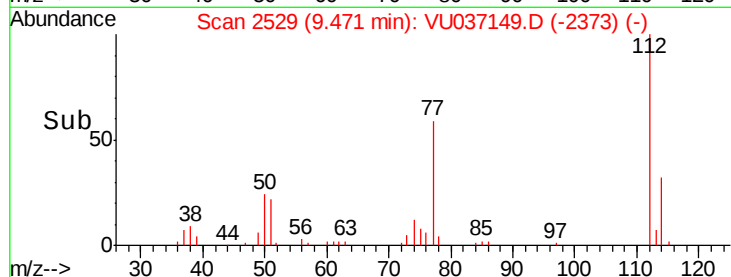


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 1.918 ug/l

RT: 9.56 min Scan# 2556

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

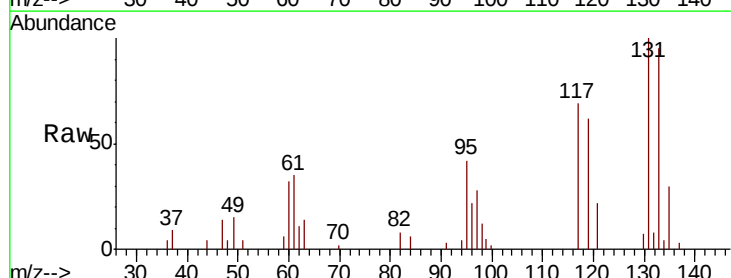
Tgt Ion:131 Resp: 8952

Ion Ratio Lower Upper

131 100

133 98.5 76.4 114.6

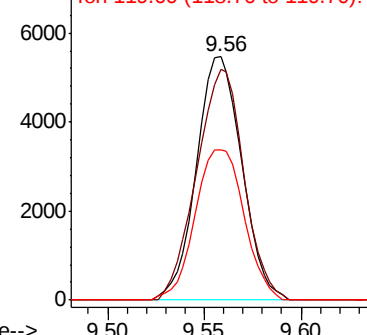
119 66.5 56.6 85.0



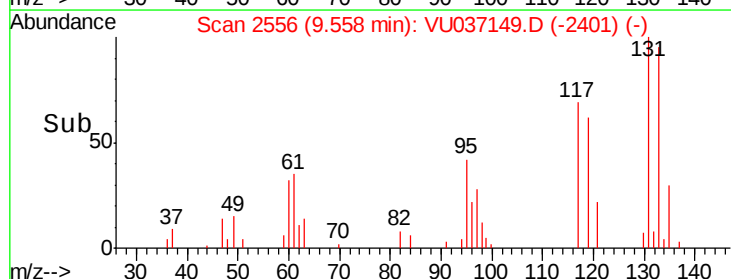
Abundance Ion 131.00 (130.70 to 131.70): V

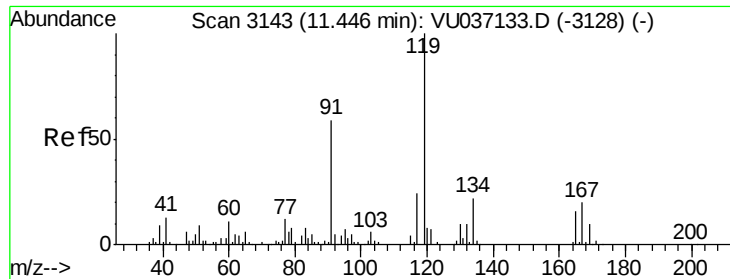
Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->

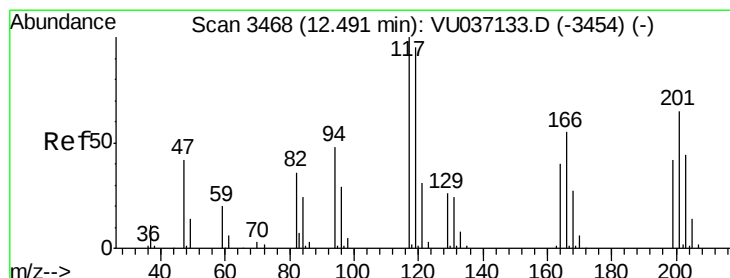
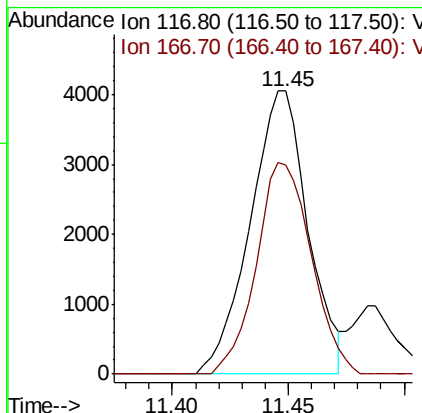
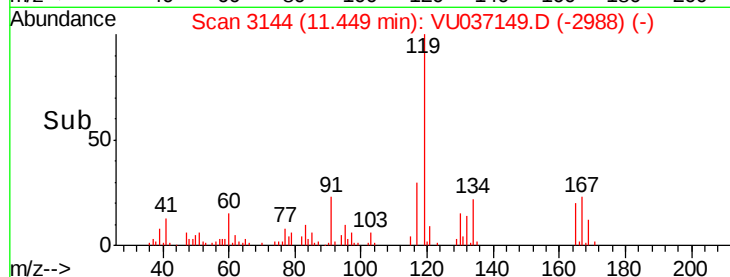
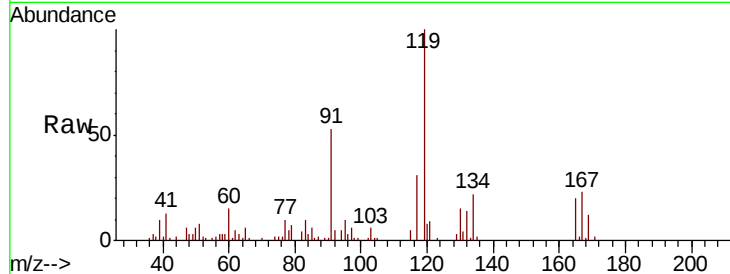




#61  
 Pentachloroethane  
 Concen: 1.968 ug/l  
 RT: 11.45 min Scan# 3144  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

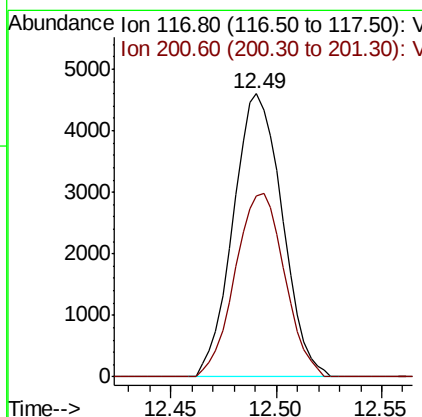
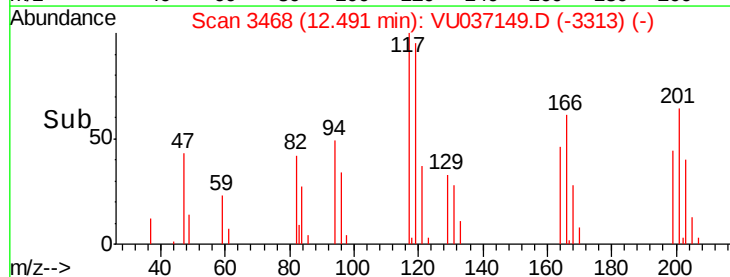
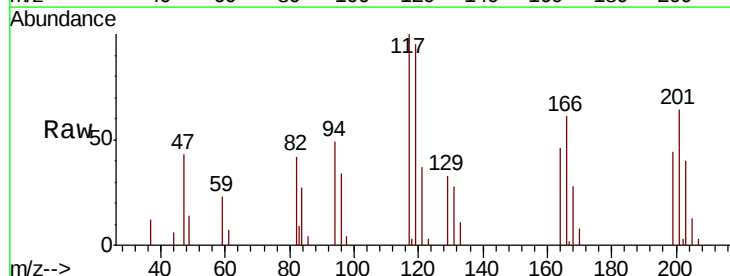
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

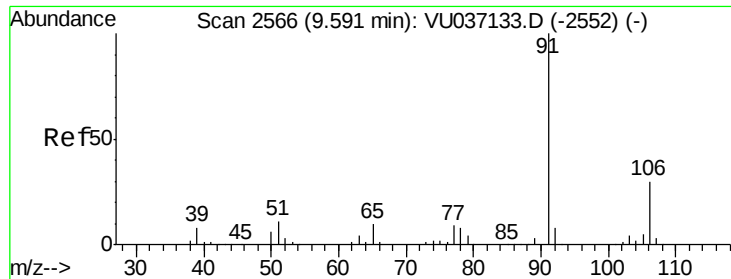
Tot Ion:117 Resp: 7007  
 Ion Ratio Lower Upper  
 117 100  
 167 71.4 66.7 100.1



#62  
 Hexachloroethane  
 Concen: 1.955 ug/l  
 RT: 12.49 min Scan# 3468  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion:117 Resp: 7451  
 Ion Ratio Lower Upper  
 117 100  
 201 65.2 65.0 97.4

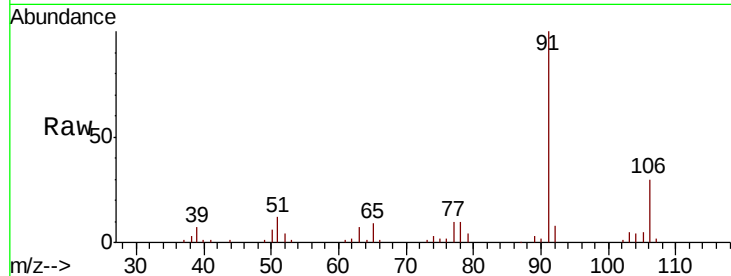




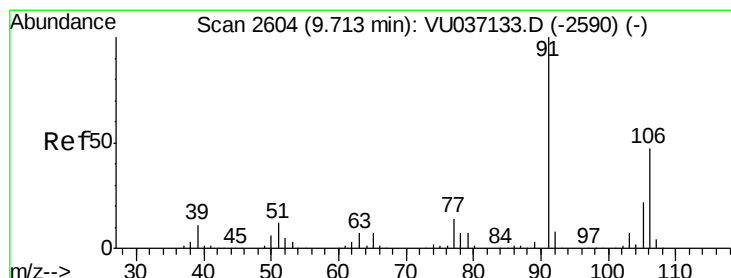
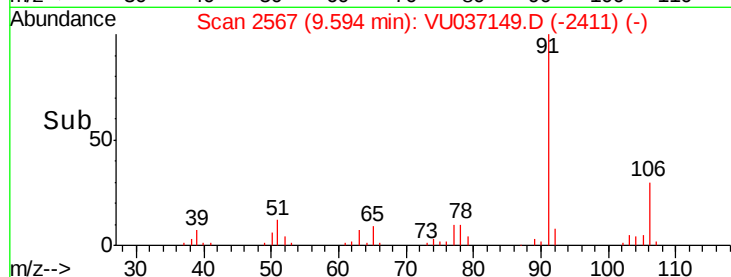
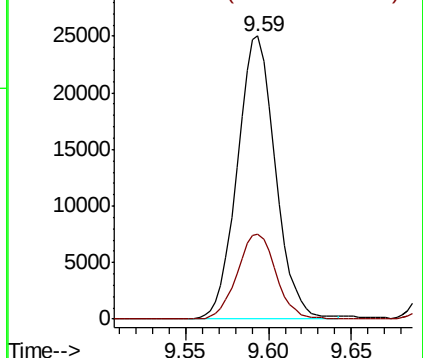
#63  
Ethyl Benzene  
Concen: 1.832 ug/l  
RT: 9.59 min Scan# 2567  
Delta R.T. 0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0310WBS01

Tot Ion: 91 Resp: 39880  
Ion Ratio Lower Upper  
91 100  
106 30.1 26.0 39.0

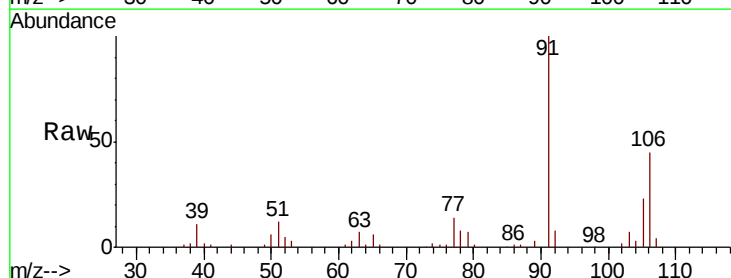


Abundance Ion 91.00 (90.70 to 91.70): VU037133.D (-2552) (-)  
Ion 106.00 (105.70 to 106.70): VU037133.D (-2552) (-)

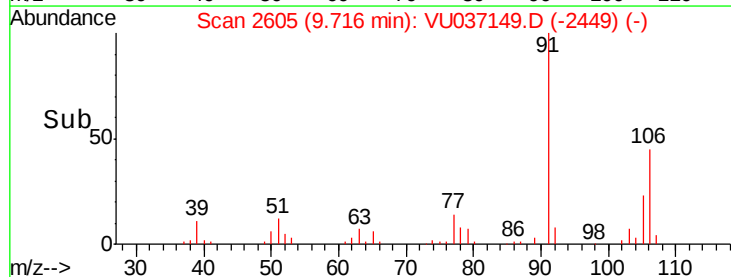
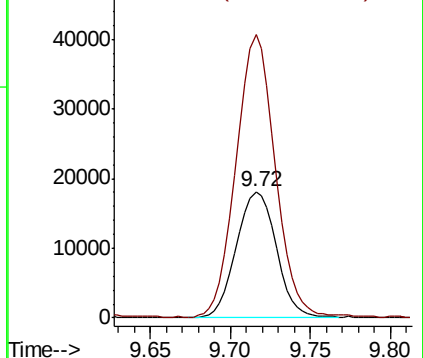


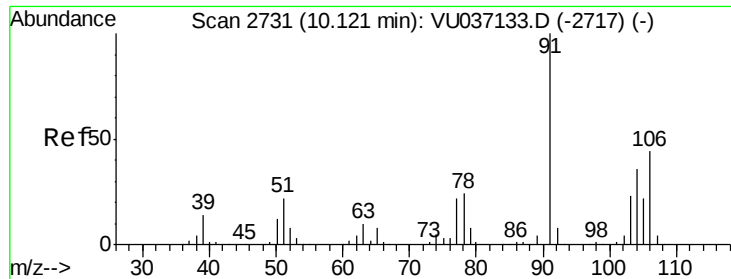
#64  
m/p-Xylenes  
Concen: 3.754 ug/l  
RT: 9.72 min Scan# 2605  
Delta R.T. 0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Tgt Ion: 106 Resp: 30933  
Ion Ratio Lower Upper  
106 100  
91 220.8 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VU037133.D (-2590) (-)  
Ion 91.00 (90.70 to 91.70): VU037133.D (-2590) (-)

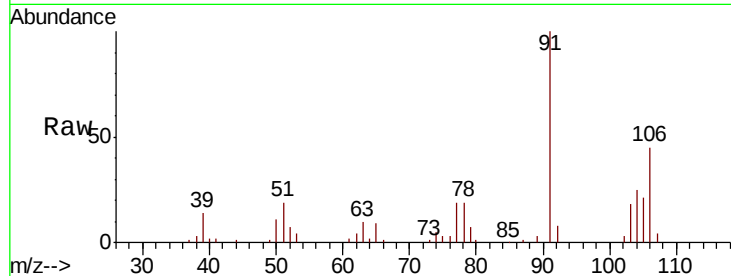




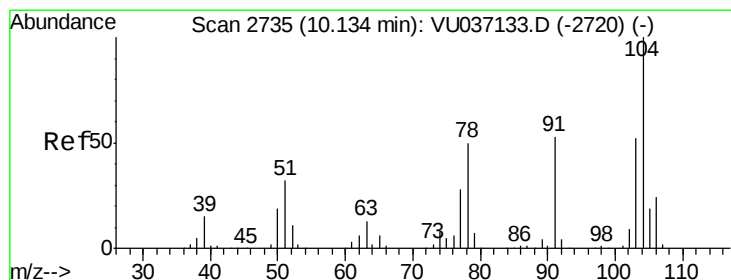
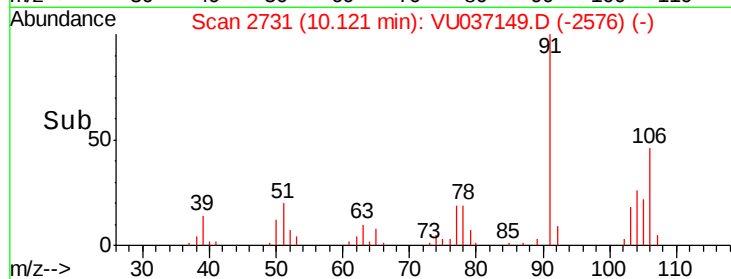
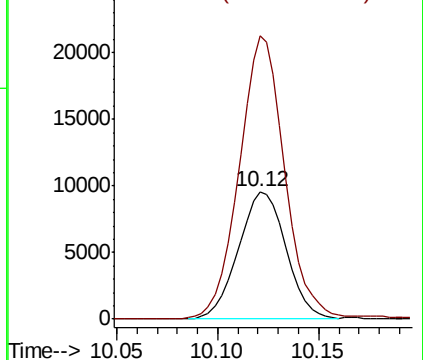
#65  
o-Xylene  
Concen: 1.992 ug/l  
RT: 10.12 min Scan# 2731  
Delta R.T. -0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0310WBS01

Tot Ion:106 Resp: 15839  
Ion Ratio Lower Upper  
106 100  
91 213.7 104.3 312.9

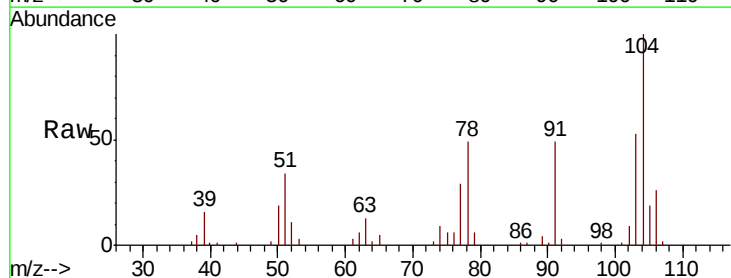


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

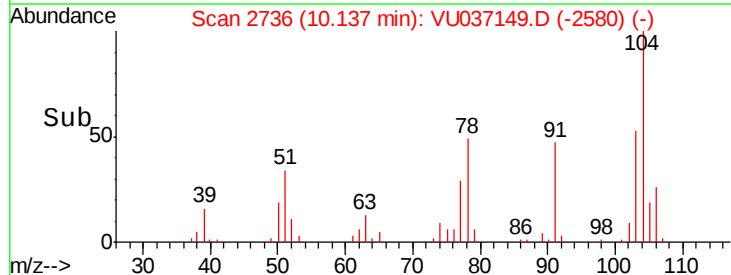
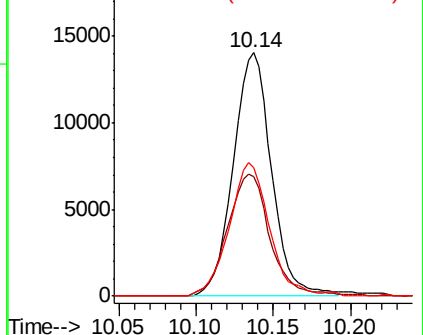


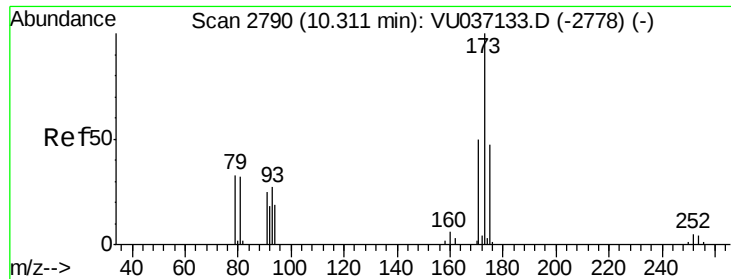
#66  
Styrene  
Concen: 1.854 ug/l  
RT: 10.14 min Scan# 2736  
Delta R.T. 0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Tgt Ion:104 Resp: 24122  
Ion Ratio Lower Upper  
104 100  
78 55.7 38.6 57.8  
103 57.0 44.4 66.6



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

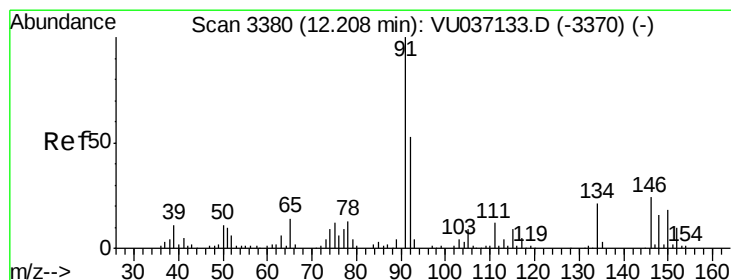
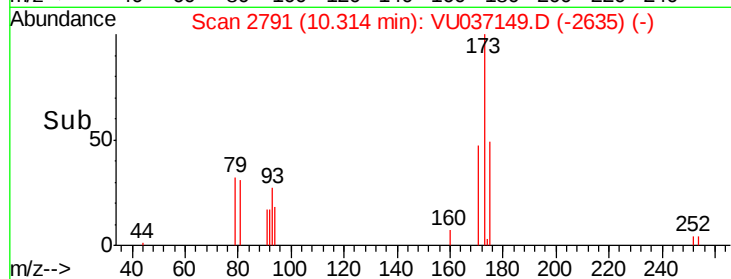
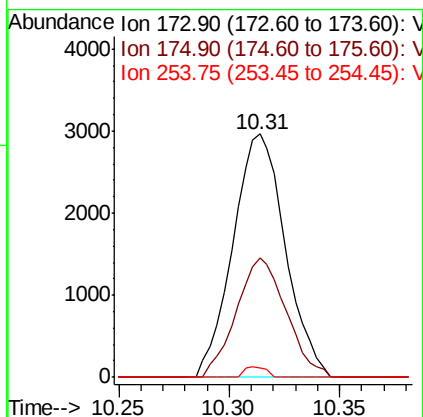
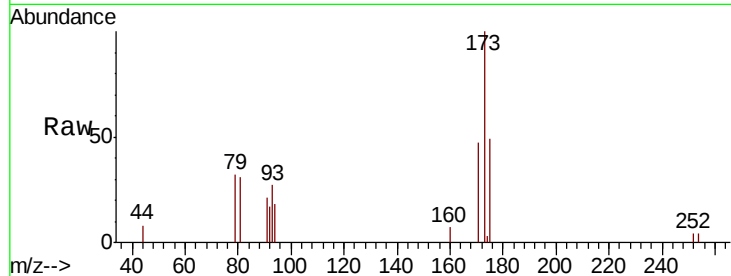




#67  
Bromoform  
Concen: 2.099 ug/l  
RT: 10.31 min Scan# 2791  
Delta R.T. 0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

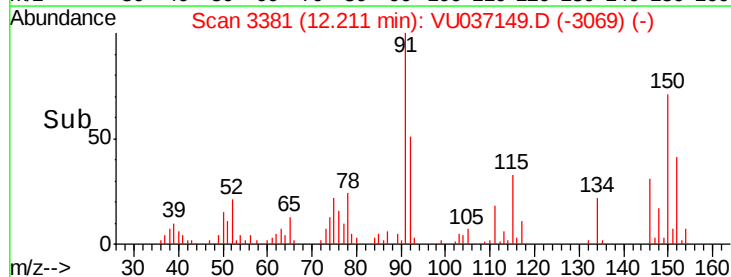
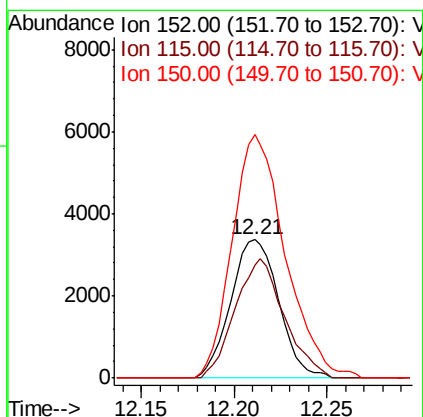
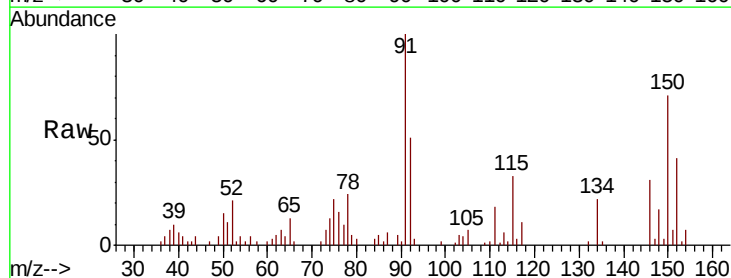
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0310WBS01

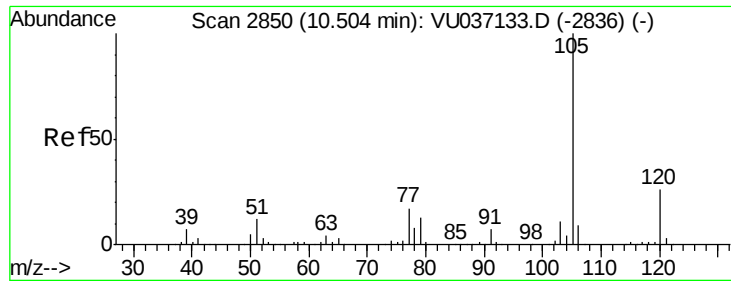
Tot Ion:173 Resp: 4869  
Ion Ratio Lower Upper  
173 100  
175 46.6 38.3 57.5  
254 1.8 6.6 9.8#



#68  
1,2-Dichlorobenzene-d4  
Concen: 0.979 ug/l  
RT: 12.21 min Scan# 3381  
Delta R.T. 0.00 min  
Lab File: VU037149.D  
Acq: 10 Mar 2020 13:13

Tgt Ion:152 Resp: 6057  
Ion Ratio Lower Upper  
152 100  
115 88.1 0.0 241.8  
150 194.9 0.0 652.4





#69

Isopropylbenzene

Concen: 1.906 ug/l

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

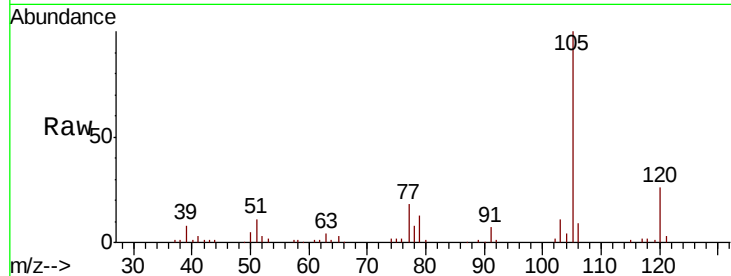
VU0310WBS01

Tot Ion:105 Resp: 41302

Ion Ratio Lower Upper

105 100

120 26.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.50

25000

20000

15000

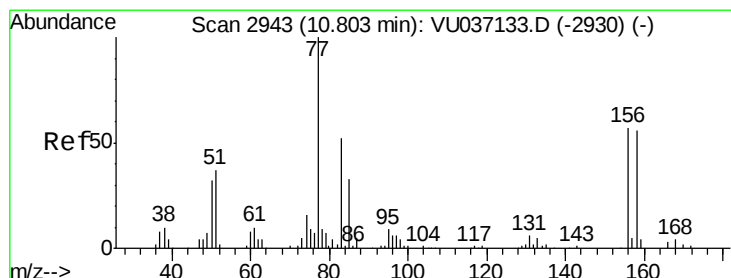
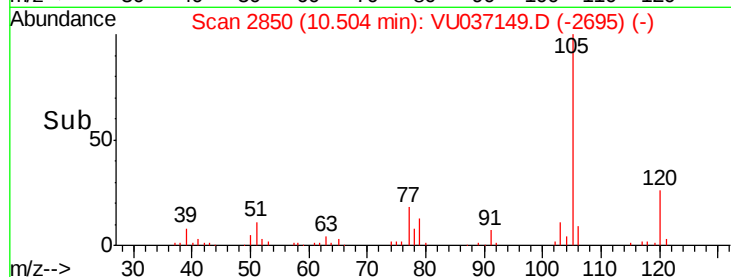
10000

5000

0

Time-->

10.45 10.50 10.55



#70

1,1,2,2-Tetrachloroethane

Concen: 1.994 ug/l

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

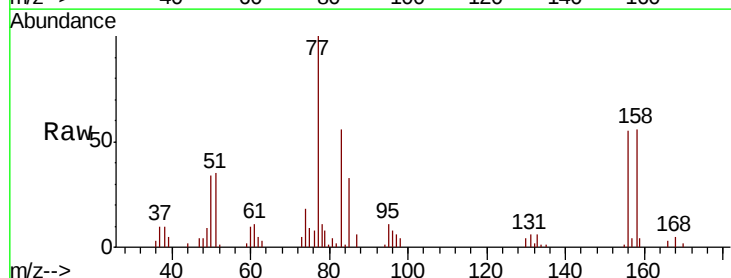
Tgt Ion: 83 Resp: 9311

Ion Ratio Lower Upper

83 100

131 9.6 7.8 11.8

85 62.0 53.2 79.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

8000

6000

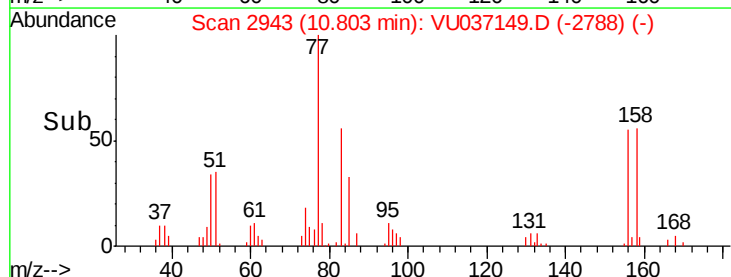
4000

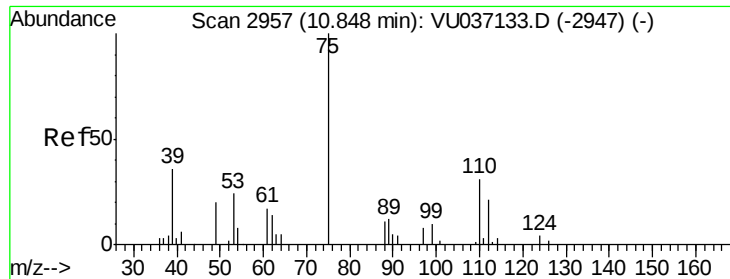
2000

0

Time-->

10.75 10.80 10.85

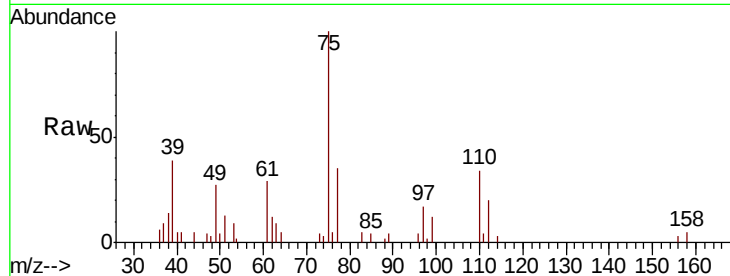




#71  
 1,2,3-Trichloropropane  
 Concen: 2.998 ug/l  
 RT: 10.84 min Scan# 2956  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 11447 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 30.9  | 0.0   | 129.6 |
| 110      | 21.3  | 0.0   | 77.4  |
| 97       | 11.4  | 0.0   | 42.0  |



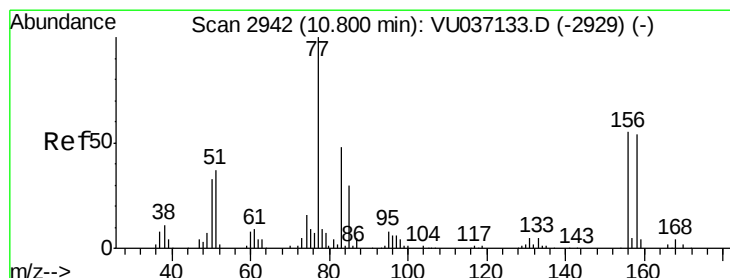
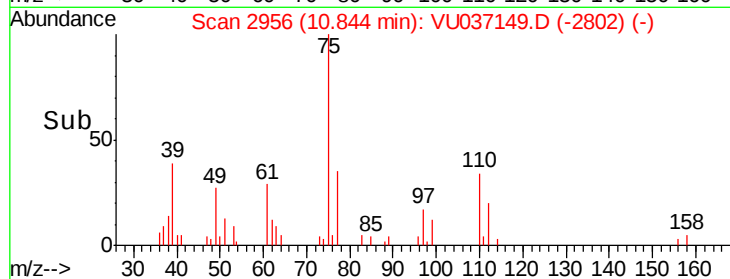
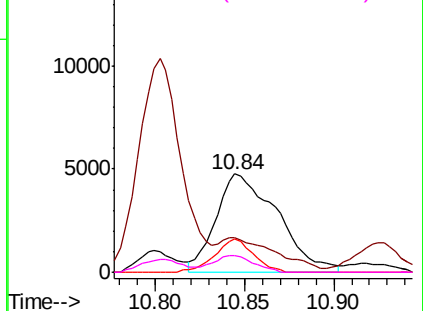
Abundance

Ion 75.00 (74.70 to 75.70): VU037133.D (-2947) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-2947) (-)

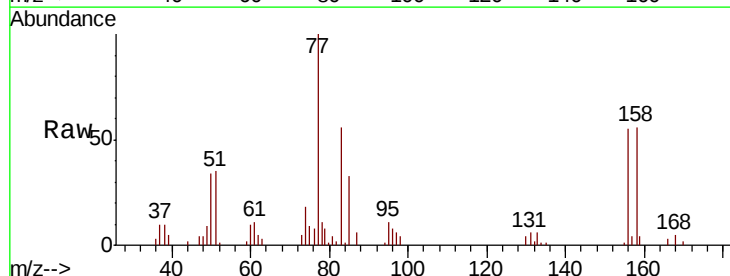
Ion 110.00 (109.70 to 110.70): VU037133.D (-2947) (-)

Ion 97.00 (96.70 to 97.70): VU037133.D (-2947) (-)



#72  
 Bromobenzene  
 Concen: 1.884 ug/l  
 RT: 10.80 min Scan# 2943  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 9877  |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 175.6 | 0.0   | 306.6 |
| 158      | 101.6 | 0.0   | 192.0 |

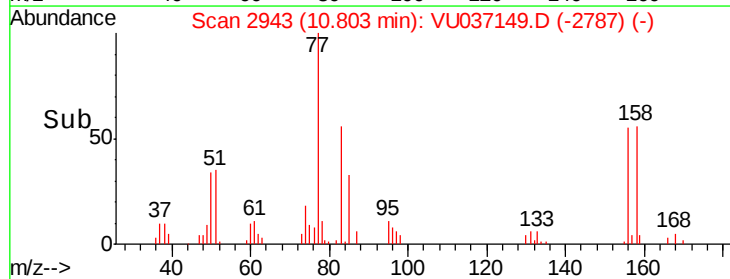
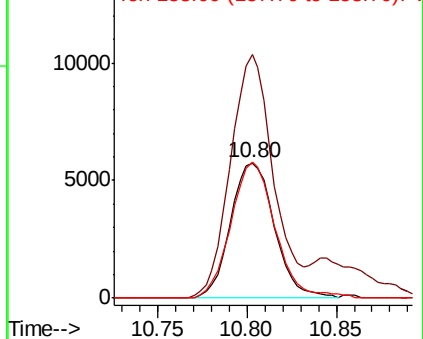


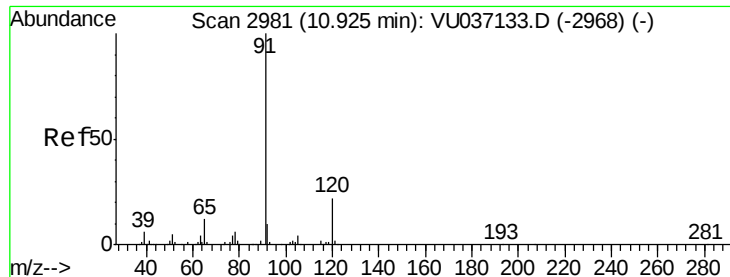
Abundance

Ion 156.00 (155.70 to 156.70): VU037133.D (-2929) (-)

Ion 77.00 (76.70 to 77.70): VU037133.D (-2929) (-)

Ion 158.00 (157.70 to 158.70): VU037133.D (-2929) (-)





#73

n-propylbenzene

Concen: 1.907 ug/l

RT: 10.92 min Scan# 2981

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

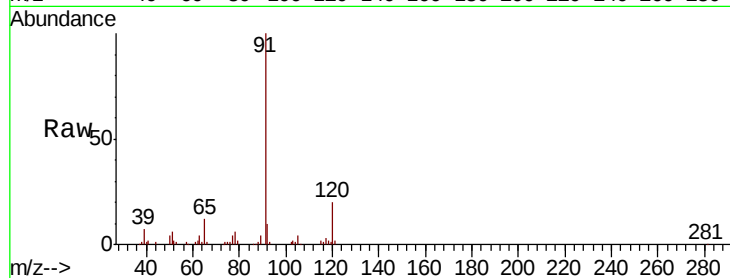
VU0310WBS01

Tot Ion:120 Resp: 10952

Ion Ratio Lower Upper

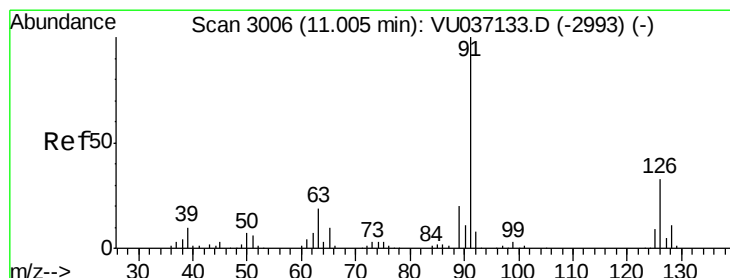
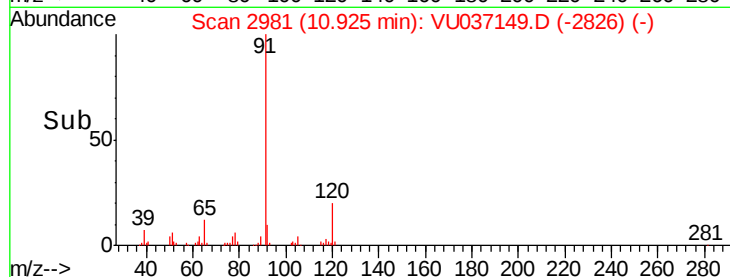
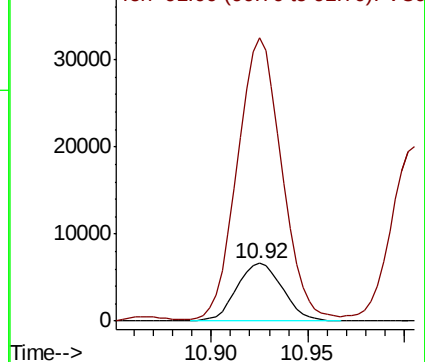
120 100

91 467.8 329.5 494.3



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.969 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037149.D

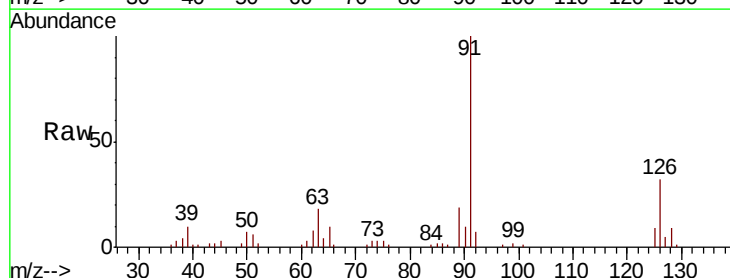
Acq: 10 Mar 2020 13:13

Tgt Ion:126 Resp: 10238

Ion Ratio Lower Upper

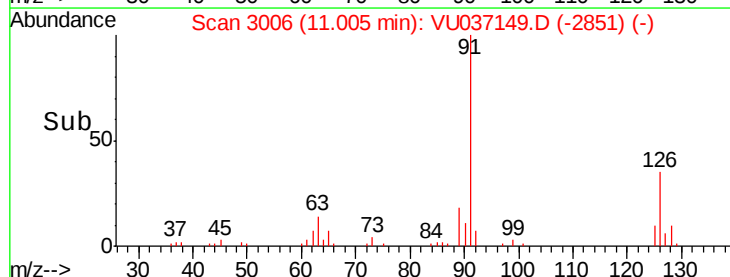
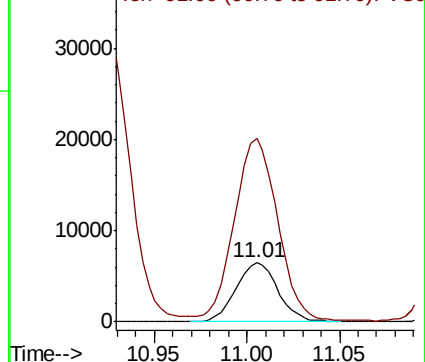
126 100

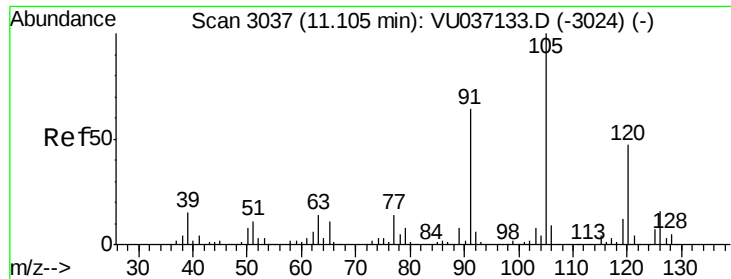
91 315.7 0.0 567.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.898 ug/l

RT: 11.10 min Scan# 3037

Delta R.T. -0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

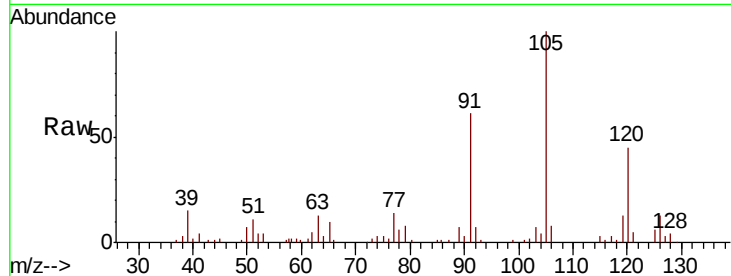
VU0310WBS01

Tot Ion:105 Resp: 35613

Ion Ratio Lower Upper

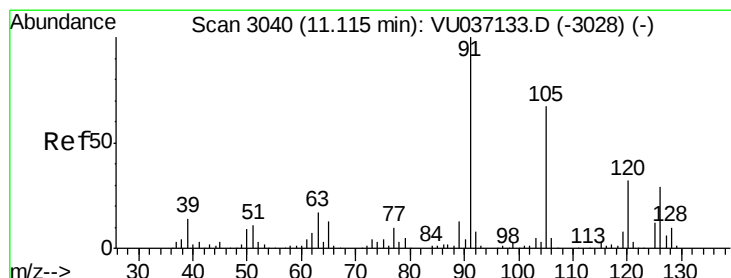
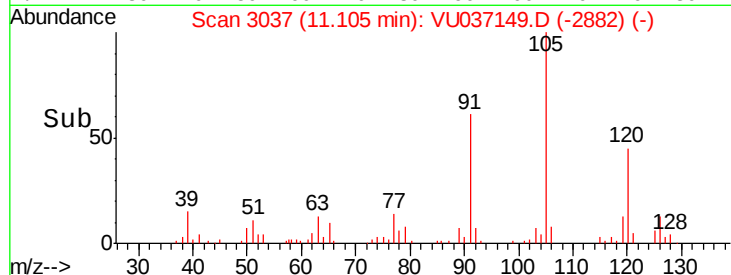
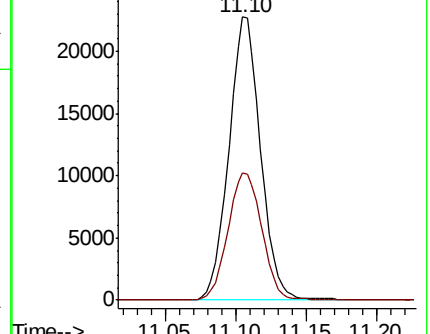
105 100

120 47.8 39.8 59.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.945 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU037149.D

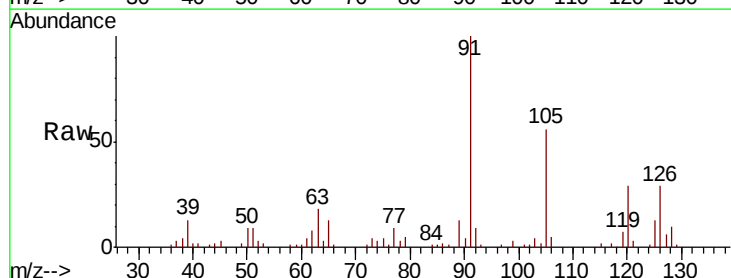
Acq: 10 Mar 2020 13:13

Tgt Ion:126 Resp: 10182

Ion Ratio Lower Upper

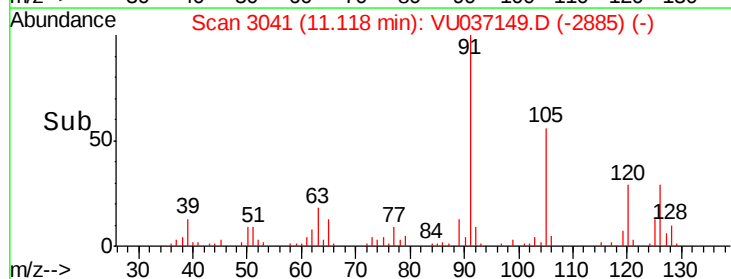
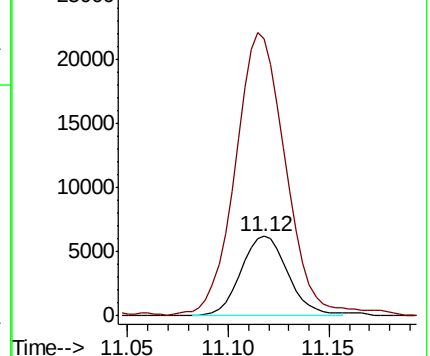
126 100

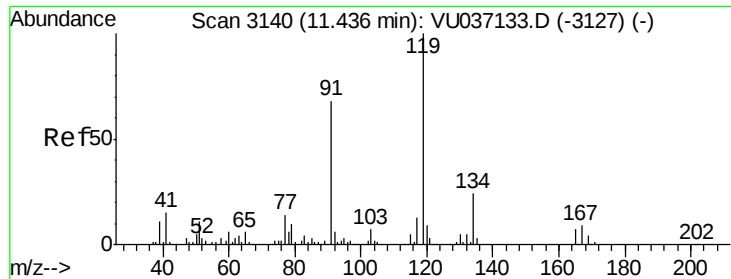
91 382.0 0.0 633.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.889 ug/l

RT: 11.44 min Scan# 3141

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

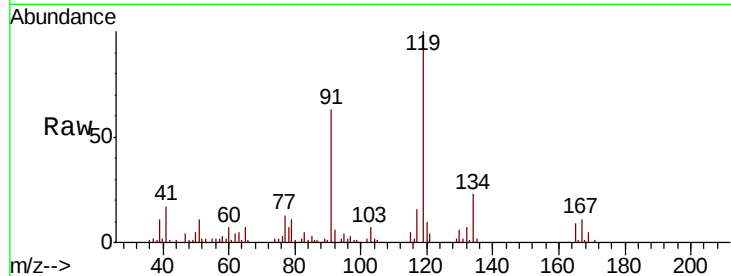
Tot Ion:119 Resp: 34557

Ion Ratio Lower Upper

119 100

91 61.6 29.3 87.8

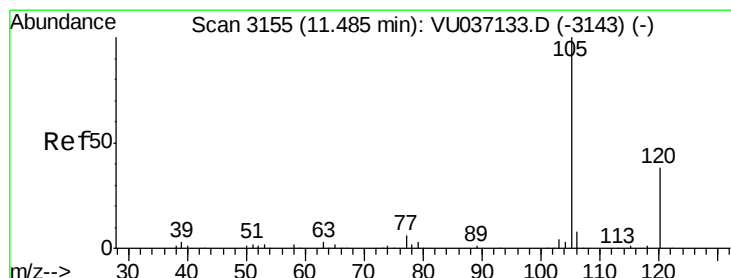
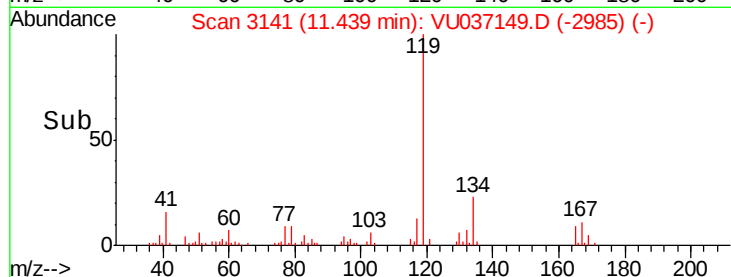
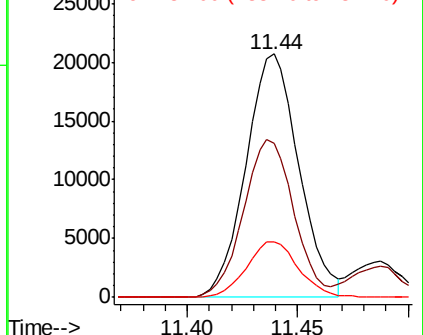
134 22.5 19.0 28.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 1.950 ug/l

RT: 11.48 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VU037149.D

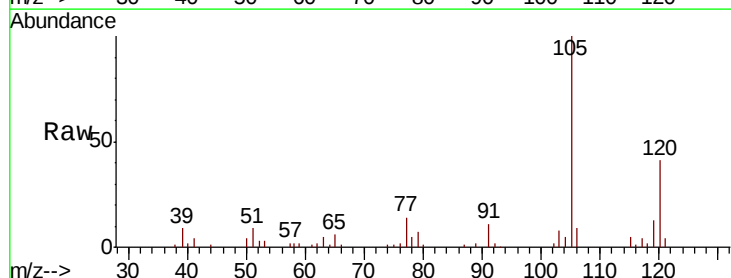
Acq: 10 Mar 2020 13:13

Tgt Ion:105 Resp: 36928

Ion Ratio Lower Upper

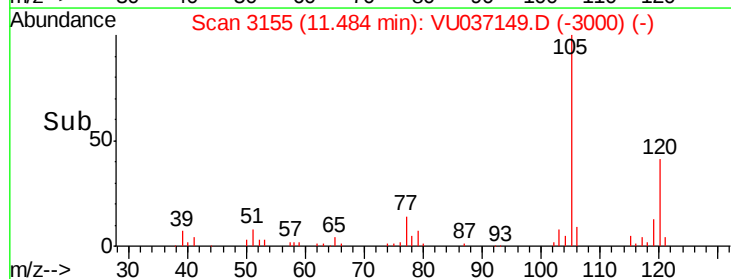
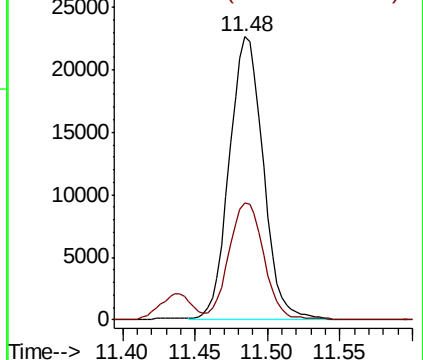
105 100

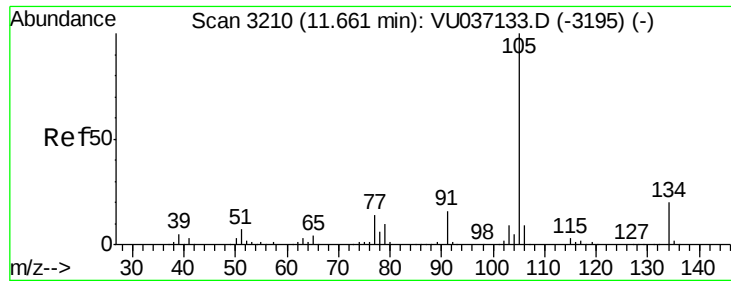
120 42.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

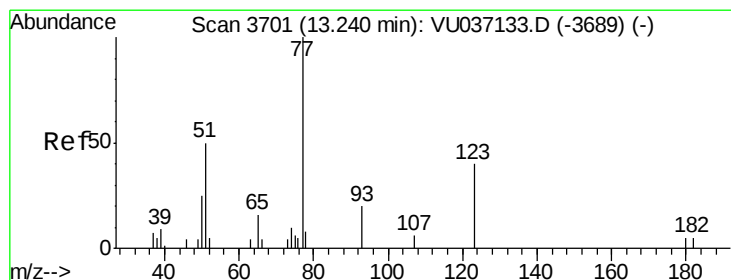
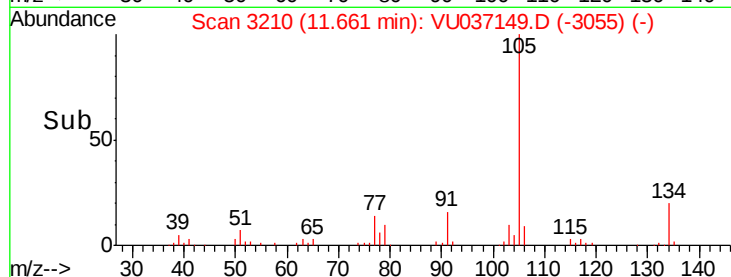
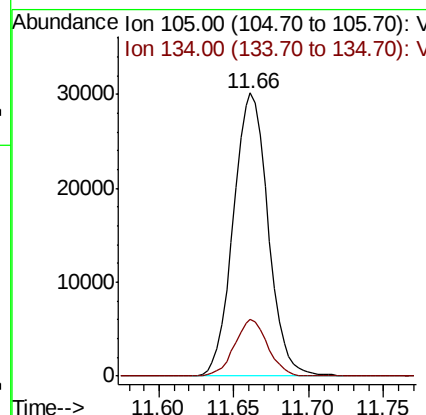
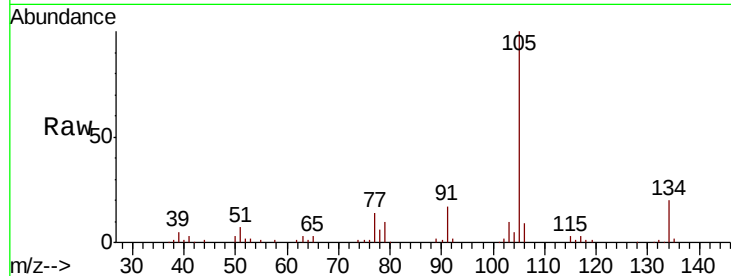




#79  
 sec-Butylbenzene  
 Concen: 1.961 ug/l  
 RT: 11.66 min Scan# 3210  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

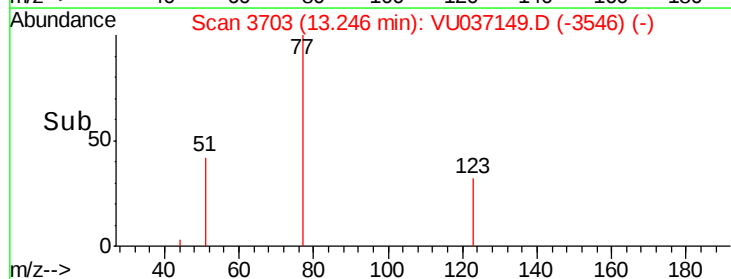
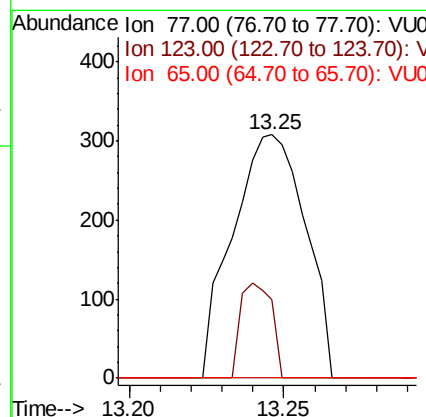
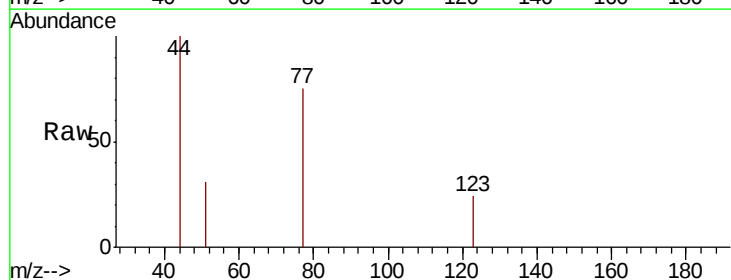
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

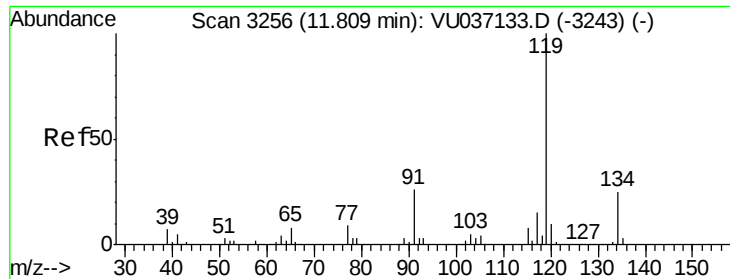
Tot Ion: 105 Resp: 48807  
 Ion Ratio Lower Upper  
 105 100  
 134 19.0 16.0 24.0



#80  
 Nitrobenzene  
 Concen: 4.930 ug/l  
 RT: 13.25 min Scan# 3703  
 Delta R.T. 0.01 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion: 77 Resp: 504  
 Ion Ratio Lower Upper  
 77 100  
 123 16.9 19.6 69.6#  
 65 0.0 12.7 16.1#

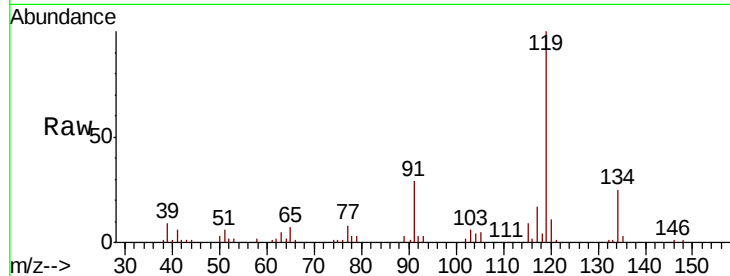




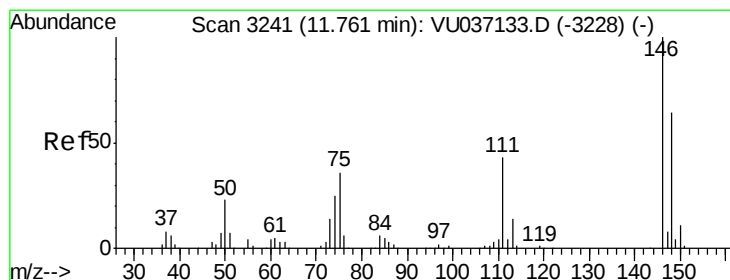
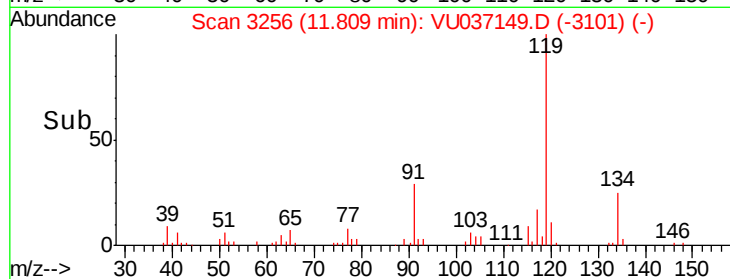
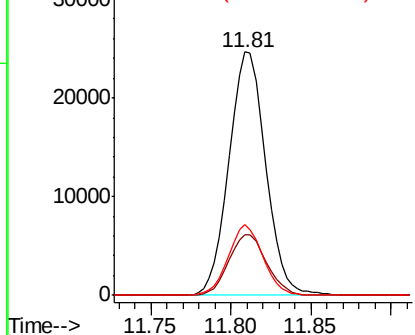
#81  
 p-Isopropyltoluene  
 Concen: 1.966 ug/l  
 RT: 11.81 min Scan# 3256  
 Delta R.T. -0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.2  | 21.4  | 32.0  |
| 91      | 27.3  | 18.3  | 27.5  |

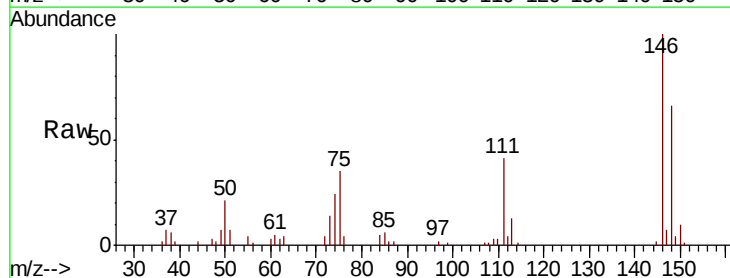


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 134.00 (133.70 to 134.70): V  
 Ion 91.00 (90.70 to 91.70): V

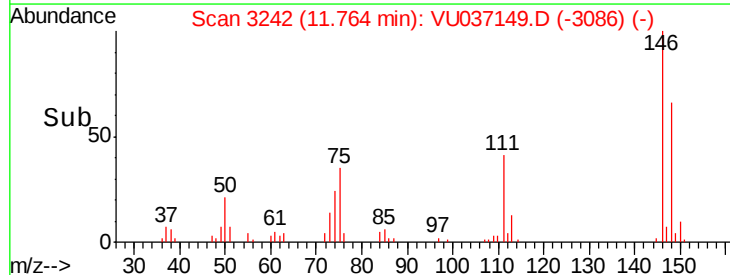
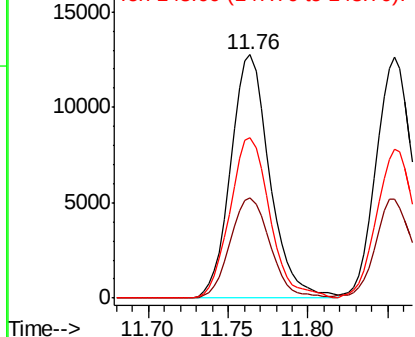


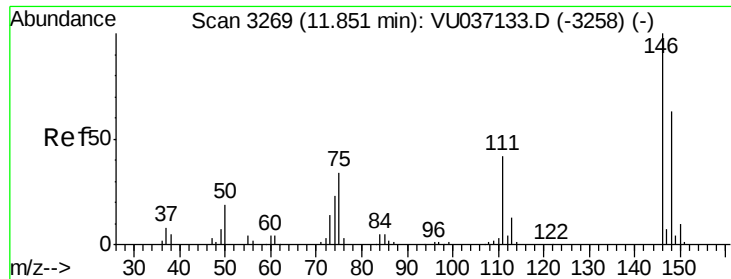
#82  
 1,3-Dichlorobenzene  
 Concen: 2.034 ug/l  
 RT: 11.76 min Scan# 3242  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.2  | 32.2  | 48.2  |
| 148     | 67.5  | 51.4  | 77.2  |



Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

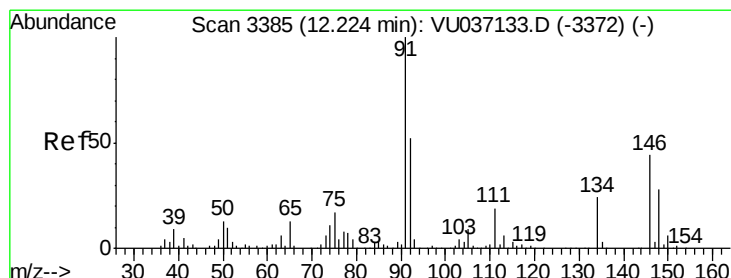
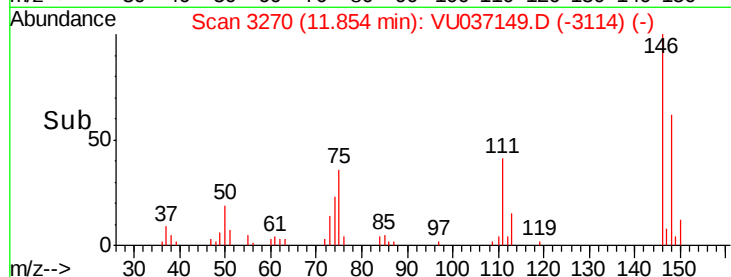
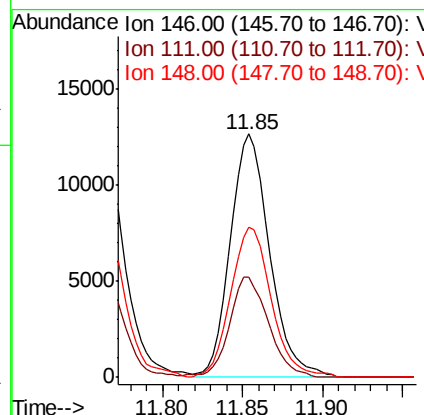
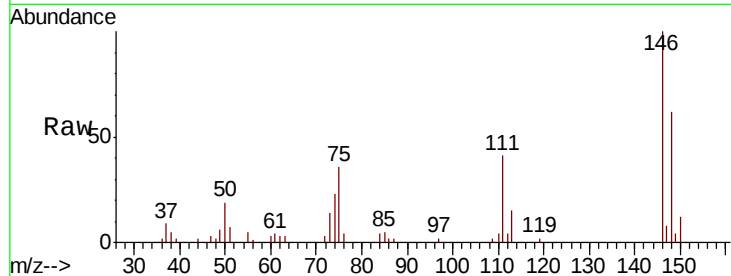




#83  
 1,4-Dichlorobenzene  
 Concen: 2.022 ug/l  
 RT: 11.85 min Scan# 3270  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

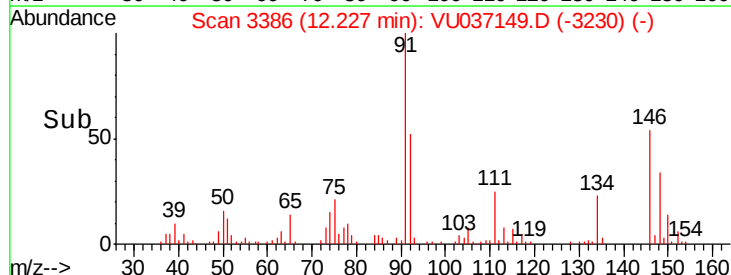
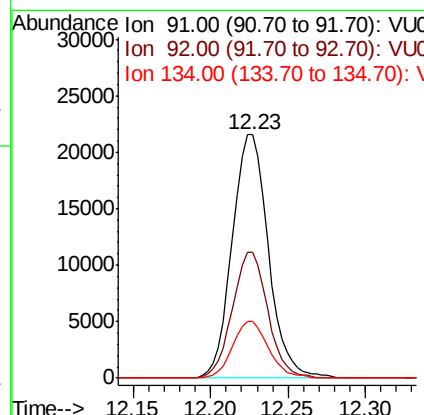
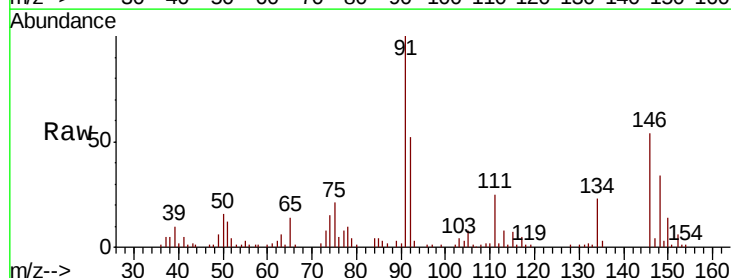
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

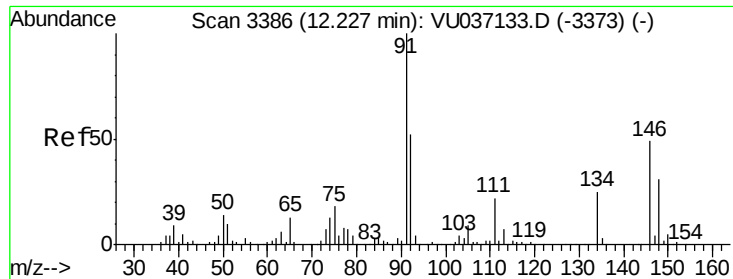
Tot Ion:146 Resp: 21283  
 Ion Ratio Lower Upper  
 146 100  
 111 40.4 30.5 45.7  
 148 63.3 51.0 76.4



#84  
 n-Butylbenzene  
 Concen: 1.883 ug/l  
 RT: 12.23 min Scan# 3386  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion: 91 Resp: 34989  
 Ion Ratio Lower Upper  
 91 100  
 92 50.6 42.9 64.3  
 134 23.1 21.4 32.0

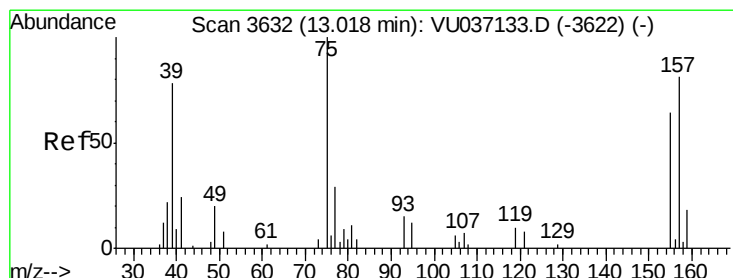
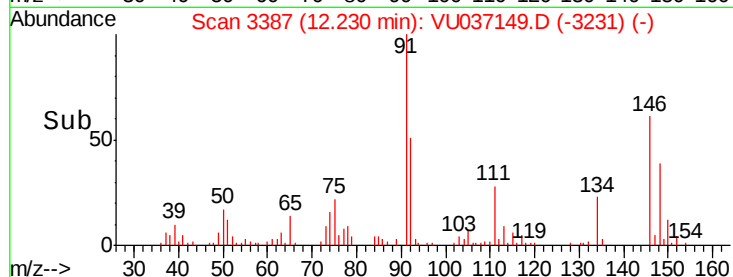
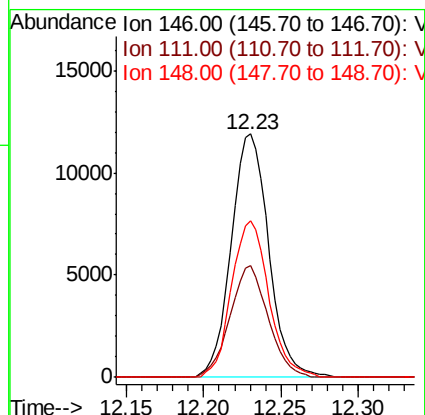
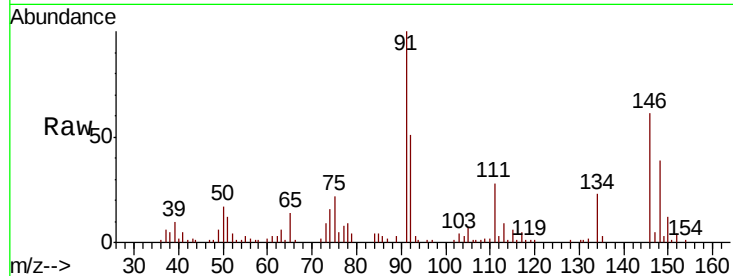




#85  
 1,2-Dichlorobenzene  
 Concen: 1.992 ug/l  
 RT: 12.23 min Scan# 3387  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

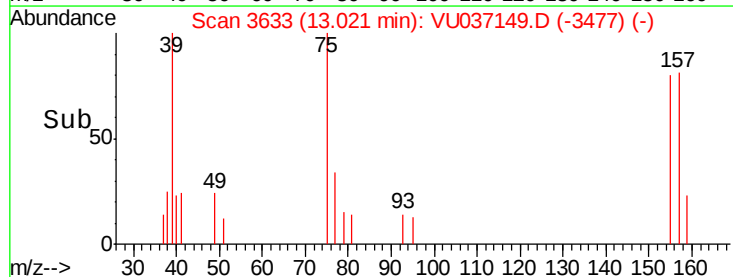
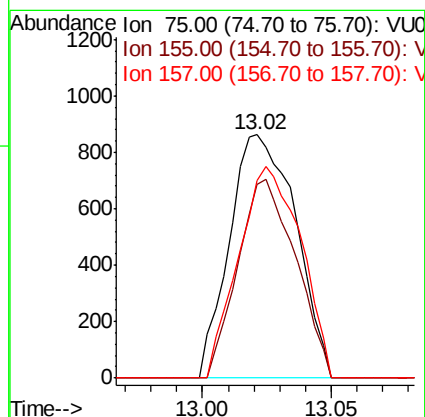
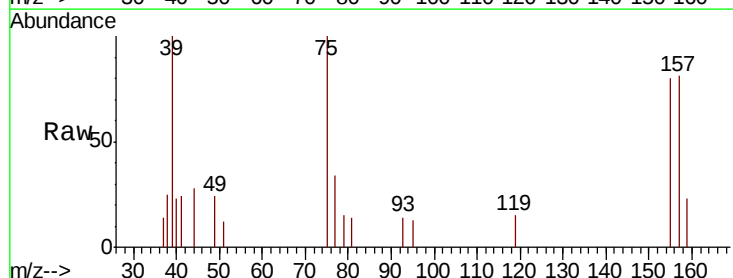
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

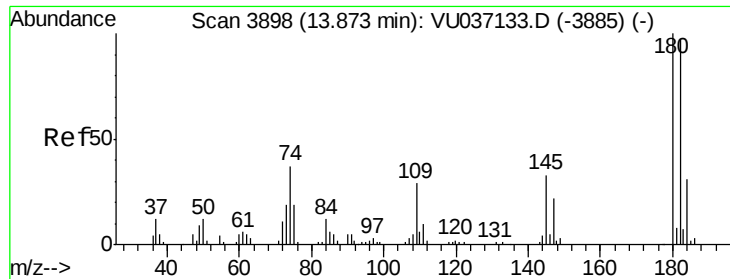
Tot Ion:146 Resp: 20021  
 Ion Ratio Lower Upper  
 146 100  
 111 46.6 20.8 62.4  
 148 63.8 32.0 96.2



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 1.867 ug/l  
 RT: 13.02 min Scan# 3633  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion: 75 Resp: 1539  
 Ion Ratio Lower Upper  
 75 100  
 155 71.6 71.8 107.8#  
 157 81.9 92.4 138.6#

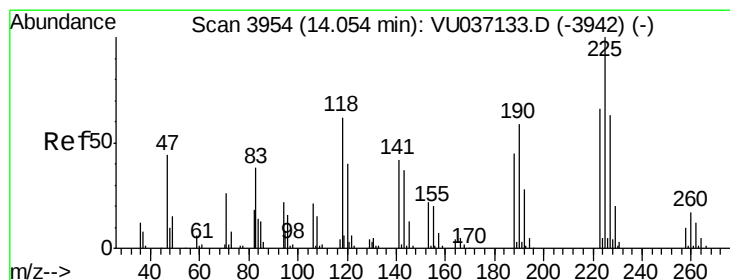
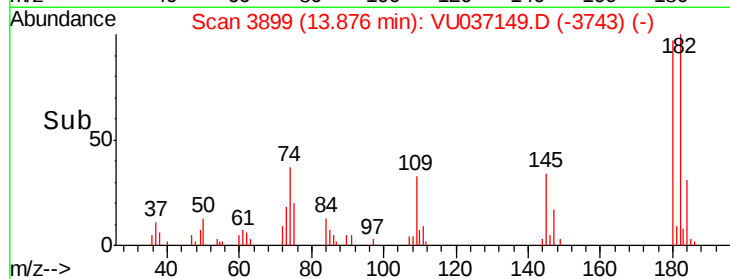
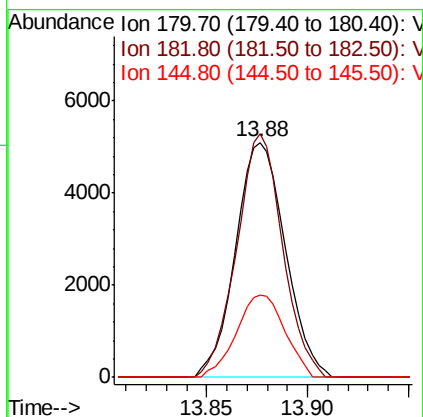
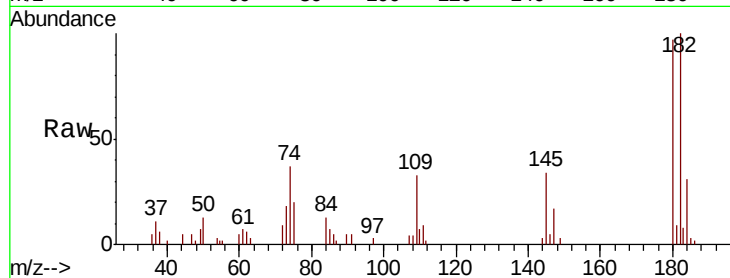




#87  
 1,2,4-Trichlorobenzene  
 Concen: 1.739 ug/l  
 RT: 13.88 min Scan# 3899  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

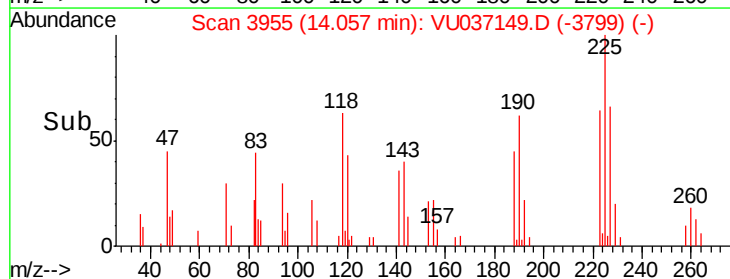
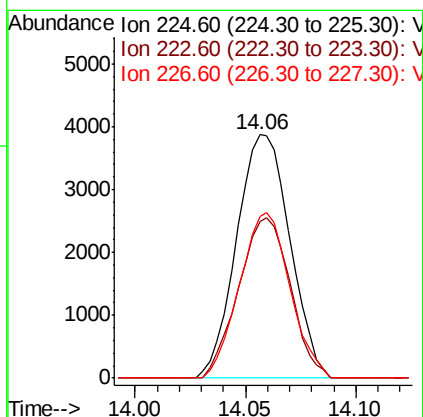
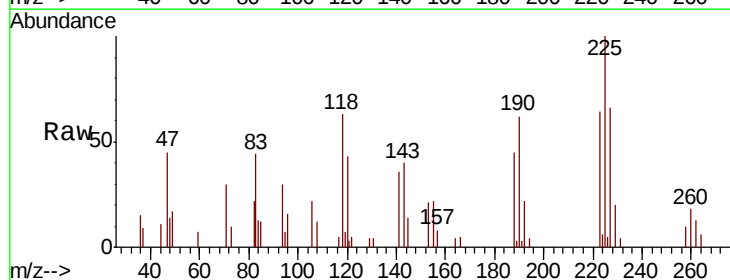
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0310WBS01

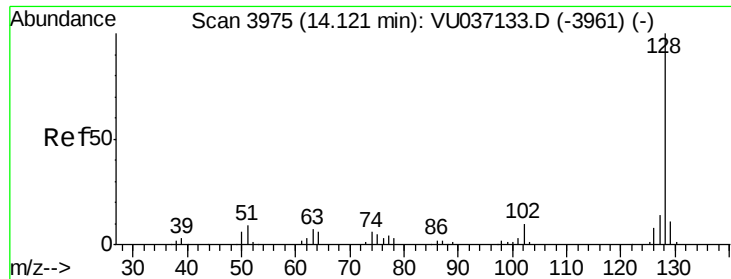
Tot Ion:180 Resp: 8786  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 75.9 113.9  
 145 34.1 23.4 35.2



#88  
 Hexachlorobutadiene  
 Concen: 2.075 ug/l  
 RT: 14.06 min Scan# 3955  
 Delta R.T. 0.00 min  
 Lab File: VU037149.D  
 Acq: 10 Mar 2020 13:13

Tgt Ion:225 Resp: 6490  
 Ion Ratio Lower Upper  
 225 100  
 223 63.8 51.7 77.5  
 227 64.1 50.6 75.8





#89

Naphthalene

Concen: 1.616 ug/l

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

Instrument :

MSVOA\_U

ClientSampleId :

VU0310WBS01

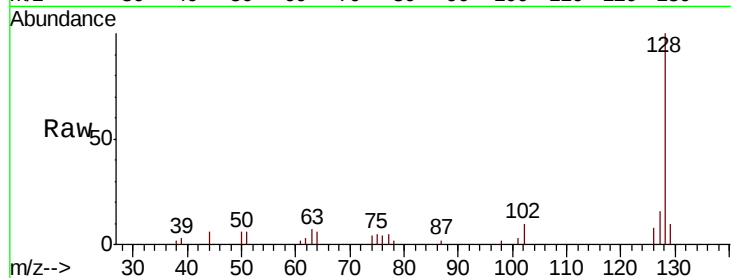
Tot Ion:128 Resp: 12484

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

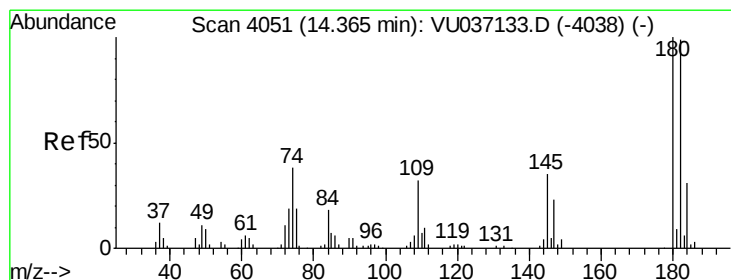
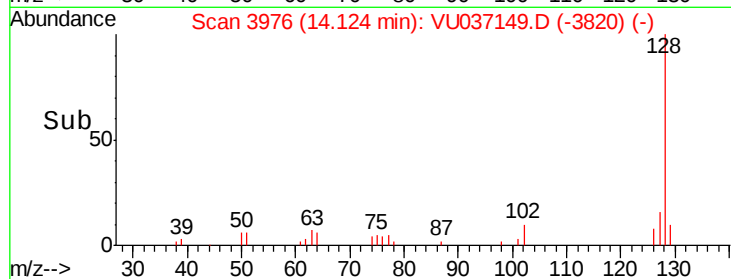
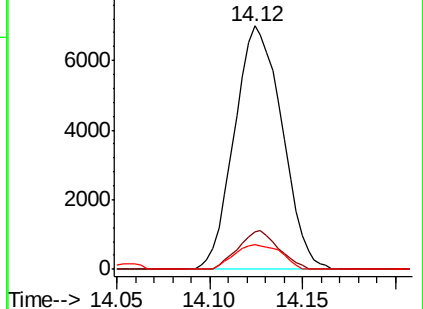
129 10.0 8.7 13.1



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



#90

1,2,3-Trichlorobenzene

Concen: 1.767 ug/l

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU037149.D

Acq: 10 Mar 2020 13:13

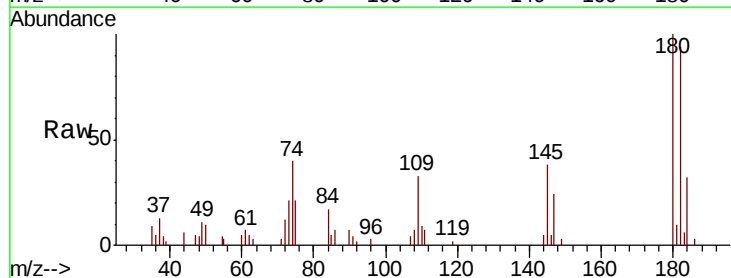
Tgt Ion:180 Resp: 8688

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

145 36.6 25.2 37.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

