

Data File : VU029673.D  
Acq On : 26 Feb 2019 11:14  
Operator : JC/SP  
Sample : VU0226WBS01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

Quant Time: Feb 27 00:21:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U020519DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Fri Feb 08 10:52:46 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 5.74 | 96   | 60350    | 1.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                            |       |     |          |      |         |      |
|----------------------------|-------|-----|----------|------|---------|------|
| 57) 4-Bromofluorobenzene   | 10.31 | 95  | 22911    | 0.97 | ug/l    | 0.00 |
| Spiked Amount              | 1.000 |     | Recovery | =    | 97.00%  |      |
| 68) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 24749    | 1.02 | ug/l    | 0.00 |
| Spiked Amount              | 1.000 |     | Recovery | =    | 102.00% |      |

#### Target Compounds

|                               |      |     |        |               | Qvalue |
|-------------------------------|------|-----|--------|---------------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 41728  | 1.853 ug/l    | 98     |
| 3) Chloromethane              | 1.33 | 50  | 34588  | 1.681 ug/l    | 99     |
| 4) Vinyl Chloride             | 1.40 | 62  | 42988  | 1.782 ug/l    | 95     |
| 5) Bromomethane               | 1.63 | 94  | 27254  | 2.031 ug/l    | 97     |
| 6) Chloroethane               | 1.70 | 64  | 25813  | 1.831 ug/l    | 100    |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 59442  | 1.764 ug/l    | 100    |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 35442  | 1.992 ug/l    | 89     |
| 9) 1,1-Dichloroethene         | 2.28 | 96  | 34083  | 1.958 ug/l    | 69     |
| 10) Iodomethane               | 2.41 | 142 | 18452  | 0.987 ug/l #  | 73     |
| 11) Allyl Chloride            | 2.59 | 41  | 47187  | 1.616 ug/l    | 82     |
| 12) Acrylonitrile             | 2.93 | 53  | 15047  | 3.856 ug/l    | 96     |
| 13) Acetone                   | 2.32 | 43  | 33405  | 8.883 ug/l #  | 75     |
| 14) Carbon Disulfide          | 2.47 | 76  | 109955 | 1.789 ug/l    | 98     |
| 15) Methylene Chloride        | 2.70 | 84  | 41679  | 1.974 ug/l #  | 73     |
| 16) trans-1,2-Dichloroethene  | 2.98 | 96  | 38412  | 1.973 ug/l #  | 73     |
| 17) 1,1-Dichloroethane        | 3.44 | 63  | 66026  | 2.140 ug/l    | 96     |
| 18) 2-Butanone                | 4.28 | 43  | 41300  | 9.826 ug/l    | 95     |
| 19) Cyclohexane               | 4.99 | 56  | 42166  | 1.474 ug/l    | 86     |
| 20) Methylcyclohexane         | 6.41 | 83  | 56669  | 1.886 ug/l #  | 86     |
| 21) 2,2-Dichloropropane       | 4.22 | 77  | 50750  | 1.777 ug/l #  | 88     |
| 22) cis-1,2-Dichloroethene    | 4.22 | 96  | 38674  | 2.109 ug/l    | 76     |
| 23) Diethyl Ether             | 2.10 | 59  | 25642  | 1.834 ug/l    | 87     |
| 24) tert-Butyl Alcohol        | 2.83 | 59  | 26559  | 18.280 ug/l   | 99     |
| 25) Methyl tert-Butyl Ether   | 3.00 | 73  | 89326  | 1.822 ug/l #  | 80     |
| 26) Bromochloromethane        | 4.54 | 128 | 17380  | 2.145 ug/l    | 71     |
| 27) Chloroform                | 4.67 | 83  | 61990  | 2.066 ug/l    | 99     |
| 28) 1,1,1-Trichloroethane     | 4.91 | 97  | 54319  | 1.953 ug/l    | 94     |
| 29) 1,1-Dichloropropene       | 5.13 | 75  | 46699  | 1.934 ug/l    | 91     |
| 30) Carbon Tetrachloride      | 5.13 | 117 | 46887  | 1.862 ug/l    | 97     |
| 31) Isopropyl Ether           | 3.58 | 45  | 87794  | 1.886 ug/l    | 91     |
| 32) Ethyl-t-butyl ether       | 4.07 | 59  | 88961  | 1.907 ug/l    | 92     |
| 33) Tert-Amyl methyl ether    | 5.58 | 73  | 81907  | 1.942 ug/l    | 100    |
| 34) Propionitrile             | 4.34 | 54  | 11090  | 10.038 ug/l # | 92     |
| 35) Benzene                   | 5.39 | 78  | 139741 | 2.093 ug/l    | 98     |
| 36) 1,2-Dichloroethane        | 5.40 | 62  | 38292  | 1.896 ug/l #  | 86     |
| 37) Trichloroethene           | 6.18 | 130 | 40058  | 2.091 ug/l    | 88     |
| 38) 1,2-Dichloropropane       | 6.43 | 63  | 35041  | 2.018 ug/l    | 100    |
| 39) Methacrylonitrile         | 4.55 | 41  | 10110  | 1.787 ug/l #  | 89     |
| 40) Methyl acrylate           | 4.43 | 55  | 17063  | 1.998 ug/l #  | 90     |
| 41) Tetrahydrofuran           | 4.65 | 42  | 10420  | 3.656 ug/l    | 91     |
| 42) 1-Chlorobutane            | 5.06 | 56  | 61747  | 1.909 ug/l    | 85     |

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QLast Update : Fri Feb 08 10:52:46 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 43) Dibromomethane             | 6.56  | 93   | 18839    | 2.036 | ug/l   | 90       |
| 44) Bromodichloromethane       | 6.75  | 83   | 43832    | 1.859 | ug/l   | 97       |
| 45) 4-Methyl-2-Pentanone       | 7.46  | 43   | 92260    | 8.504 | ug/l # | 87       |
| 46) t-1,4-Dichloro-2-butene    | 10.49 | 75   | 19676    | 3.723 | ug/l # | 68       |
| 47) Methyl methacrylate        | 6.62  | 69   | 30729    | 3.774 | ug/l # | 70       |
| 48) Ethyl methacrylate         | 8.02  | 69   | 30929    | 1.770 | ug/l   | 78       |
| 49) Toluene                    | 7.63  | 92   | 87059    | 2.038 | ug/l   | 99       |
| 50) t-1,3-Dichloropropene      | 7.88  | 75   | 38617    | 1.671 | ug/l   | 92       |
| 51) cis-1,3-Dichloropropene    | 7.27  | 75   | 48340    | 1.760 | ug/l # | 84       |
| 52) 1,1,2-Trichloroethane      | 8.06  | 97   | 26764    | 2.184 | ug/l   | 95       |
| 53) 1,3-Dichloropropane        | 8.24  | 76   | 44826    | 2.083 | ug/l   | 97       |
| 54) 2-Hexanone                 | 8.36  | 43   | 67488    | 8.875 | ug/l   | 88       |
| 55) Dibromochloromethane       | 8.48  | 129  | 30439    | 1.748 | ug/l   | 96       |
| 56) 1,2-Dibromoethane          | 8.58  | 107  | 25273    | 2.011 | ug/l   | 98       |
| 58) Tetrachloroethene          | 8.22  | 164  | 40252    | 2.258 | ug/l   | 97       |
| 59) Chlorobenzene              | 9.12  | 112  | 99608    | 2.070 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 34511    | 1.941 | ug/l   | 95       |
| 61) Pentachloroethane          | 11.10 | 117  | 23906    | 1.735 | ug/l   | 91       |
| 62) Hexachloroethane           | 12.14 | 117  | 25032    | 1.664 | ug/l   | 95       |
| 63) Ethyl Benzene              | 9.25  | 91   | 162260   | 1.942 | ug/l   | 94       |
| 64) m/p-Xylenes                | 9.37  | 106  | 127938   | 3.939 | ug/l   | 88       |
| 65) o-Xylene                   | 9.78  | 106  | 63782    | 2.001 | ug/l   | 85       |
| 66) Styrene                    | 9.79  | 104  | 104193   | 1.961 | ug/l   | 92       |
| 67) Bromoform                  | 9.95  | 173  | 17999    | 1.661 | ug/l   | 97       |
| 69) Isopropylbenzene           | 10.16 | 105  | 168966   | 1.984 | ug/l   | 96       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 32799    | 2.089 | ug/l   | 98       |
| 71) 1,2,3-Trichloropropane     | 10.49 | 75   | 19676    | 1.825 | ug/l # | 77       |
| 72) Bromobenzene               | 10.45 | 156  | 43157    | 2.090 | ug/l   | 83       |
| 73) n-propylbenzene            | 10.58 | 120  | 47069    | 1.984 | ug/l   | 80       |
| 74) 2-Chlorotoluene            | 10.66 | 126  | 41978    | 2.078 | ug/l   | 80       |
| 75) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 140547   | 1.914 | ug/l   | 95       |
| 76) 4-Chlorotoluene            | 10.77 | 126  | 41286    | 1.969 | ug/l   | 81       |
| 77) tert-Butylbenzene          | 11.10 | 119  | 142704   | 1.966 | ug/l   | 90       |
| 78) 1,2,4-Trimethylbenzene     | 11.14 | 105  | 141705   | 1.906 | ug/l   | 95       |
| 79) sec-Butylbenzene           | 11.32 | 105  | 182152   | 1.918 | ug/l   | 96       |
| 80) Nitrobenzene               | 12.88 | 77   | 1626     | 2.324 | ug/l # | 72       |
| 81) p-Isopropyltoluene         | 11.47 | 119  | 154722   | 1.922 | ug/l   | 94       |
| 82) 1,3-Dichlorobenzene        | 11.41 | 146  | 84407    | 2.084 | ug/l   | 96       |
| 83) 1,4-Dichlorobenzene        | 11.50 | 146  | 82704    | 2.050 | ug/l   | 96       |
| 84) n-Butylbenzene             | 11.89 | 91   | 133686   | 1.810 | ug/l   | 95       |
| 85) 1,2-Dichlorobenzene        | 11.88 | 146  | 79543    | 2.077 | ug/l   | 96       |
| 86) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 4836     | 1.650 | ug/l # | 69       |
| 87) 1,2,4-Trichlorobenzene     | 13.50 | 180  | 50235    | 1.867 | ug/l   | 98       |
| 88) Hexachlorobutadiene        | 13.69 | 225  | 31919    | 2.049 | ug/l   | 99       |
| 89) Naphthalene                | 13.74 | 128  | 77111    | 1.690 | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 48171    | 1.959 | ug/l   | 96       |

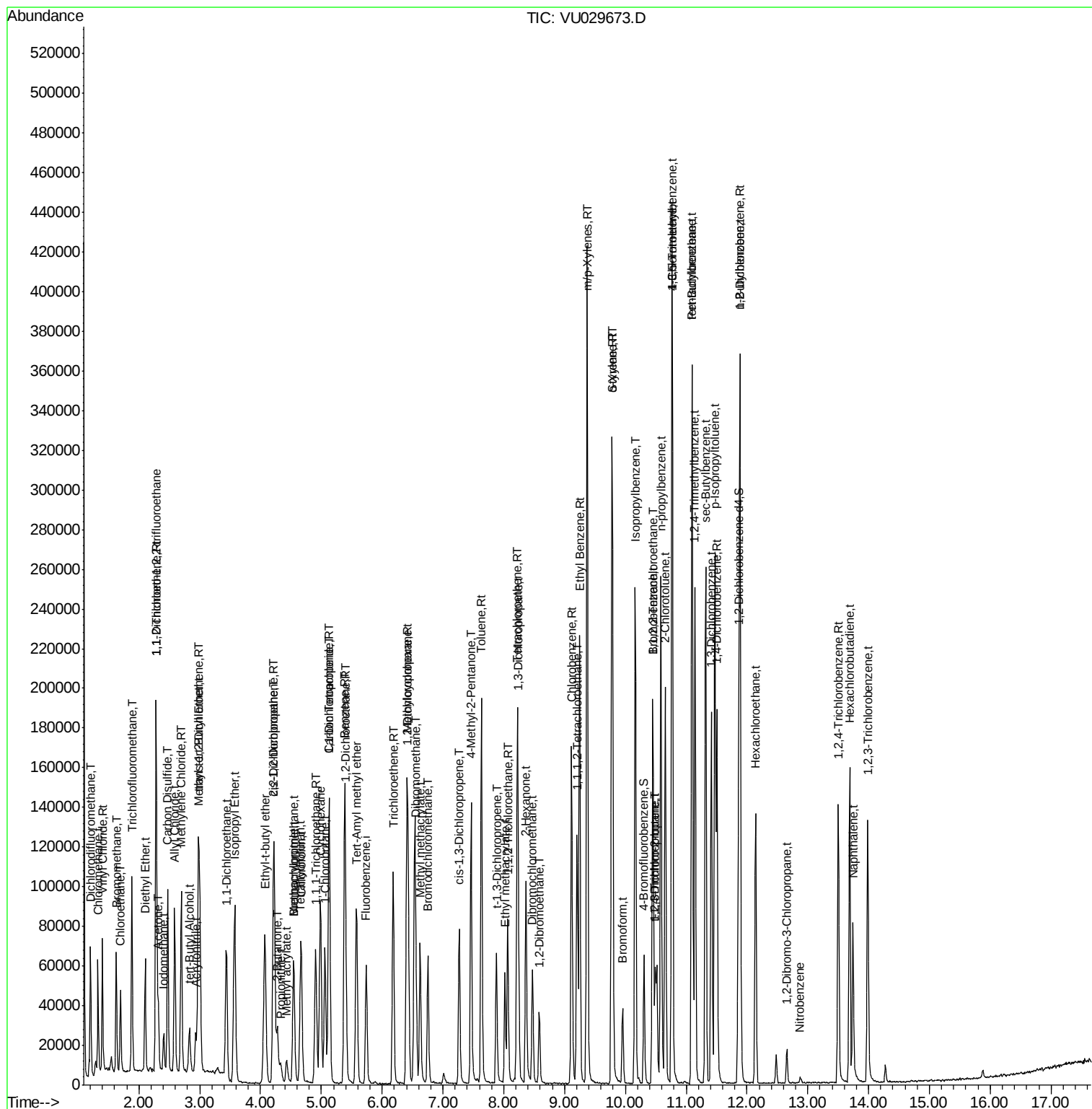
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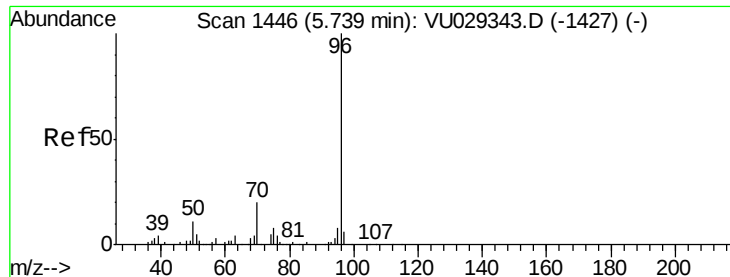
Data File : VU029673.D

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Acq On       : 26 Feb 2019   11:14
Operator    : JC/SP
Sample      : VU0226WS01
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 4      Sample Multiplier: 1
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MSVOA\_U  
**ClientSampleId :**  
VU0226WBS01

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0226WBS01

Tgt Ion: 96 Resp: 60350

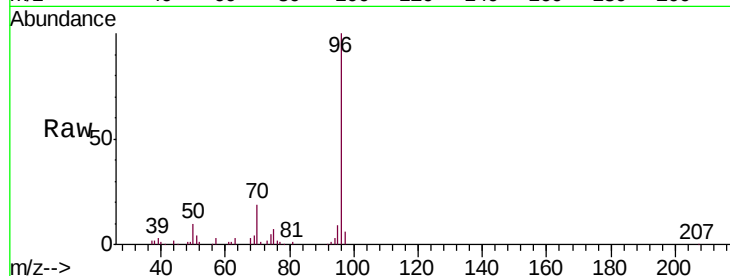
Ion Ratio Lower Upper

96 100

70 18.4 16.2 24.2

95 8.9 7.4 11.2

97 6.2 0.0 0.0#

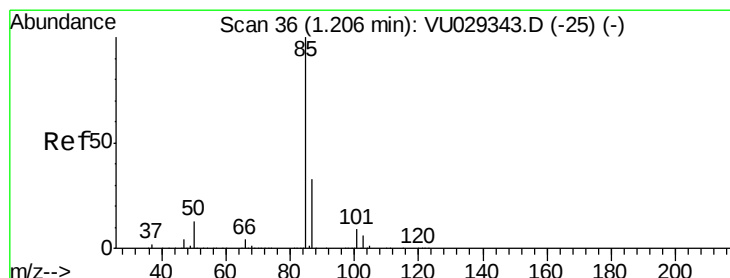
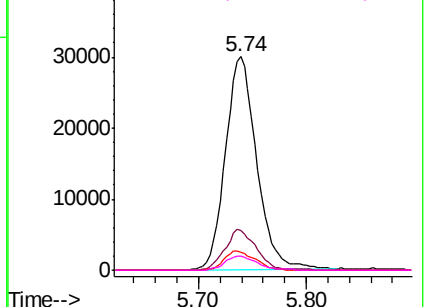
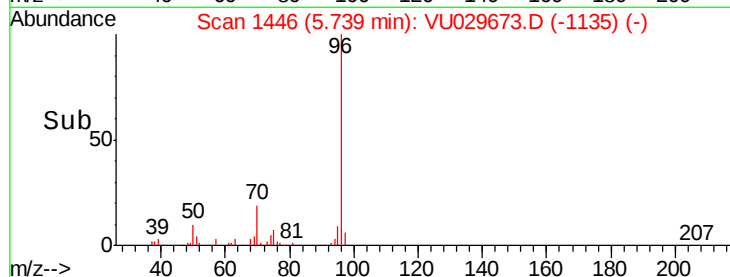


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 1.853 ug/l

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029673.D

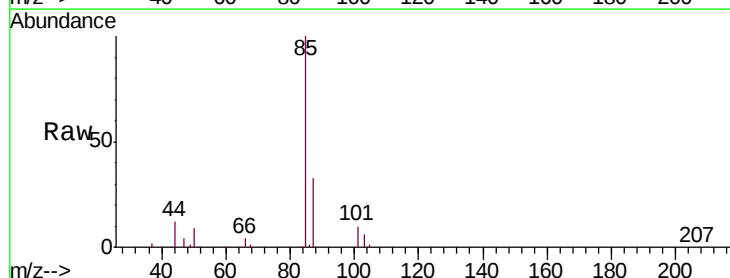
Acq: 26 Feb 2019 11:14

Tgt Ion: 85 Resp: 41728

Ion Ratio Lower Upper

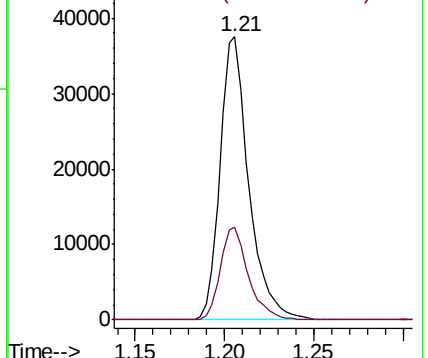
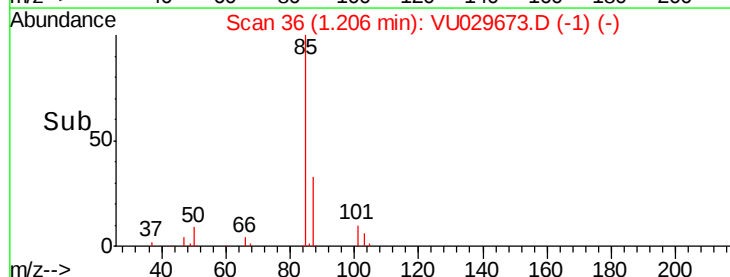
85 100

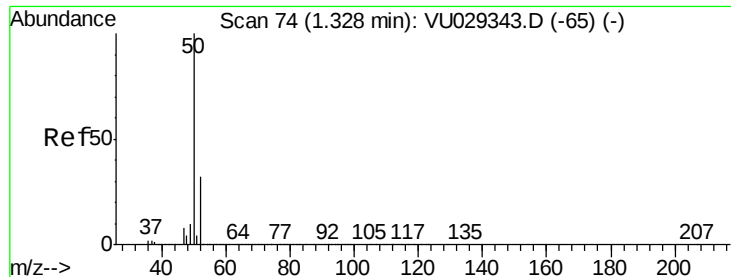
87 32.6 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 1.681 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

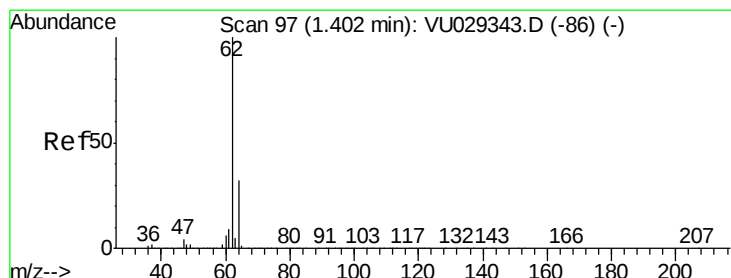
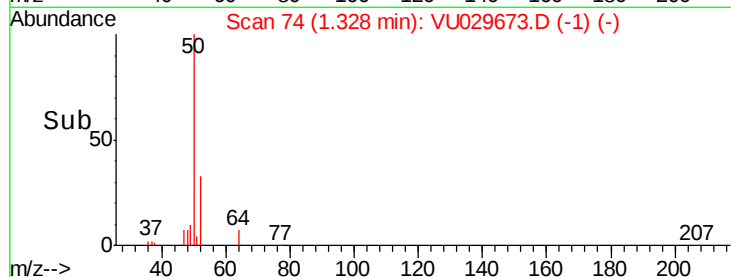
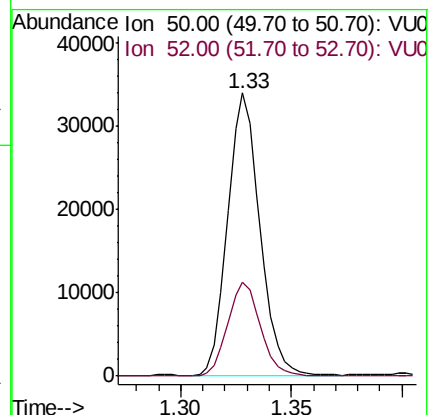
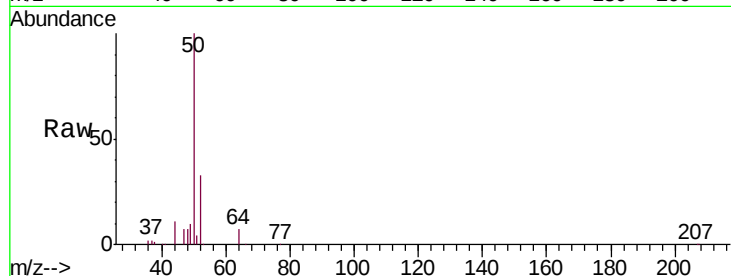
VU0226WBS01

Tgt Ion: 50 Resp: 34588

Ion Ratio Lower Upper

50 100

52 33.3 27.3 40.9



#4

Vinyl Chloride

Concen: 1.782 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029673.D

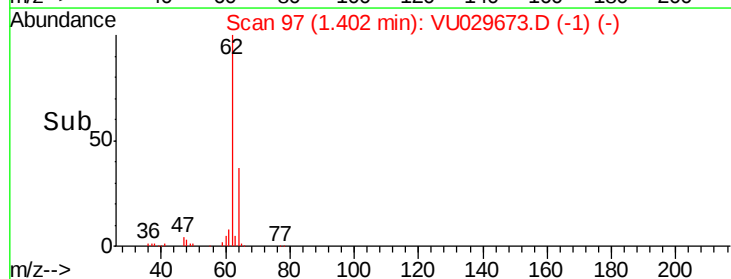
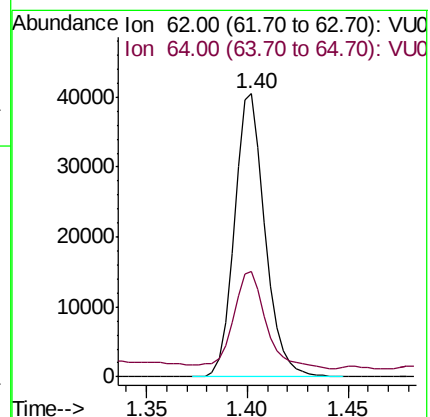
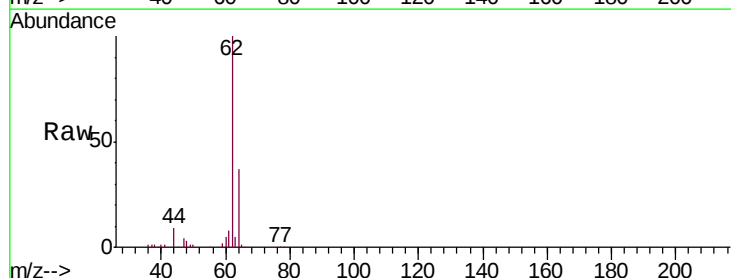
Acq: 26 Feb 2019 11:14

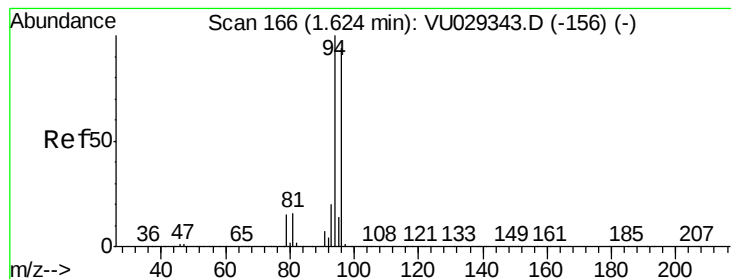
Tgt Ion: 62 Resp: 42988

Ion Ratio Lower Upper

62 100

64 34.1 25.2 37.8





#5

Bromomethane

Concen: 2.031 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

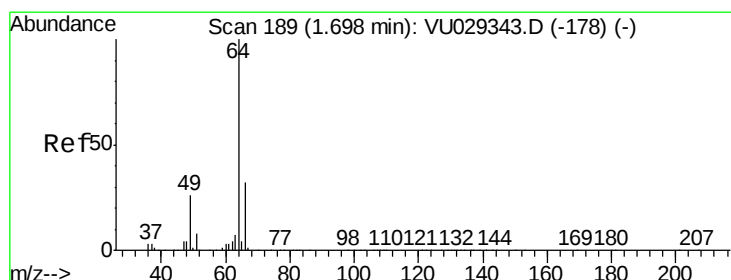
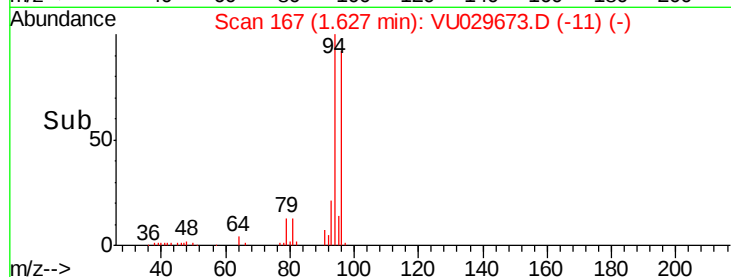
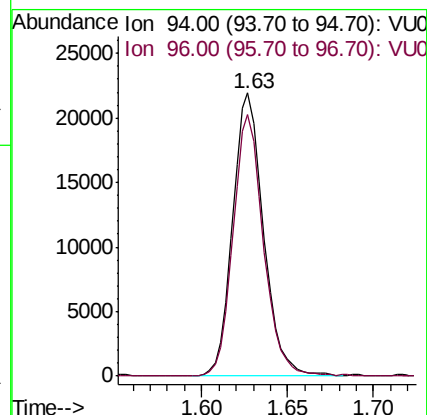
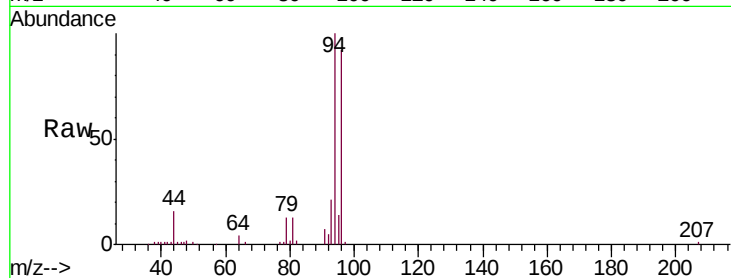
VU0226WBS01

Tgt Ion: 94 Resp: 27254

Ion Ratio Lower Upper

94 100

96 92.4 71.7 107.5



#6

Chloroethane

Concen: 1.831 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU029673.D

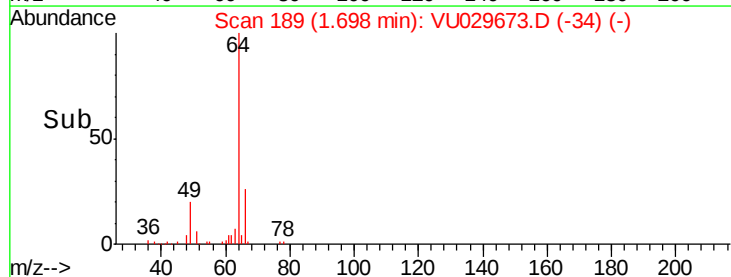
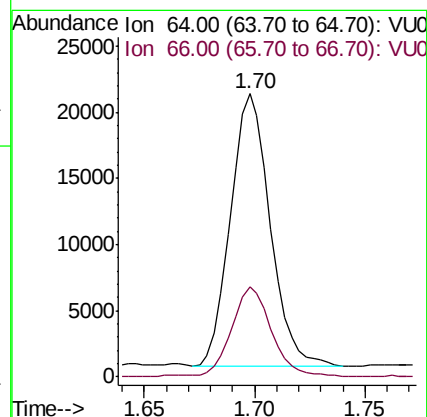
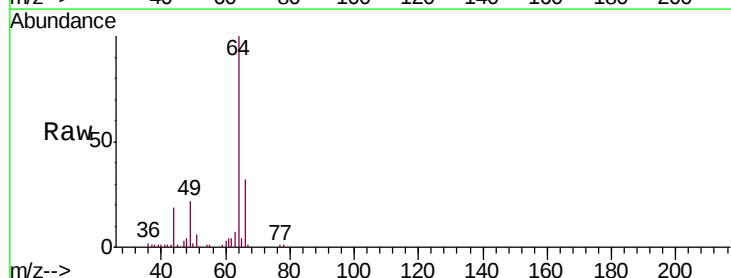
Acq: 26 Feb 2019 11:14

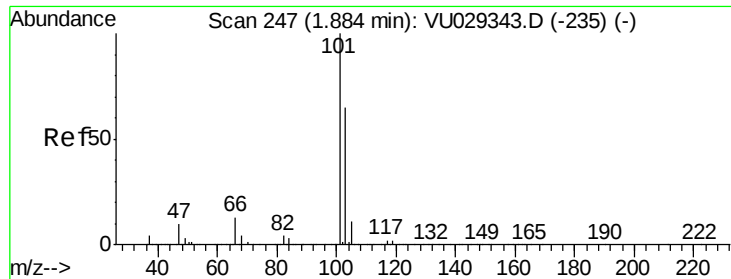
Tgt Ion: 64 Resp: 25813

Ion Ratio Lower Upper

64 100

66 32.8 26.3 39.5



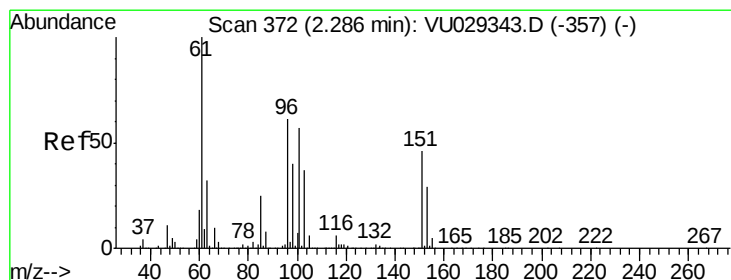
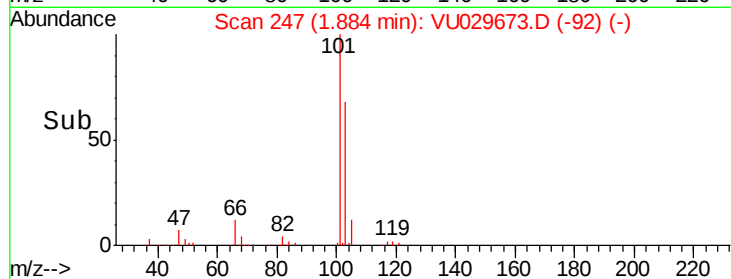
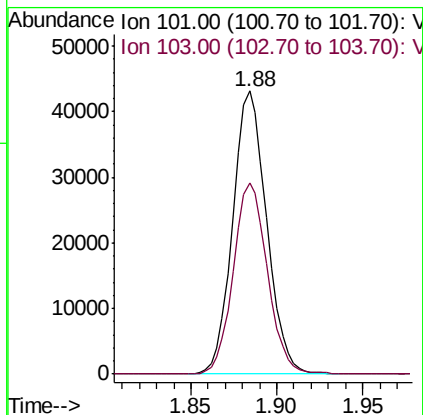
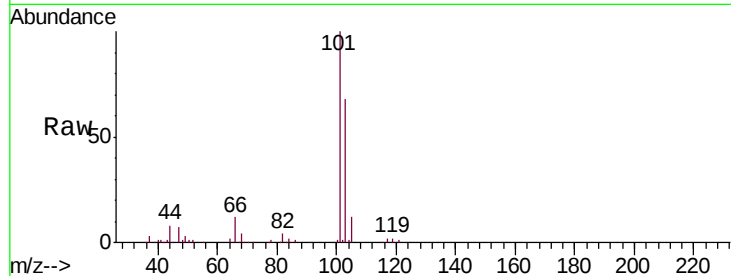


#7

Trichlorofluoromethane  
 Concen: 1.764 ug/l  
 RT: 1.88 min Scan# 247  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

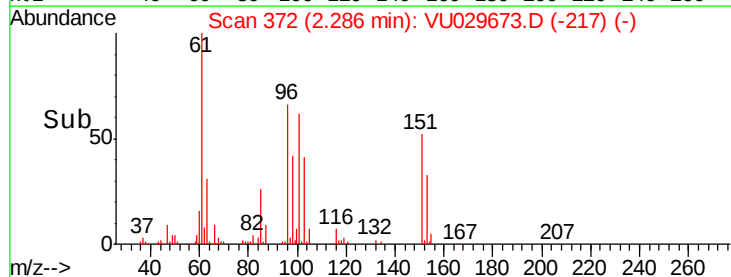
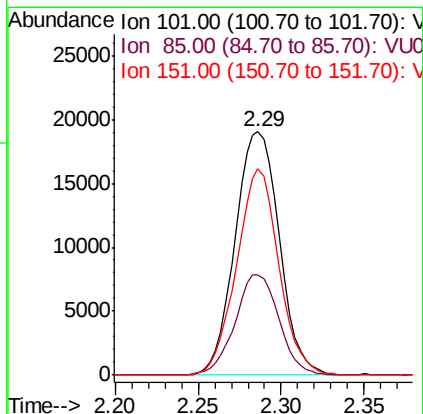
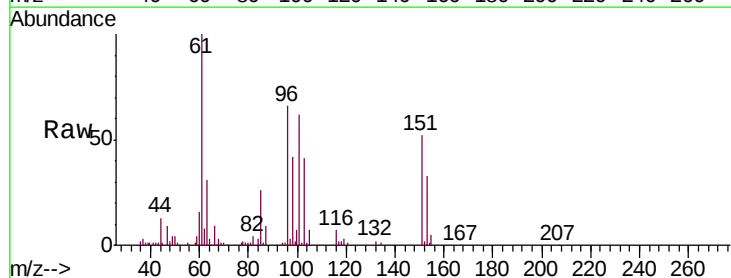
Tgt Ion:101 Resp: 59442  
 Ion Ratio Lower Upper  
 101 100  
 103 67.8 53.9 80.9

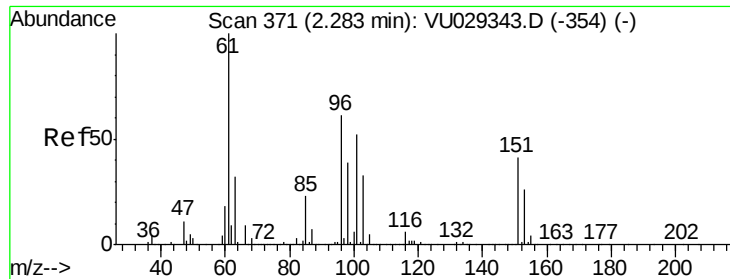


#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.992 ug/l  
 RT: 2.29 min Scan# 372  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion:101 Resp: 35442  
 Ion Ratio Lower Upper  
 101 100  
 85 41.0 40.3 60.5  
 151 80.8 58.1 87.1





#9

1,1-Dichloroethene

Concen: 1.958 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0226WBS01

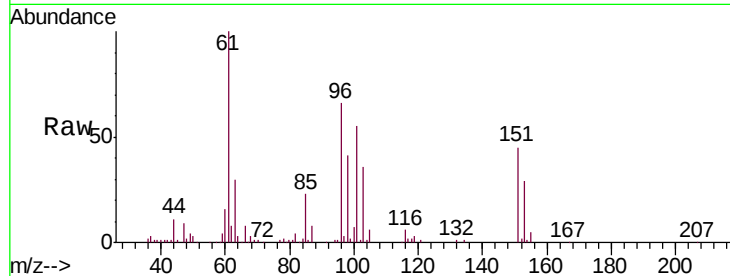
Tgt Ion: 96 Resp: 34083

Ion Ratio Lower Upper

96 100

61 151.6 0.0 641.4

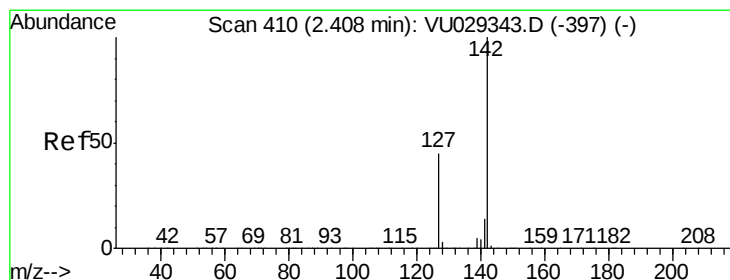
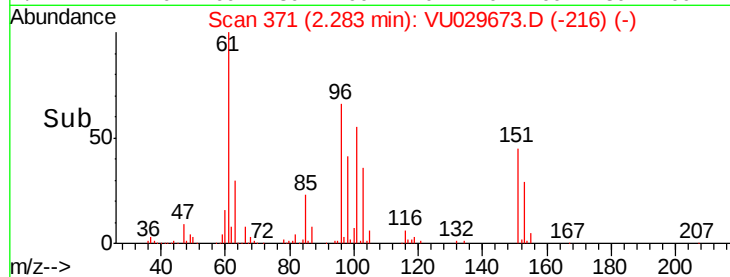
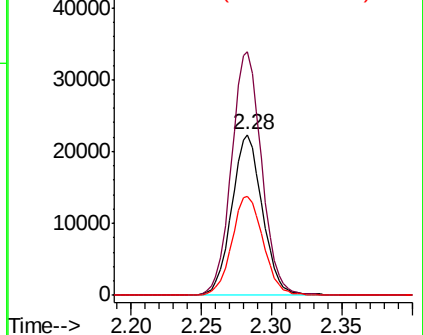
98 61.9 0.0 122.6



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



#10

Iodomethane

Concen: 0.987 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029673.D

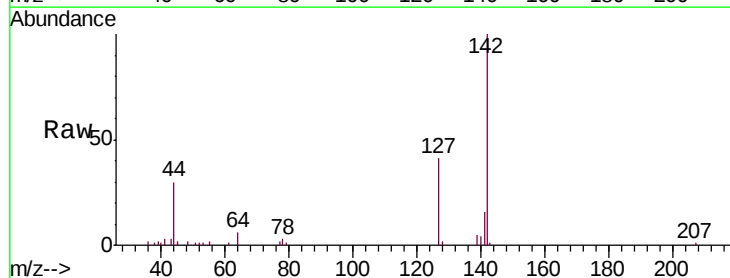
Acq: 26 Feb 2019 11:14

Tgt Ion: 142 Resp: 18452

Ion Ratio Lower Upper

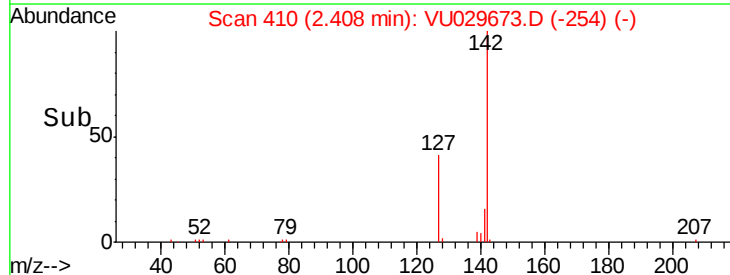
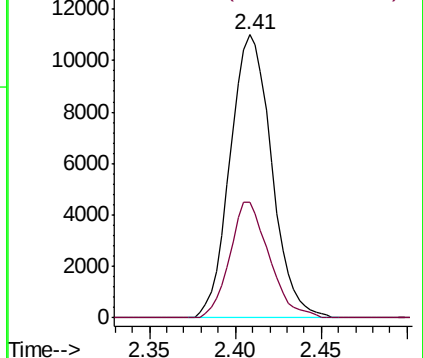
142 100

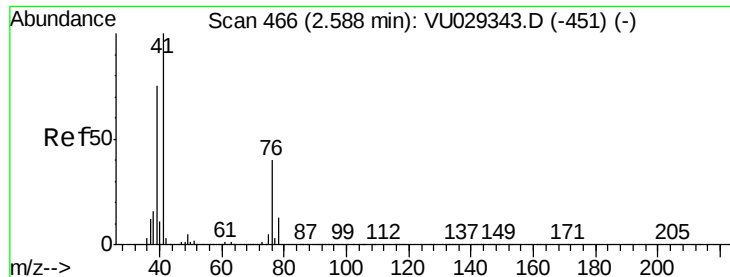
127 38.9 47.6 71.4#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

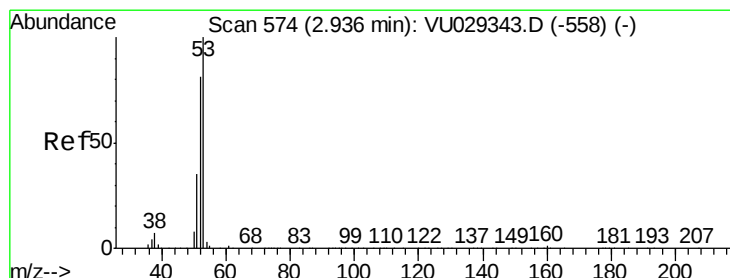
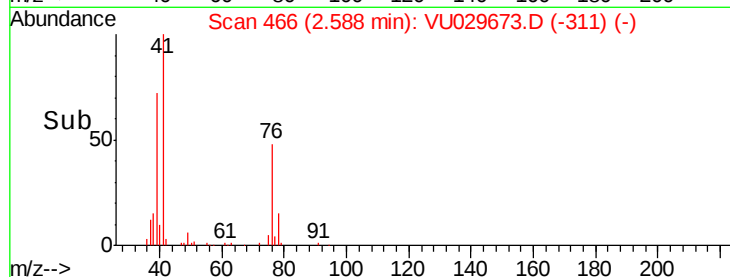
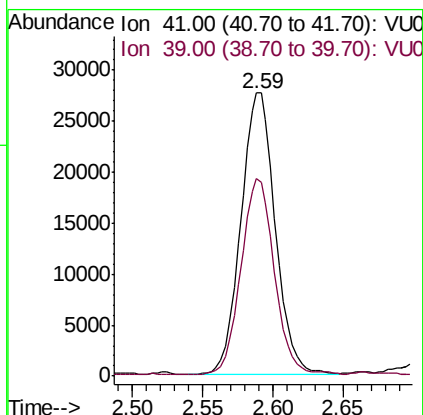
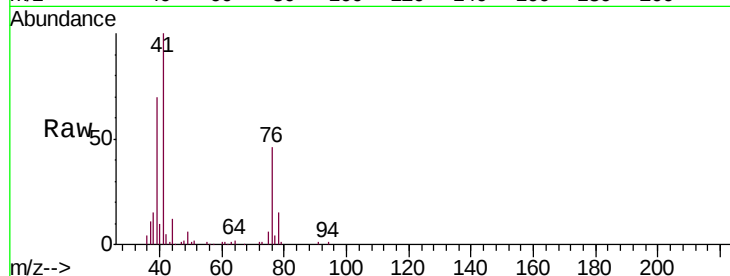




#11  
 Allyl Chloride  
 Concen: 1.616 ug/l  
 RT: 2.59 min Scan# 466  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

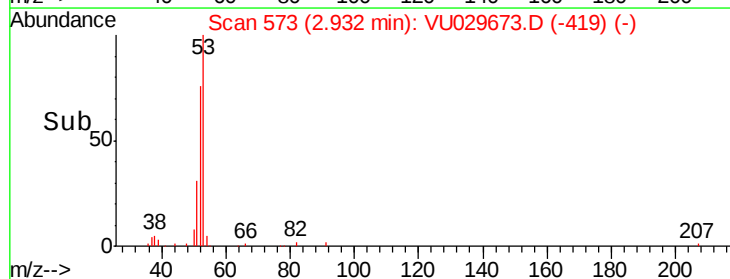
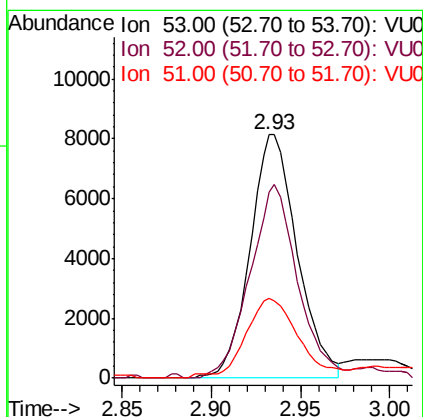
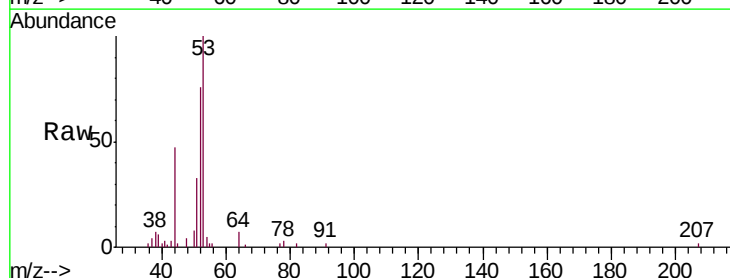
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

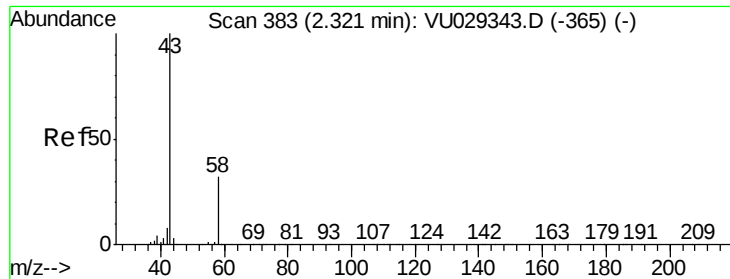
Tgt Ion: 41 Resp: 47187  
 Ion Ratio Lower Upper  
 41 100  
 39 68.0 67.2 100.8



#12  
 Acrylonitrile  
 Concen: 3.856 ug/l  
 RT: 2.93 min Scan# 573  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion: 53 Resp: 15047  
 Ion Ratio Lower Upper  
 53 100  
 52 80.3 67.6 101.4  
 51 36.8 31.0 46.4





#13

Acetone

Concen: 8.883 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

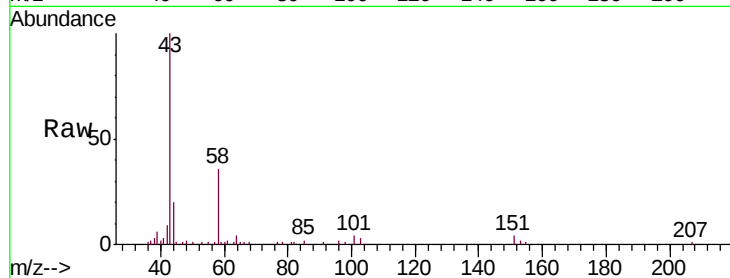
VU0226WBS01

Tgt Ion: 43 Resp: 33405

Ion Ratio Lower Upper

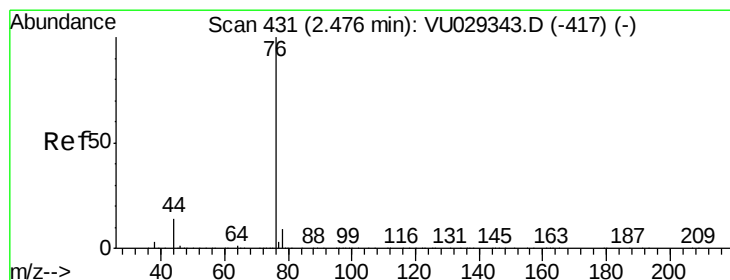
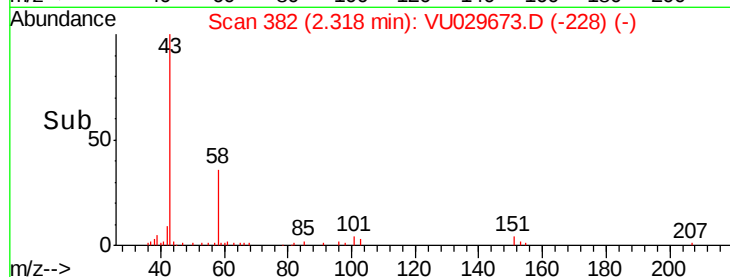
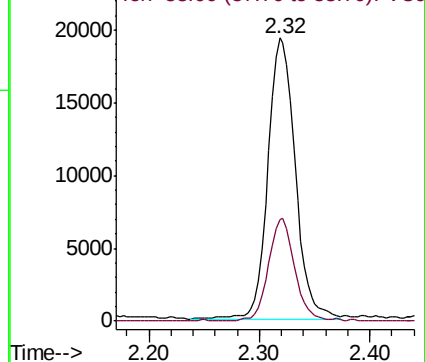
43 100

58 36.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 1.789 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029673.D

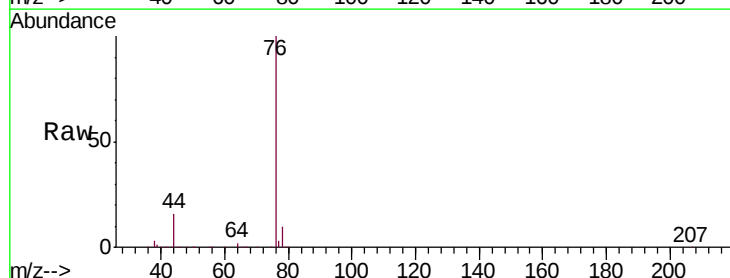
Acq: 26 Feb 2019 11:14

Tgt Ion: 76 Resp: 109955

Ion Ratio Lower Upper

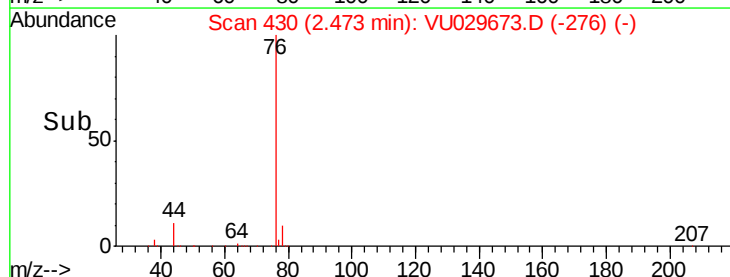
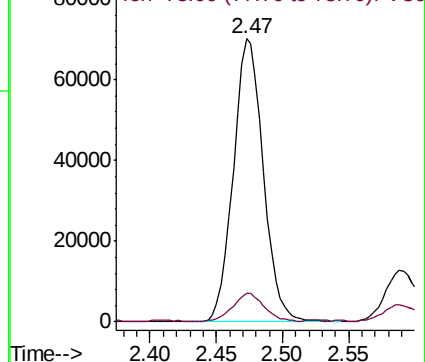
76 100

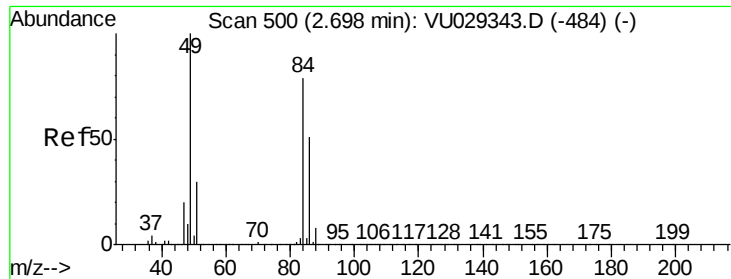
78 9.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

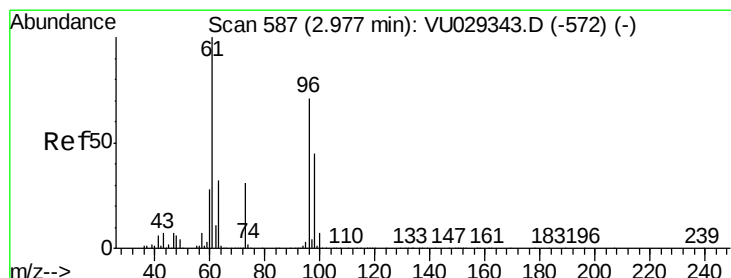
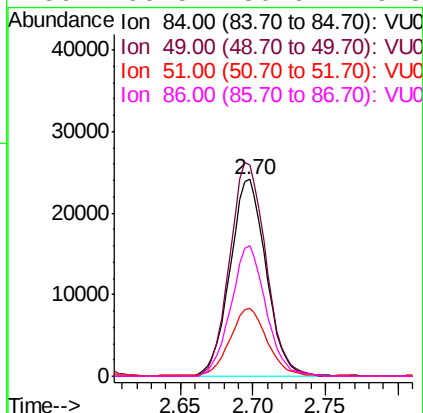
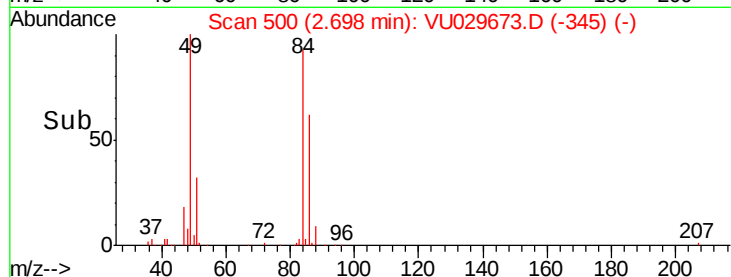
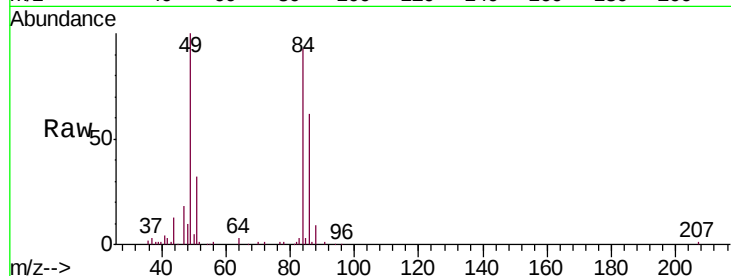




#15  
Methylene Chloride  
Concen: 1.974 ug/l  
RT: 2.70 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

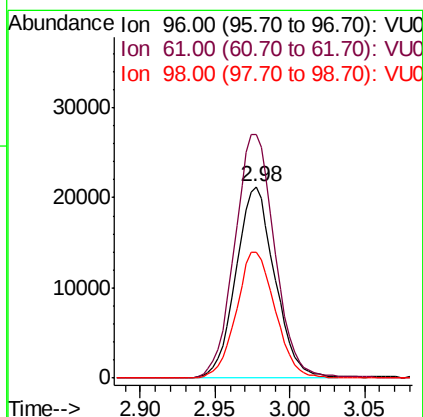
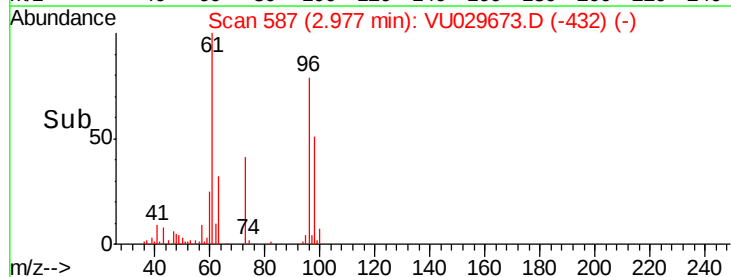
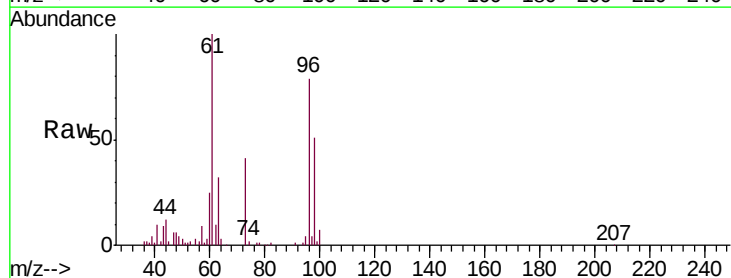
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

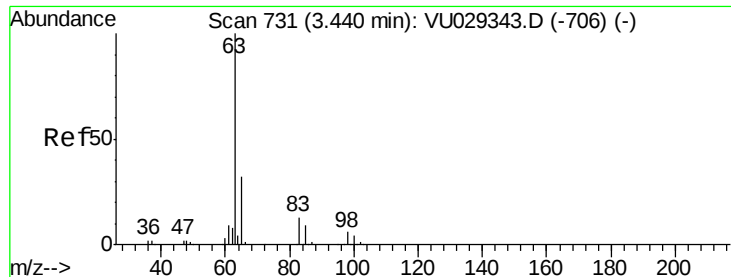
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 41679  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 107.7 | 127.0 | 190.6# |
| 51       | 34.1  | 0.0   | 93.4   |
| 86       | 66.5  | 50.6  | 75.8   |



#16  
trans-1,2-Dichloroethene  
Concen: 1.973 ug/l  
RT: 2.98 min Scan# 587  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 38412  |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 127.3 | 140.6 | 210.8# |
| 98       | 65.5  | 49.3  | 73.9   |





#17

1,1-Dichloroethane

Concen: 2.140 ug/l

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0226WBS01

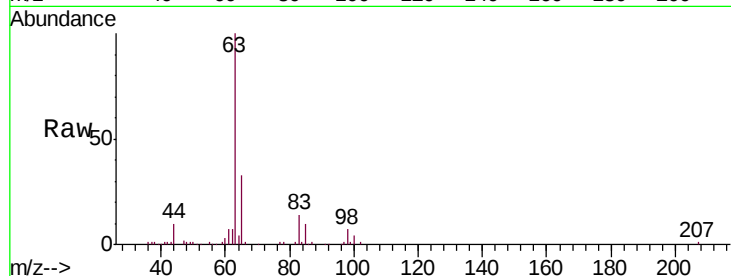
Tgt Ion: 63 Resp: 66026

Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.8

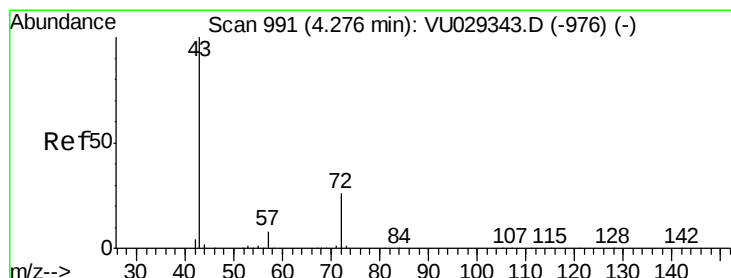
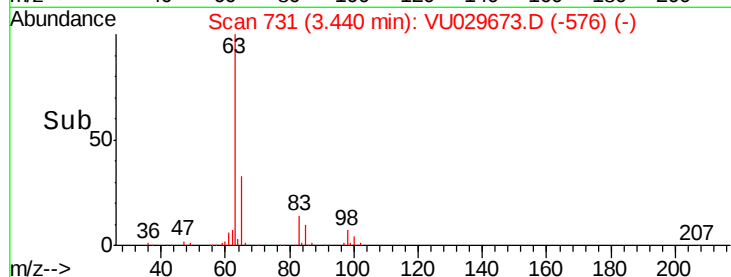
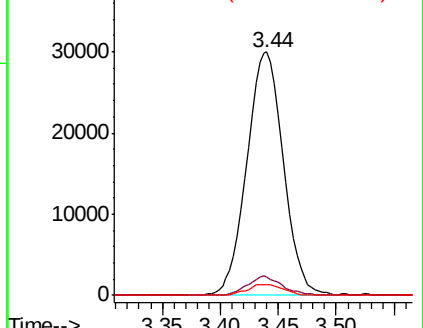
100 4.3 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VU029673.D (-706) (-)

Ion 98.00 (97.70 to 98.70): VU029673.D (-706) (-)

Ion 100.00 (99.70 to 100.70): VU029673.D (-706) (-)



#18

2-Butanone

Concen: 9.826 ug/l

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU029673.D

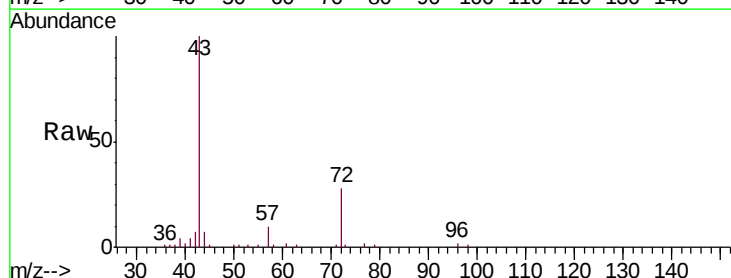
Acq: 26 Feb 2019 11:14

Tgt Ion: 43 Resp: 41300

Ion Ratio Lower Upper

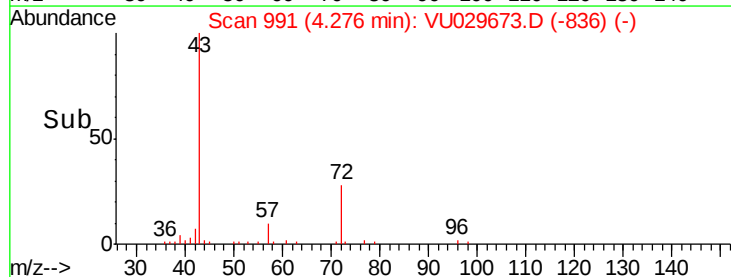
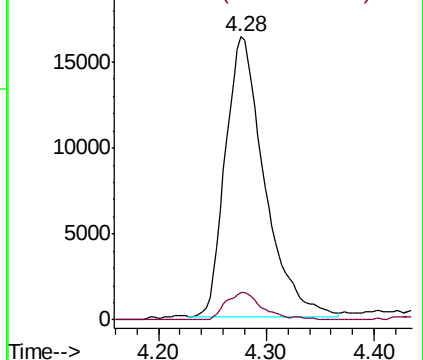
43 100

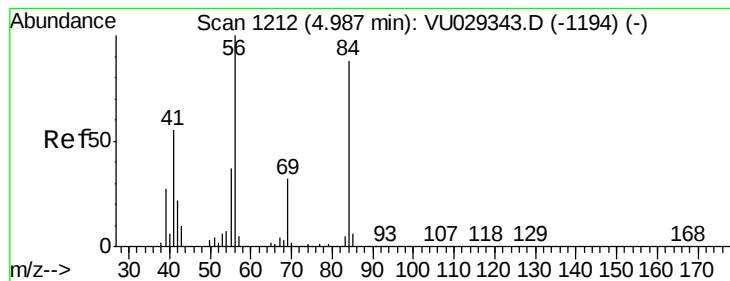
57 9.7 0.0 15.8



Abundance Ion 43.00 (42.70 to 43.70): VU029673.D (-836) (-)

Ion 57.00 (56.70 to 57.70): VU029673.D (-836) (-)





#19

Cyclohexane

Concen: 1.474 ug/l

RT: 4.99 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0226WBS01

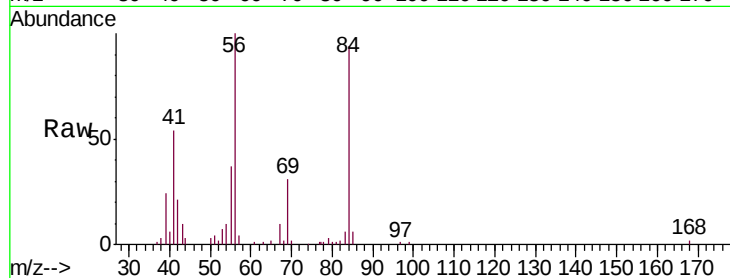
Tgt Ion: 56 Resp: 42166

Ion Ratio Lower Upper

56 100

69 38.1 26.8 40.2

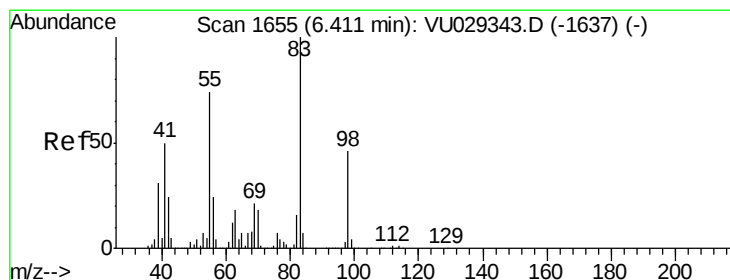
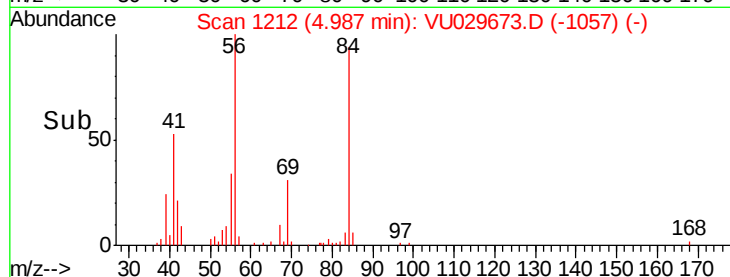
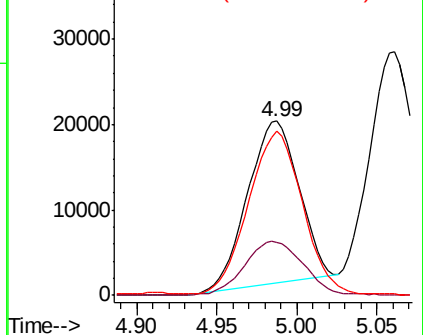
84 104.3 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#20

Methylcyclohexane

Concen: 1.886 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

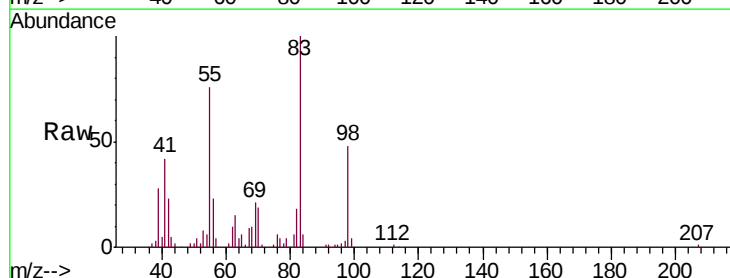
Tgt Ion: 83 Resp: 56669

Ion Ratio Lower Upper

83 100

55 71.4 72.4 108.6#

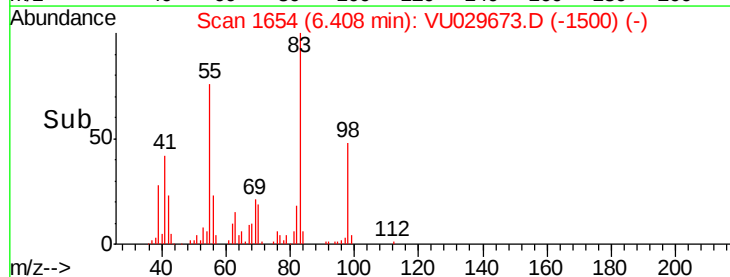
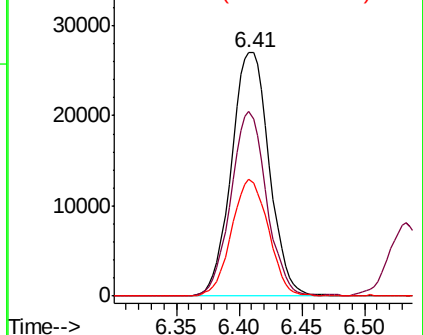
98 46.7 36.6 54.8

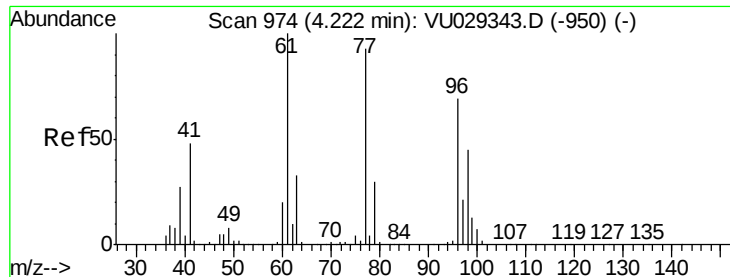


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 1.777 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

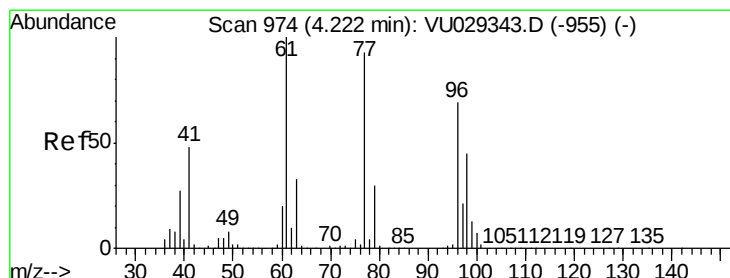
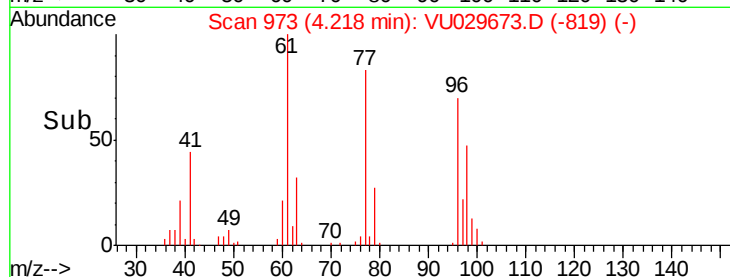
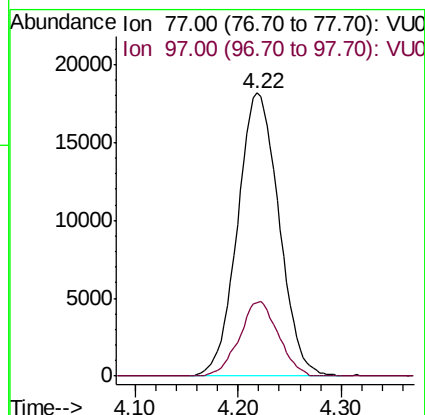
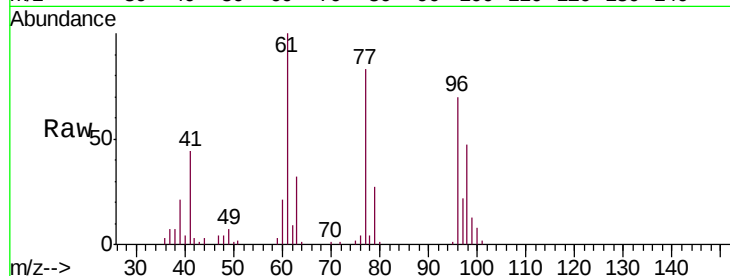
VU0226WBS01

Tgt Ion: 77 Resp: 50750

Ion Ratio Lower Upper

77 100

97 24.7 15.6 23.4#



#22

cis-1,2-Dichloroethene

Concen: 2.109 ug/l

RT: 4.22 min Scan# 974

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

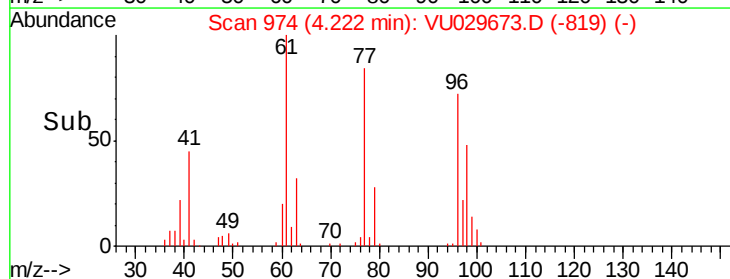
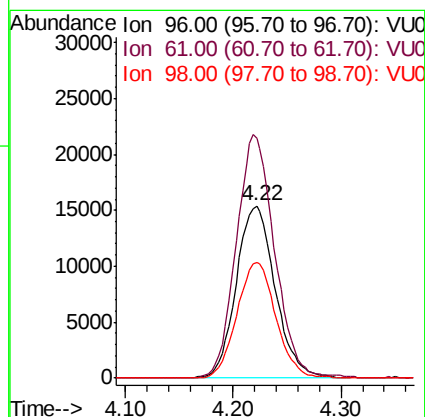
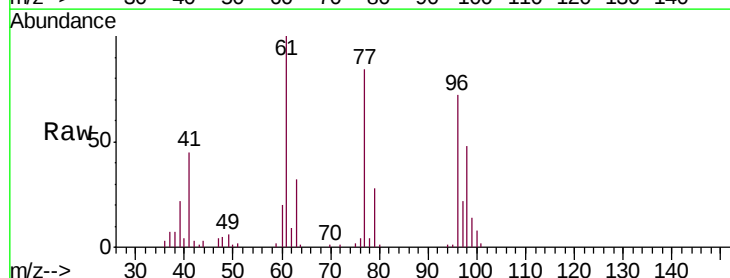
Tgt Ion: 96 Resp: 38674

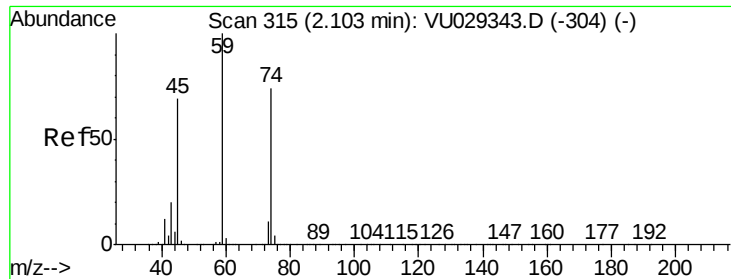
Ion Ratio Lower Upper

96 100

61 139.3 0.0 460.0

98 67.1 32.6 97.7

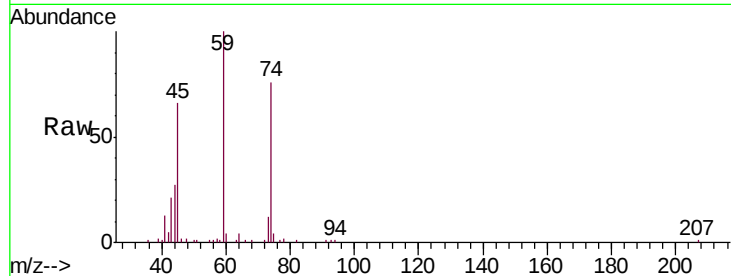




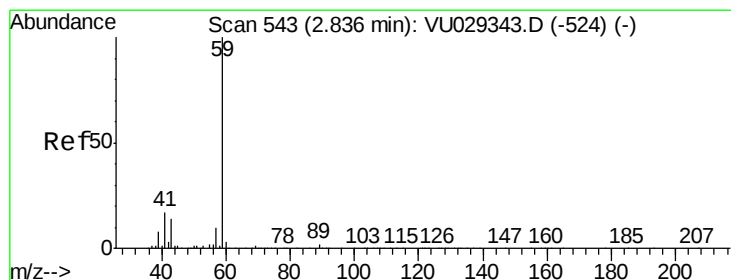
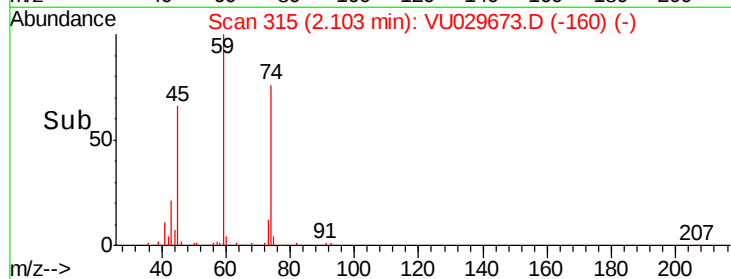
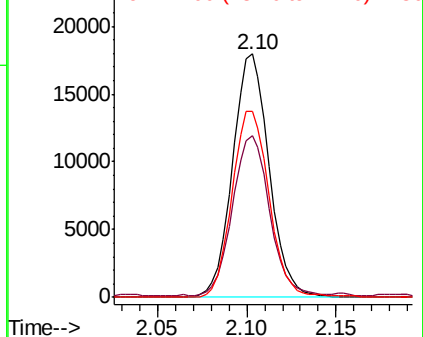
#23  
Diethyl Ether  
Concen: 1.834 ug/l  
RT: 2.10 min Scan# 315  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

Tgt Ion: 59 Resp: 25642  
Ion Ratio Lower Upper  
59 100  
45 66.5 64.2 96.4  
74 77.9 55.3 82.9

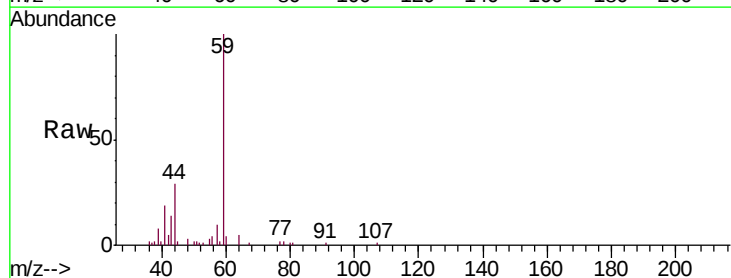


Abundance Ion 59.00 (58.70 to 59.70): VU0  
Ion 45.00 (44.70 to 45.70): VU0  
Ion 74.00 (73.70 to 74.70): VU0

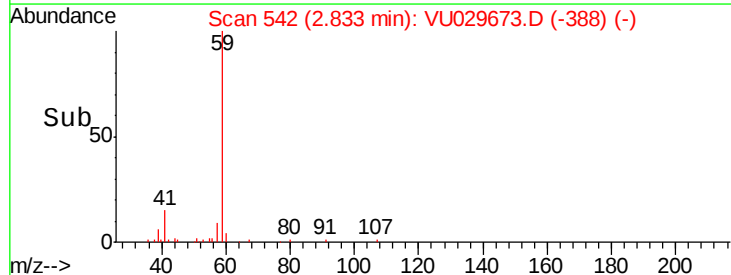
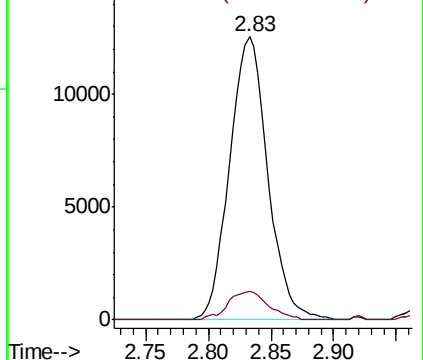


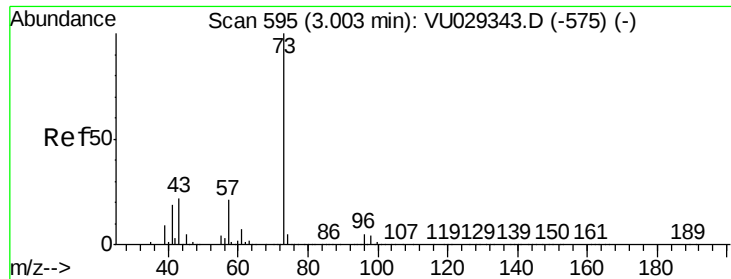
#24  
tert-Butyl Alcohol  
Concen: 18.280 ug/l  
RT: 2.83 min Scan# 542  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion: 59 Resp: 26559  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.8 13.2



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: 1.822 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

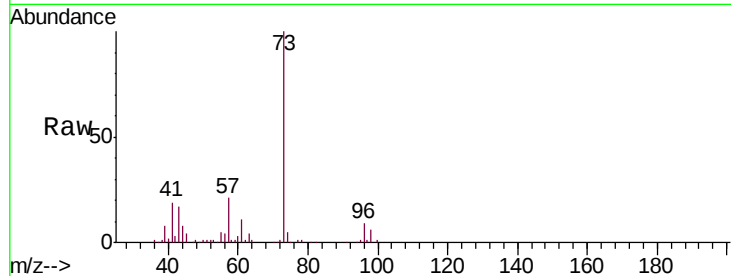
VU0226WBS01

Tgt Ion: 73 Resp: 89326

Ion Ratio Lower Upper

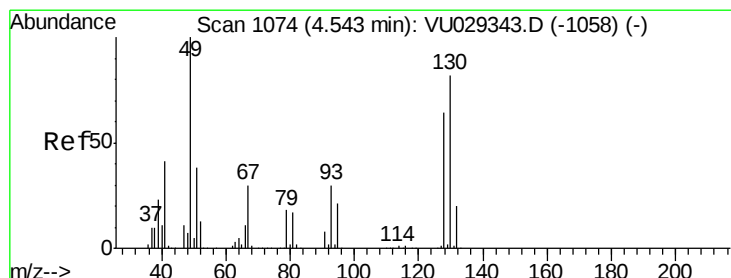
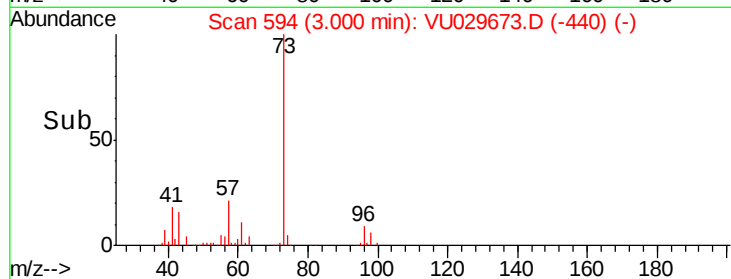
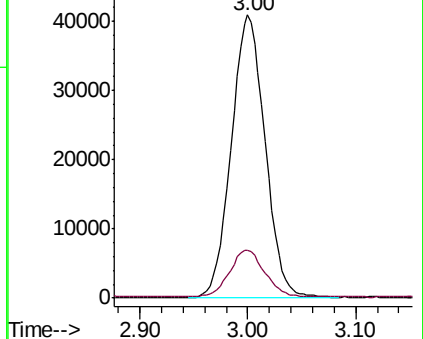
73 100

43 17.1 22.1 33.1#



Abundance Ion 73.00 (72.70 to 73.70): VU029673.D (-440) (-)

Ion 43.00 (42.70 to 43.70): VU029673.D (-440) (-)



#26

Bromochloromethane

Concen: 2.145 ug/l

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

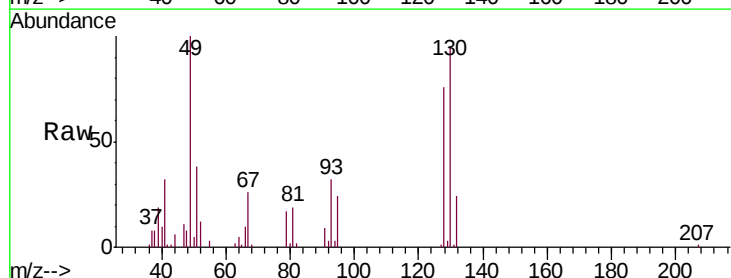
Tgt Ion: 128 Resp: 17380

Ion Ratio Lower Upper

128 100

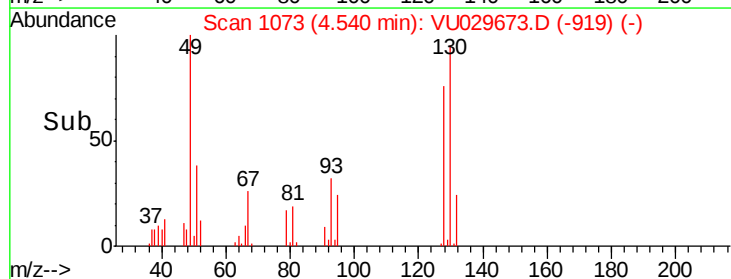
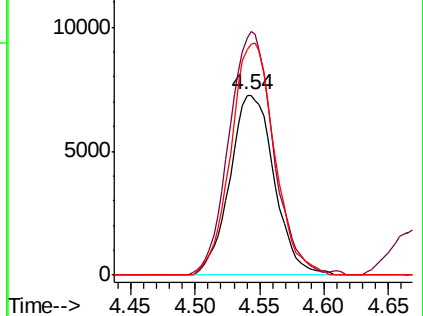
49 134.9 0.0 401.6

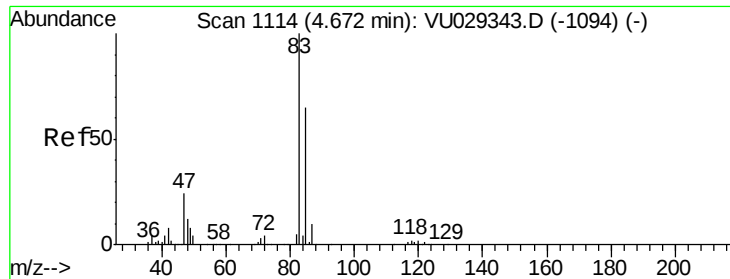
130 127.2 108.0 162.0



Abundance Ion 128.00 (127.70 to 128.70): VU029673.D (-919) (-)

Ion 49.00 (48.70 to 49.70): VU029673.D (-919) (-)

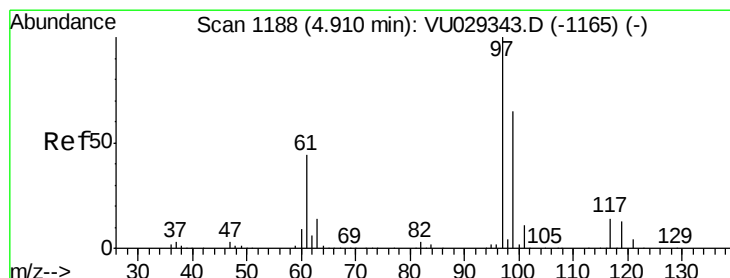
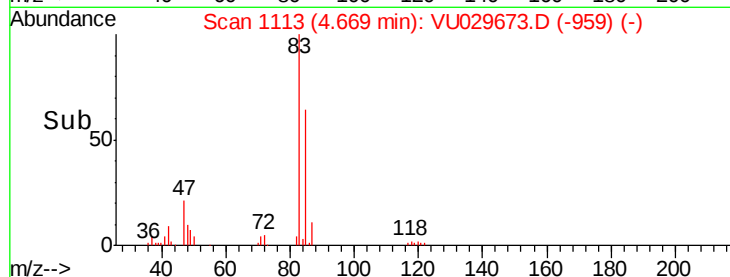
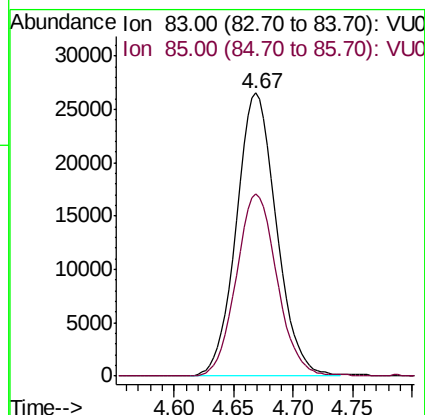
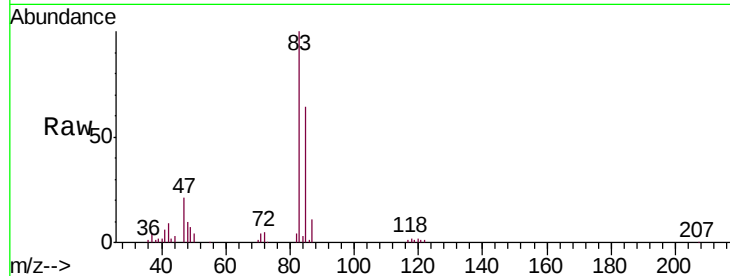




#27  
Chloroform  
Concen: 2.066 ug/l  
RT: 4.67 min Scan# 1113  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

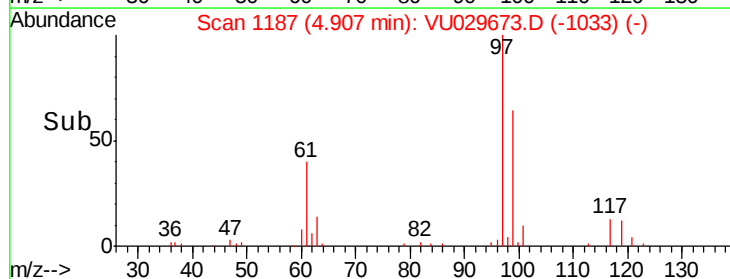
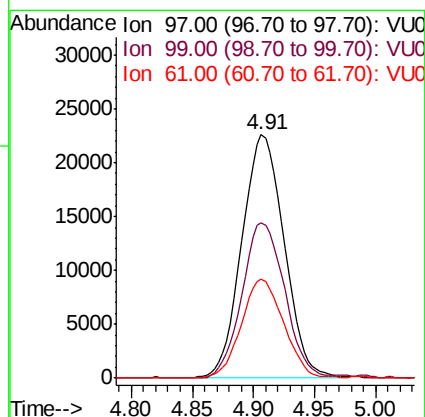
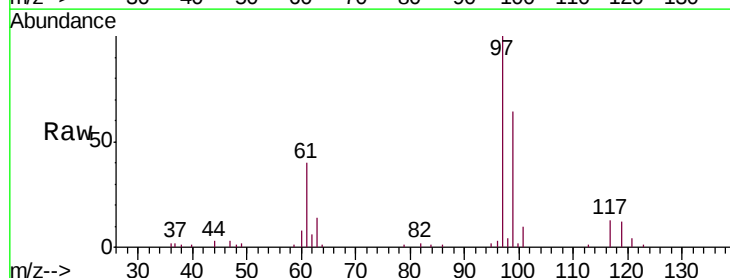
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

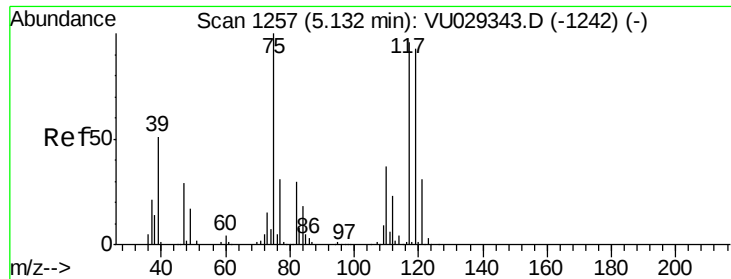
Tgt Ion: 83 Resp: 61990  
Ion Ratio Lower Upper  
83 100  
85 64.2 0.0 126.6



#28  
1,1,1-Trichloroethane  
Concen: 1.953 ug/l  
RT: 4.91 min Scan# 1187  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion: 97 Resp: 54319  
Ion Ratio Lower Upper  
97 100  
99 64.0 32.4 97.2  
61 40.4 24.4 73.2

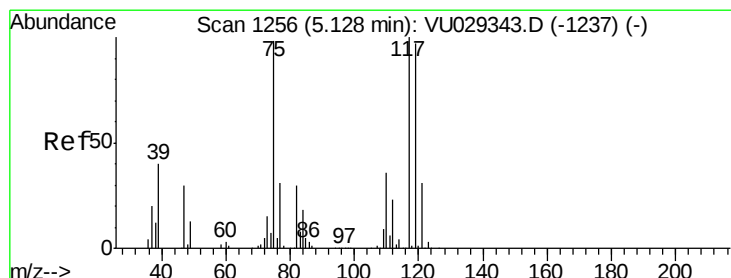
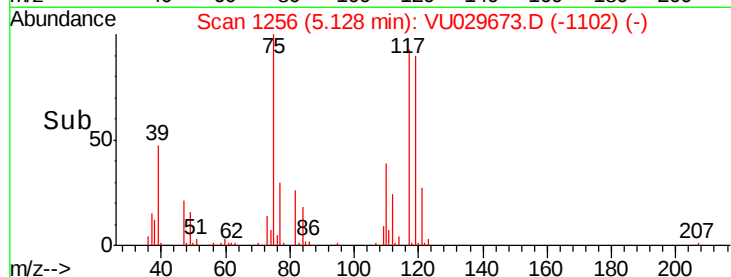
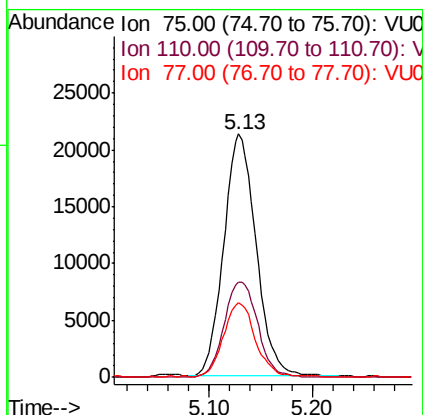
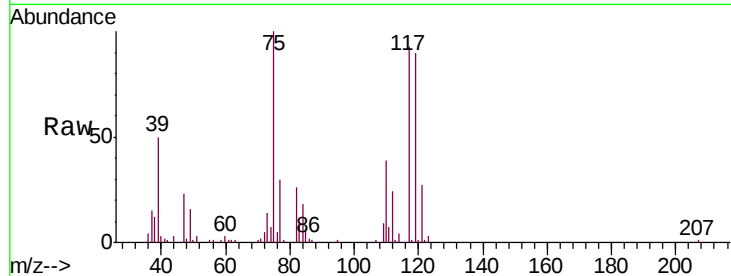




#29  
 1,1-Dichloropropene  
 Concen: 1.934 ug/l  
 RT: 5.13 min Scan# 1256  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

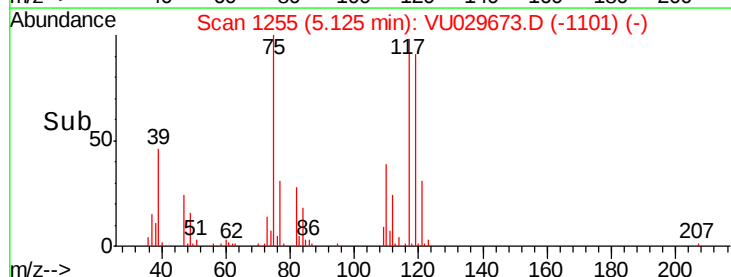
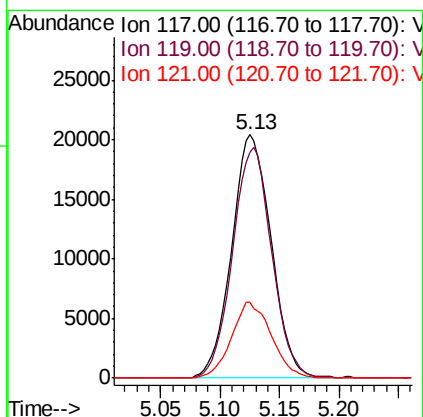
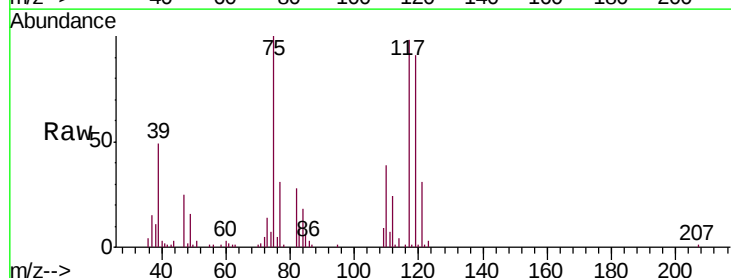
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

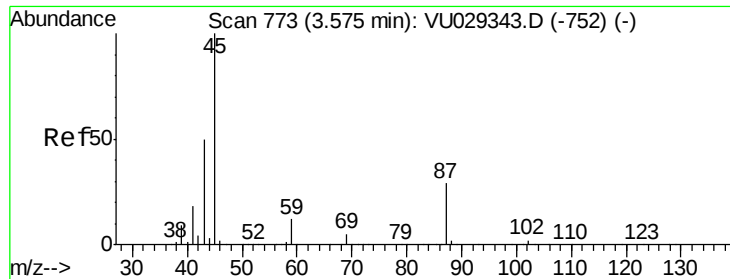
Tgt Ion: 75 Resp: 46699  
 Ion Ratio Lower Upper  
 75 100  
 110 40.7 15.4 46.2  
 77 30.3 24.1 36.1



#30  
 Carbon Tetrachloride  
 Concen: 1.862 ug/l  
 RT: 5.13 min Scan# 1255  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion: 117 Resp: 46887  
 Ion Ratio Lower Upper  
 117 100  
 119 92.8 76.8 115.2  
 121 31.2 24.4 36.6





#31

Isopropyl Ether

Concen: 1.886 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

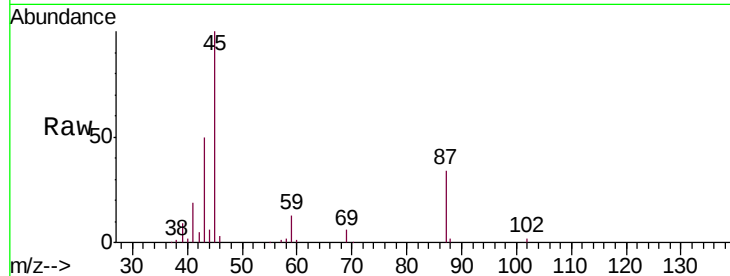
VU0226WBS01

Tgt Ion: 45 Resp: 87794

Ion Ratio Lower Upper

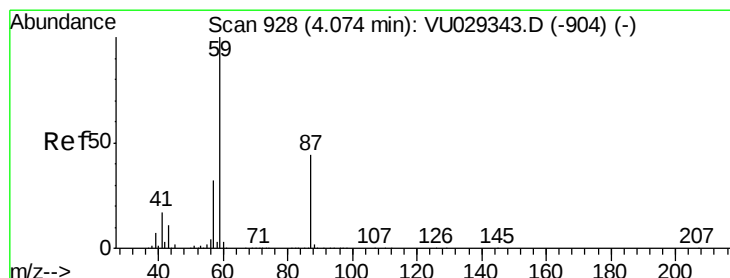
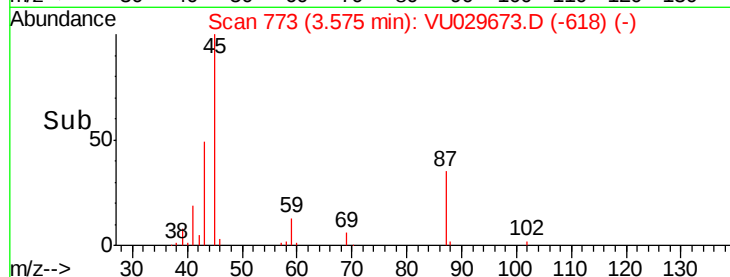
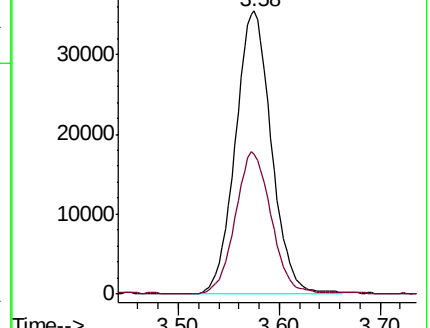
45 100

43 50.3 28.4 85.3



Abundance Ion 45.00 (44.70 to 45.70): VU029673.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029673.D (-752) (-)



#32

Ethyl-t-butyl ether

Concen: 1.907 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029673.D

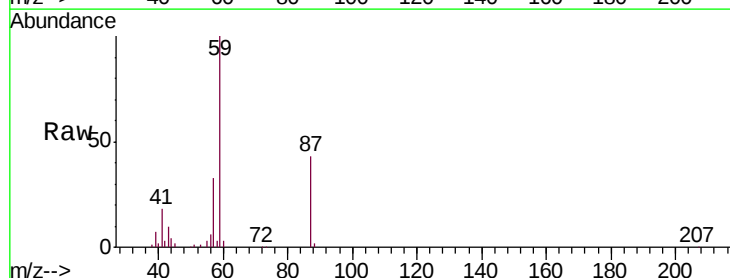
Acq: 26 Feb 2019 11:14

Tgt Ion: 59 Resp: 88961

Ion Ratio Lower Upper

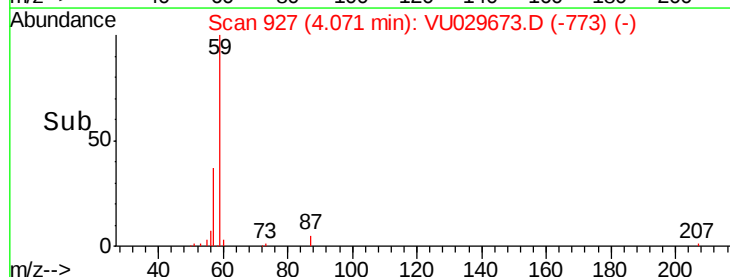
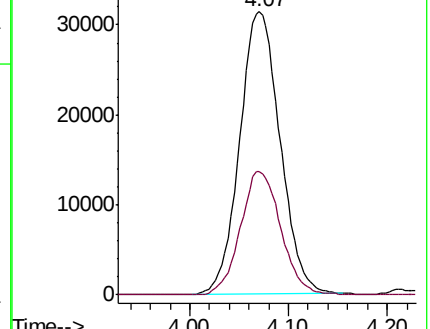
59 100

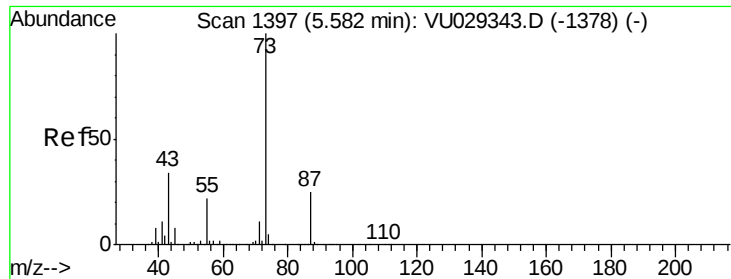
87 43.7 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU029673.D (-773) (-)

Ion 87.00 (86.70 to 87.70): VU029673.D (-773) (-)

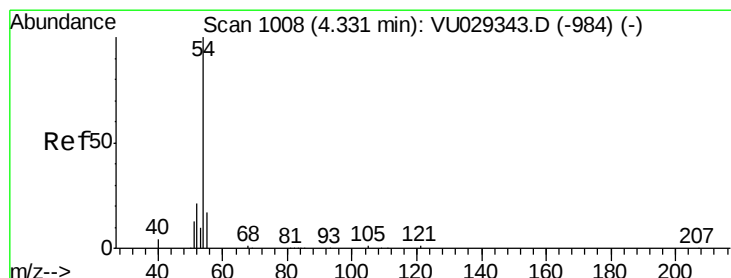
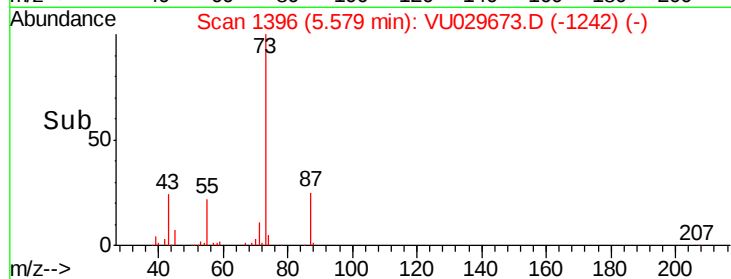
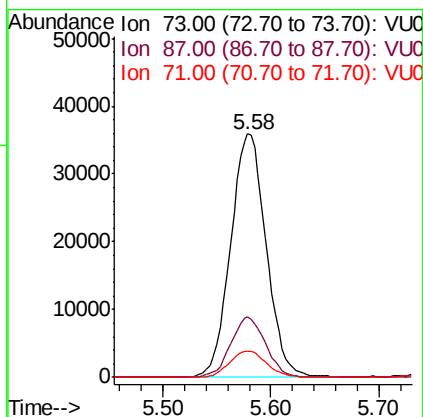
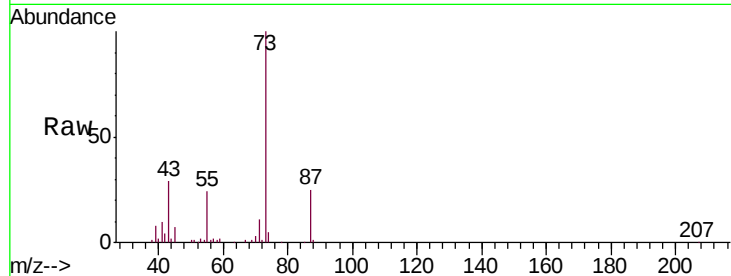




#33  
Tert-Amyl methyl ether  
Concen: 1.942 ug/l  
RT: 5.58 min Scan# 1396  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

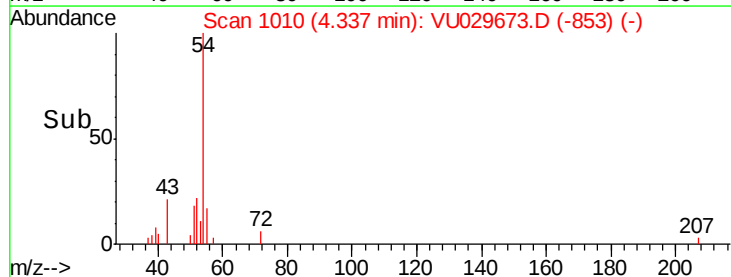
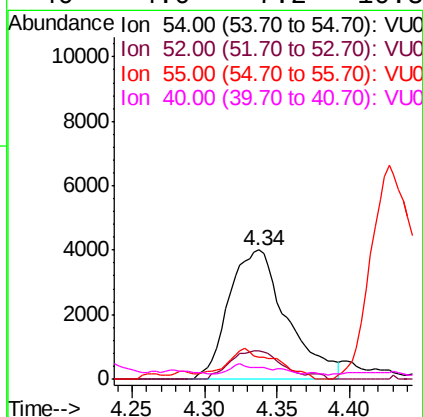
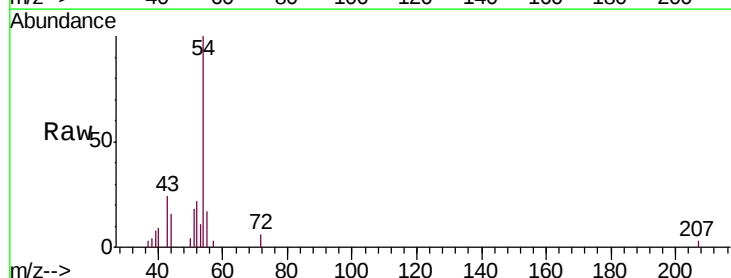
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

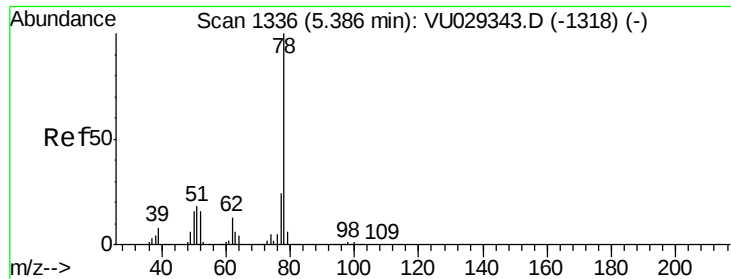
Tgt Ion: 73 Resp: 81907  
Ion Ratio Lower Upper  
73 100  
87 24.3 19.4 29.0  
71 11.3 9.0 13.4



#34  
Propionitrile  
Concen: 10.038 ug/l  
RT: 4.34 min Scan# 1010  
Delta R.T. 0.01 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion: 54 Resp: 11090  
Ion Ratio Lower Upper  
54 100  
52 18.8 18.9 28.3#  
55 20.5 15.1 22.7  
40 4.0 7.2 10.8#





#35

Benzene

Concen: 2.093 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

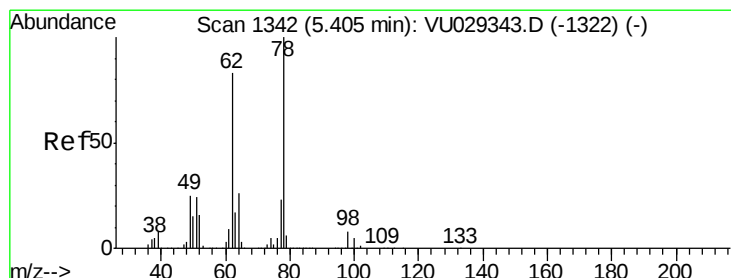
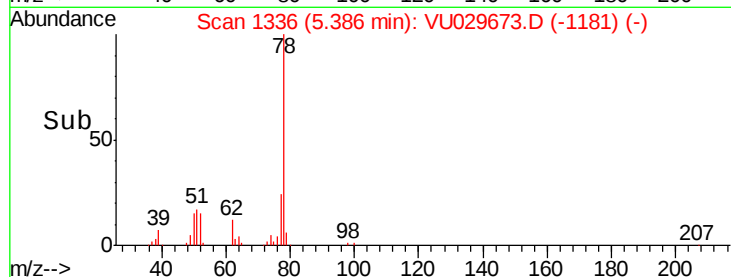
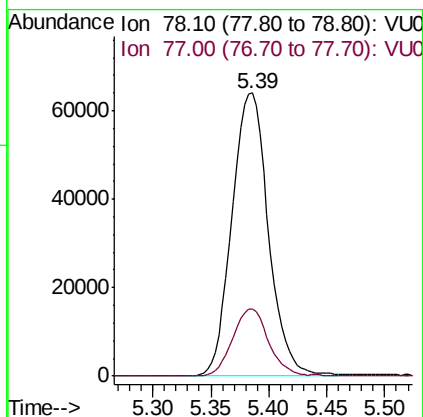
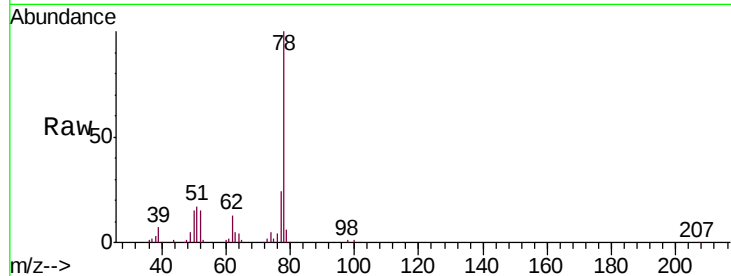
VU0226WBS01

Tgt Ion: 78 Resp: 139741

Ion Ratio Lower Upper

78 100

77 23.6 19.8 29.8



#36

1,2-Dichloroethane

Concen: 1.896 ug/l

RT: 5.40 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VU029673.D

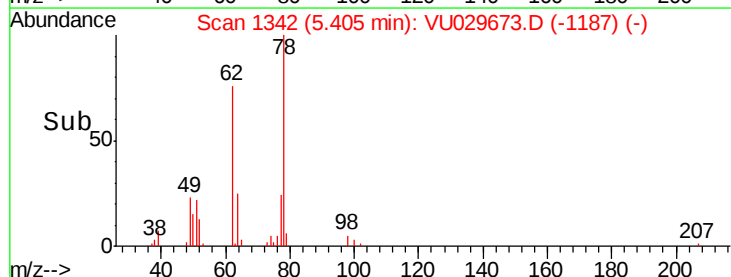
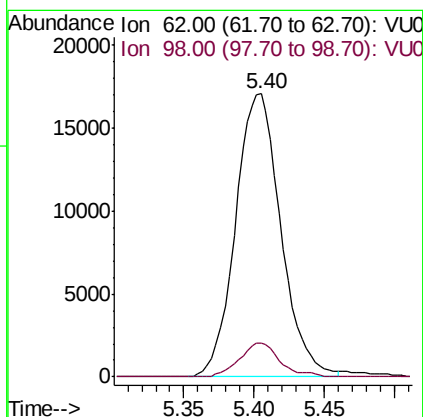
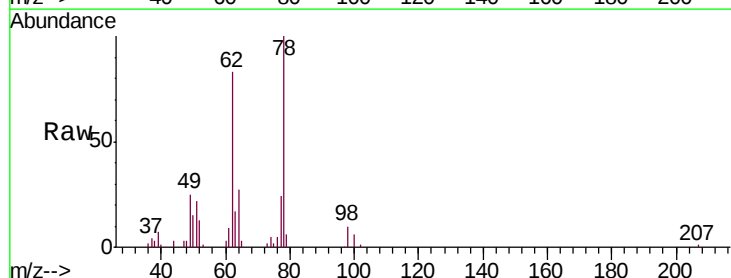
Acq: 26 Feb 2019 11:14

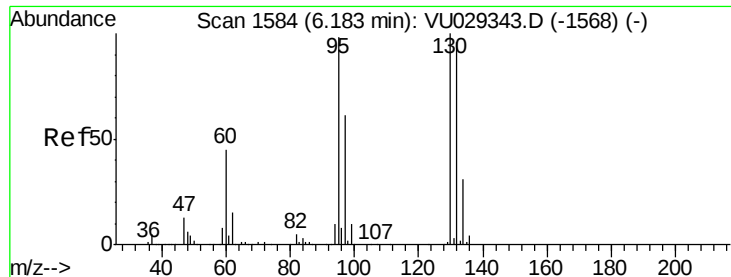
Tgt Ion: 62 Resp: 38292

Ion Ratio Lower Upper

62 100

98 10.7 4.9 7.3#

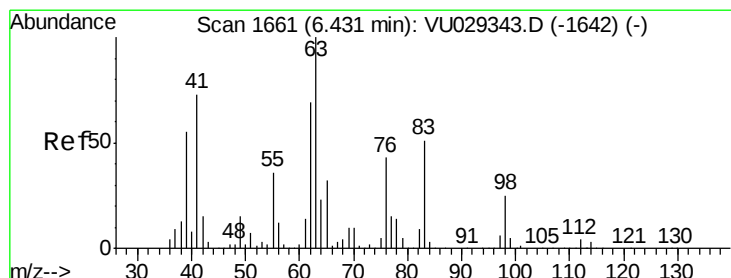
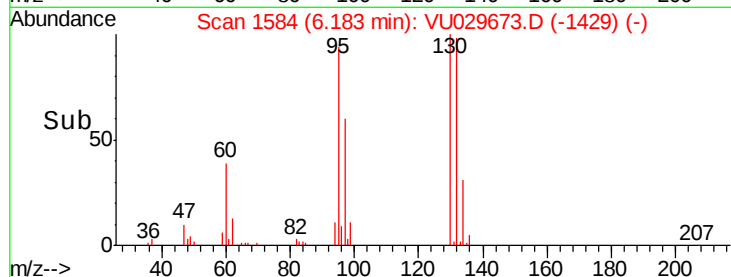
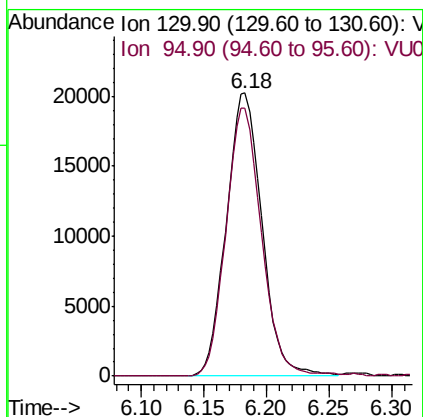
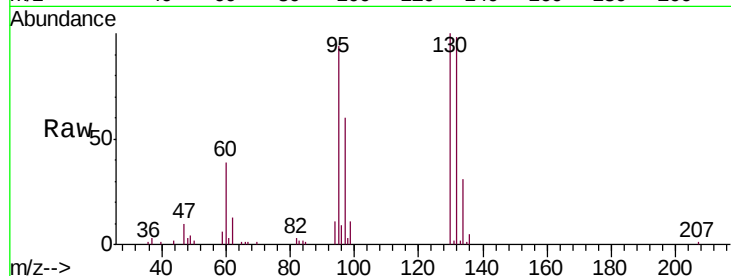




#37  
 Trichloroethene  
 Concen: 2.091 ug/l  
 RT: 6.18 min Scan# 1584  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

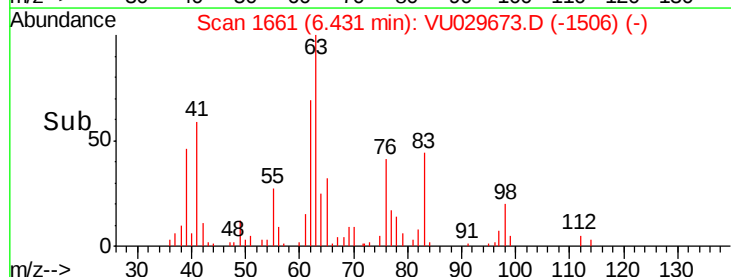
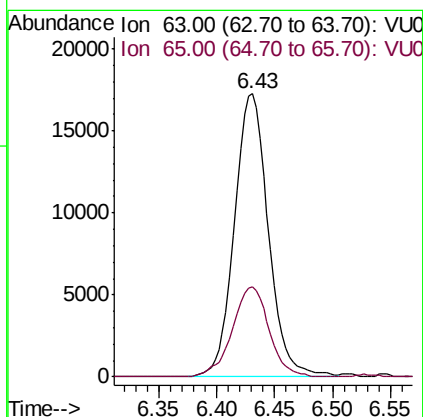
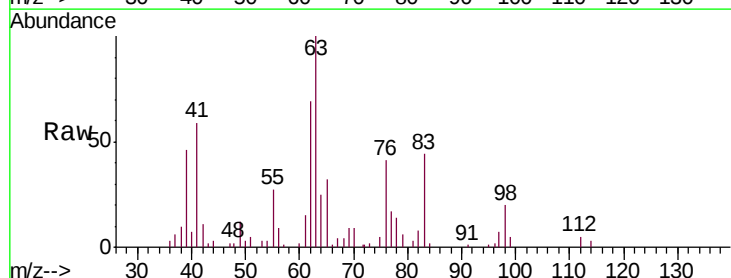
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

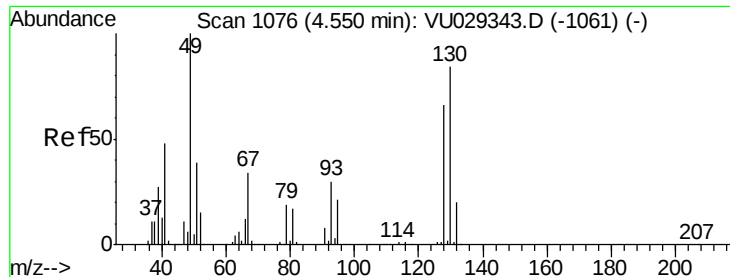
Tgt Ion: 130 Resp: 40058  
 Ion Ratio Lower Upper  
 130 100  
 95 94.5 85.4 128.0



#38  
 1,2-Dichloropropane  
 Concen: 2.018 ug/l  
 RT: 6.43 min Scan# 1661  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion: 63 Resp: 35041  
 Ion Ratio Lower Upper  
 63 100  
 65 31.7 25.5 38.3

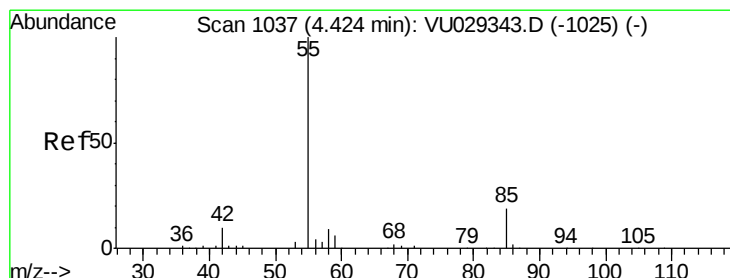
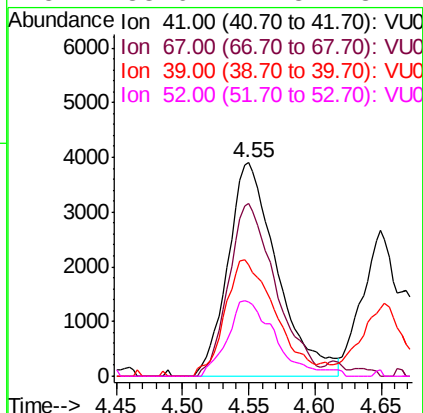
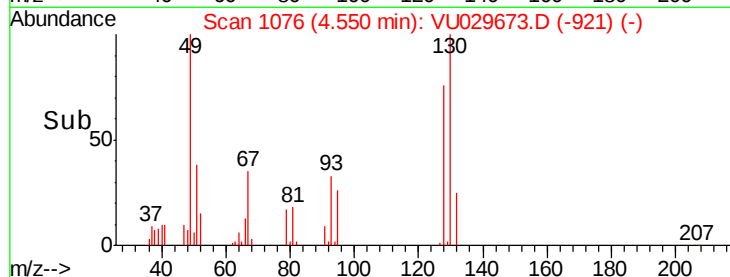
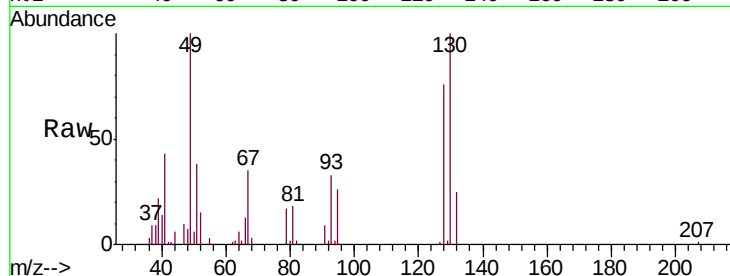




#39  
Methacrylonitrile  
Concen: 1.787 ug/l  
RT: 4.55 min Scan# 1076  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

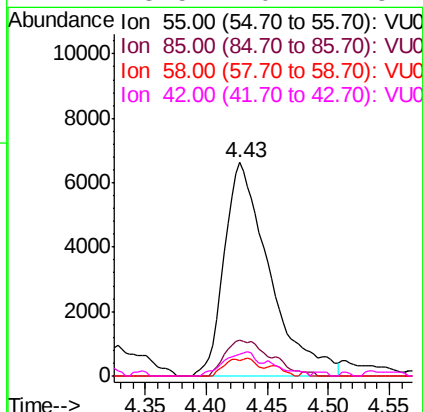
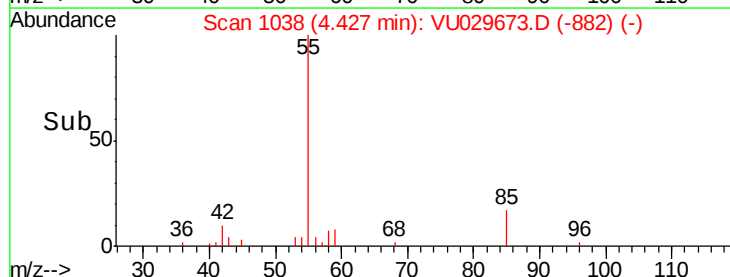
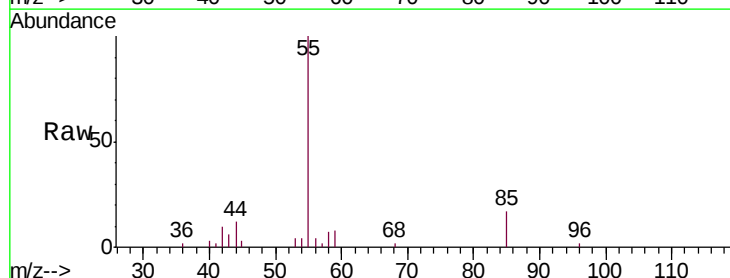
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

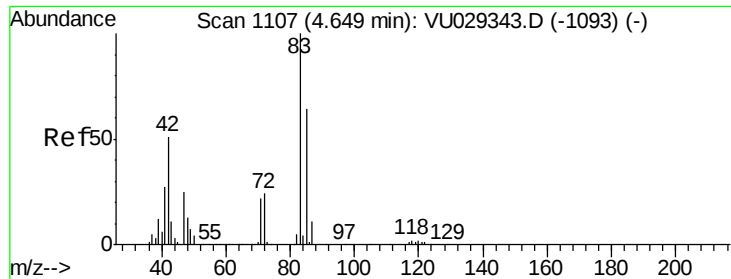
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 67      | 77.1  | 50.1  | 75.1# |
| 39      | 55.2  | 47.9  | 71.9  |
| 52      | 33.6  | 24.8  | 37.2  |



#40  
Methyl acrylate  
Concen: 1.998 ug/l  
RT: 4.43 min Scan# 1038  
Delta R.T. 0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 55      | 100   |       |       |
| 85      | 17.3  | 11.3  | 16.9# |
| 58      | 3.0   | 6.2   | 9.4#  |
| 42      | 8.5   | 10.1  | 15.1# |

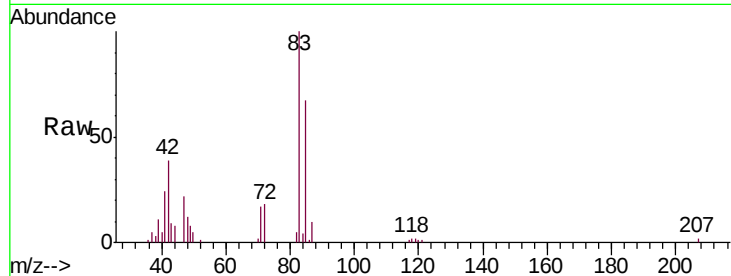




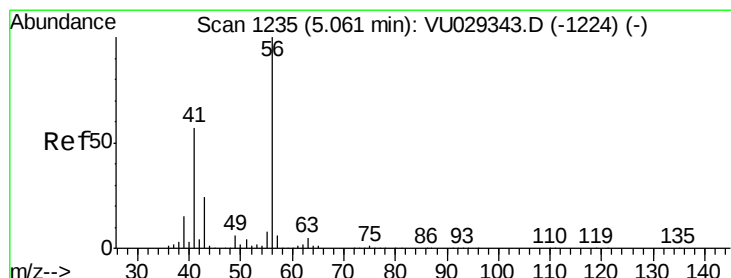
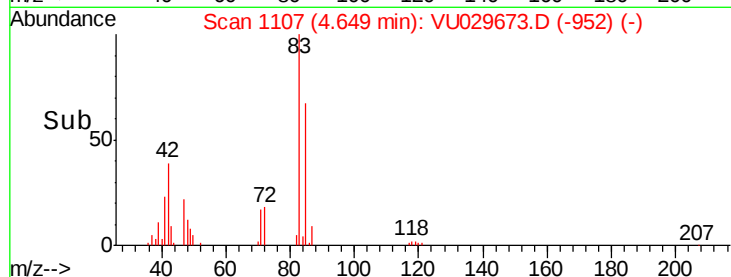
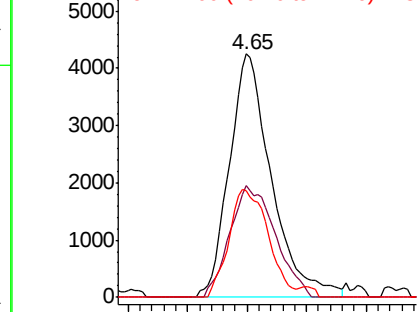
#41  
Tetrahydrofuran  
Concen: 3.656 ug/l  
RT: 4.65 min Scan# 1107  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

Tgt Ion: 42 Resp: 10420  
Ion Ratio Lower Upper  
42 100  
72 49.4 33.1 49.7  
71 41.3 30.2 45.2

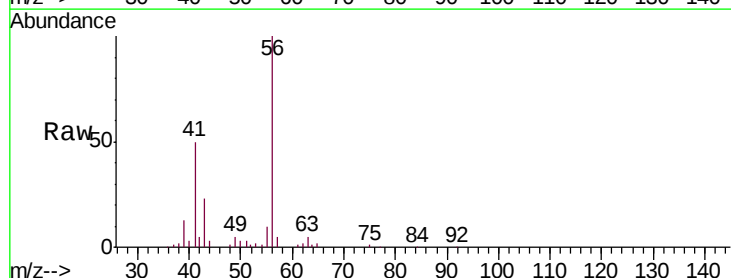


Abundance Ion 42.00 (41.70 to 42.70): VU0  
Ion 72.00 (71.70 to 72.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0

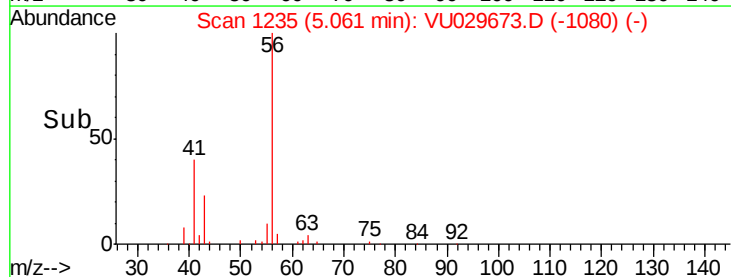
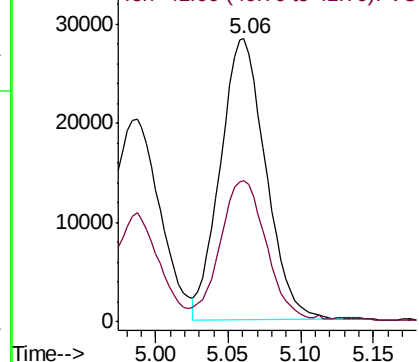


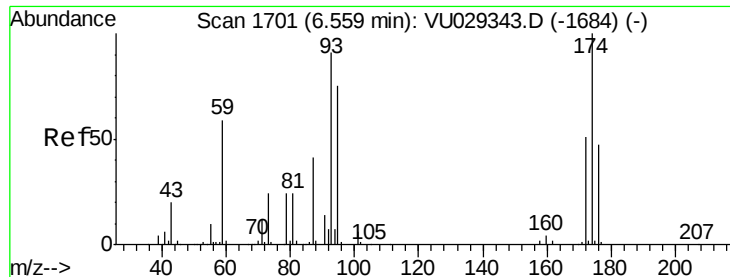
#42  
1-Chlorobutane  
Concen: 1.909 ug/l  
RT: 5.06 min Scan# 1235  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion: 56 Resp: 61747  
Ion Ratio Lower Upper  
56 100  
41 51.0 31.3 93.8



Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 2.036 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0226WBS01

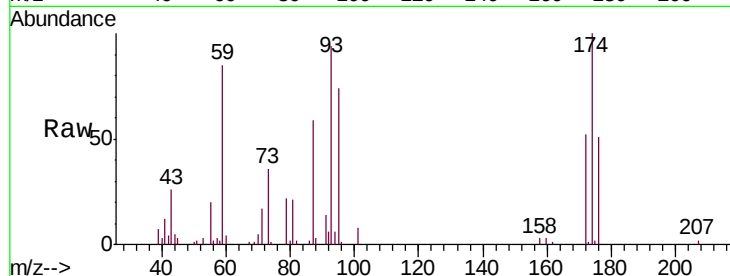
Tgt Ion: 93 Resp: 18839

Ion Ratio Lower Upper

93 100

95 79.5 68.2 102.2

174 110.8 77.6 116.4

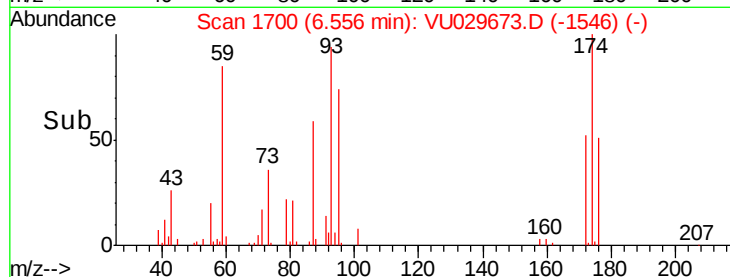


Abundance Ion 93.00 (92.70 to 93.70): VU029673.D (-1684) (-)

Ion 95.00 (94.70 to 95.70): VU029673.D (-1684) (-)

Ion 174.00 (173.70 to 174.70): VU029673.D (-1684) (-)

Time-->



Time-->

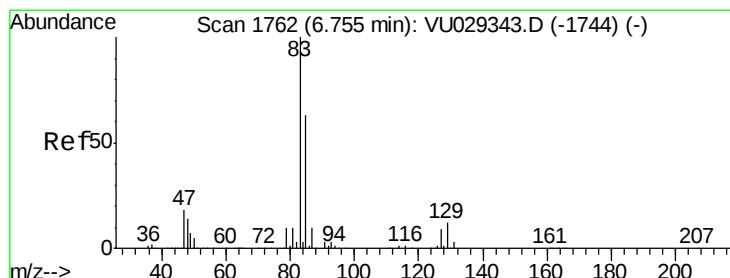
6.56

10000

5000

0

6.50 6.55 6.60 6.65



#44

Bromodichloromethane

Concen: 1.859 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

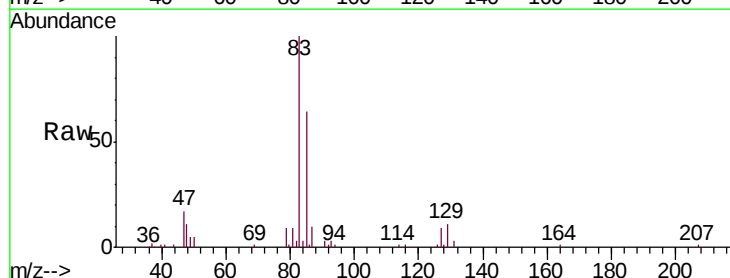
Tgt Ion: 83 Resp: 43832

Ion Ratio Lower Upper

83 100

85 63.8 49.2 73.8

127 8.6 7.0 10.6

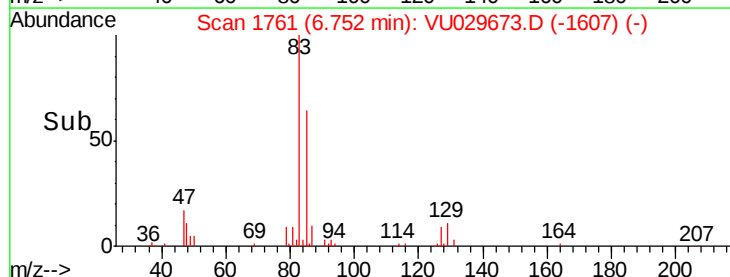


Abundance Ion 83.00 (82.70 to 83.70): VU029673.D (-1607) (-)

Ion 85.00 (84.70 to 85.70): VU029673.D (-1607) (-)

Ion 127.00 (126.70 to 127.70): VU029673.D (-1607) (-)

Time-->



Time-->

6.75

30000

25000

20000

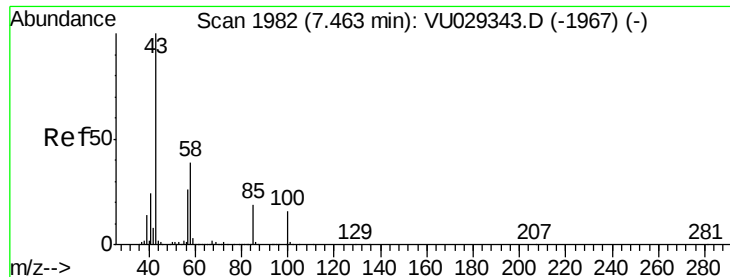
15000

10000

5000

0

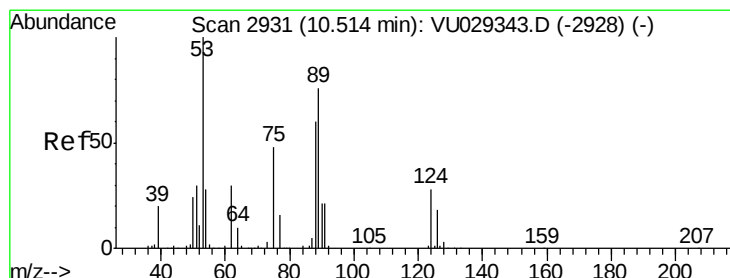
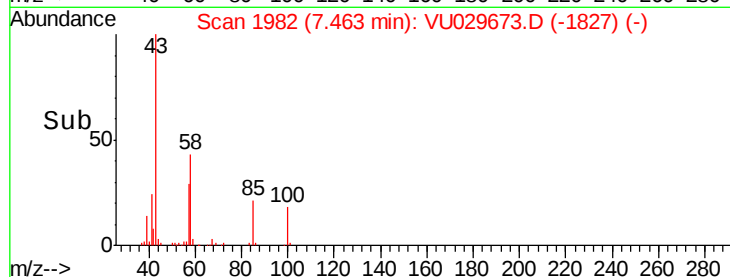
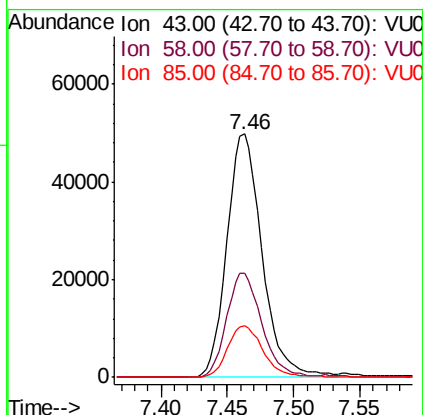
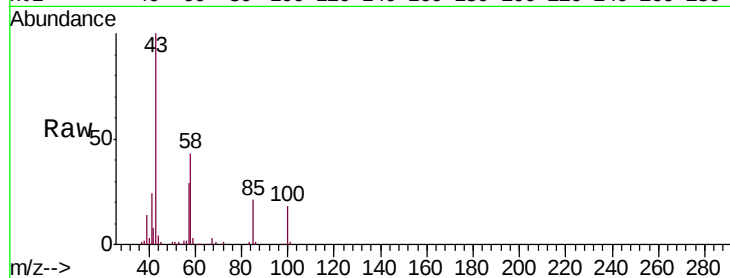
6.70 6.75 6.80



#45  
4-Methyl-2-Pentanone  
Concen: 8.504 ug/l  
RT: 7.46 min Scan# 1982  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

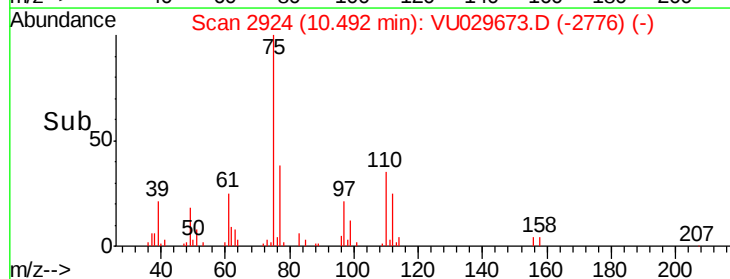
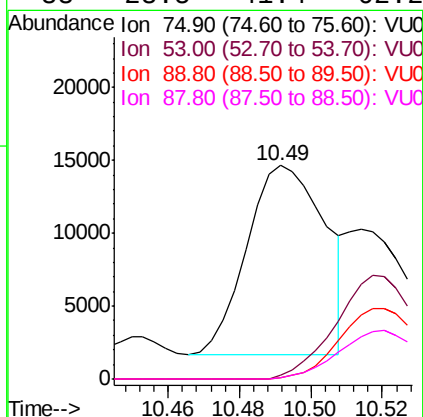
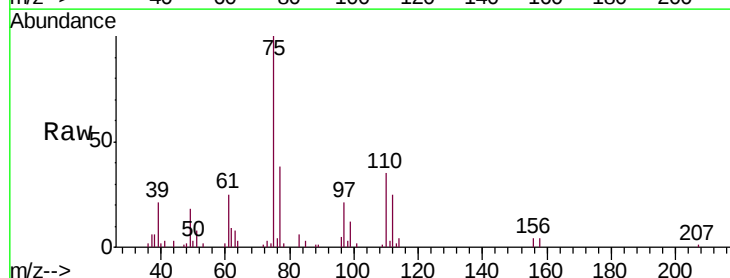
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

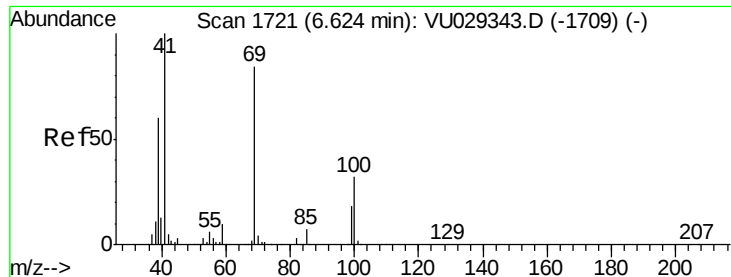
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 42.5  | 17.6  | 52.8  |
| 85      | 21.5  | 12.3  | 18.5# |



#46  
t-1,4-Dichloro-2-butene  
Concen: 3.723 ug/l  
RT: 10.49 min Scan# 2924  
Delta R.T. -0.02 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 60.5  | 78.2  | 117.4# |
| 89      | 39.4  | 44.2  | 66.4#  |
| 88      | 28.5  | 41.4  | 62.2#  |

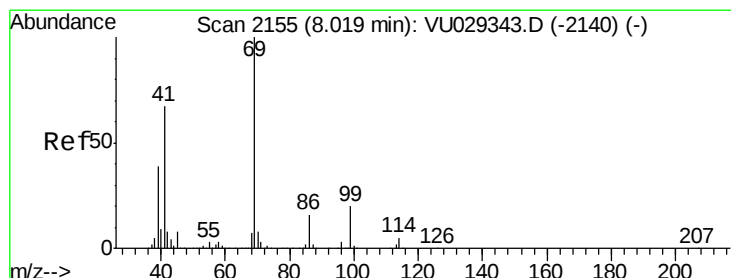
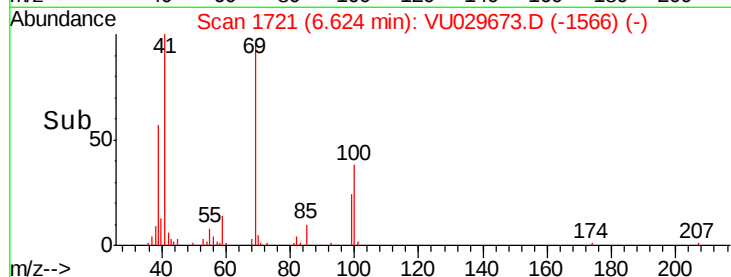
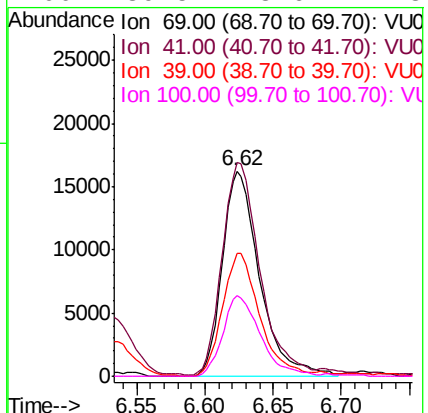
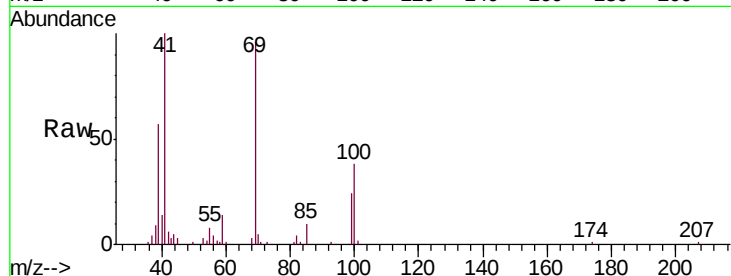




#47  
Methyl methacrylate  
Concen: 3.774 ug/l  
RT: 6.62 min Scan# 1721  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

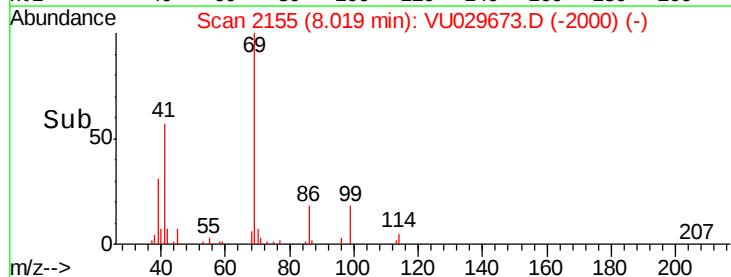
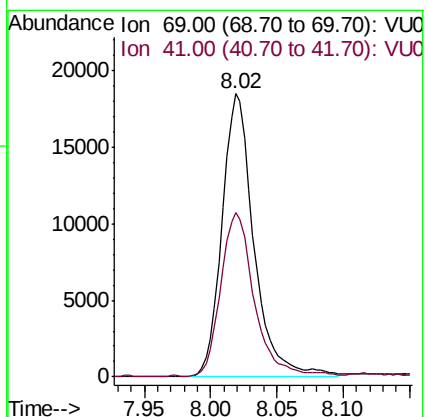
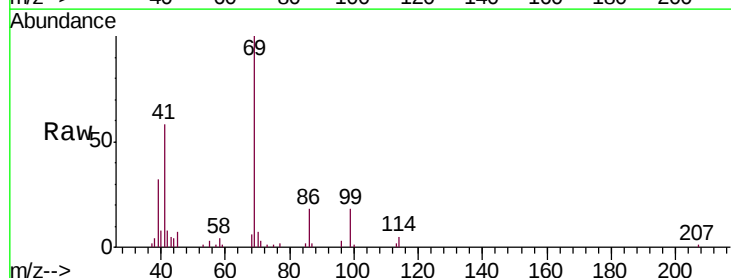
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

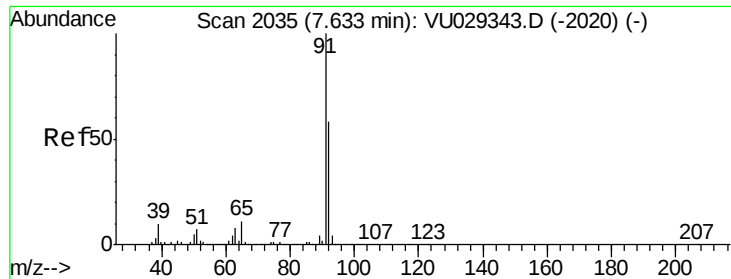
Tgt Ion: 69 Resp: 30729  
Ion Ratio Lower Upper  
69 100  
41 104.2 0.0 296.2  
39 59.9 71.2 106.8#  
100 39.5 28.6 42.8



#48  
Ethyl methacrylate  
Concen: 1.770 ug/l  
RT: 8.02 min Scan# 2155  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion: 69 Resp: 30929  
Ion Ratio Lower Upper  
69 100  
41 60.4 39.9 119.7





#49

Toluene

Concen: 2.038 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

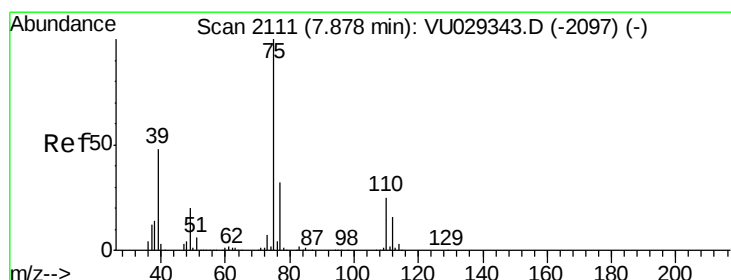
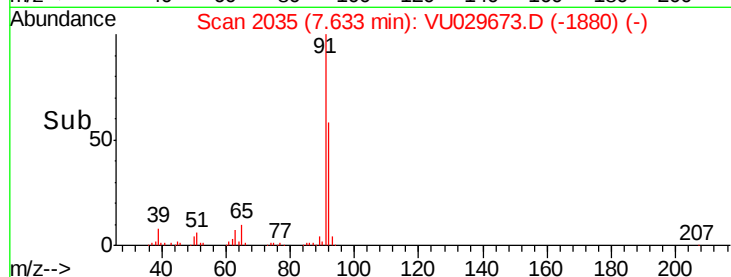
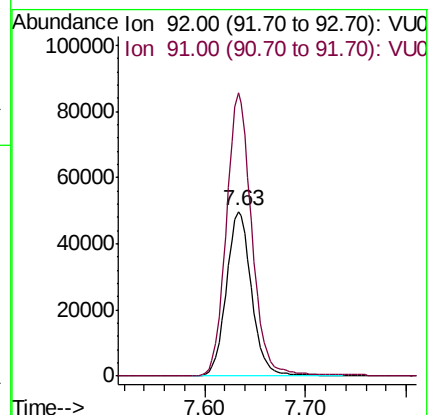
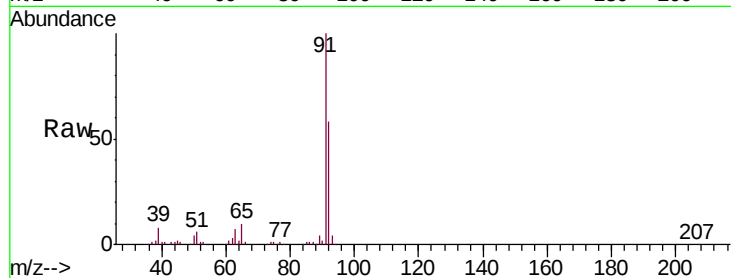
VU0226WBS01

Tgt Ion: 92 Resp: 87059

Ion Ratio Lower Upper

92 100

91 174.0 140.7 211.1



#50

t-1,3-Dichloropropene

Concen: 1.671 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029673.D

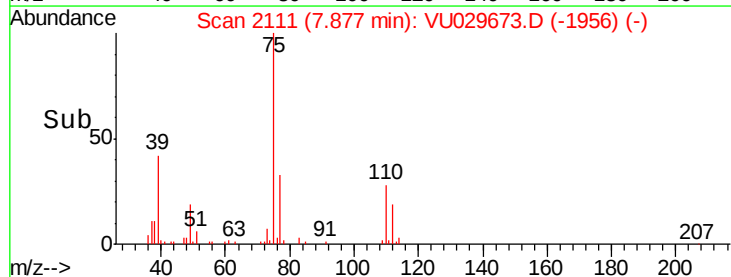
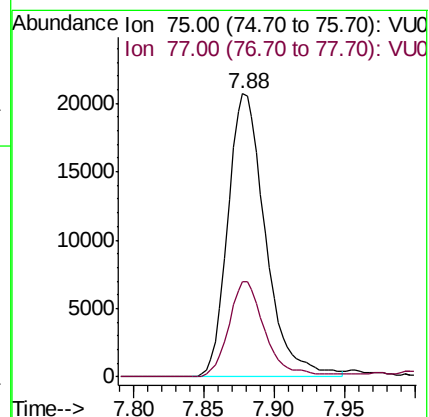
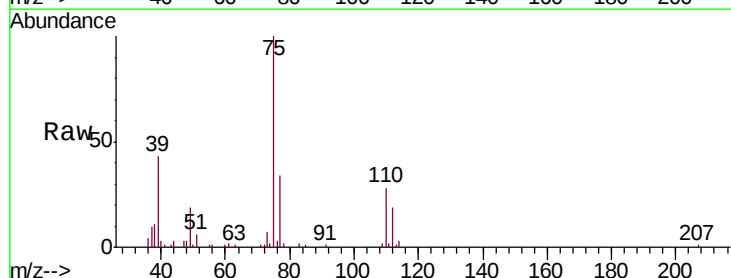
Acq: 26 Feb 2019 11:14

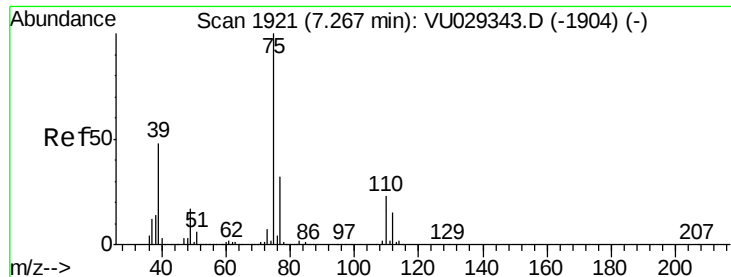
Tgt Ion: 75 Resp: 38617

Ion Ratio Lower Upper

75 100

77 33.6 23.6 35.4



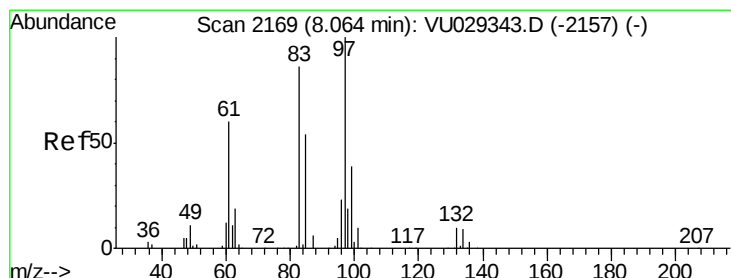
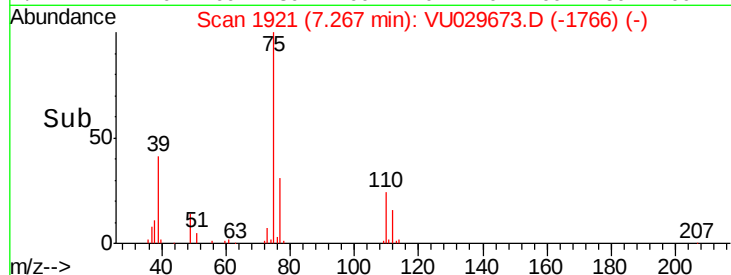
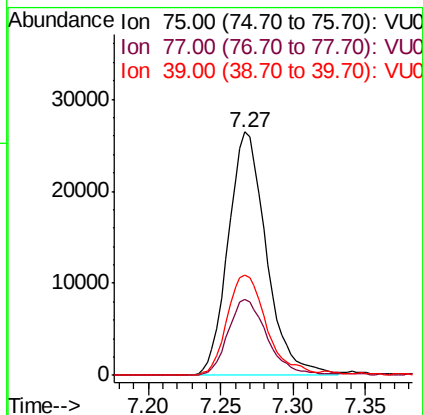
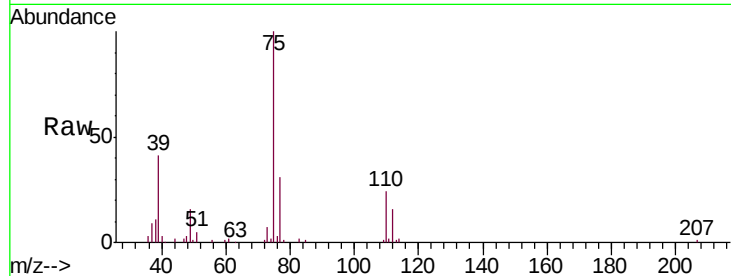


#51

cis-1,3-Dichloropropene  
Concen: 1.760 ug/l  
RT: 7.27 min Scan# 1921  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

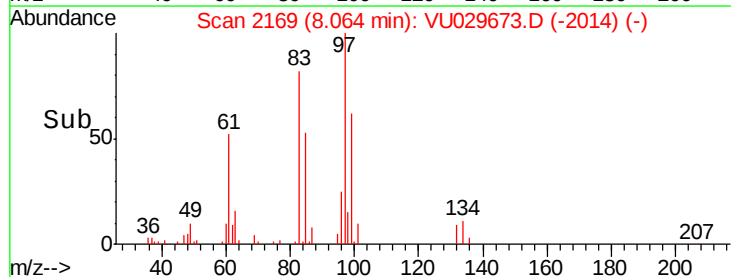
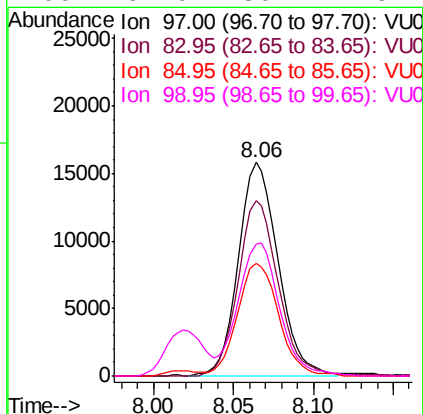
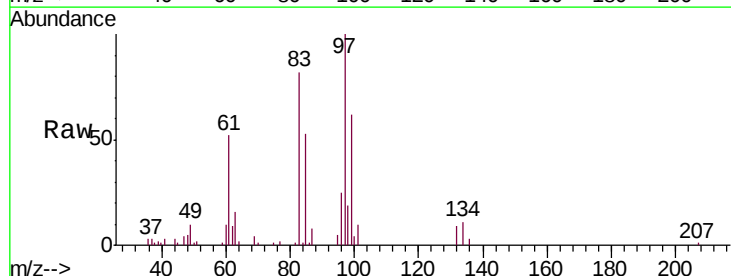
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.4  | 24.9  | 37.3  |
| 39      | 41.2  | 47.2  | 70.8# |

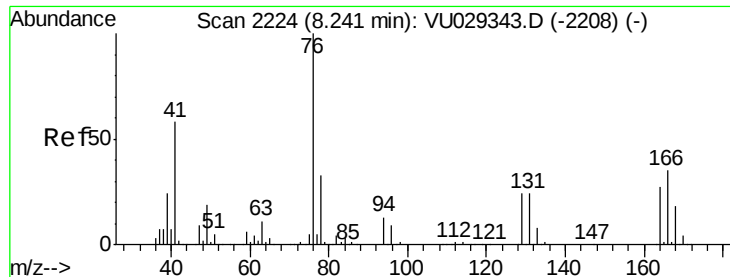


#52

1,1,2-Trichloroethane  
Concen: 2.184 ug/l  
RT: 8.06 min Scan# 2169  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 82.1  | 69.9  | 104.9 |
| 85      | 52.0  | 45.8  | 68.6  |
| 99      | 61.0  | 50.2  | 75.2  |

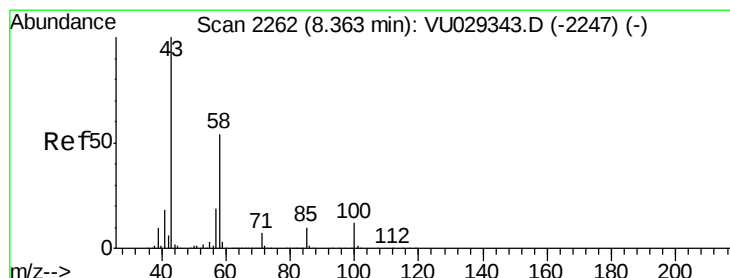
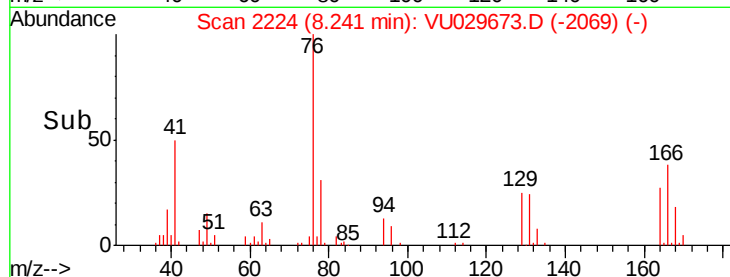
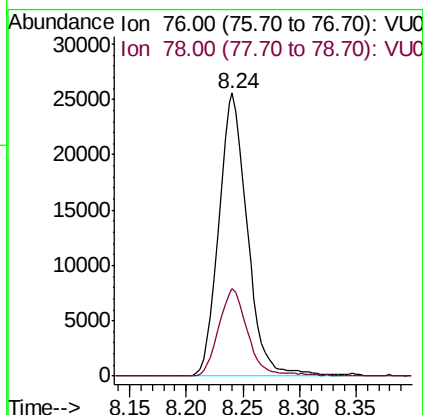
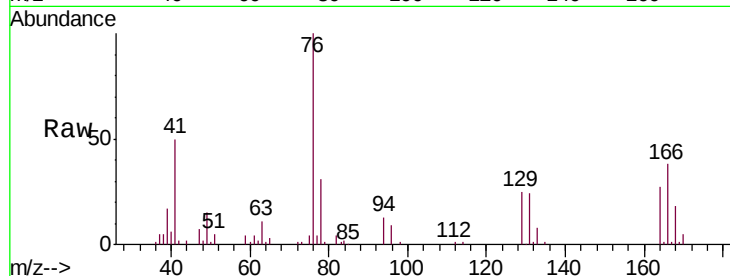




#53  
 1,3-Dichloropropane  
 Concen: 2.083 ug/l  
 RT: 8.24 min Scan# 2224  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

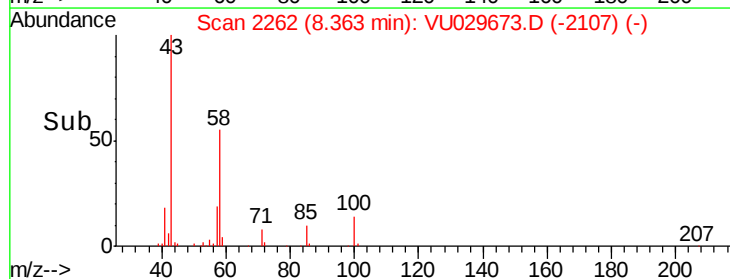
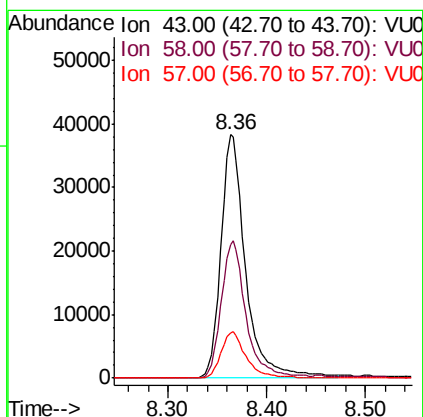
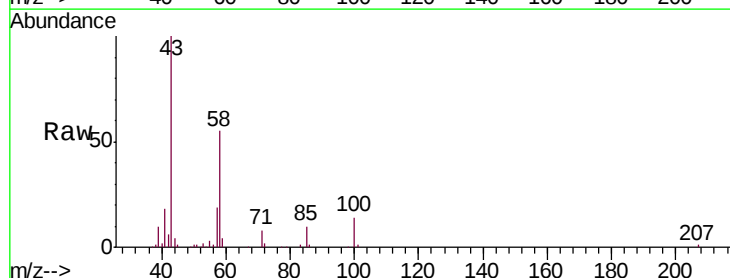
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

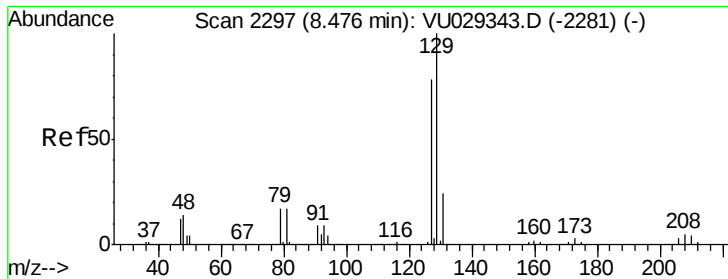
Tgt Ion: 76 Resp: 44826  
 Ion Ratio Lower Upper  
 76 100  
 78 31.4 26.3 39.5



#54  
 2-Hexanone  
 Concen: 8.875 ug/l  
 RT: 8.36 min Scan# 2262  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion: 43 Resp: 67488  
 Ion Ratio Lower Upper  
 43 100  
 58 56.7 26.0 66.0  
 57 18.9 0.0 37.7

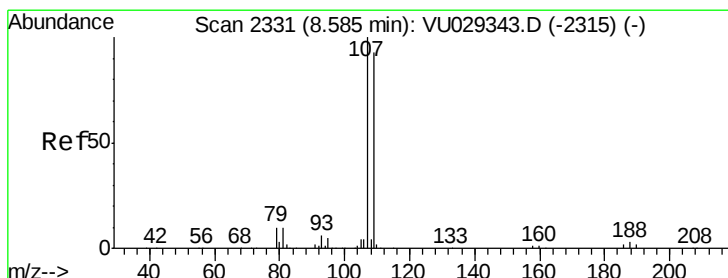
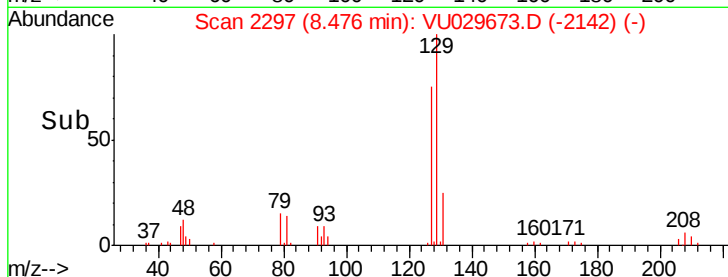
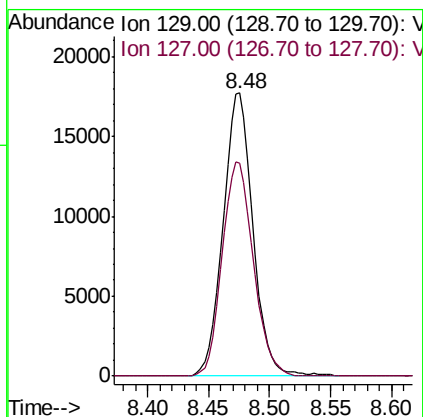
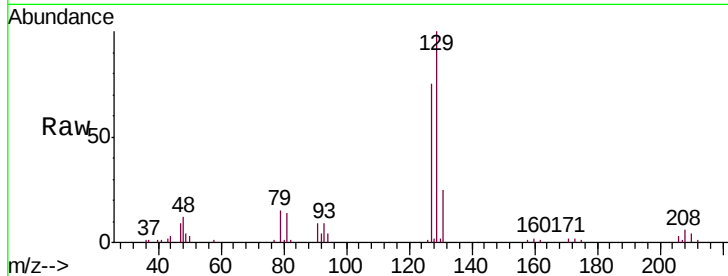




#55  
 Dibromochloromethane  
 Concen: 1.748 ug/l  
 RT: 8.48 min Scan# 2297  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

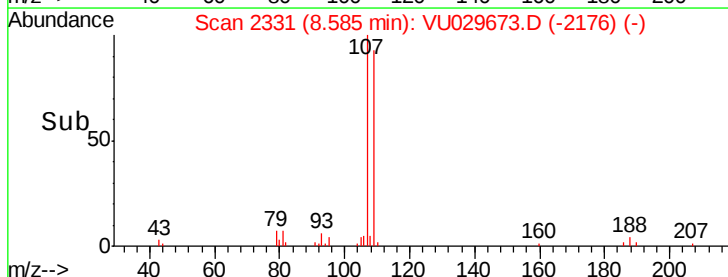
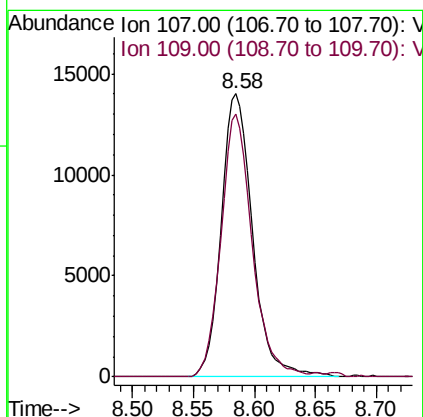
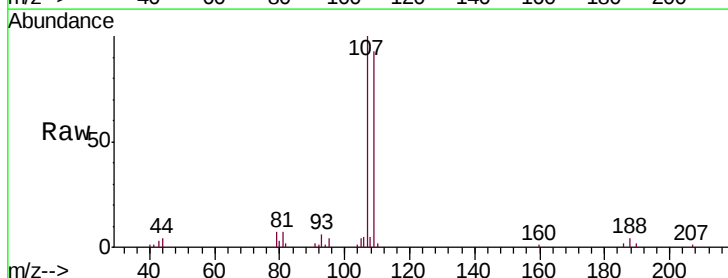
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

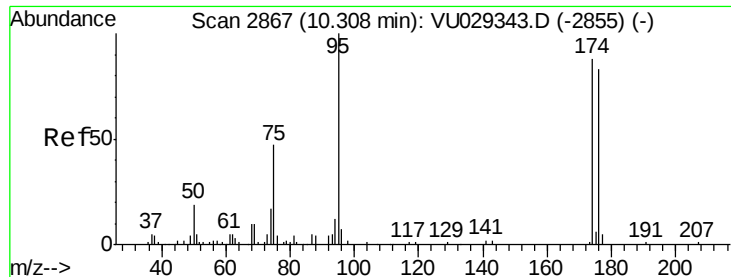
Tgt Ion:129 Resp: 30439  
 Ion Ratio Lower Upper  
 129 100  
 127 78.8 60.5 90.7



#56  
 1,2-Dibromoethane  
 Concen: 2.011 ug/l  
 RT: 8.58 min Scan# 2331  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion:107 Resp: 25273  
 Ion Ratio Lower Upper  
 107 100  
 109 92.6 0.0 189.6

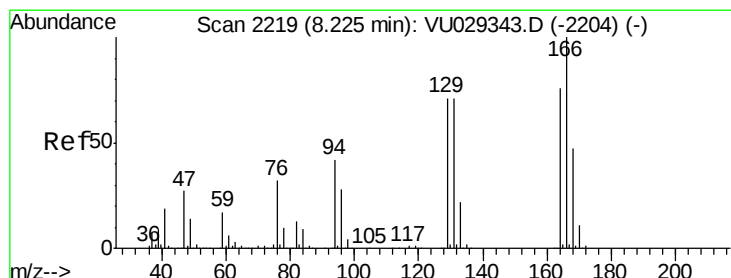
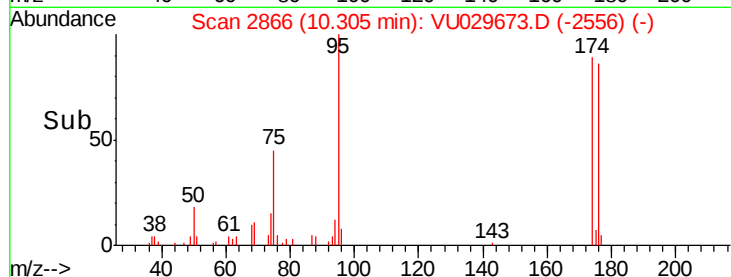
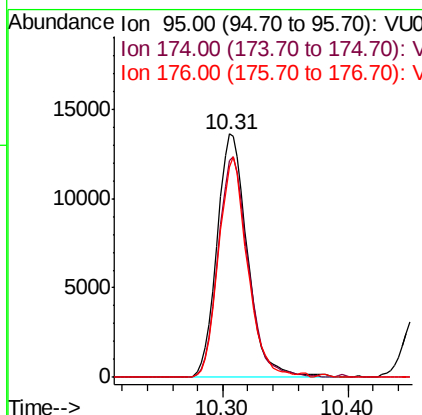
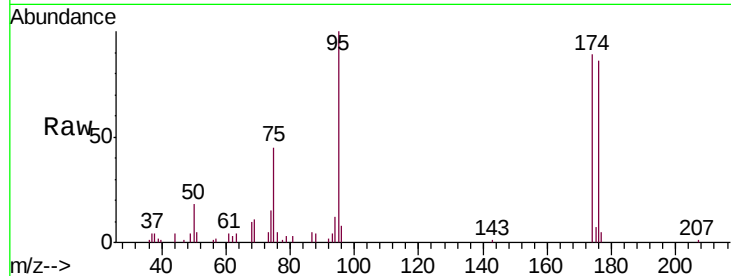




#57  
4-Bromofluorobenzene  
Concen: 2.011 ug/l  
RT: 10.31 min Scan# 2866  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

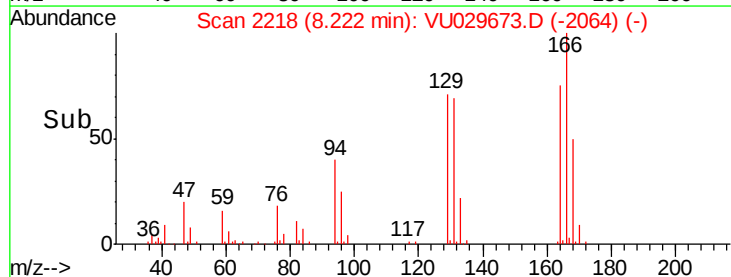
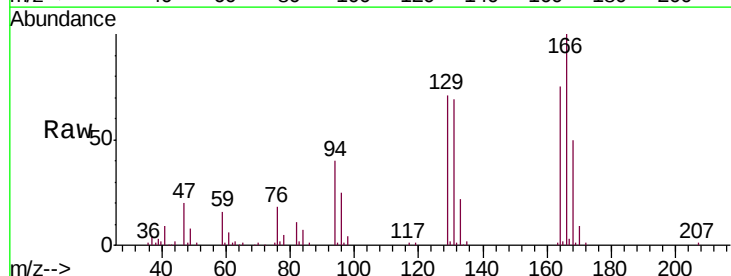
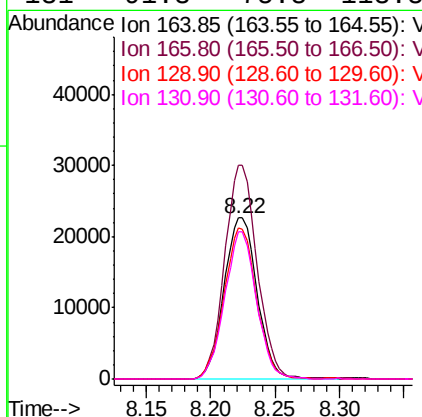
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

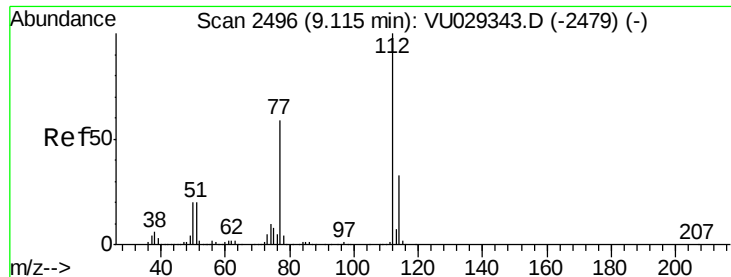
Tgt Ion: 95 Resp: 22911  
Ion Ratio Lower Upper  
95 100  
174 89.6 64.2 96.2  
176 85.7 62.3 93.5



#58  
Tetrachloroethene  
Concen: 2.258 ug/l  
RT: 8.22 min Scan# 2218  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion: 164 Resp: 40252  
Ion Ratio Lower Upper  
164 100  
166 132.6 106.6 159.8  
129 94.1 79.9 119.9  
131 91.3 75.8 113.8

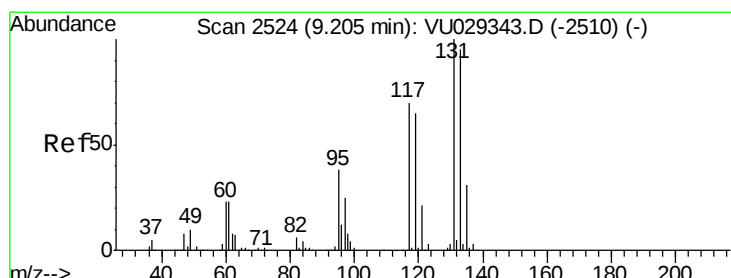
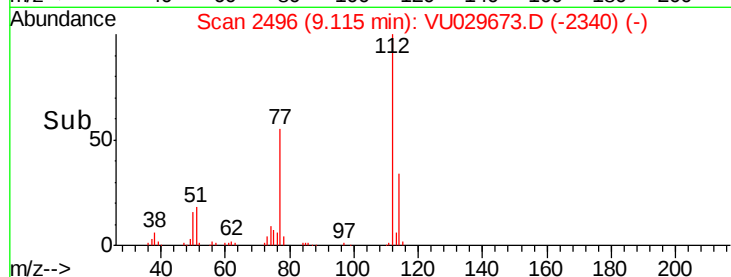
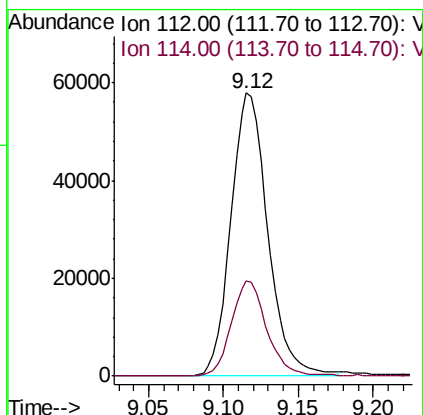
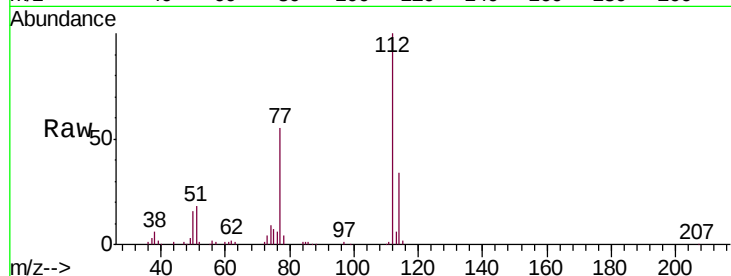




#59  
Chlorobenzene  
Concen: 2.070 ug/l  
RT: 9.12 min Scan# 2496  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

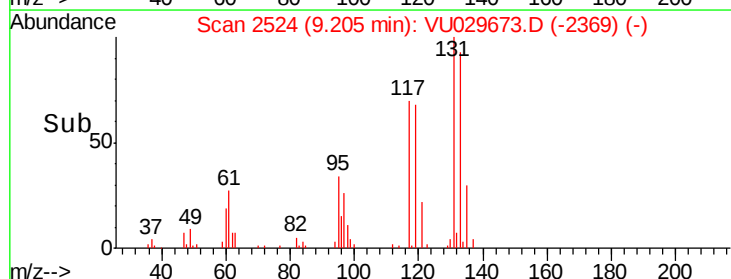
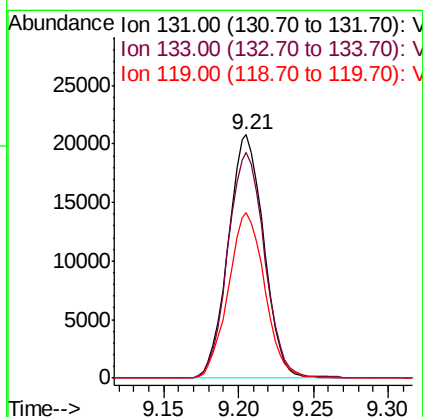
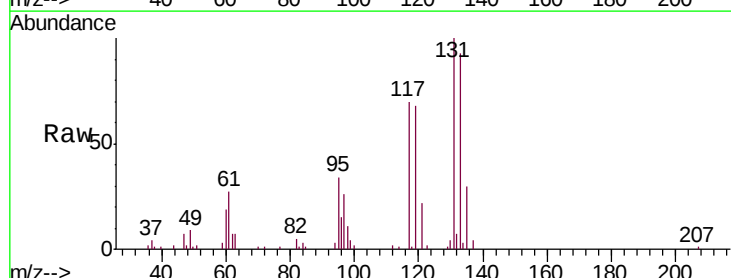
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

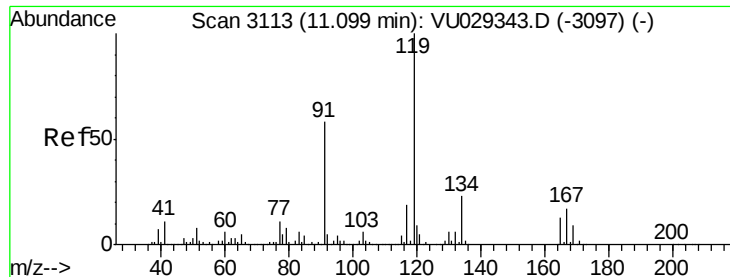
Tgt Ion:112 Resp: 99608  
Ion Ratio Lower Upper  
112 100  
114 33.6 26.2 39.4



#60  
1,1,1,2-Tetrachloroethane  
Concen: 1.941 ug/l  
RT: 9.21 min Scan# 2524  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion:131 Resp: 34511  
Ion Ratio Lower Upper  
131 100  
133 95.5 77.3 115.9  
119 69.3 48.9 73.3

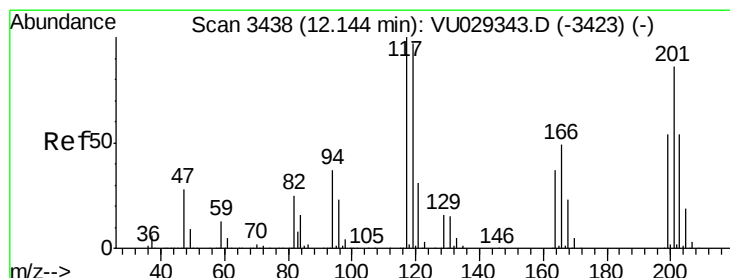
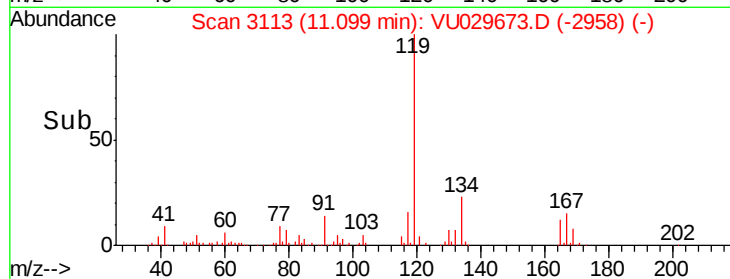
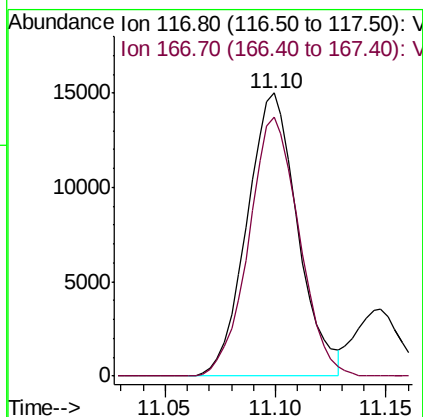
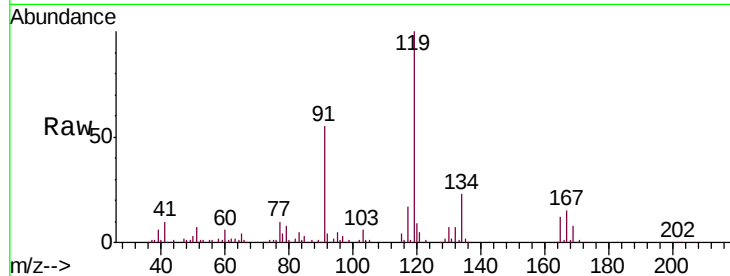




#61  
 Pentachloroethane  
 Concen: 1.735 ug/l  
 RT: 11.10 min Scan# 3113  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

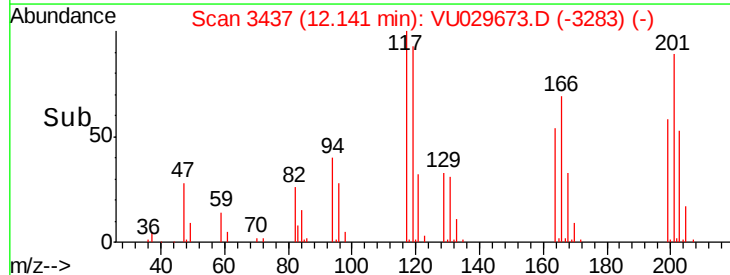
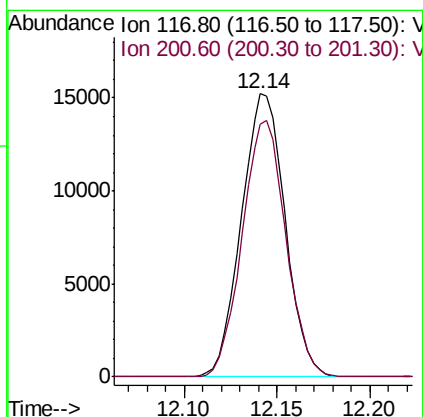
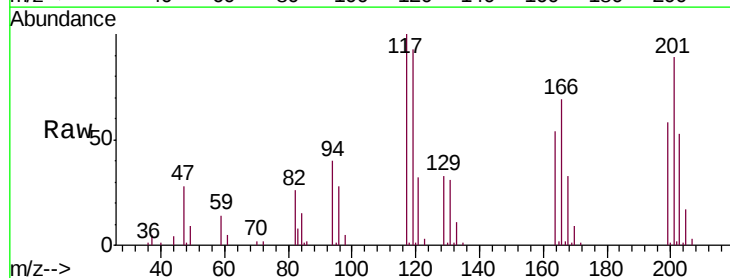
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

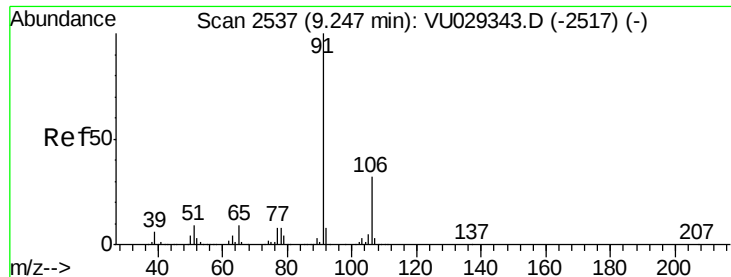
Tgt Ion:117 Resp: 23906  
 Ion Ratio Lower Upper  
 117 100  
 167 90.6 65.9 98.9



#62  
 Hexachloroethane  
 Concen: 1.664 ug/l  
 RT: 12.14 min Scan# 3437  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion:117 Resp: 25032  
 Ion Ratio Lower Upper  
 117 100  
 201 90.0 68.2 102.2

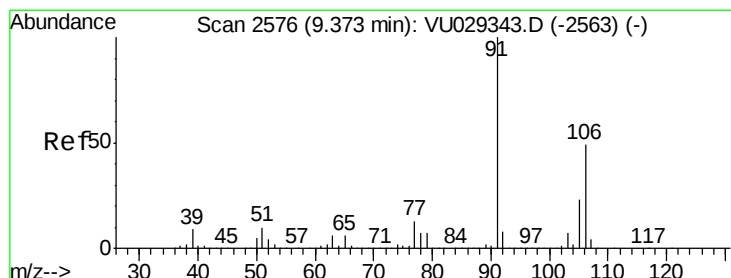
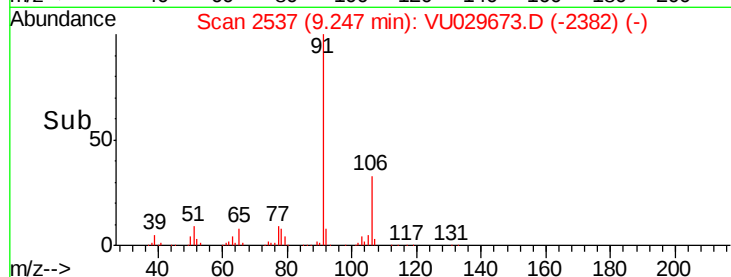
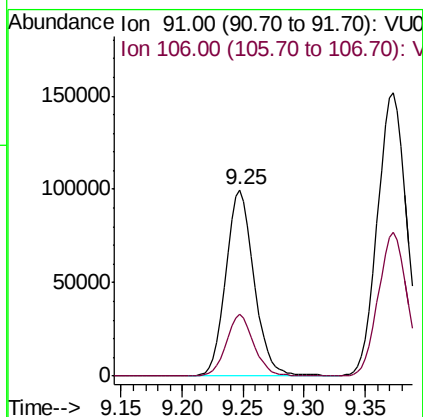
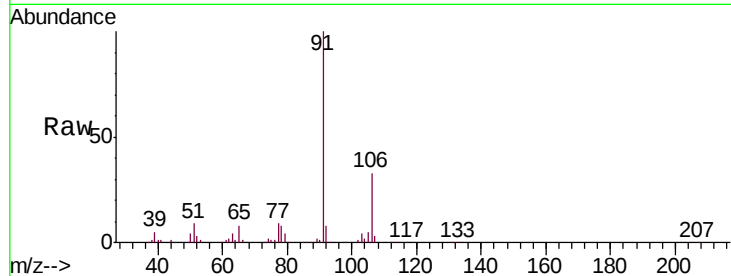




#63  
Ethyl Benzene  
Concen: 1.942 ug/l  
RT: 9.25 min Scan# 2537  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

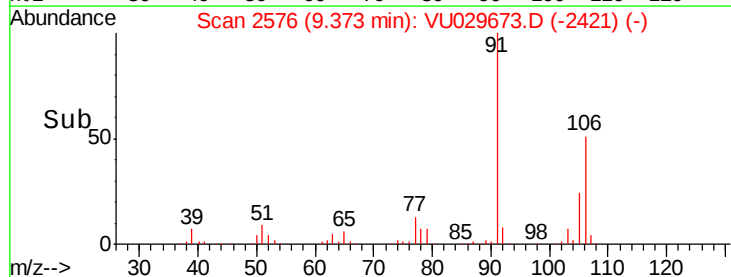
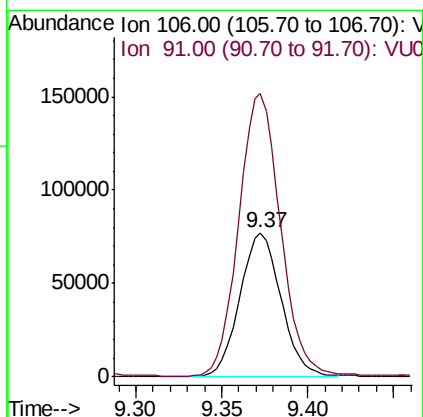
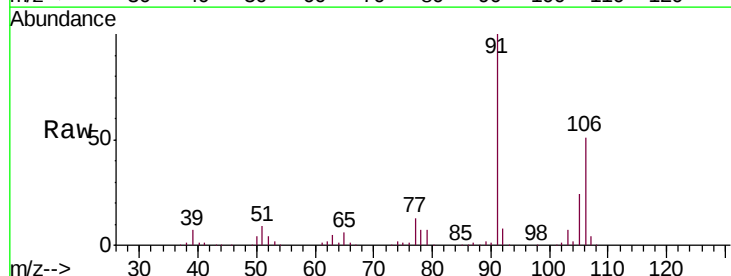
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

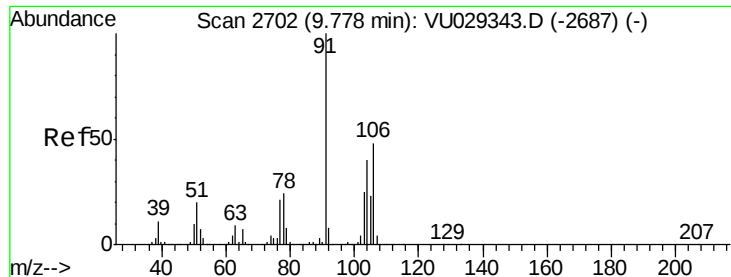
Tgt Ion: 91 Resp: 162260  
Ion Ratio Lower Upper  
91 100  
106 33.1 23.8 35.6



#64  
m/p-Xylenes  
Concen: 3.939 ug/l  
RT: 9.37 min Scan# 2576  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion: 106 Resp: 127938  
Ion Ratio Lower Upper  
106 100  
91 198.8 174.6 261.8

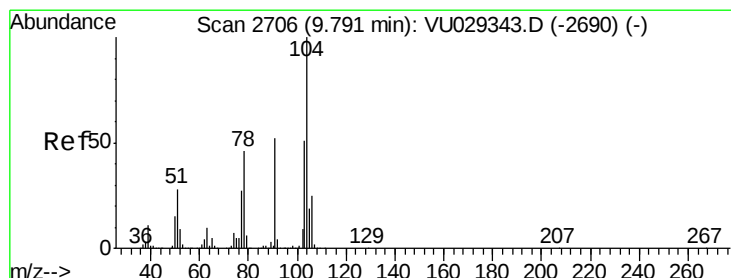
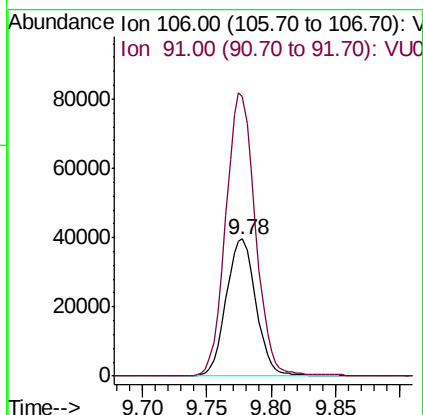
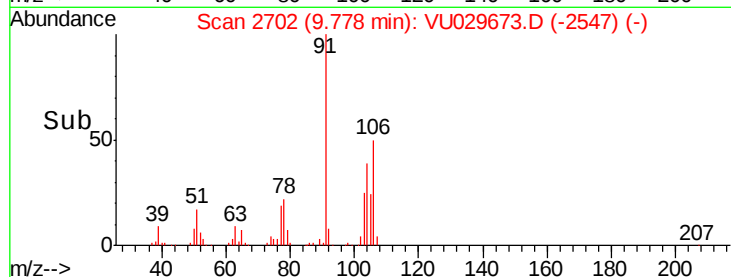
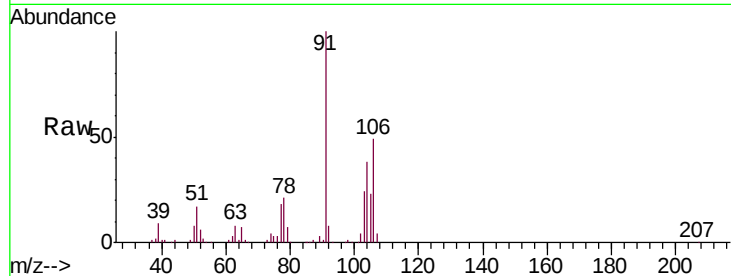




#65  
o-Xylene  
Concen: 2.001 ug/l  
RT: 9.78 min Scan# 2702  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

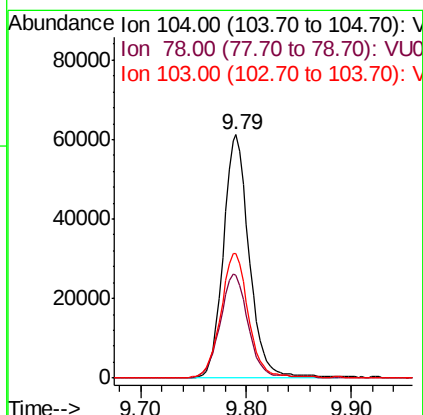
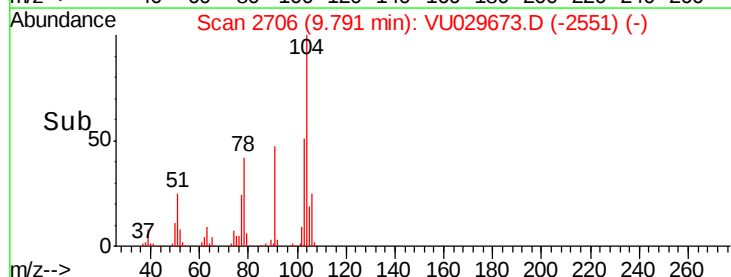
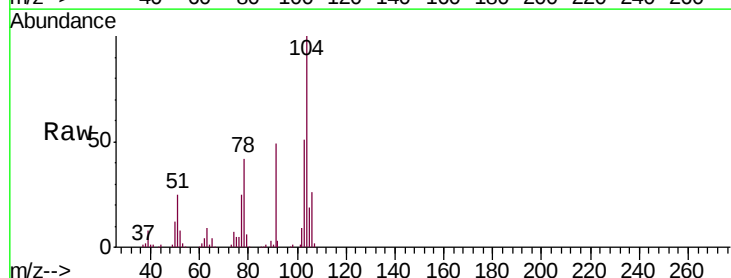
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

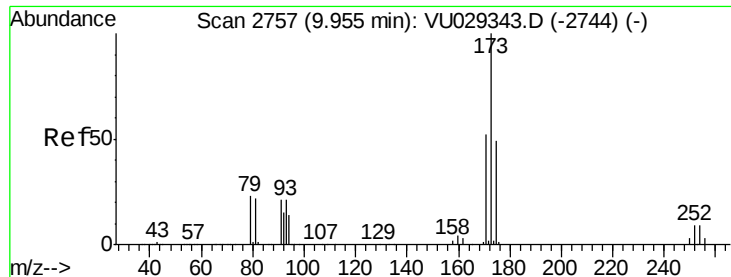
Tgt Ion:106 Resp: 63782  
Ion Ratio Lower Upper  
106 100  
91 204.0 114.5 343.4



#66  
Styrene  
Concen: 1.961 ug/l  
RT: 9.79 min Scan# 2706  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion:104 Resp: 104193  
Ion Ratio Lower Upper  
104 100  
78 46.7 46.5 69.7  
103 54.9 44.7 67.1

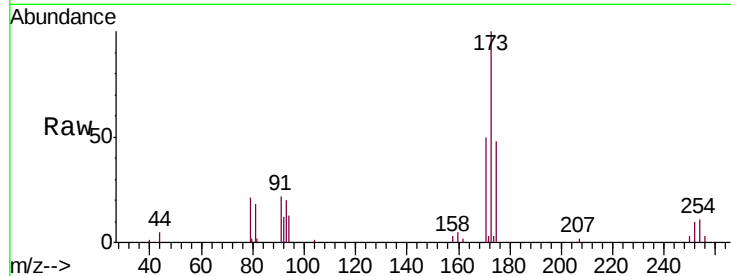




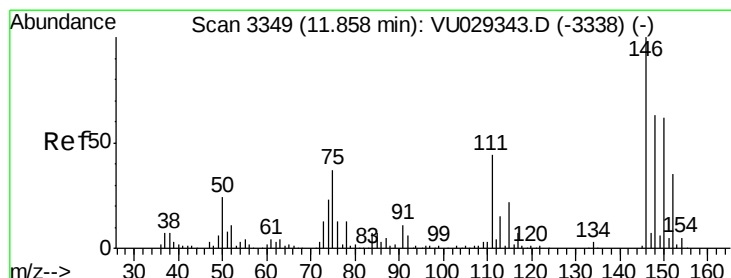
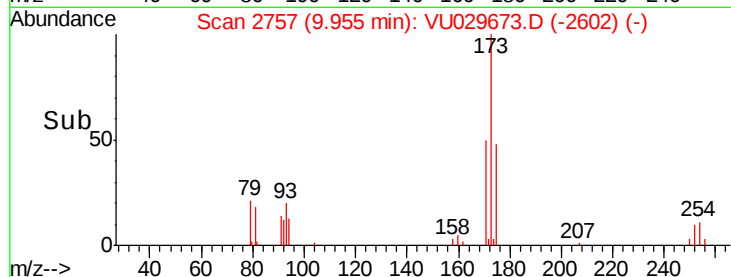
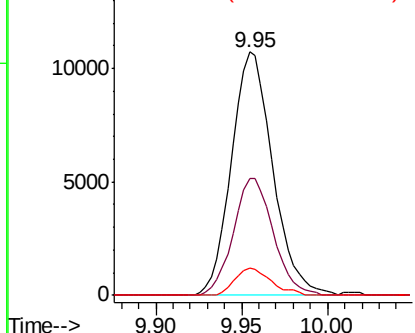
#67  
Bromoform  
Concen: 1.661 ug/l  
RT: 9.95 min Scan# 2757  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

Tgt Ion:173 Resp: 17999  
Ion Ratio Lower Upper  
173 100  
175 46.3 38.9 58.3  
254 9.7 7.4 11.2

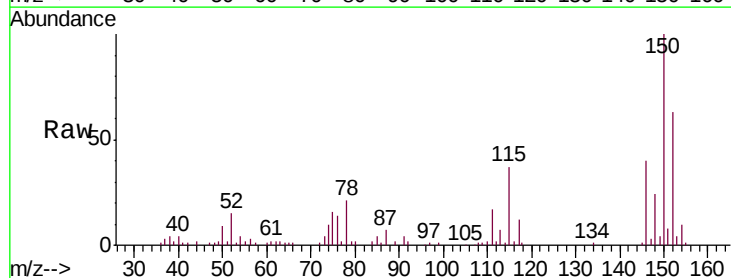


Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V

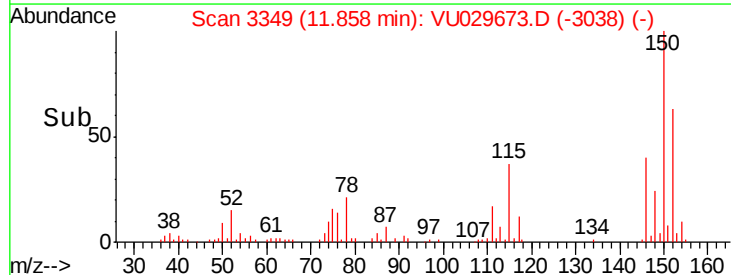
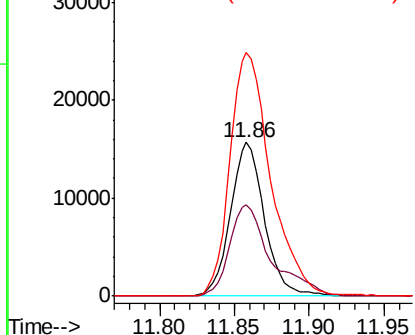


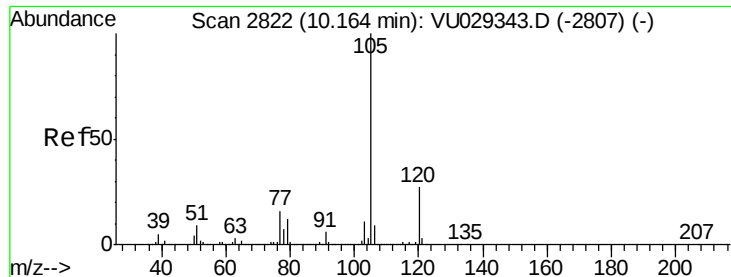
#68  
1,2-Dichlorobenzene-d4  
Concen: 1.661 ug/l  
RT: 11.86 min Scan# 3349  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion:152 Resp: 24749  
Ion Ratio Lower Upper  
152 100  
115 72.3 0.0 133.4  
150 190.5 0.0 670.8



Abundance Ion 152.00 (151.70 to 152.70): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.984 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

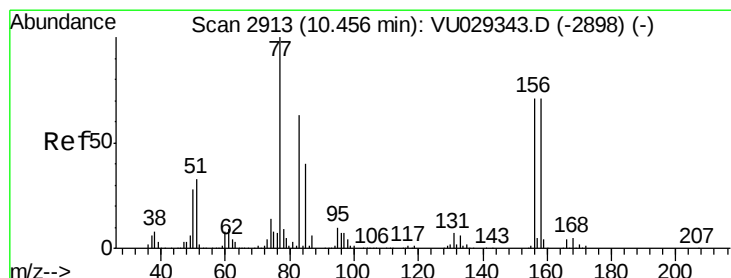
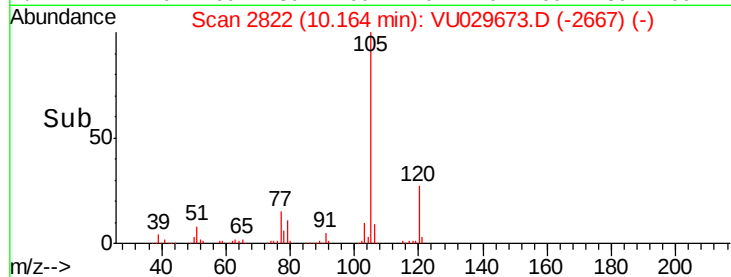
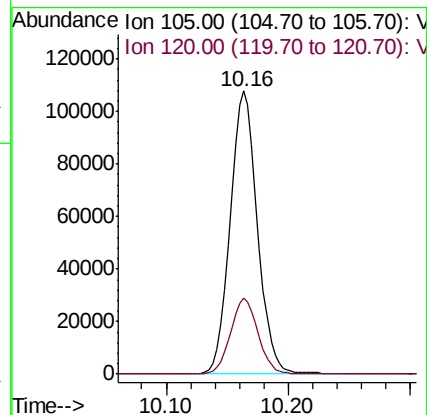
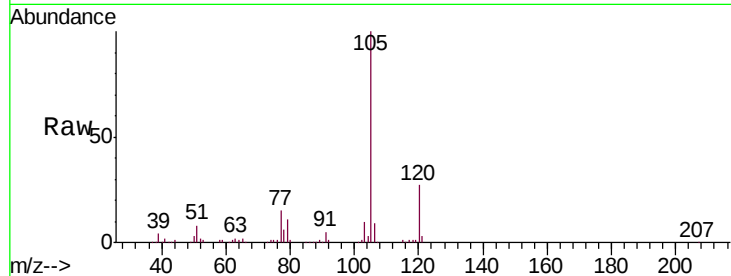
VU0226WBS01

Tgt Ion: 105 Resp: 168966

Ion Ratio Lower Upper

105 100

120 27.0 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 2.089 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

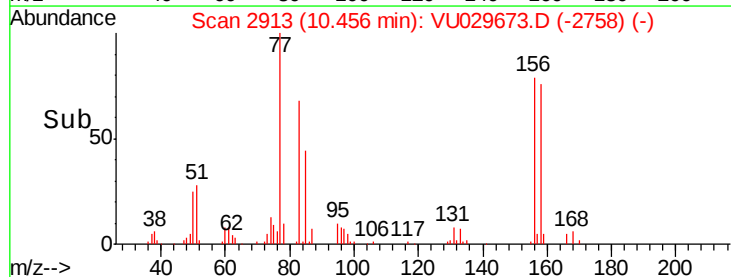
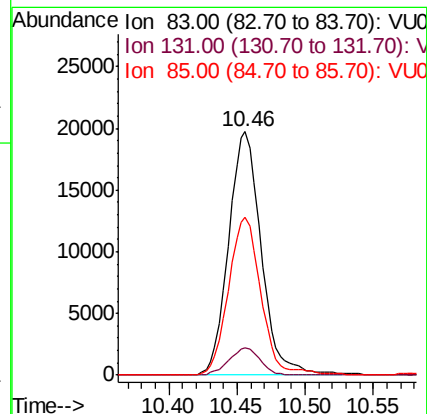
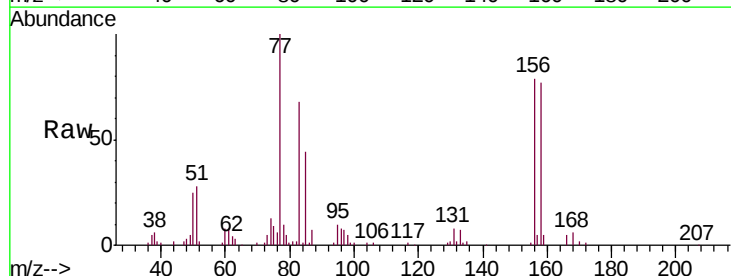
Tgt Ion: 83 Resp: 32799

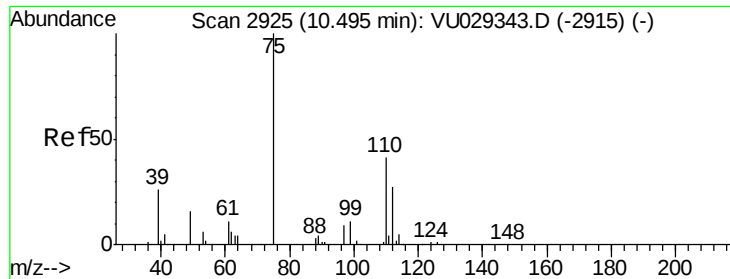
Ion Ratio Lower Upper

83 100

131 10.7 8.1 12.1

85 64.4 50.3 75.5





#71

1,2,3-Trichloropropane

Concen: 1.825 ug/l

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0226WBS01

Tgt Ion: 75 Resp: 19676

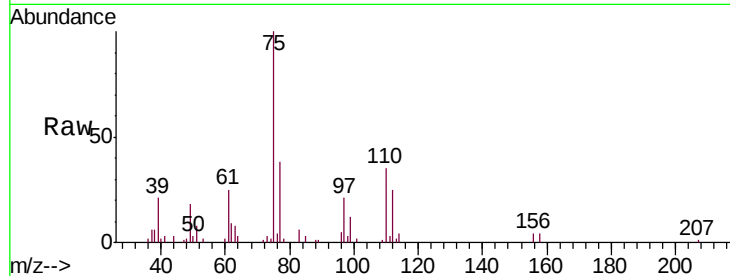
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 45.3 0.0 63.6

97 24.0 0.0 31.4

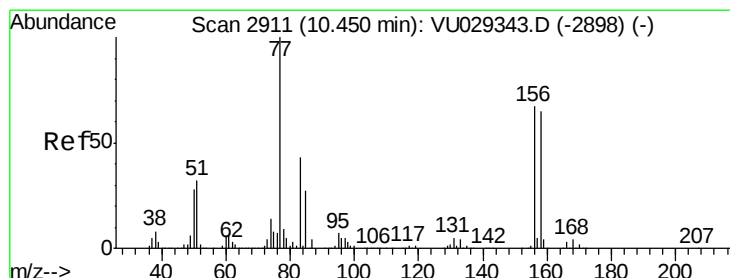
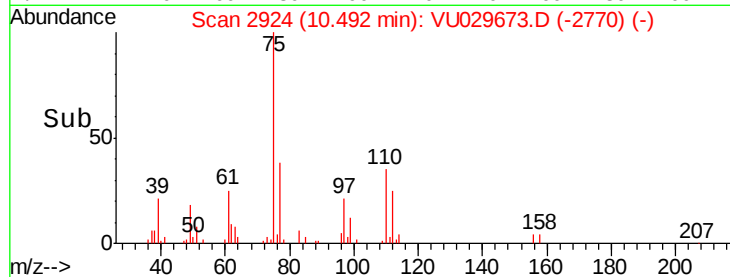
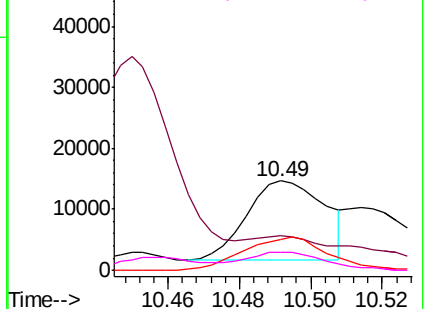


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 2.090 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

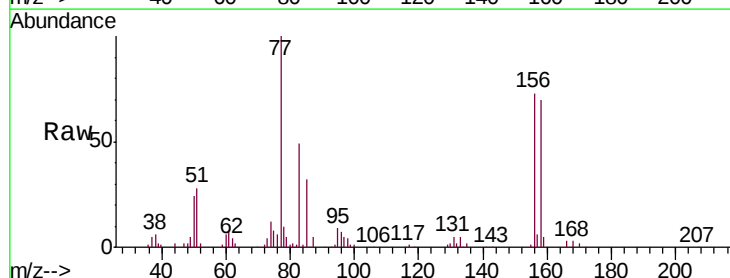
Tgt Ion: 156 Resp: 43157

Ion Ratio Lower Upper

156 100

77 135.9 0.0 343.8

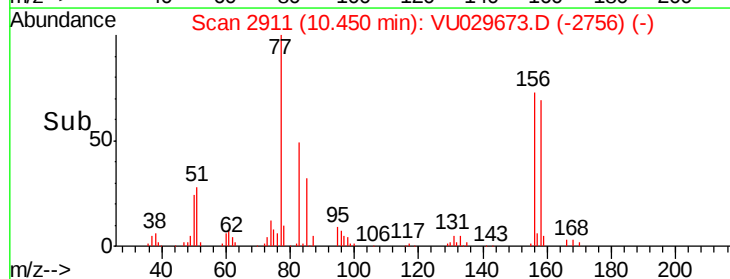
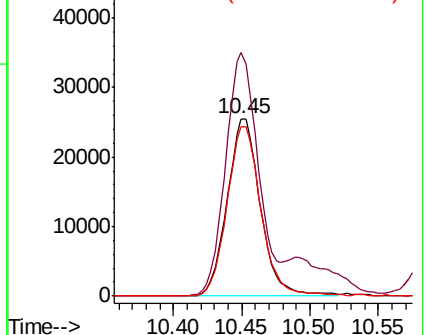
158 97.3 0.0 195.0

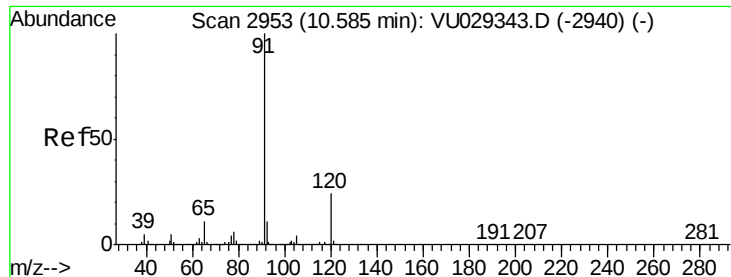


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V

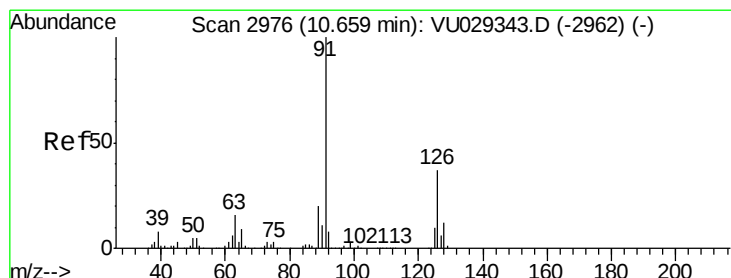
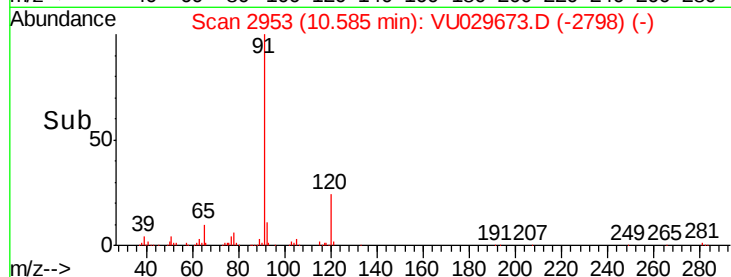
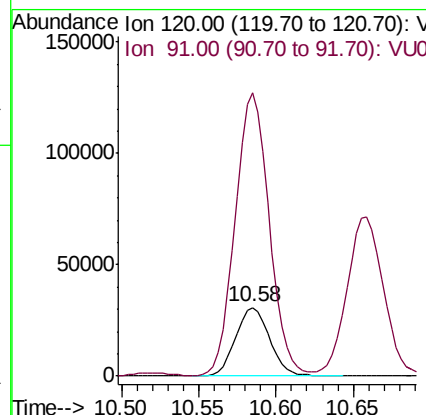
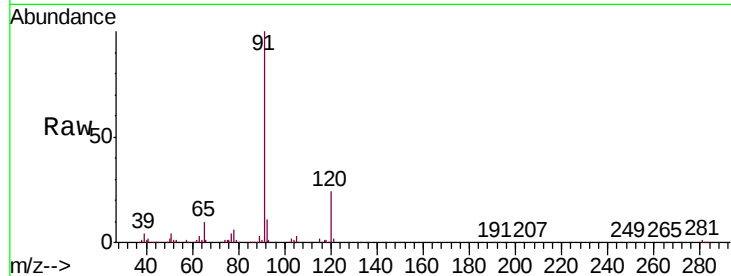




#73  
n-propylbenzene  
Concen: 1.984 ug/l  
RT: 10.58 min Scan# 2953  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

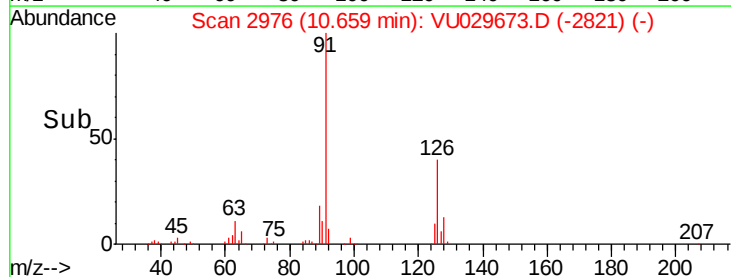
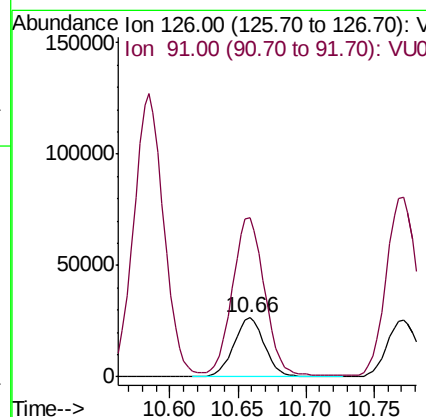
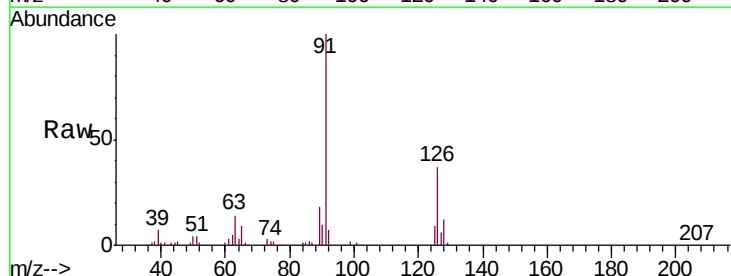
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

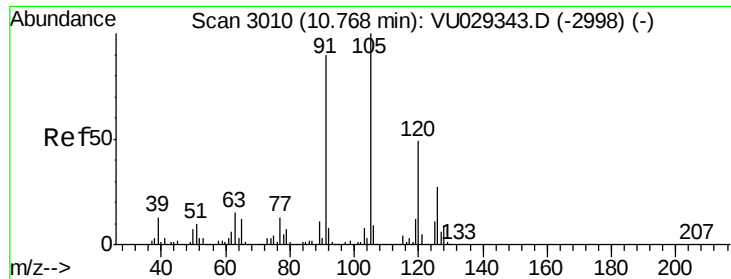
Tgt Ion:120 Resp: 47069  
Ion Ratio Lower Upper  
120 100  
91 410.8 370.0 555.0



#74  
2-Chlorotoluene  
Concen: 2.078 ug/l  
RT: 10.66 min Scan# 2976  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion:126 Resp: 41978  
Ion Ratio Lower Upper  
126 100  
91 280.8 0.0 643.0





#75

1,3,5-Trimethylbenzene

Concen: 1.914 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

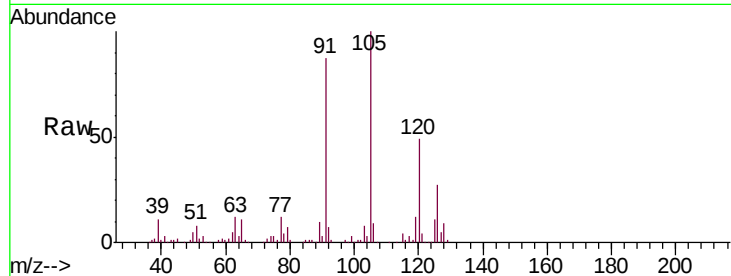
VU0226WBS01

Tgt Ion:105 Resp: 140547

Ion Ratio Lower Upper

105 100

120 50.1 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

80000

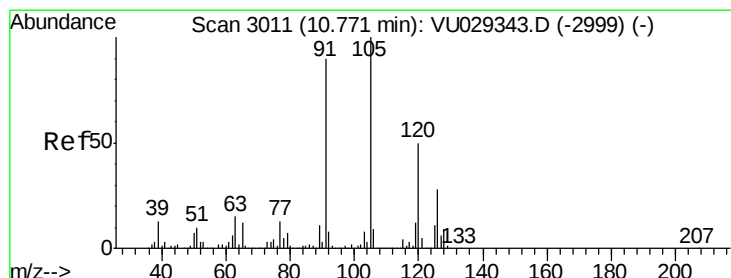
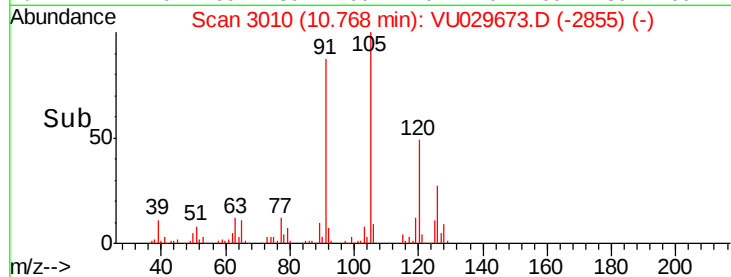
60000

40000

20000

0

Time-->



#76

4-Chlorotoluene

Concen: 1.969 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. -0.00 min

Lab File: VU029673.D

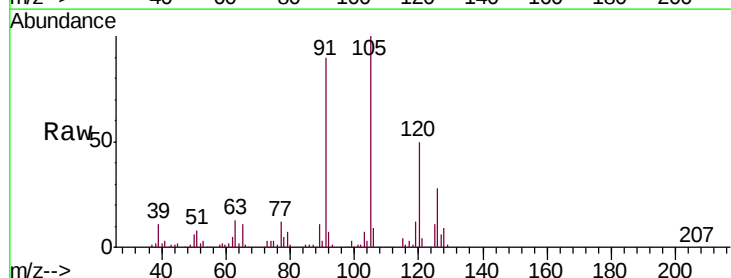
Acq: 26 Feb 2019 11:14

Tgt Ion:126 Resp: 41286

Ion Ratio Lower Upper

126 100

91 321.9 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

80000

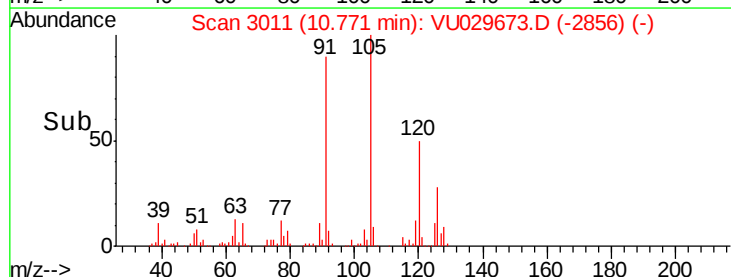
60000

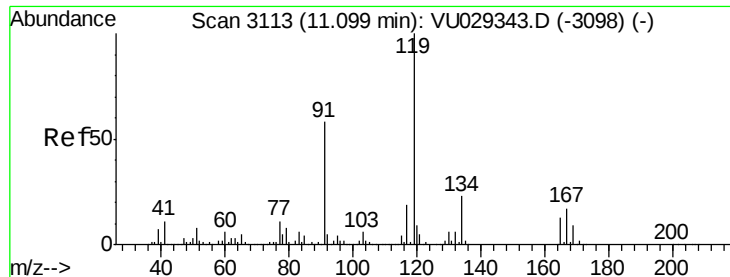
40000

20000

0

Time-->

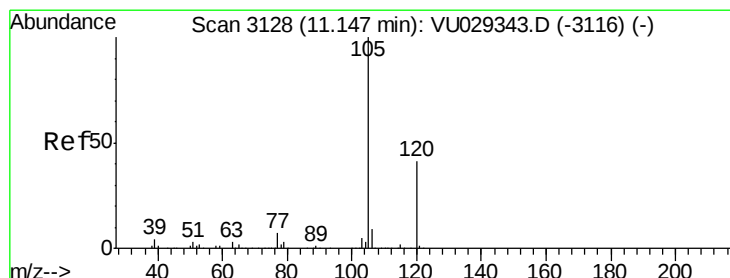
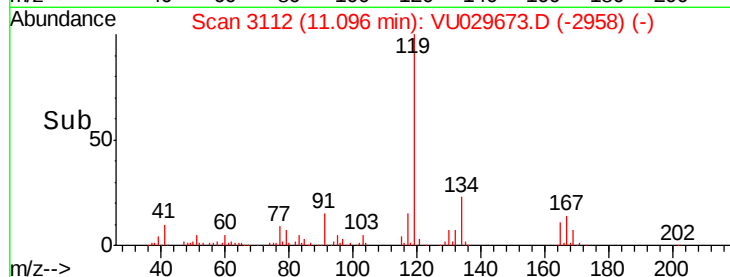
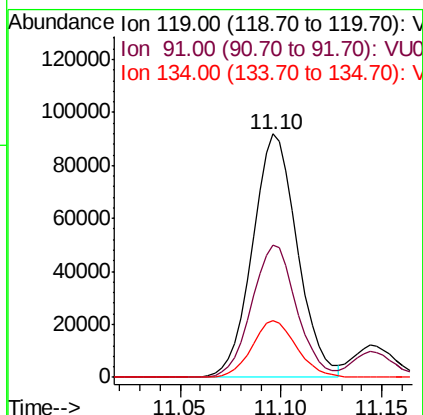
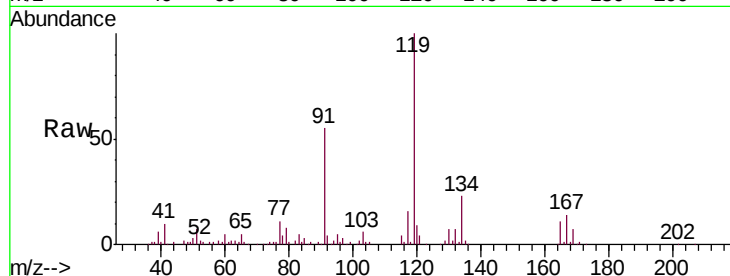




#77  
 tert-Butylbenzene  
 Concen: 1.966 ug/l  
 RT: 11.10 min Scan# 3112  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

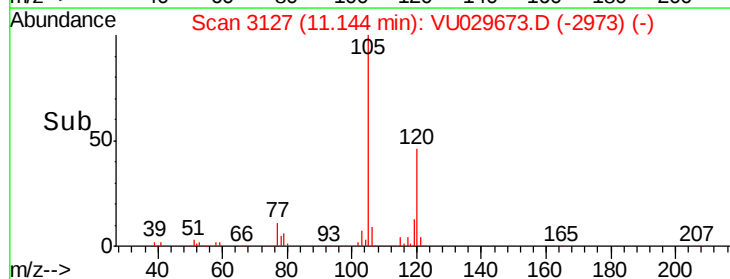
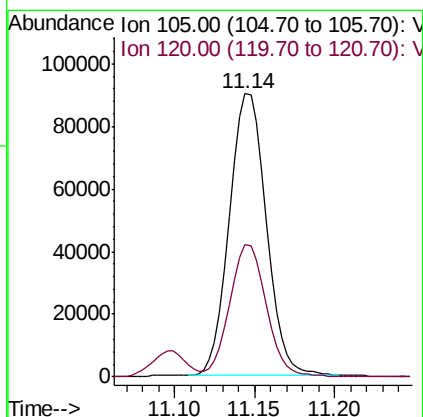
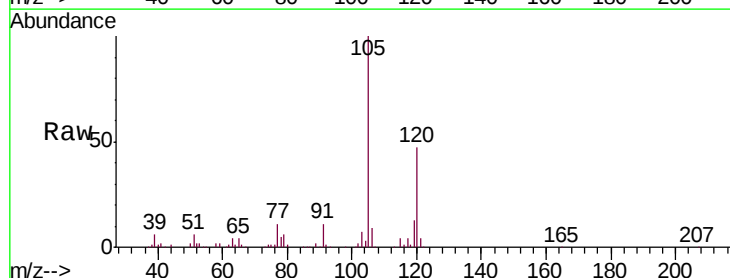
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

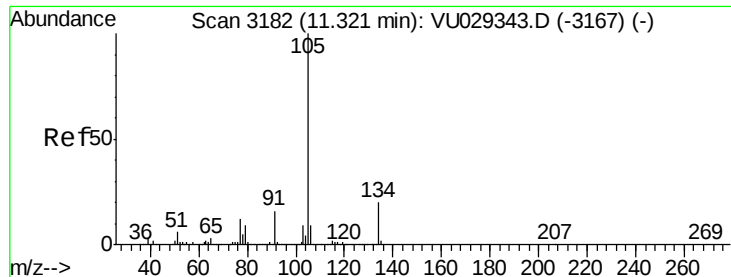
Tgt Ion:119 Resp: 142704  
 Ion Ratio Lower Upper  
 119 100  
 91 54.7 32.2 96.6  
 134 23.1 17.6 26.4



#78  
 1,2,4-Trimethylbenzene  
 Concen: 1.906 ug/l  
 RT: 11.14 min Scan# 3127  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion:105 Resp: 141705  
 Ion Ratio Lower Upper  
 105 100  
 120 46.2 21.4 64.3





#79

sec-Butylbenzene

Concen: 1.918 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

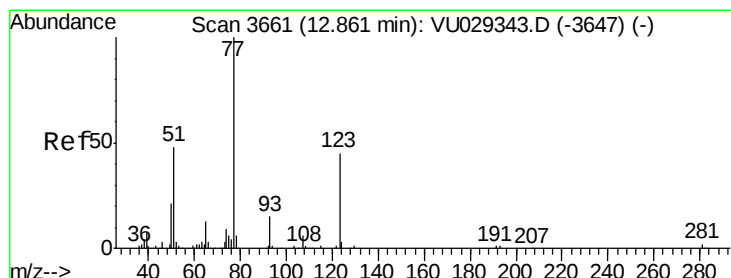
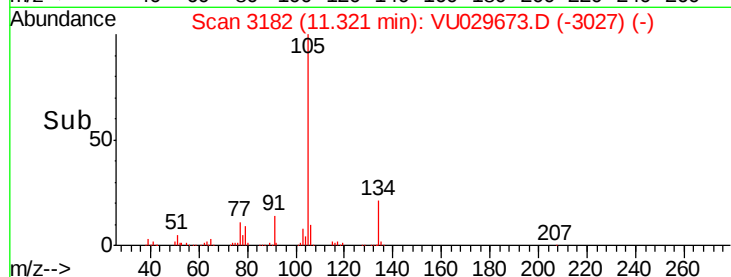
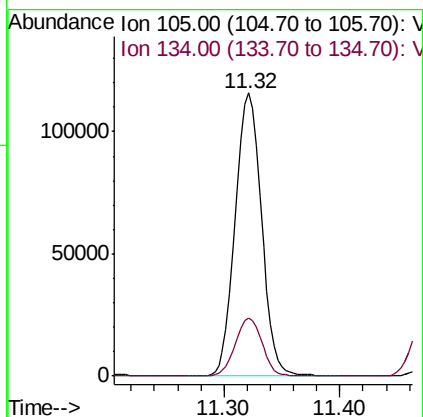
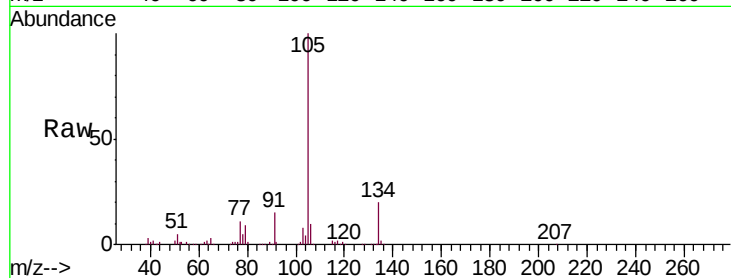
VU0226WBS01

Tgt Ion:105 Resp: 182152

Ion Ratio Lower Upper

105 100

134 20.8 15.0 22.6



#80

Nitrobenzene

Concen: 2.324 ug/l

RT: 12.88 min Scan# 3667

Delta R.T. 0.02 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

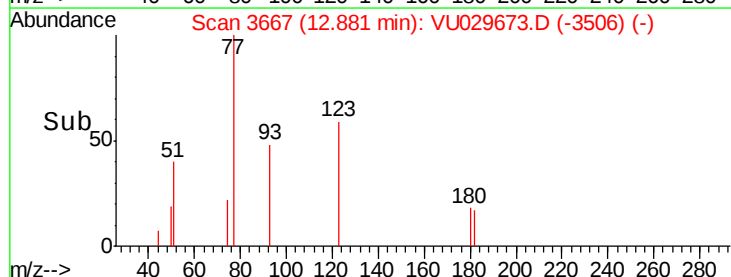
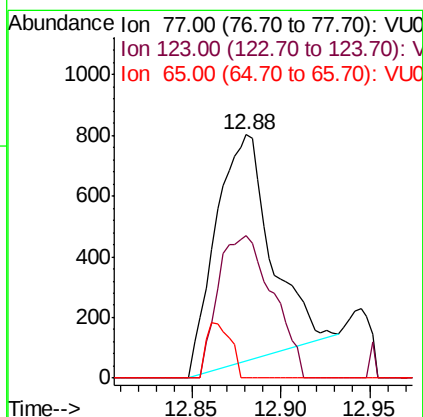
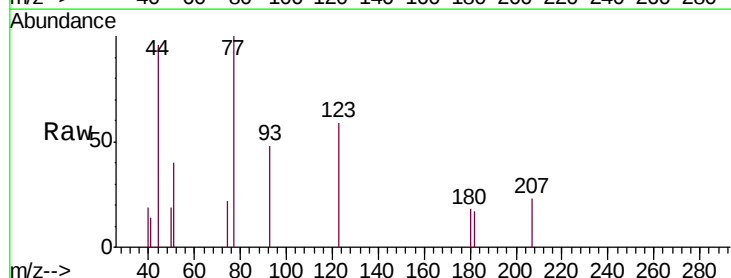
Tgt Ion: 77 Resp: 1626

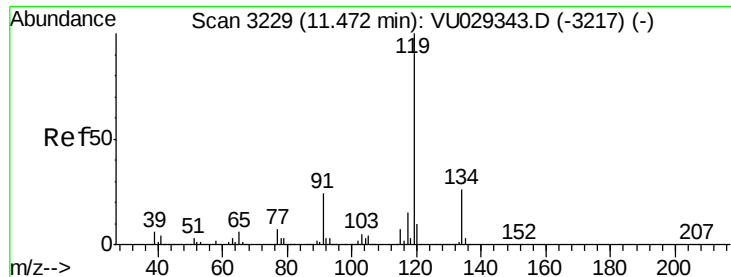
Ion Ratio Lower Upper

77 100

123 61.6 17.5 61.9

65 10.5 10.8 13.8#

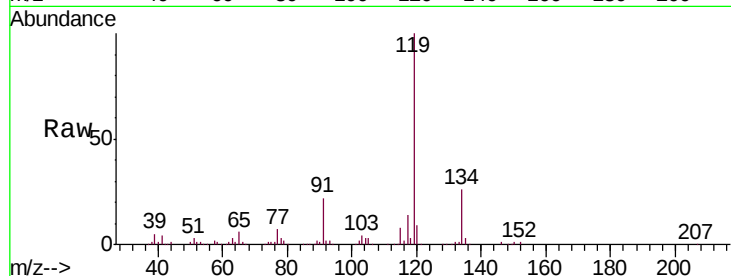




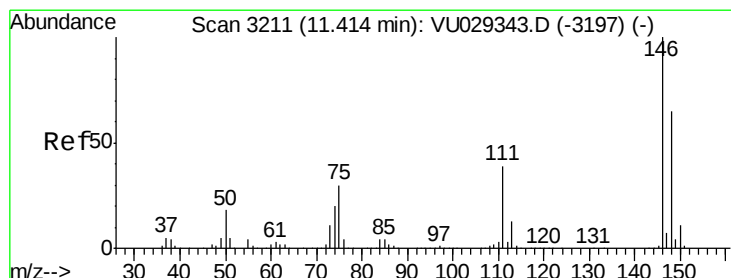
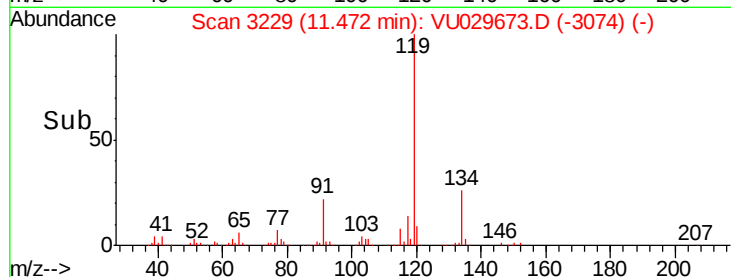
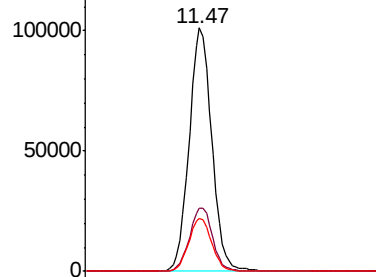
#81  
p-Isopropyltoluene  
Concen: 1.922 ug/l  
RT: 11.47 min Scan# 3229  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0226WBS01

Tgt Ion:119 Resp: 154722  
Ion Ratio Lower Upper  
119 100  
134 26.4 19.8 29.6  
91 22.3 21.5 32.3

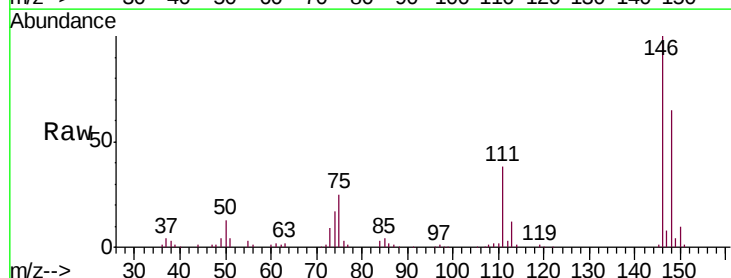


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 134.00 (133.70 to 134.70): V  
Ion 91.00 (90.70 to 91.70): V

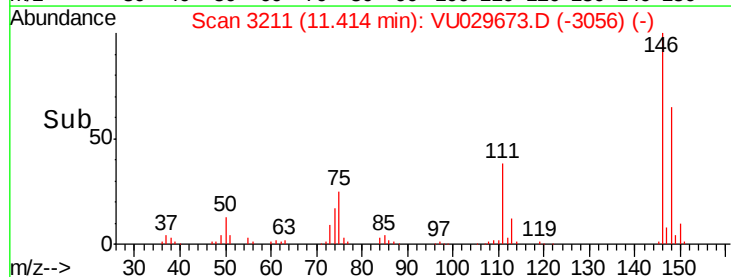
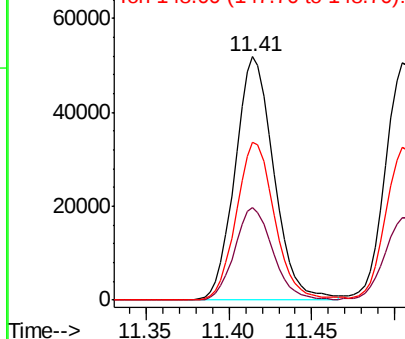


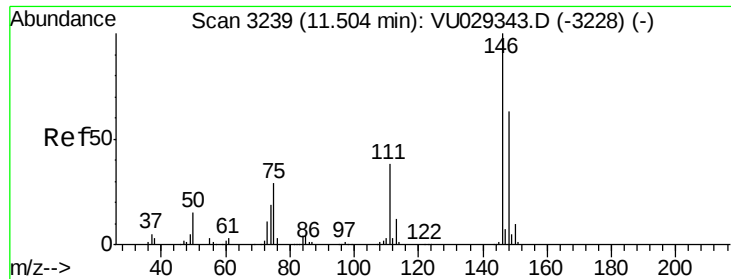
#82  
1,3-Dichlorobenzene  
Concen: 2.084 ug/l  
RT: 11.41 min Scan# 3211  
Delta R.T. -0.00 min  
Lab File: VU029673.D  
Acq: 26 Feb 2019 11:14

Tgt Ion:146 Resp: 84407  
Ion Ratio Lower Upper  
146 100  
111 37.4 34.1 51.1  
148 64.6 52.3 78.5



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

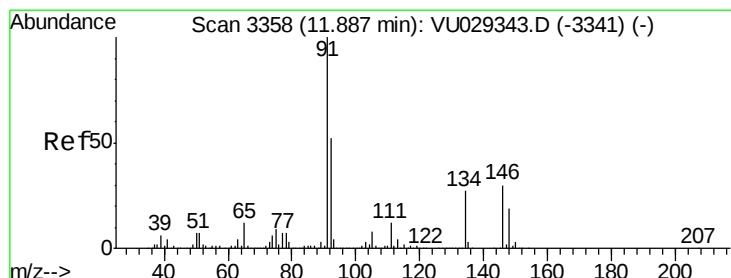
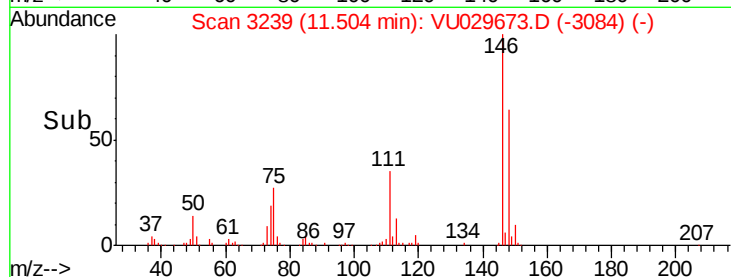
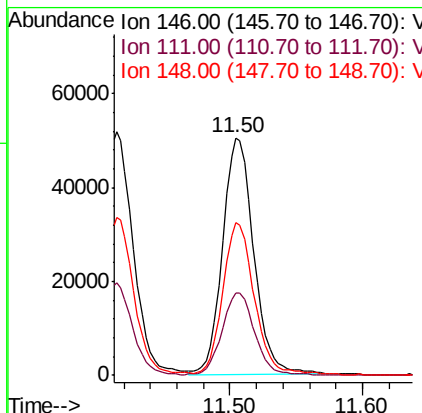
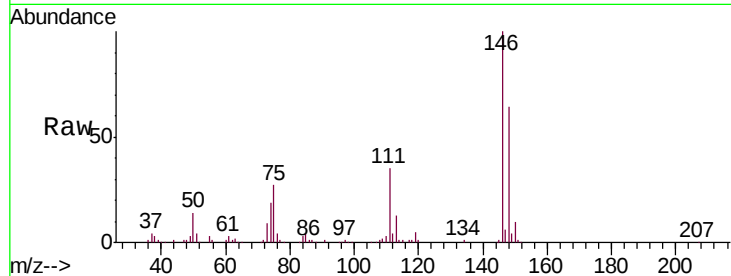




#83  
 1,4-Dichlorobenzene  
 Concen: 2.050 ug/l  
 RT: 11.50 min Scan# 3239  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

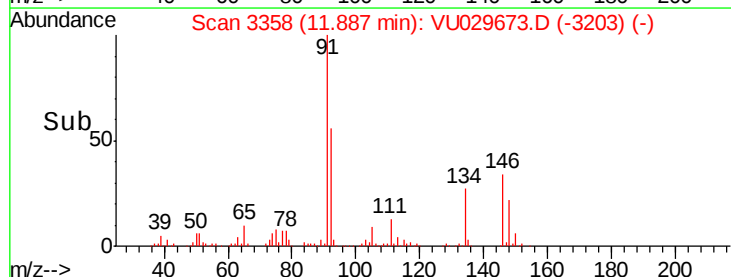
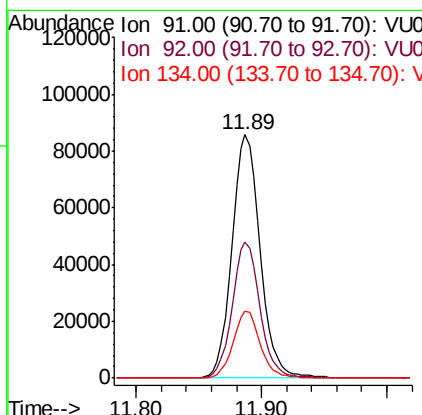
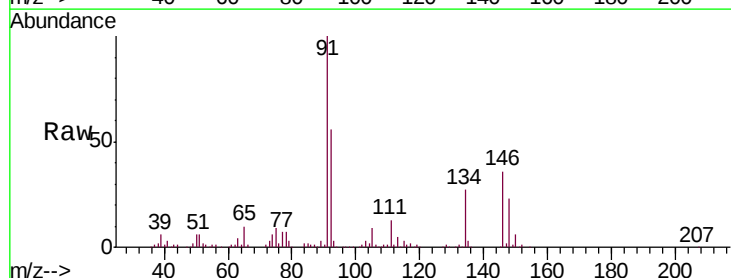
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

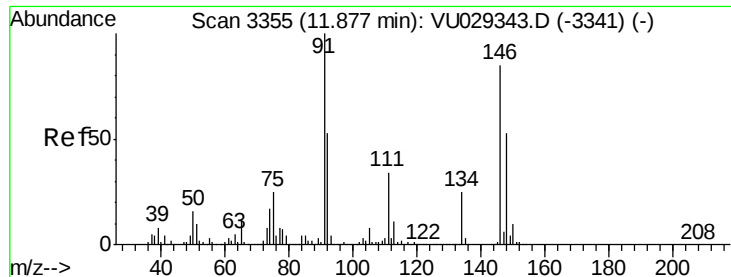
Tgt Ion:146 Resp: 82704  
 Ion Ratio Lower Upper  
 146 100  
 111 35.7 32.9 49.3  
 148 65.7 51.8 77.6



#84  
 n-Butylbenzene  
 Concen: 1.810 ug/l  
 RT: 11.89 min Scan# 3358  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion: 91 Resp: 133686  
 Ion Ratio Lower Upper  
 91 100  
 92 54.8 41.0 61.6  
 134 26.3 19.1 28.7





#85

1,2-Dichlorobenzene

Concen: 2.077 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0226WBS01

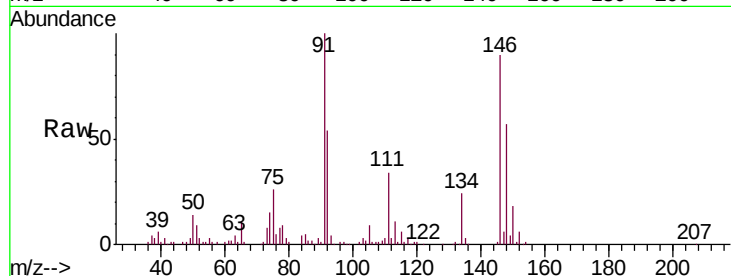
Tgt Ion:146 Resp: 79543

Ion Ratio Lower Upper

146 100

111 38.3 21.9 65.8

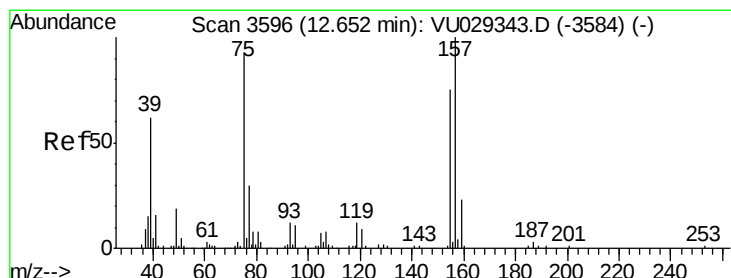
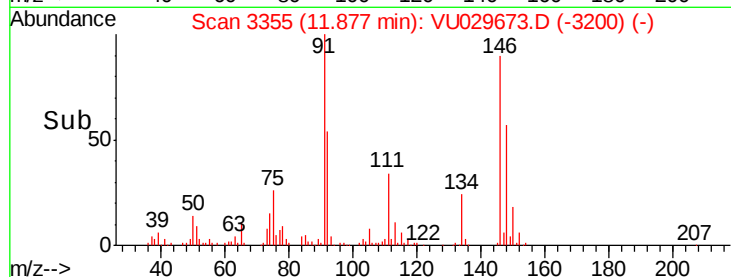
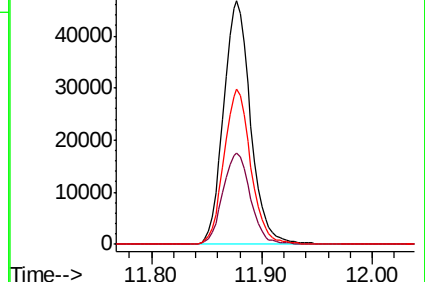
148 63.4 31.8 95.3



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



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.650 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

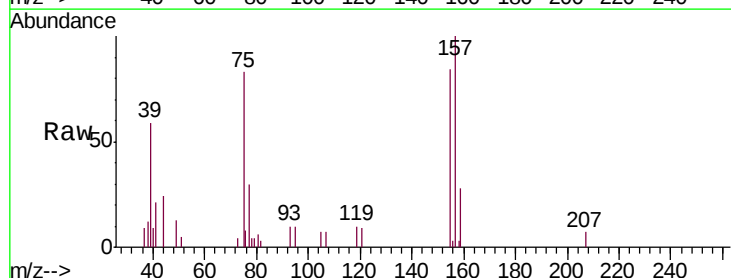
Tgt Ion: 75 Resp: 4836

Ion Ratio Lower Upper

75 100

155 88.9 53.8 80.8#

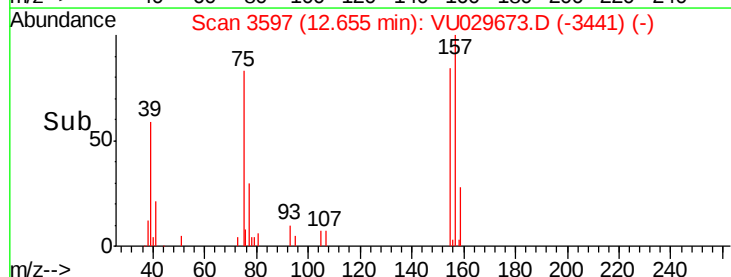
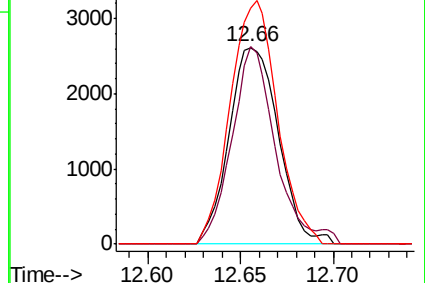
157 118.1 69.2 103.8#

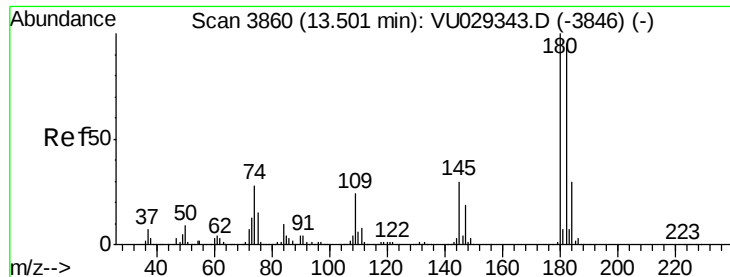


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

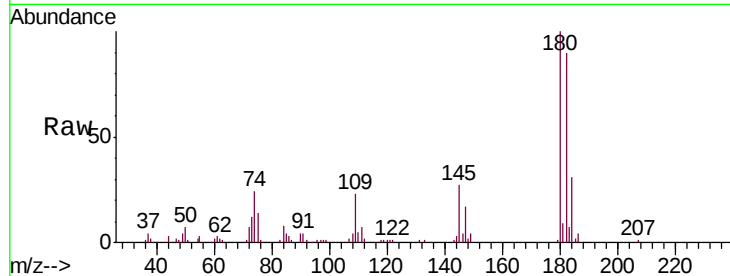




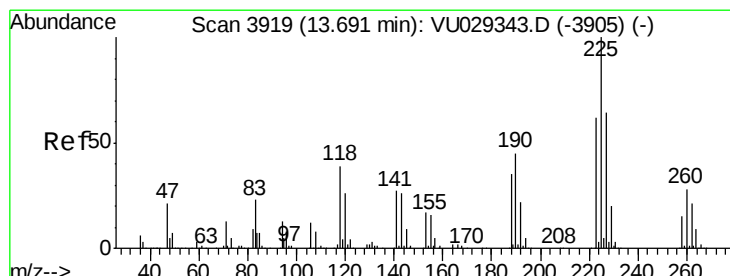
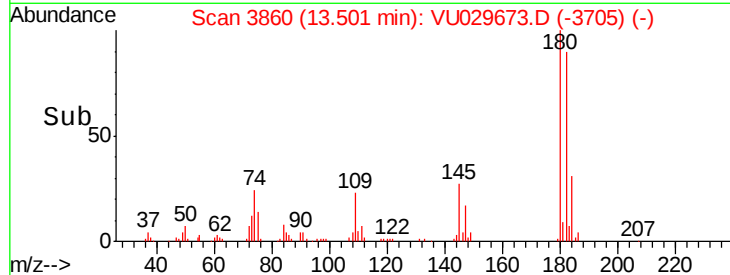
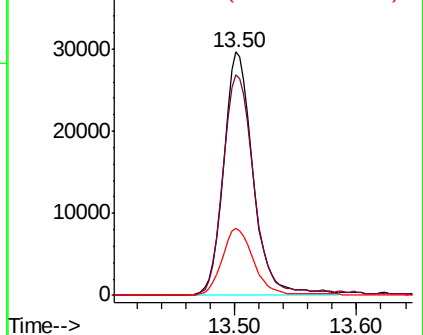
#87  
 1,2,4-Trichlorobenzene  
 Concen: 1.867 ug/l  
 RT: 13.50 min Scan# 3860  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0226WBS01

Tgt Ion:180 Resp: 50235  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 76.6 114.8  
 145 29.0 24.6 36.8

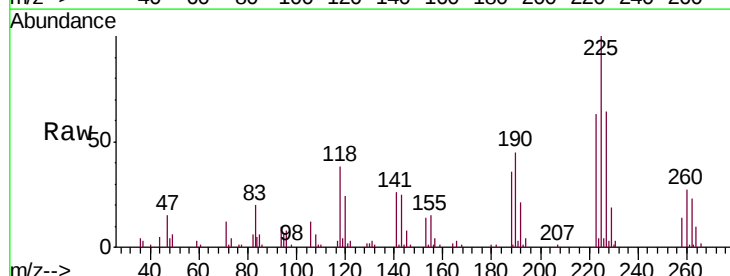


Abundance Ion 179.70 (179.40 to 180.40): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

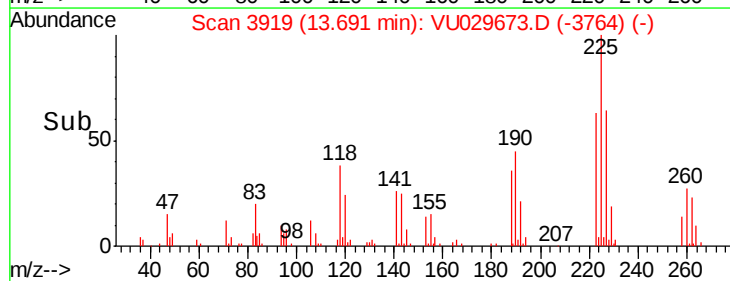
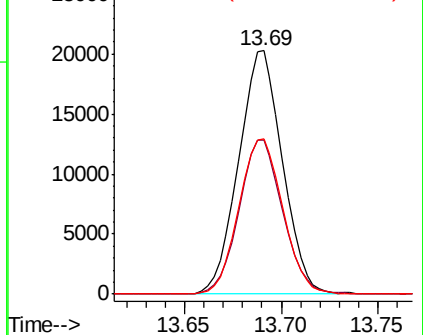


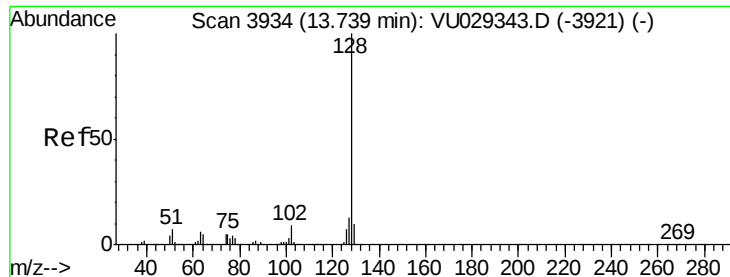
#88  
 Hexachlorobutadiene  
 Concen: 2.049 ug/l  
 RT: 13.69 min Scan# 3919  
 Delta R.T. -0.00 min  
 Lab File: VU029673.D  
 Acq: 26 Feb 2019 11:14

Tgt Ion:225 Resp: 31919  
 Ion Ratio Lower Upper  
 225 100  
 223 63.2 49.5 74.3  
 227 63.9 50.4 75.6



Abundance Ion 224.60 (224.30 to 225.30): V  
 Ion 222.60 (222.30 to 223.30): V  
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.690 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VU0226WBS01

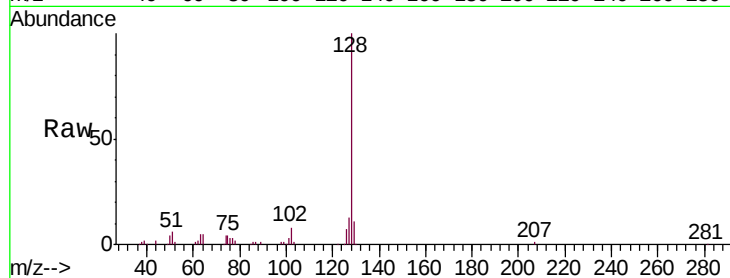
Tgt Ion:128 Resp: 77111

Ion Ratio Lower Upper

128 100

127 12.3 10.7 16.1

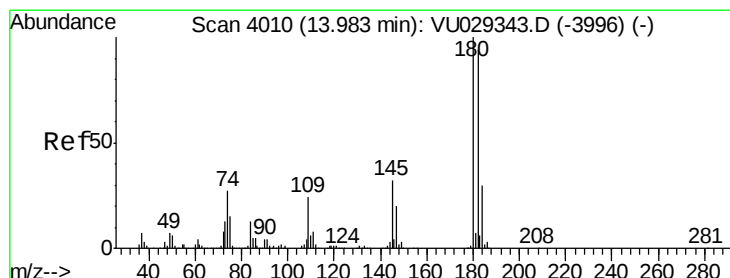
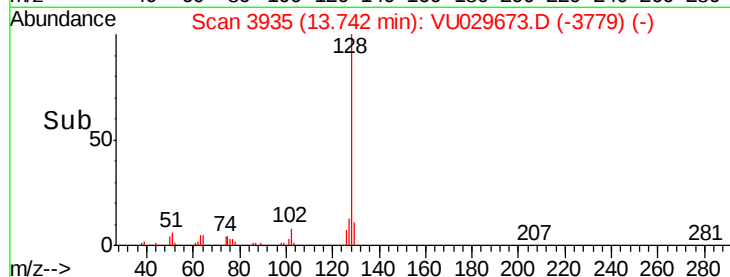
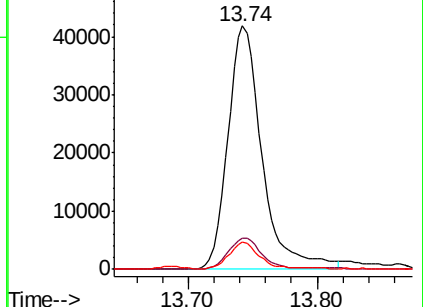
129 9.7 8.2 12.4



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: 1.959 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029673.D

Acq: 26 Feb 2019 11:14

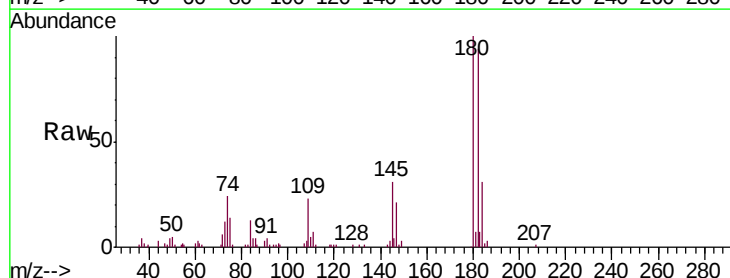
Tgt Ion:180 Resp: 48171

Ion Ratio Lower Upper

180 100

182 93.5 78.0 117.0

145 30.0 26.6 39.8



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

