

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\  
 Data File : VU025766.D  
 Acq On : 01 Aug 2018 10:57  
 Operator : MD/SY  
 Sample : VU0801WBS03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

Quant Time: Aug 02 03:54:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 16:07:47 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 188984   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 287538   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 275865   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 169011   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 152058   | 51.64 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.28% |      |
| 35) Dibromofluoromethane    | 4.89   | 113 | 125226   | 50.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.14% |      |
| 50) Toluene-d8              | 7.57   | 98  | 447670   | 51.15 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.30% |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 169622   | 49.94 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.88%  |      |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85   | 59329    | 20.77  | ug/l  | 99     |
| 3) Chloromethane              | 1.33 | 50   | 52354    | 19.18  | ug/l  | 98     |
| 4) Vinyl Chloride             | 1.41 | 62   | 49869    | 19.41  | ug/l  | 98     |
| 5) Bromomethane               | 1.63 | 94   | 25018    | 19.94  | ug/l  | 99     |
| 6) Chloroethane               | 1.70 | 64   | 28835    | 19.19  | ug/l  | 100    |
| 7) Trichlorofluoromethane     | 1.89 | 101  | 71886    | 19.35  | ug/l  | 99     |
| 8) Diethyl Ether              | 2.10 | 74   | 25621    | 19.06  | ug/l  | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101  | 43207    | 20.10  | ug/l  | 99     |
| 10) Methyl Iodide             | 2.41 | 142  | 35377    | 23.21  | ug/l  | 98     |
| 11) Tert butyl alcohol        | 2.83 | 59   | 61691    | 95.69  | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96   | 39791    | 19.61  | ug/l  | 94     |
| 13) Acrolein                  | 2.19 | 56   | 24652    | 104.40 | ug/l  | 93     |
| 14) Allyl chloride            | 2.59 | 41   | 68525    | 18.79  | ug/l  | 98     |
| 15) Acrylonitrile             | 2.94 | 53   | 129527   | 100.63 | ug/l  | 96     |
| 16) Acetone                   | 2.32 | 43   | 143990   | 100.30 | ug/l  | 97     |
| 17) Carbon Disulfide          | 2.48 | 76   | 117693   | 17.92  | ug/l  | 99     |
| 18) Methyl Acetate            | 2.62 | 43   | 82411    | 23.85  | ug/l  | 100    |
| 19) Methyl tert-butyl Ether   | 3.00 | 73   | 146124   | 19.87  | ug/l  | 100    |
| 20) Methylene Chloride        | 2.70 | 84   | 47279    | 18.58  | ug/l  | 94     |
| 21) trans-1,2-Dichloroethene  | 2.99 | 96   | 45916    | 19.57  | ug/l  | 97     |
| 22) Diisopropyl ether         | 3.57 | 45   | 143641   | 19.99  | ug/l  | 97     |
| 23) Vinyl Acetate             | 3.53 | 43   | 610358   | 97.47  | ug/l  | 100    |
| 24) 1,1-Dichloroethane        | 3.45 | 63   | 86573    | 20.07  | ug/l  | 99     |
| 25) 2-Butanone                | 4.27 | 43   | 200964   | 102.83 | ug/l  | 100    |
| 26) 2,2-Dichloropropane       | 4.23 | 77   | 78493    | 20.02  | ug/l  | 99     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96   | 51471    | 19.46  | ug/l  | 99     |
| 28) Bromochloromethane        | 4.55 | 49   | 40079    | 20.78  | ug/l  | 97     |
| 29) Tetrahydrofuran           | 4.64 | 42   | 115318   | 98.49  | ug/l  | 99     |
| 30) Chloroform                | 4.68 | 83   | 90536    | 19.88  | ug/l  | 99     |
| 31) Cyclohexane               | 5.00 | 56   | 74364    | 18.98  | ug/l  | 98     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97   | 80607    | 19.66  | ug/l  | 99     |
| 36) 1,1-Dichloropropene       | 5.14 | 75   | 63370    | 18.86  | ug/l  | 97     |
| 37) Ethyl Acetate             | 4.38 | 43   | 67795    | 19.46  | ug/l  | 99     |
| 38) Carbon Tetrachloride      | 5.14 | 117  | 70890    | 18.63  | ug/l  | 93     |

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 Sample : VU0801WBS03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

Quant Time: Aug 02 03:54:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 16:07:47 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 71414    | 18.55  | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 187079   | 19.05  | ug/l   | 96       |
| 41) Methacrylonitrile          | 4.55  | 41   | 38362    | 19.82  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 73775    | 19.51  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 111494   | 19.36  | ug/l   | 100      |
| 44) Trichloroethene            | 6.19  | 130  | 52432    | 19.17  | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 6.44  | 63   | 49275    | 19.24  | ug/l   | 98       |
| 46) Dibromomethane             | 6.56  | 93   | 34507    | 18.59  | ug/l   | 97       |
| 47) Bromodichloromethane       | 6.76  | 83   | 68493    | 19.34  | ug/l   | 95       |
| 48) Methyl methacrylate        | 6.63  | 41   | 55160    | 19.55  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 26831    | 390.71 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 353178   | 97.98  | ug/l   | 100      |
| 52) Toluene                    | 7.64  | 92   | 122094   | 20.01  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 77544    | 19.51  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 81094    | 19.86  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 48452    | 19.11  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 70503    | 19.46  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 8.25  | 76   | 83448    | 19.57  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 137311   | 88.39  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.36  | 43   | 280028   | 99.10  | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.48  | 129  | 55647    | 18.61  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 54549    | 19.34  | ug/l   | 99       |
| 64) Tetrachloroethene          | 8.23  | 164  | 46683    | 19.23  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.12  | 112  | 137455   | 19.33  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 51734    | 20.11  | ug/l   | 100      |
| 67) Ethyl Benzene              | 9.25  | 91   | 229833   | 19.51  | ug/l   | 100      |
| 68) m/p-Xylenes                | 9.38  | 106  | 179772   | 39.75  | ug/l   | 100      |
| 69) o-Xylene                   | 9.78  | 106  | 85490    | 19.34  | ug/l   | 95       |
| 70) Styrene                    | 9.80  | 104  | 139282   | 19.51  | ug/l   | 98       |
| 71) Bromoform                  | 9.96  | 173  | 42887    | 19.22  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.17 | 105  | 233654   | 20.26  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.01 | 43   | 96306    | 20.45  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 80204    | 20.11  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.50 | 75   | 91762    | 24.64  | ug/l   | 84       |
| 77) Bromobenzene               | 10.45 | 156  | 62839    | 19.75  | ug/l   | 99       |
| 78) n-propylbenzene            | 10.59 | 91   | 274988   | 20.42  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 163744   | 20.76  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.78 | 105  | 200870   | 20.50  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.50 | 75   | 91762    | 61.79  | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.78 | 91   | 190429   | 20.49  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.10 | 119  | 196787   | 20.22  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 206644   | 20.82  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.33 | 105  | 238261   | 20.05  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 219147   | 20.59  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 115498   | 19.56  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 117742   | 19.13  | ug/l   | 99       |
| 89) n-Butylbenzene             | 11.89 | 91   | 192744   | 19.63  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.15 | 117  | 36351    | 19.21  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 114707   | 19.81  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 19342    | 20.45  | ug/l   | 98       |

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Acq On : 01 Aug 2018 10:57  
Operator : MD/SY  
Sample : VU0801WBS03  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

Quant Time: Aug 02 03:54:39 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 31 16:07:47 2018  
Response via : Initial Calibration

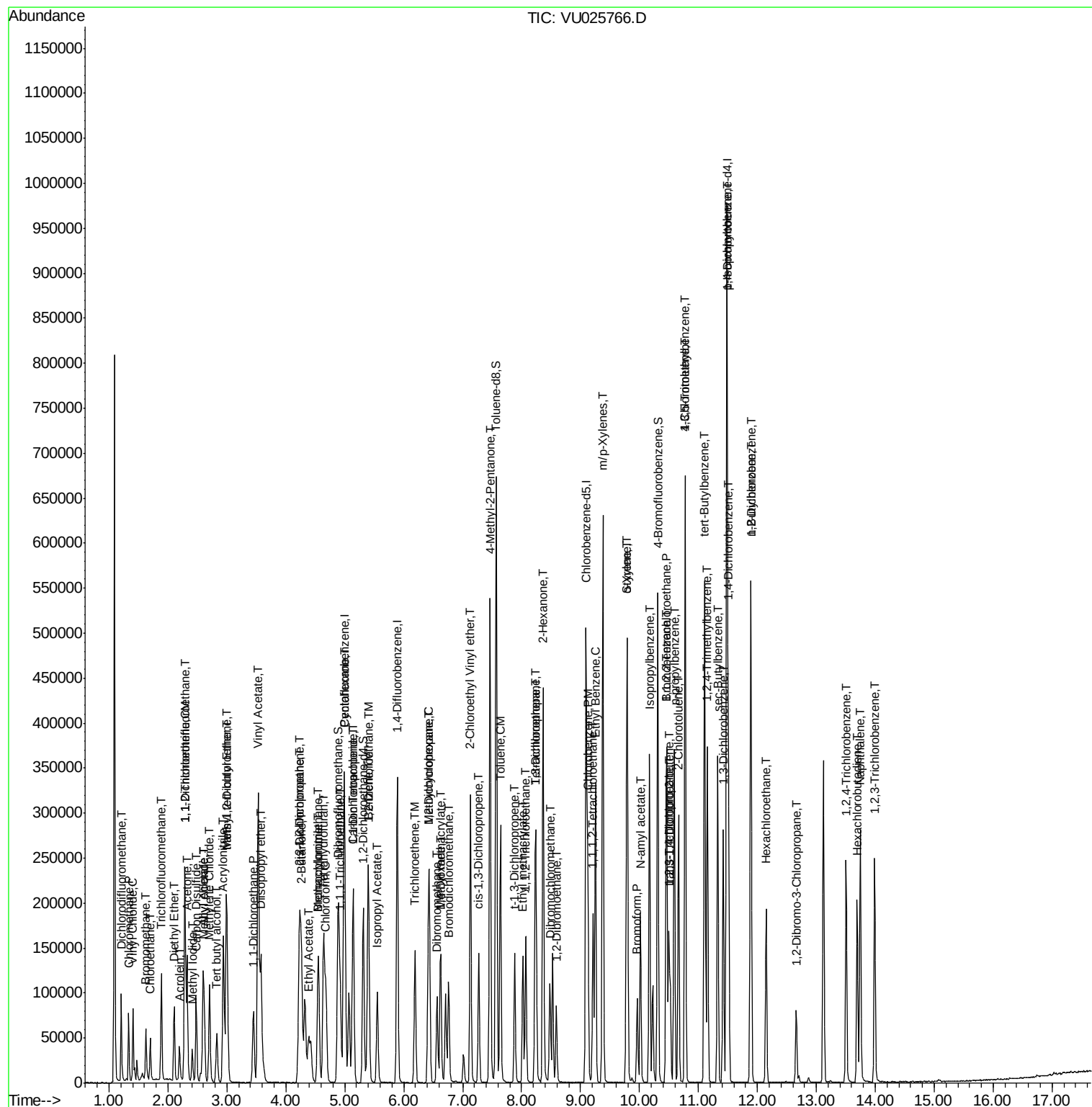
| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.51 | 180  | 78449    | 20.08 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.70 | 225  | 38355    | 18.62 | ug/l  | 98       |
| 95) Naphthalene            | 13.74 | 128  | 236081   | 19.59 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 79134    | 20.30 | ug/l  | 100      |

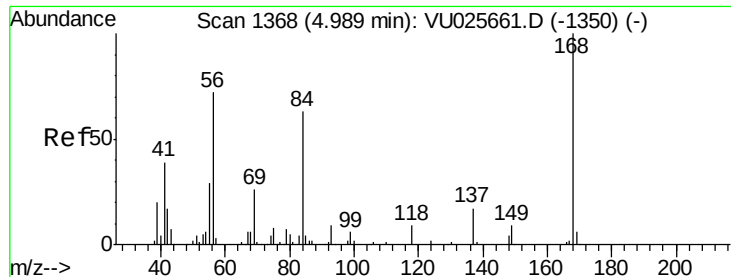
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080118\  
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 Sample : VU0801WBS03  
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 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
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 VU0801WBS03

Quant Time: Aug 02 03:54:39 2018  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U072718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 16:07:47 2018  
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

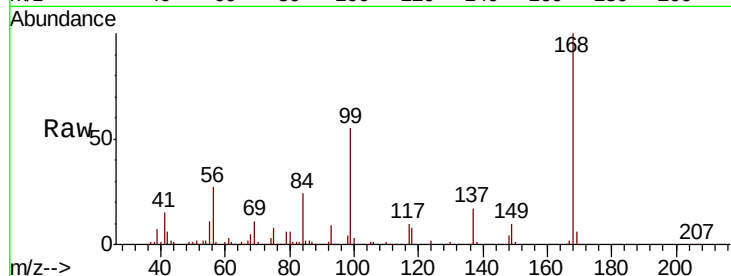
VU0801WBS03

Tot Ion:168 Resp: 188984

Ion Ratio Lower Upper

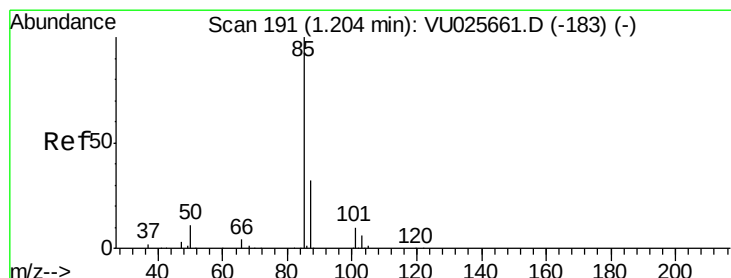
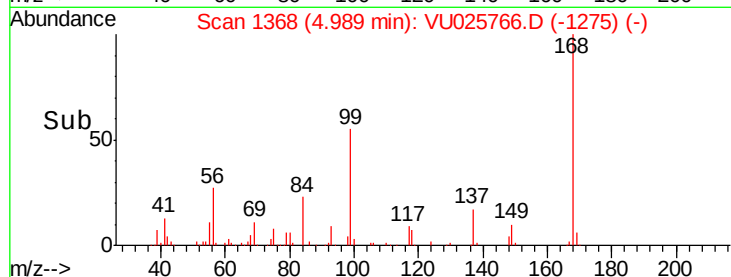
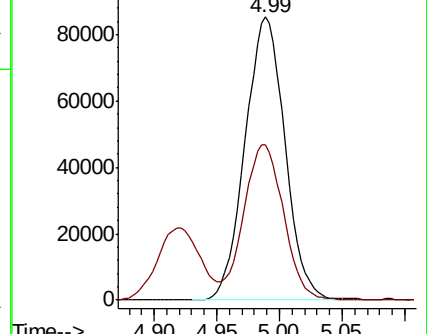
168 100

99 54.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025766.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025766.D (-1350) (-)



#2

Dichlorodifluoromethane

Concen: 20.77 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025766.D

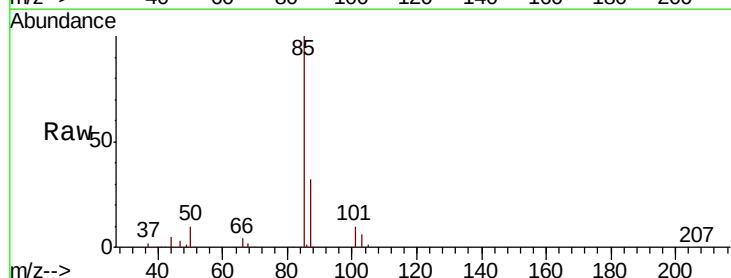
Acq: 01 Aug 2018 10:57

Tgt Ion: 85 Resp: 59329

Ion Ratio Lower Upper

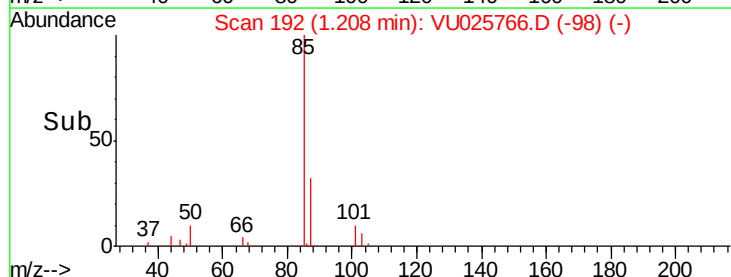
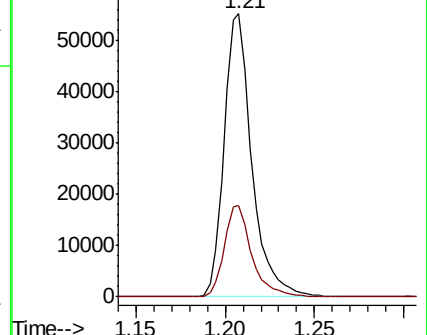
85 100

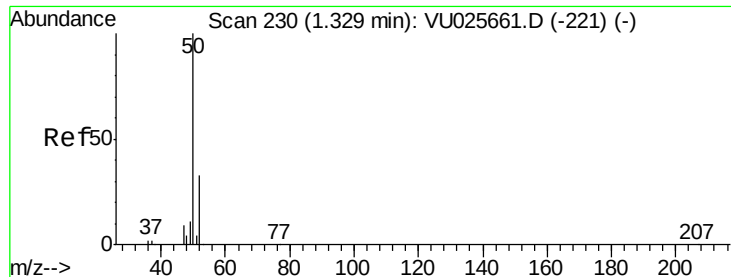
87 32.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025766.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025766.D (-183) (-)

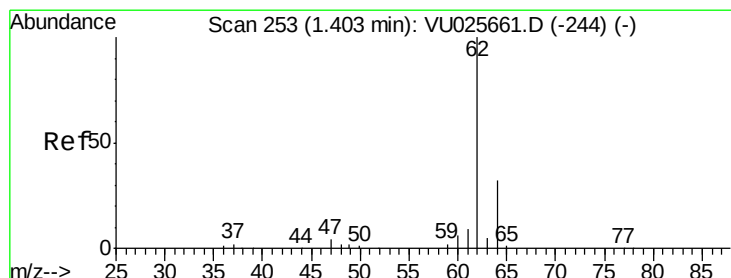
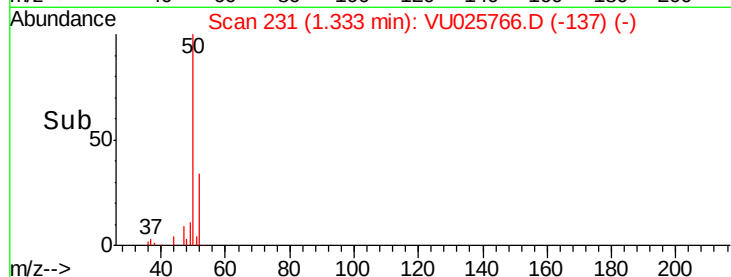
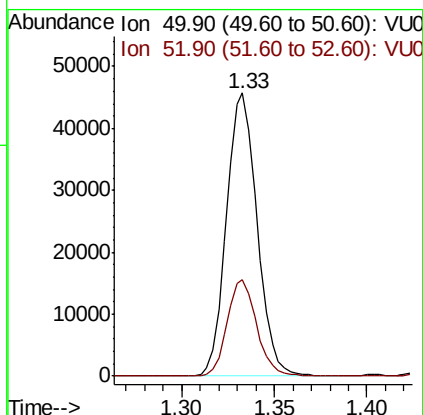
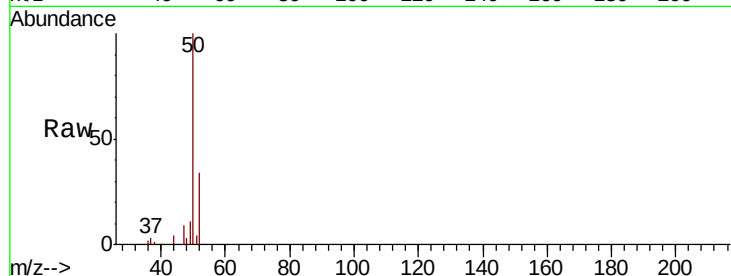




#3  
Chloromethane  
Concen: 19.18 ug/l  
RT: 1.33 min Scan# 231  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

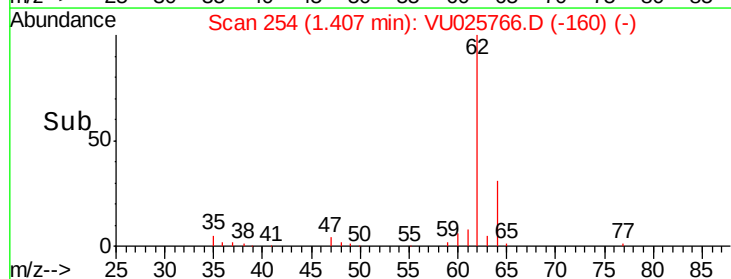
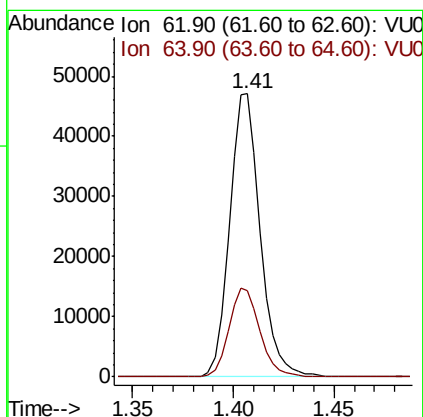
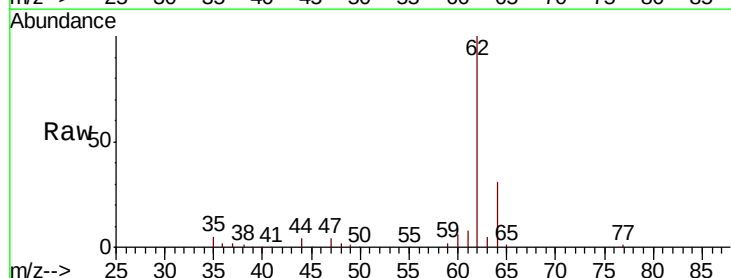
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

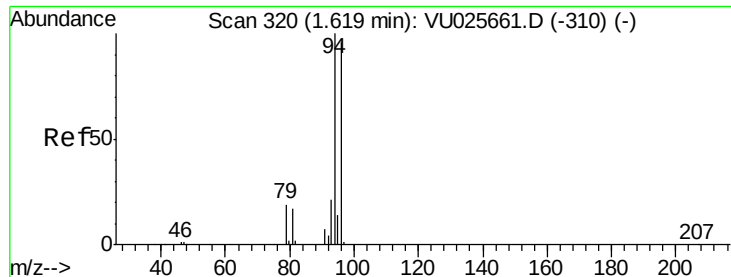
Tot Ion: 50 Resp: 52354  
Ion Ratio Lower Upper  
50 100  
52 34.0 26.5 39.7



#4  
Vinyl Chloride  
Concen: 19.41 ug/l  
RT: 1.41 min Scan# 254  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion: 62 Resp: 49869  
Ion Ratio Lower Upper  
62 100  
64 30.6 25.4 38.0





#5

Bromomethane

Concen: 19.94 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

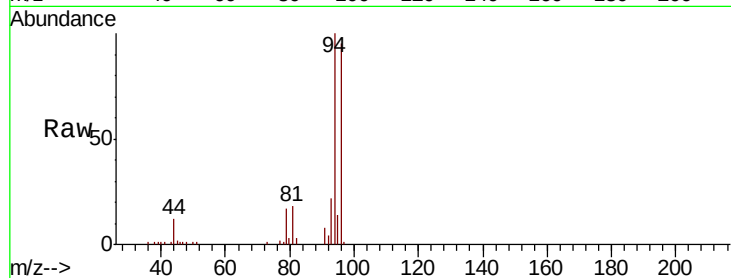
VU0801WBS03

Tot Ion: 94 Resp: 25018

Ion Ratio Lower Upper

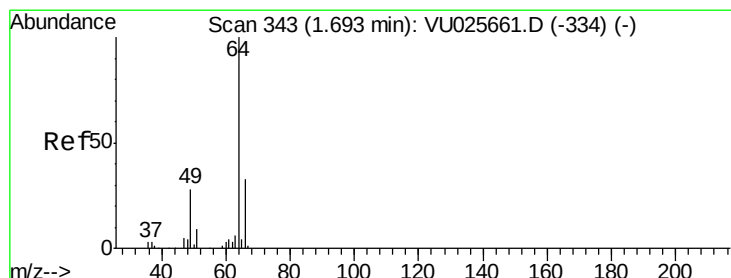
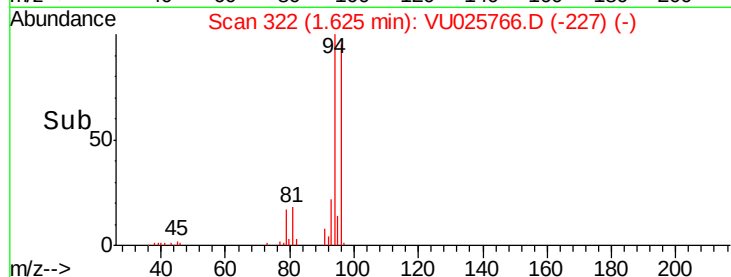
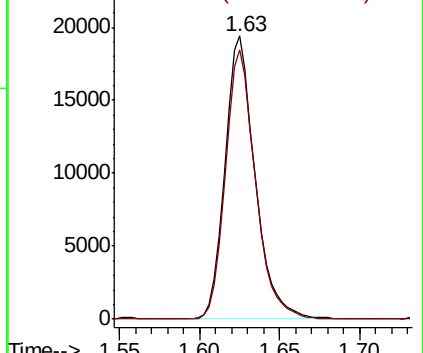
94 100

96 95.0 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.19 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025766.D

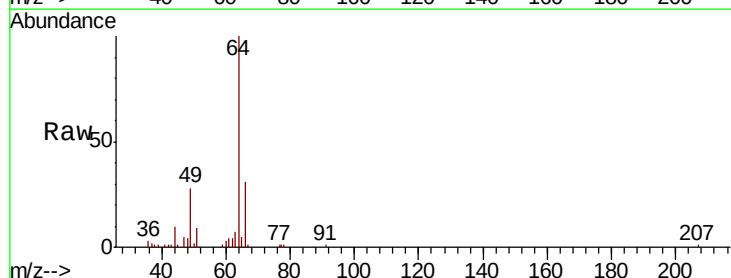
Acq: 01 Aug 2018 10:57

Tgt Ion: 64 Resp: 28835

Ion Ratio Lower Upper

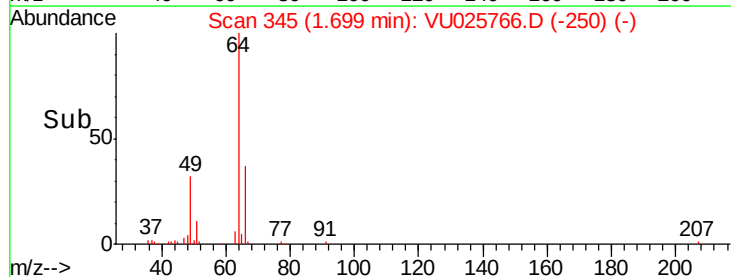
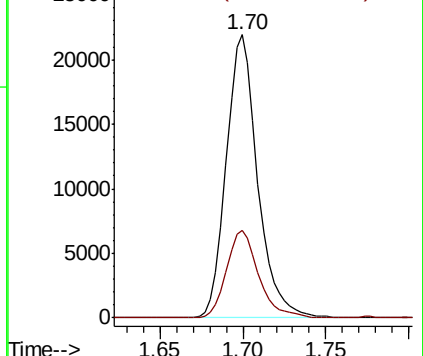
64 100

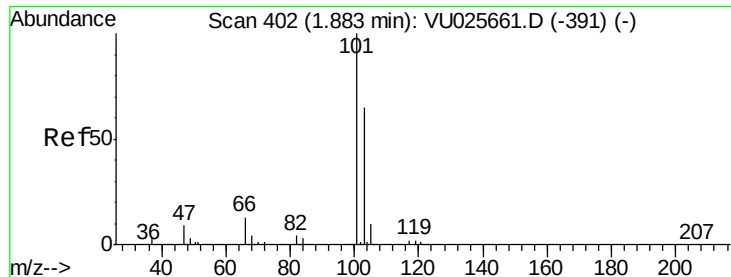
66 31.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 19.35 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

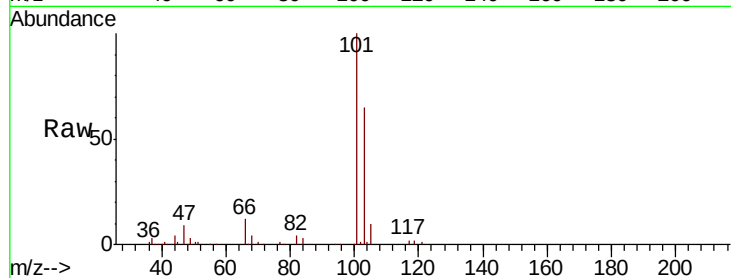
VU0801WBS03

Tot Ion:101 Resp: 71886

Ion Ratio Lower Upper

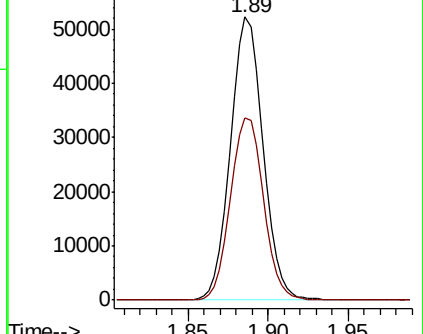
101 100

103 64.6 52.2 78.2

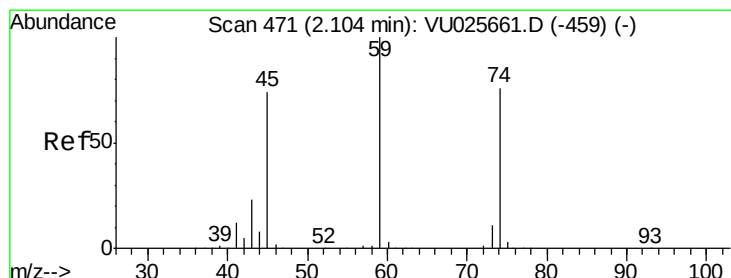
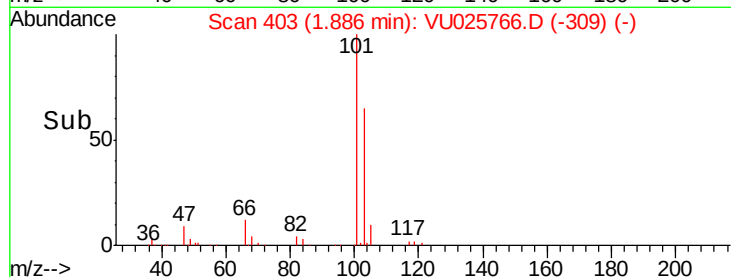


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



#8

Diethyl Ether

Concen: 19.06 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025766.D

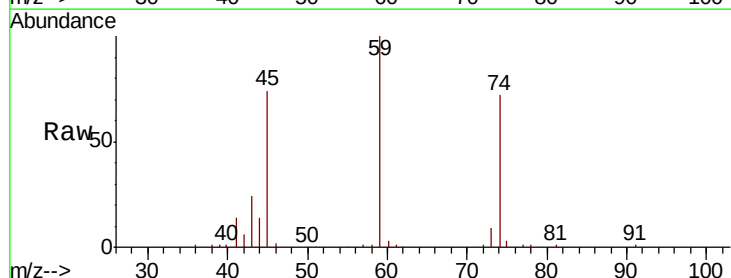
Acq: 01 Aug 2018 10:57

Tgt Ion: 74 Resp: 25621

Ion Ratio Lower Upper

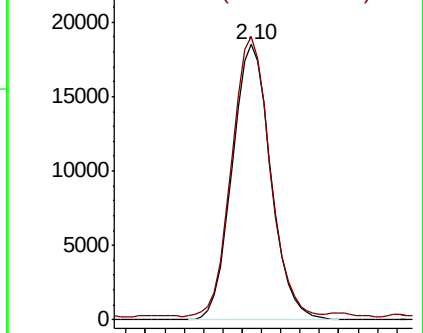
74 100

45 100.0 48.3 144.9

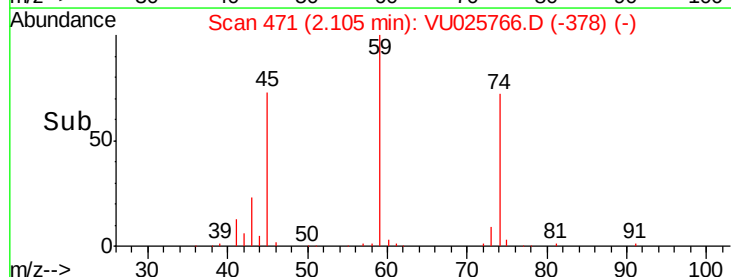


Abundance Ion 74.00 (73.70 to 74.70): VU0

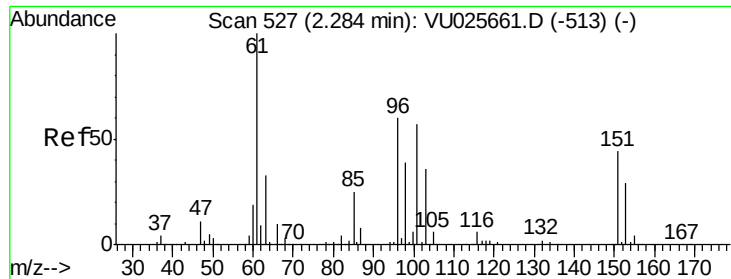
Ion 45.00 (44.70 to 45.70): VU0



Time-->







#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.10 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

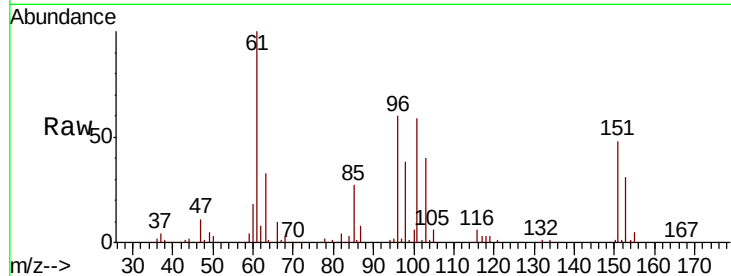
Tot Ion:101 Resp: 43207

Ion Ratio Lower Upper

101 100

85 43.8 36.0 54.0

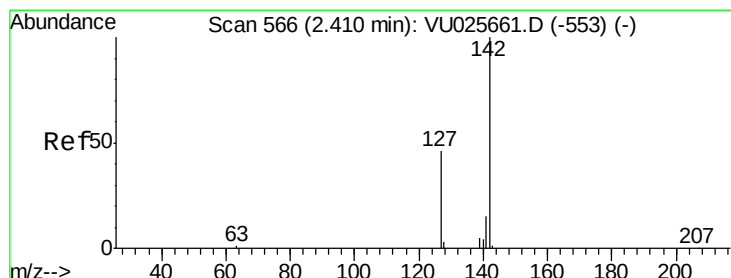
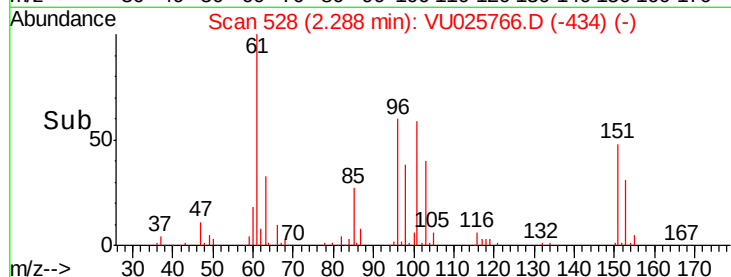
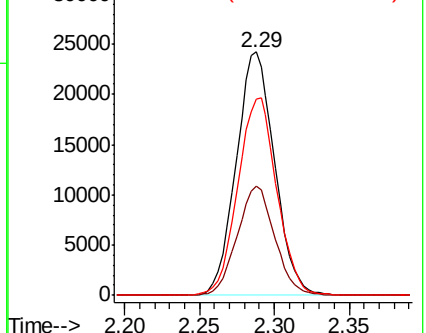
151 82.5 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.21 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

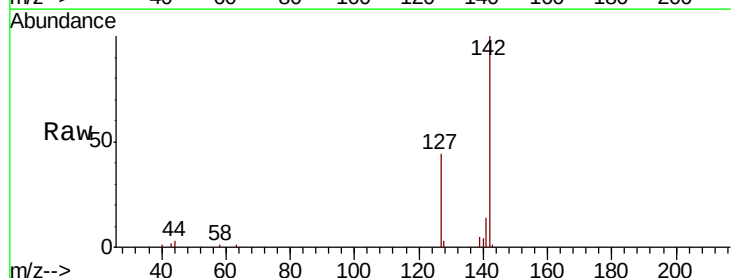
Tgt Ion:142 Resp: 35377

Ion Ratio Lower Upper

142 100

127 44.4 36.5 54.7

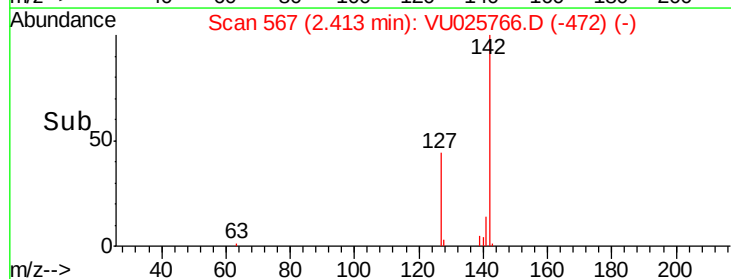
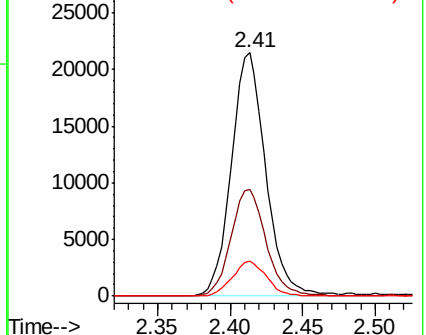
141 14.1 11.4 17.2

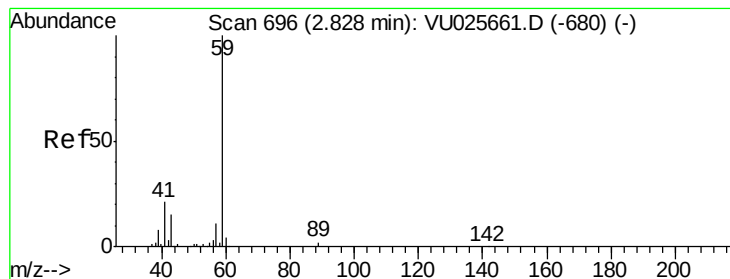


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



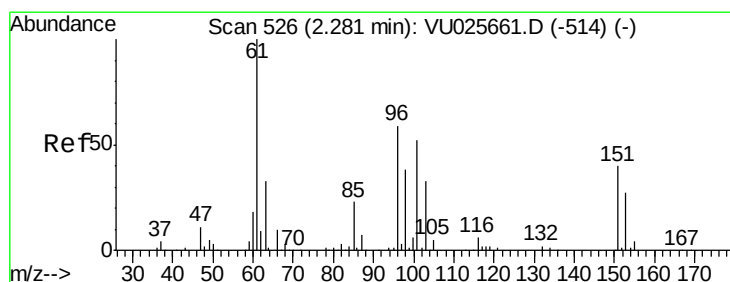
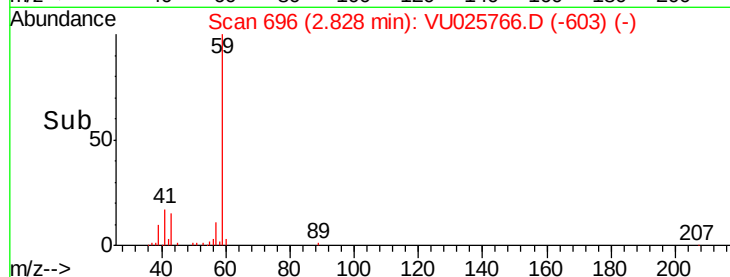
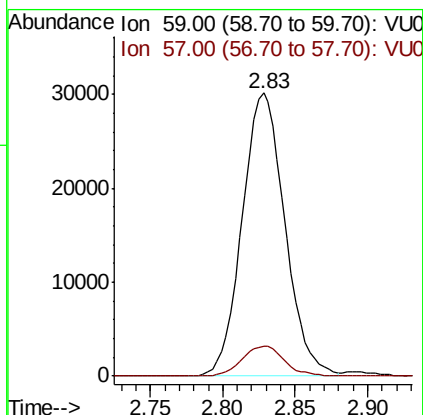
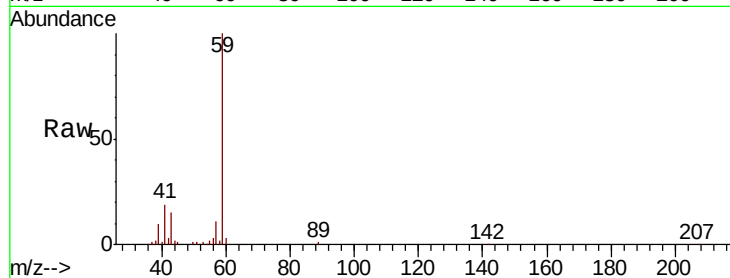


#11

Tert butyl alcohol  
 Concen: 95.69 ug/l  
 RT: 2.83 min Scan# 696  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

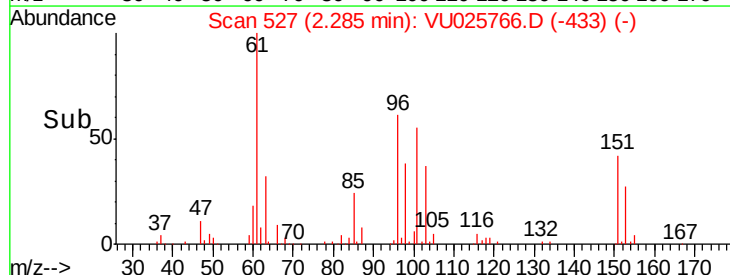
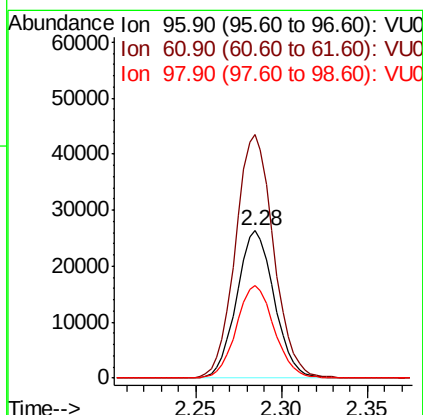
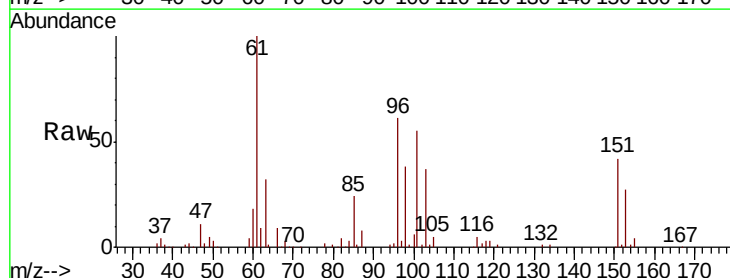
Tot Ion: 59 Resp: 61691  
 Ion Ratio Lower Upper  
 59 100  
 57 10.7 8.2 12.2

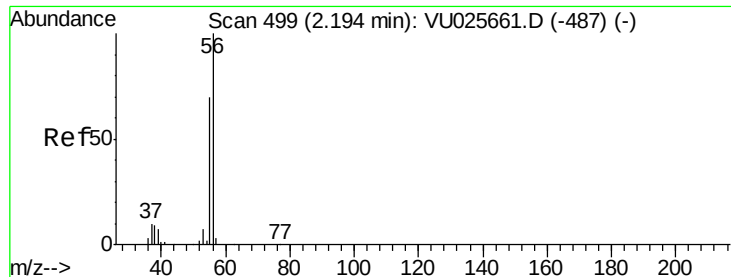


#12

1,1-Dichloroethene  
 Concen: 19.61 ug/l  
 RT: 2.28 min Scan# 527  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Tgt Ion: 96 Resp: 39791  
 Ion Ratio Lower Upper  
 96 100  
 61 165.2 140.2 210.4  
 98 63.2 49.3 73.9





#13

Acrolein

Concen: 104.40 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

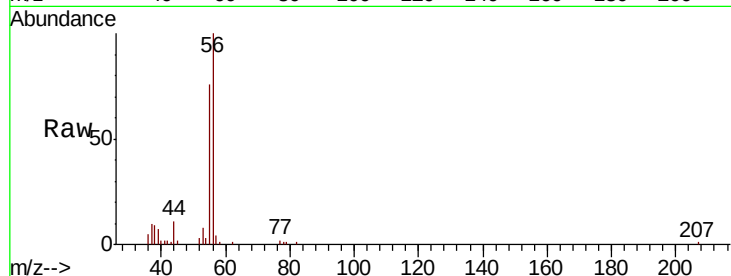
VU0801WBS03

Tot Ion: 56 Resp: 24652

Ion Ratio Lower Upper

56 100

55 77.0 57.2 85.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

15000

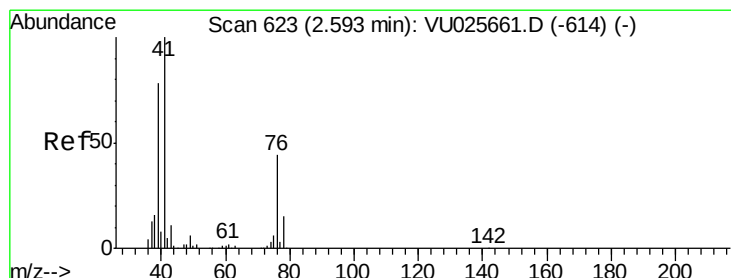
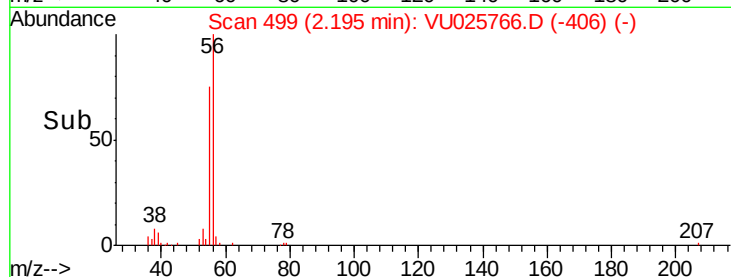
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 18.79 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

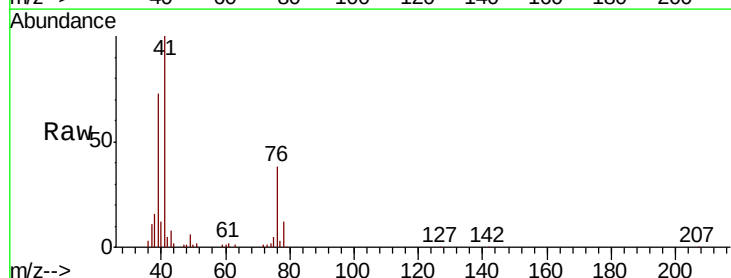
Tgt Ion: 41 Resp: 68525

Ion Ratio Lower Upper

41 100

39 73.2 60.6 91.0

76 38.3 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

50000

40000

30000

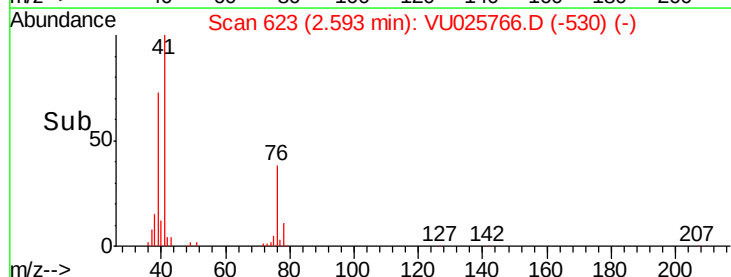
20000

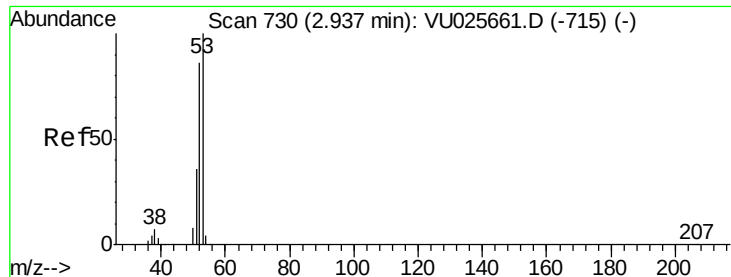
10000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 100.63 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

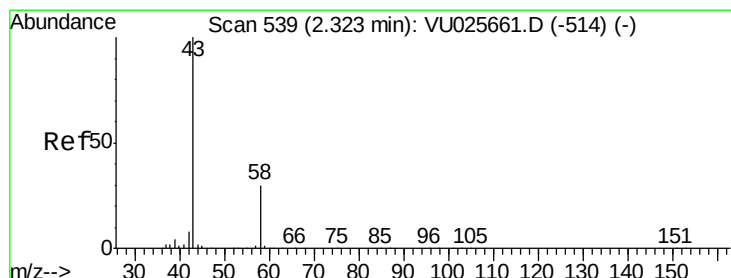
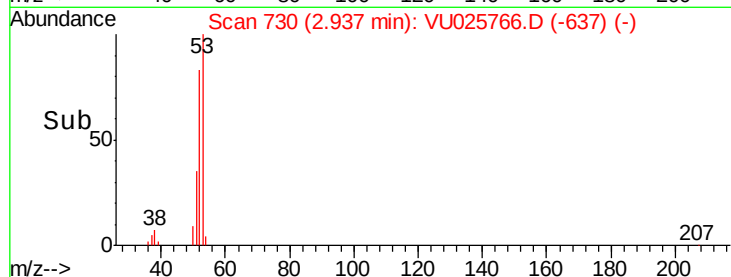
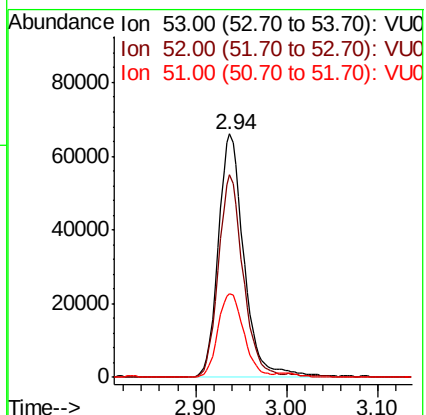
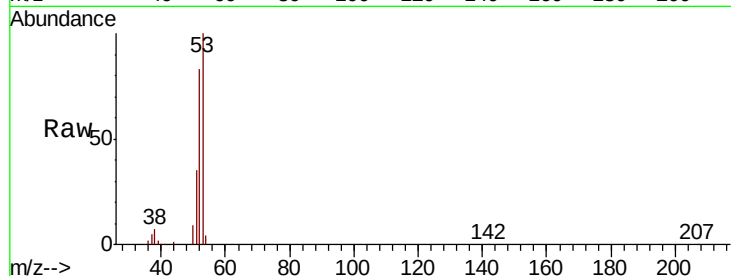
Tot Ion: 53 Resp: 129527

Ion Ratio Lower Upper

53 100

52 79.8 66.6 99.8

51 34.7 29.4 44.2



#16

Acetone

Concen: 100.30 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025766.D

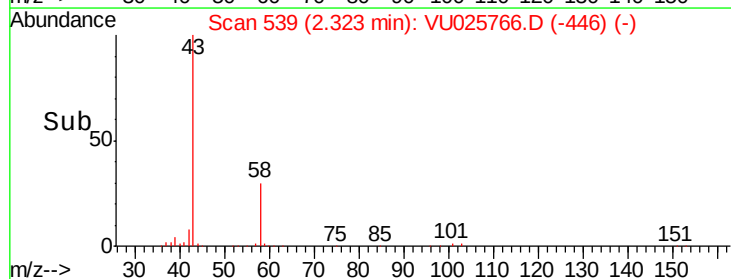
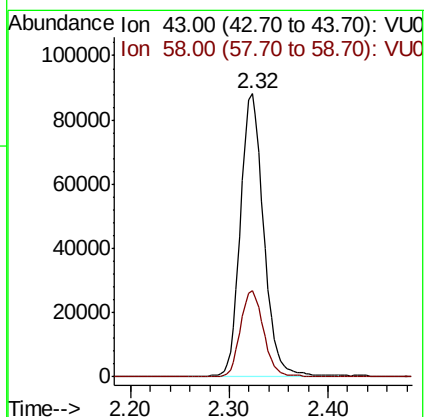
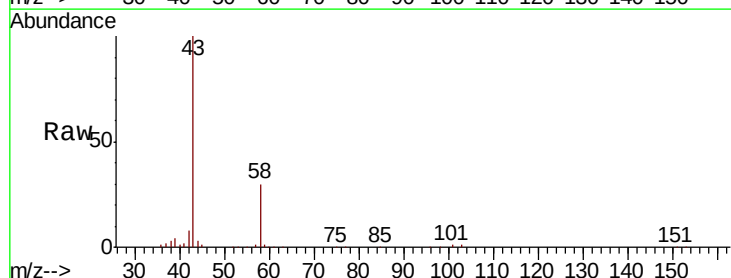
Acq: 01 Aug 2018 10:57

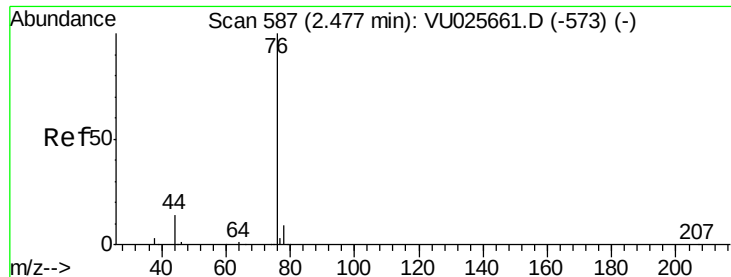
Tgt Ion: 43 Resp: 143990

Ion Ratio Lower Upper

43 100

58 30.4 23.1 34.7

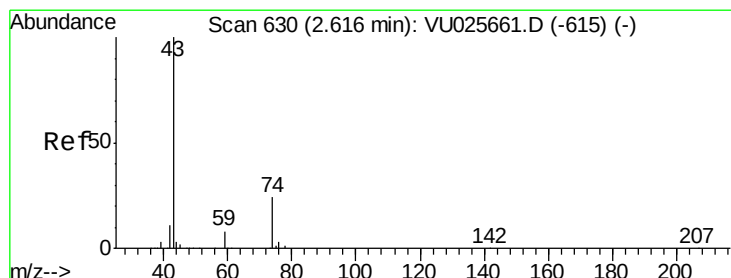
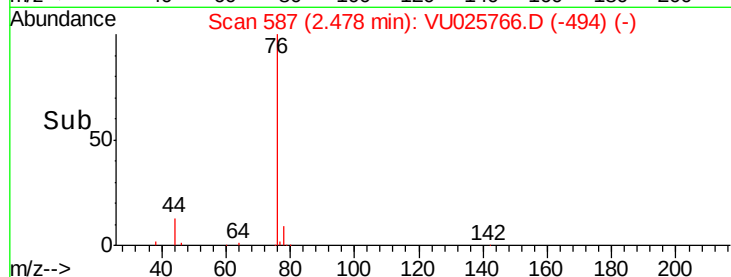
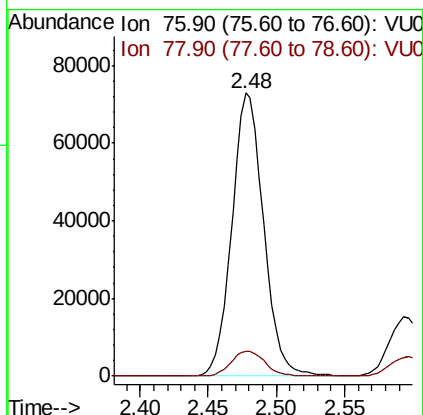
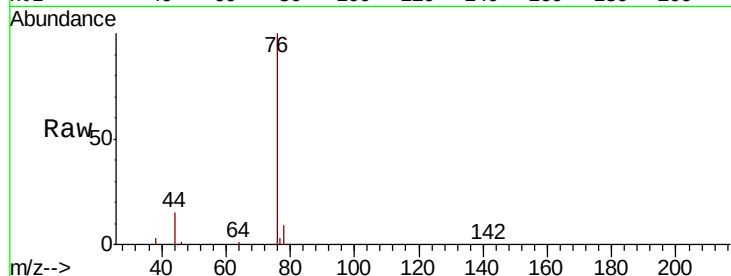




#17  
Carbon Disulfide  
Concen: 17.92 ug/l  
RT: 2.48 min Scan# 587  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

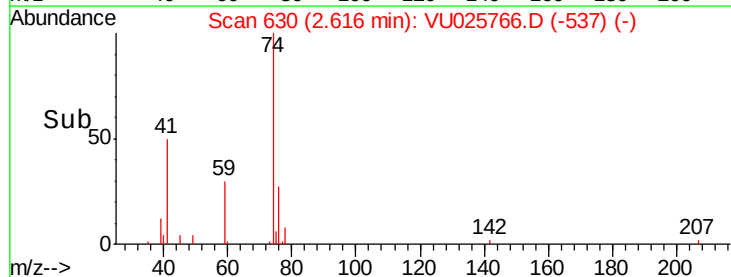
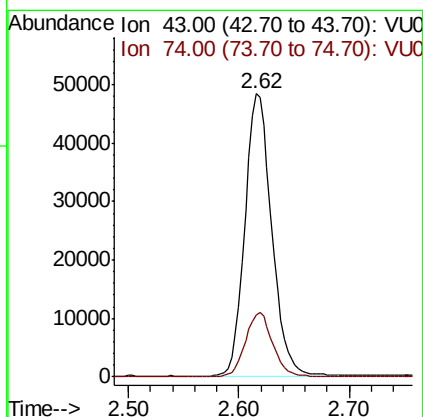
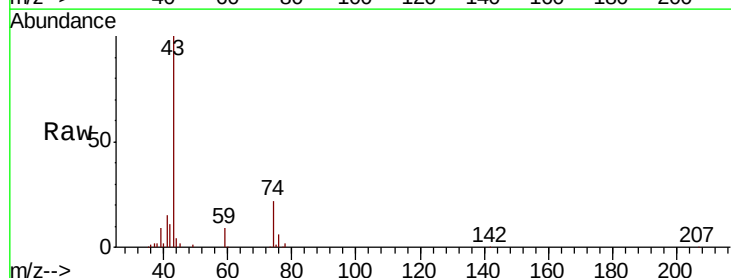
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

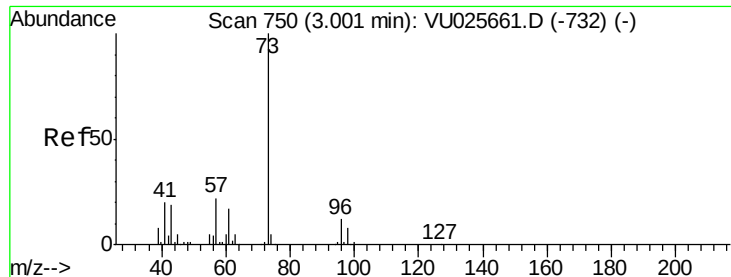
Tot Ion: 76 Resp: 117693  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.4 11.2



#18  
Methyl Acetate  
Concen: 23.85 ug/l  
RT: 2.62 min Scan# 630  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion: 43 Resp: 82411  
Ion Ratio Lower Upper  
43 100  
74 23.0 18.5 27.7

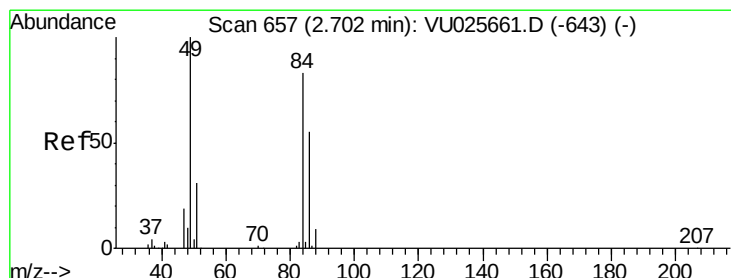
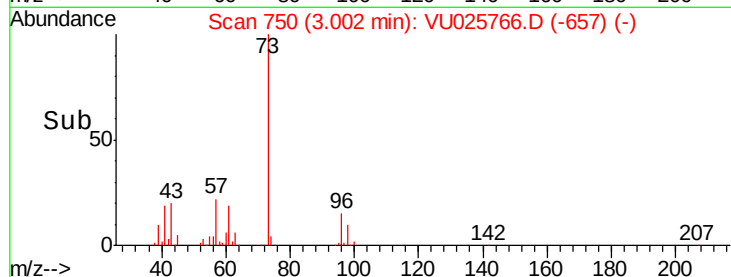
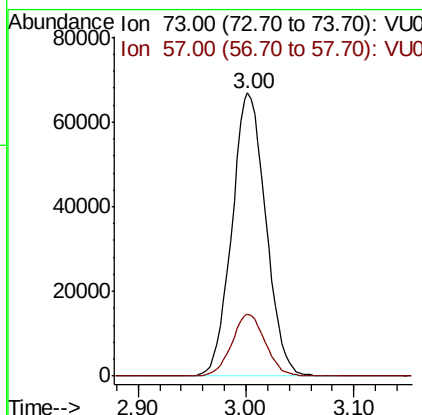
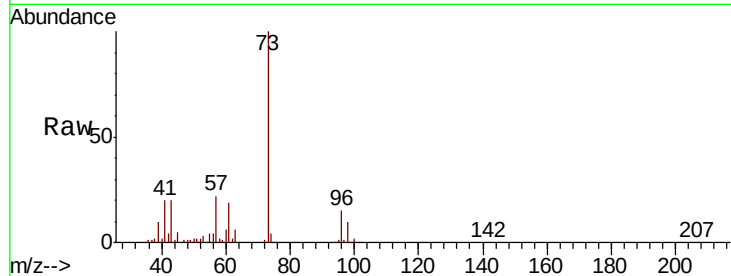




#19  
Methyl tert-butyl Ether  
Concen: 19.87 ug/l  
RT: 3.00 min Scan# 750  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

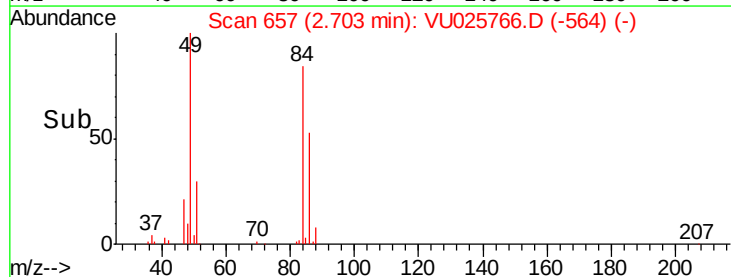
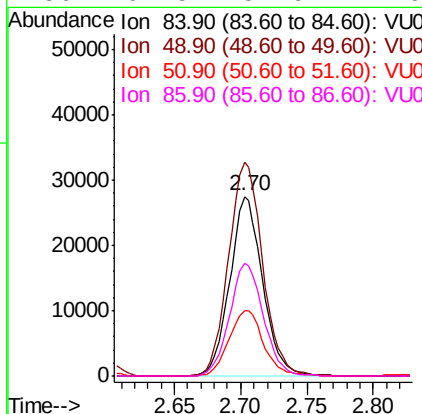
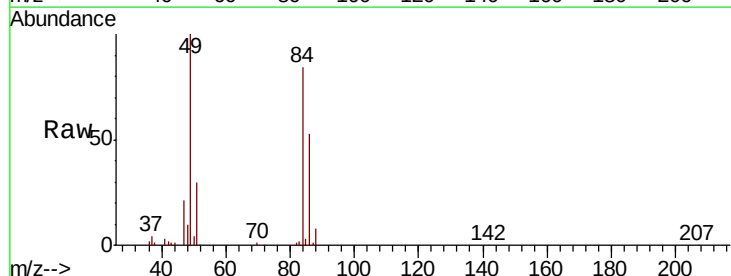
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

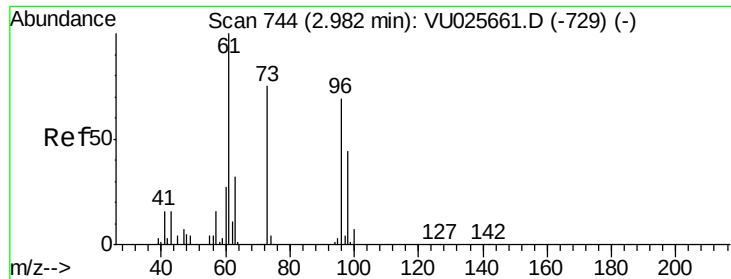
Tot Ion: 73 Resp: 146124  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.4 26.2



#20  
Methylene Chloride  
Concen: 18.58 ug/l  
RT: 2.70 min Scan# 657  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion: 84 Resp: 47279  
Ion Ratio Lower Upper  
84 100  
49 118.8 101.8 152.6  
51 36.2 30.8 46.2  
86 62.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 19.57 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

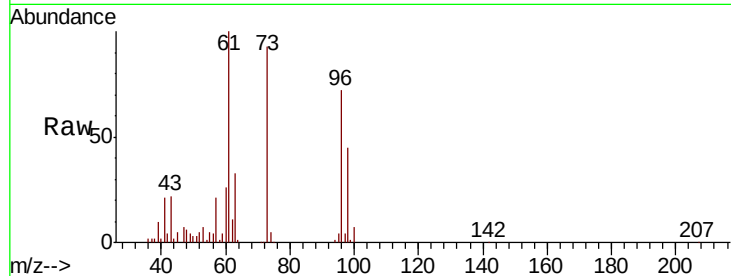
Tot Ion: 96 Resp: 45916

Ion Ratio Lower Upper

96 100

61 138.8 114.5 171.7

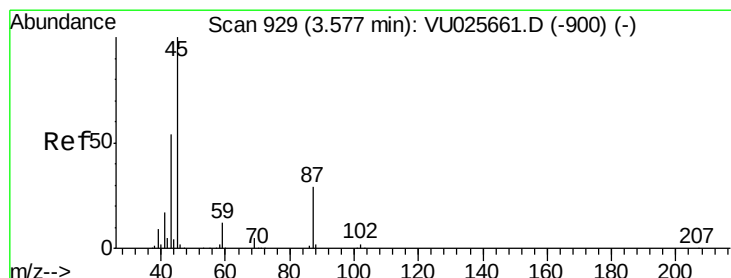
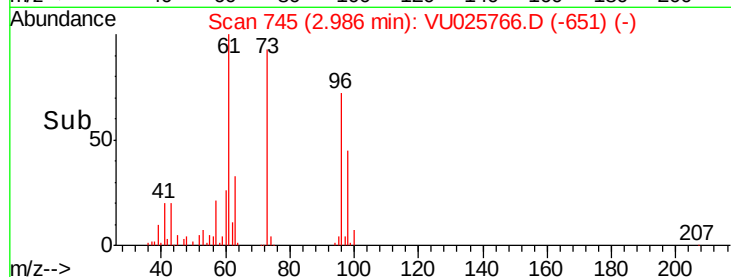
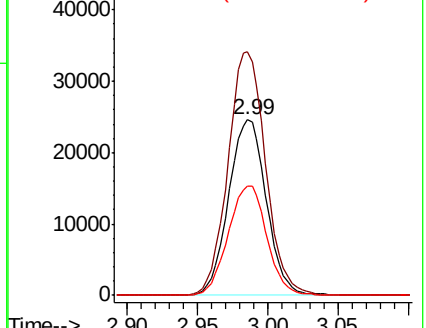
98 62.2 50.5 75.7



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.99 ug/l

RT: 3.57 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion: 45 Resp: 143641

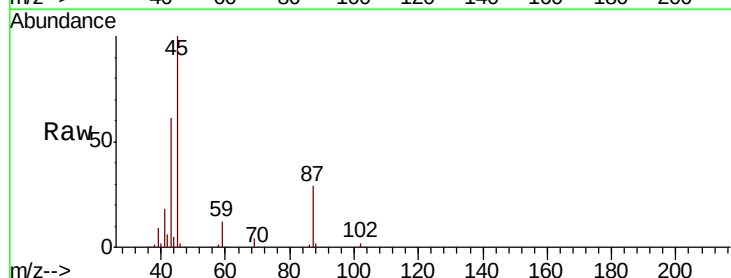
Ion Ratio Lower Upper

45 100

43 59.5 50.9 76.3

87 29.5 23.8 35.8

59 11.6 9.0 13.4

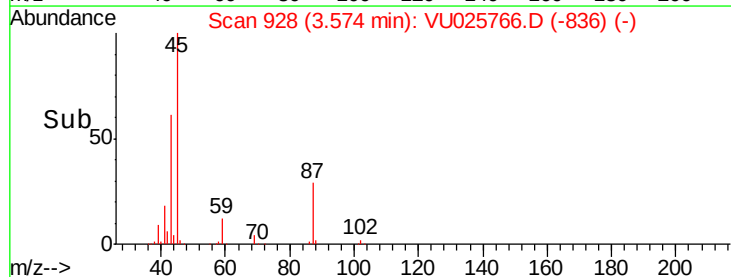
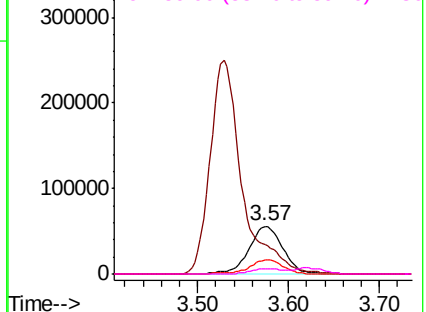


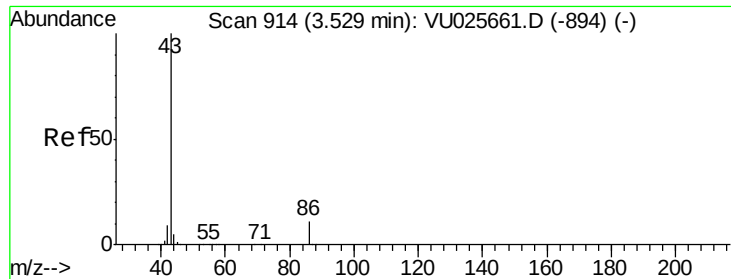
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 97.47 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampled :

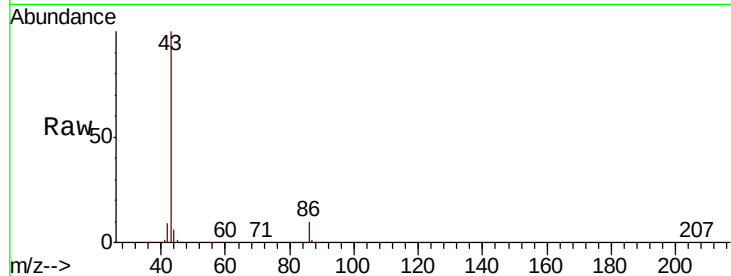
VU0801WBS03

Tot Ion: 43 Resp: 610358

Ion Ratio Lower Upper

43 100

86 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

250000

200000

150000

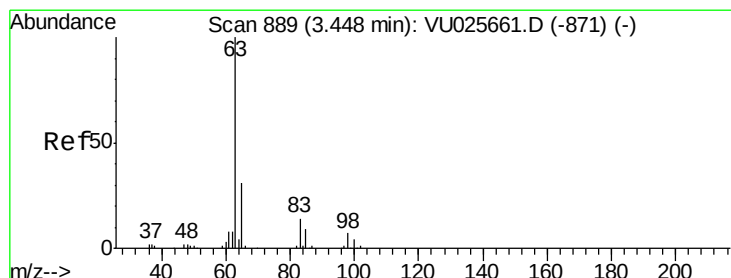
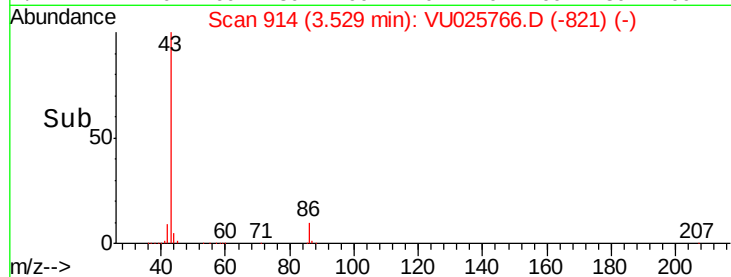
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.07 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

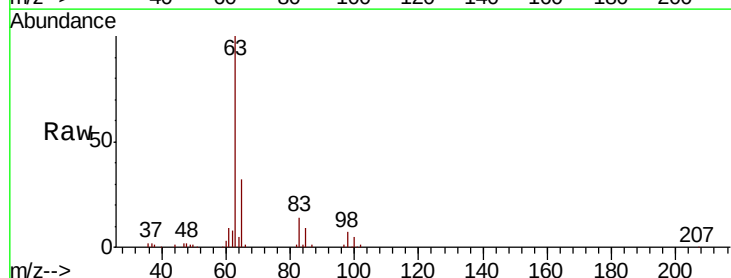
Tgt Ion: 63 Resp: 86573

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

50000

40000

30000

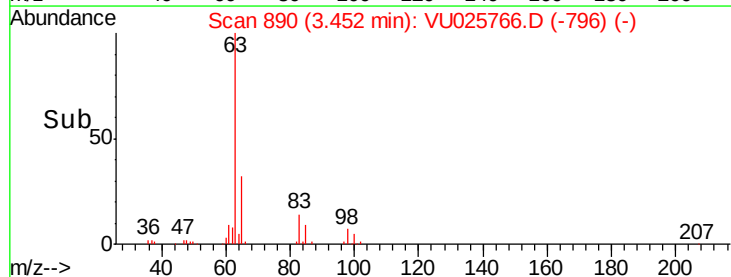
20000

10000

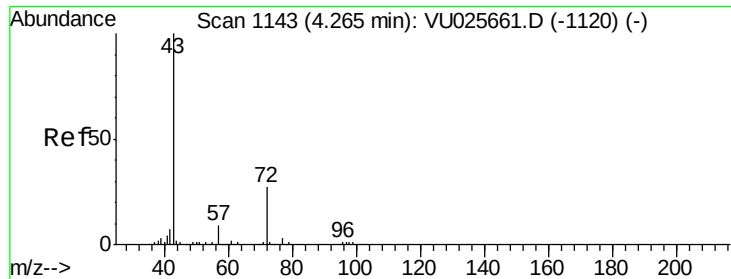
0

3.35 3.40 3.45 3.50 3.55

Time-->



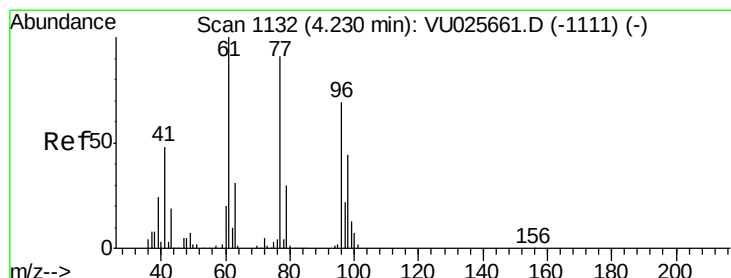
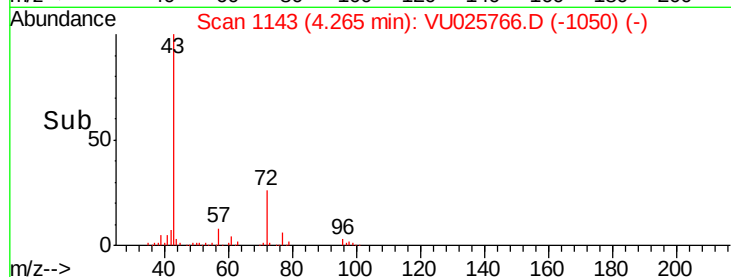
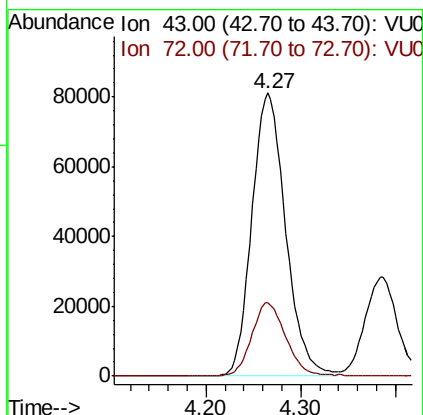
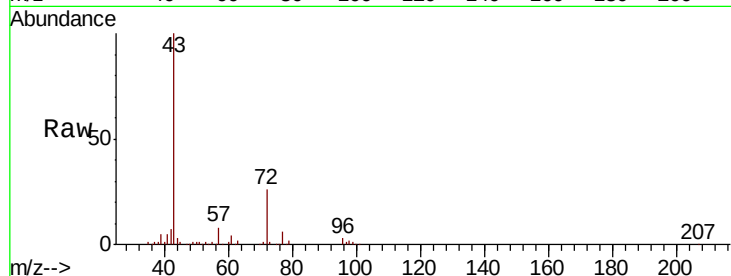




#25  
 2-Butanone  
 Concen: 102.83 ug/l  
 RT: 4.27 min Scan# 1143  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

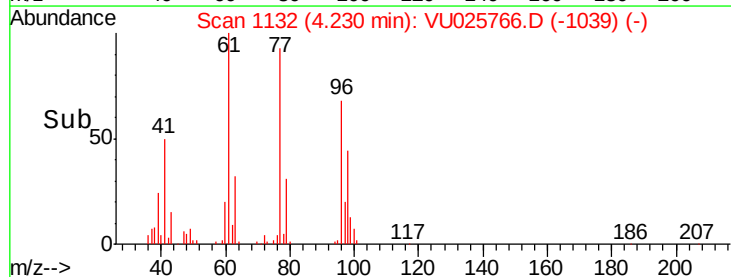
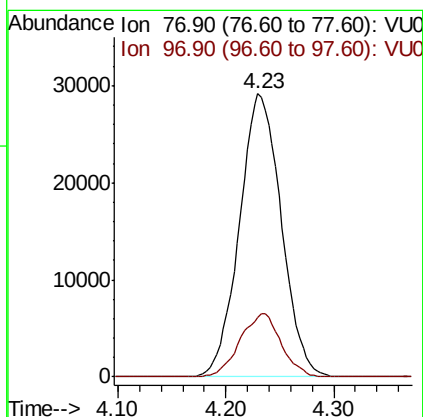
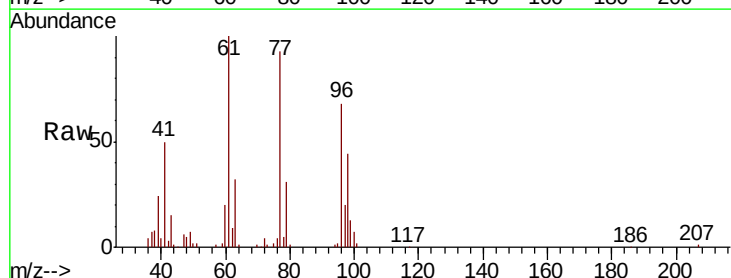
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

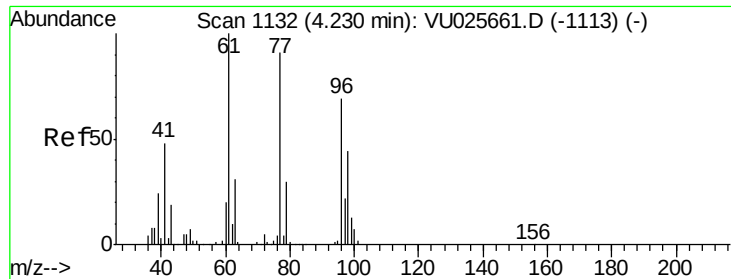
Tot Ion: 43 Resp: 200964  
 Ion Ratio Lower Upper  
 43 100  
 72 26.1 21.0 31.4



#26  
 2,2-Dichloropropane  
 Concen: 20.02 ug/l  
 RT: 4.23 min Scan# 1132  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Tgt Ion: 77 Resp: 78493  
 Ion Ratio Lower Upper  
 77 100  
 97 21.9 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.46 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

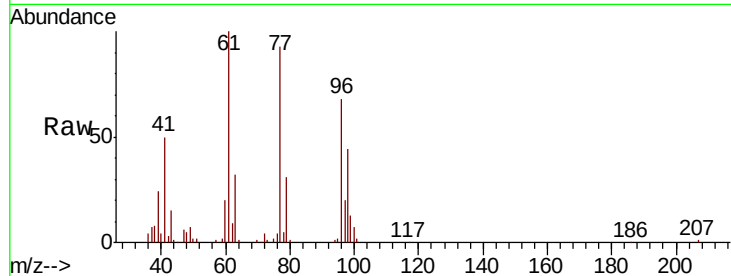
Tot Ion: 96 Resp: 51471

Ion Ratio Lower Upper

96 100

61 149.1 0.0 299.8

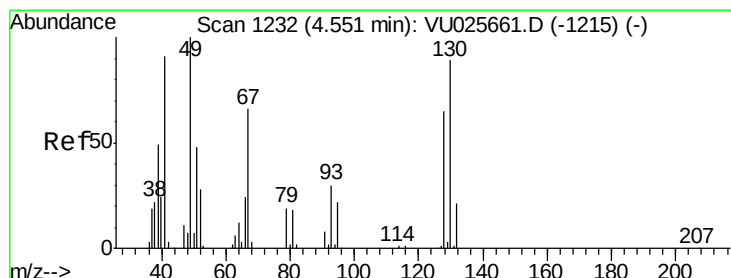
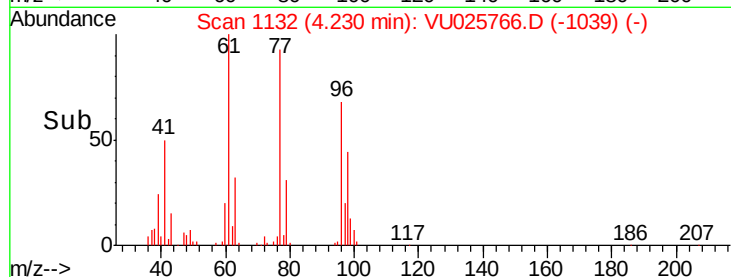
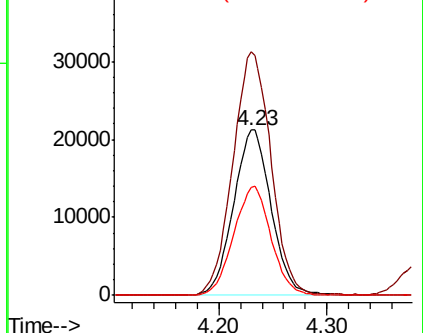
98 65.6 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 20.78 ug/l

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

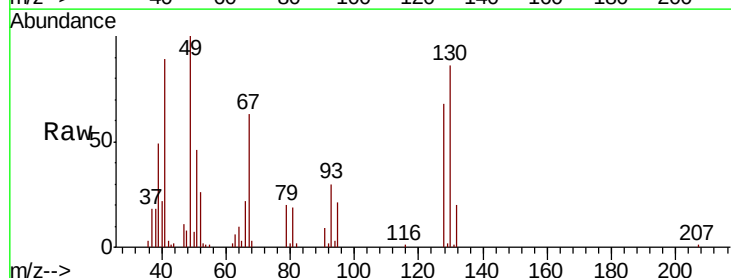
Tgt Ion: 49 Resp: 40079

Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.6

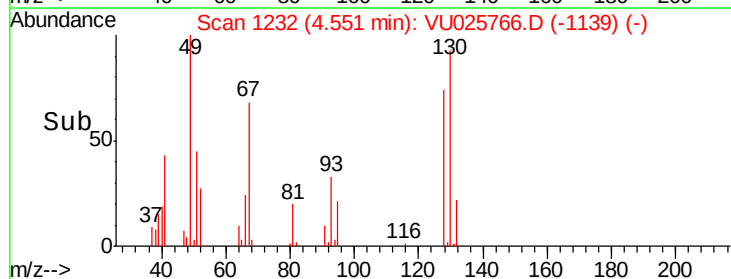
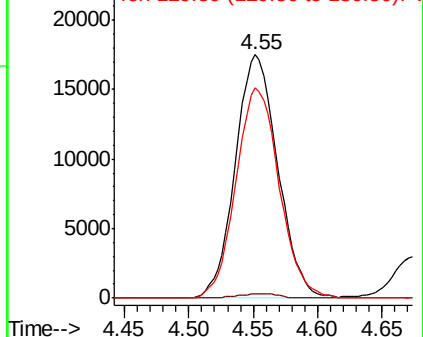
130 88.1 68.6 102.8

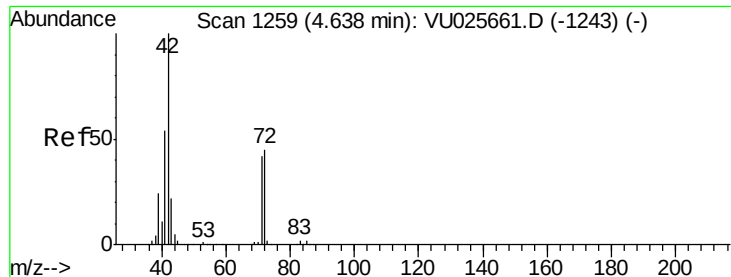


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.49 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

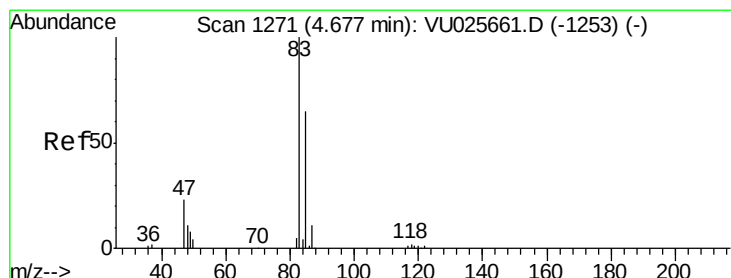
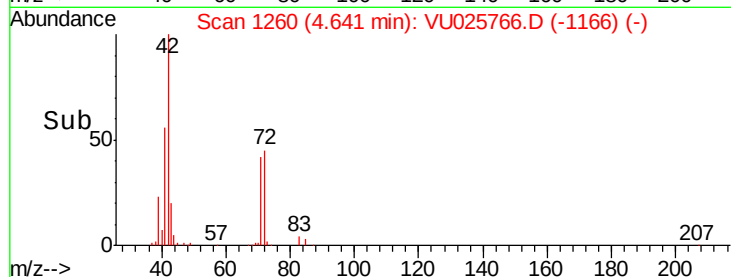
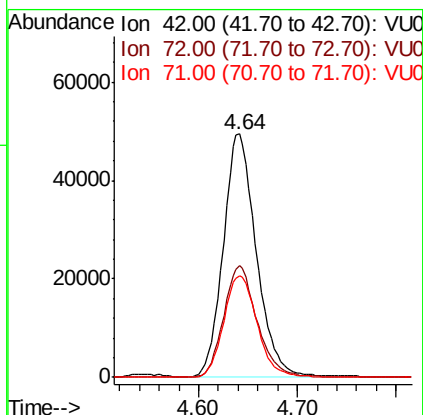
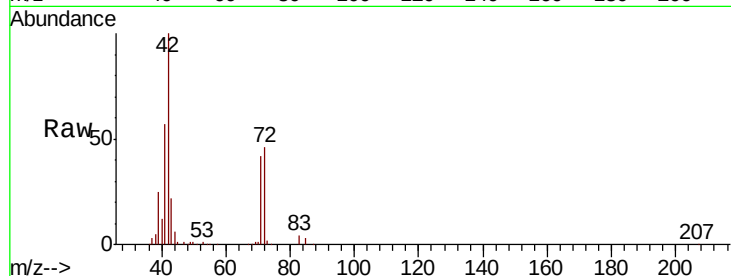
Tot Ion: 42 Resp: 115318

Ion Ratio Lower Upper

42 100

72 46.6 36.7 55.1

71 42.5 33.9 50.9



#30

Chloroform

Concen: 19.88 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU025766.D

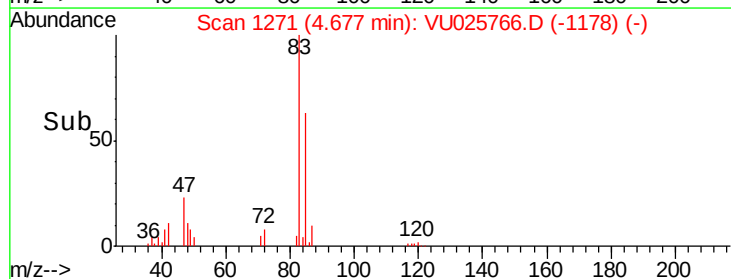
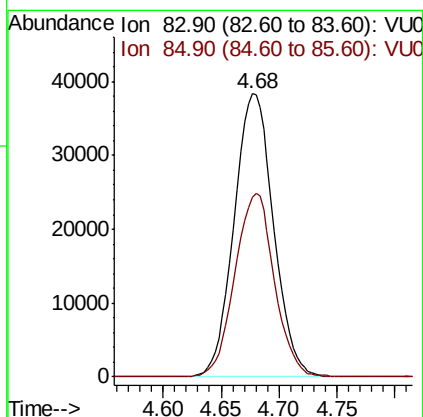
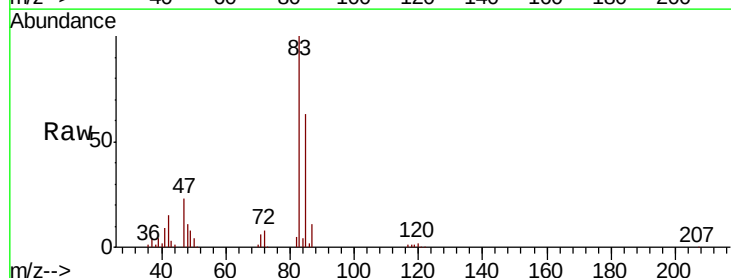
Acq: 01 Aug 2018 10:57

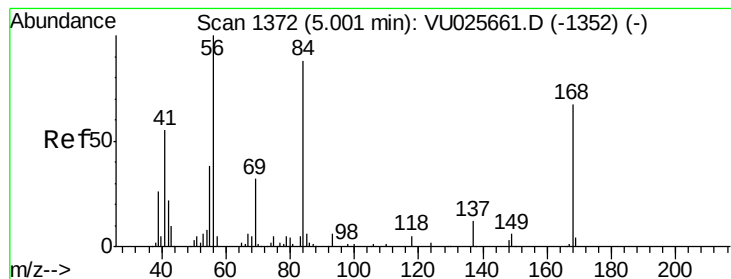
Tgt Ion: 83 Resp: 90536

Ion Ratio Lower Upper

83 100

85 63.4 51.5 77.3





#31

Cyclohexane

Concen: 18.98 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

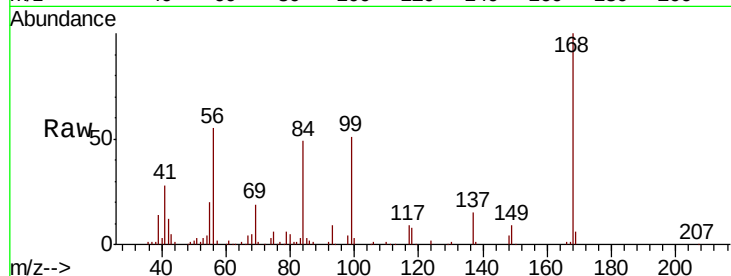
Tot Ion: 56 Resp: 74364

Ion Ratio Lower Upper

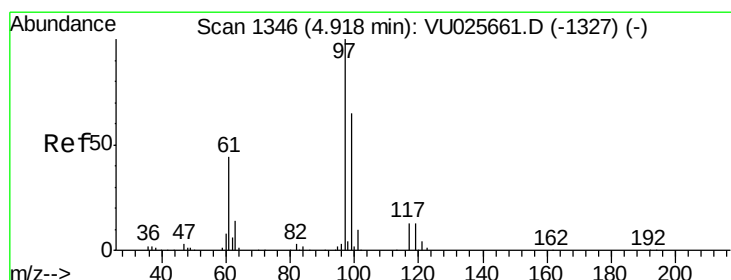
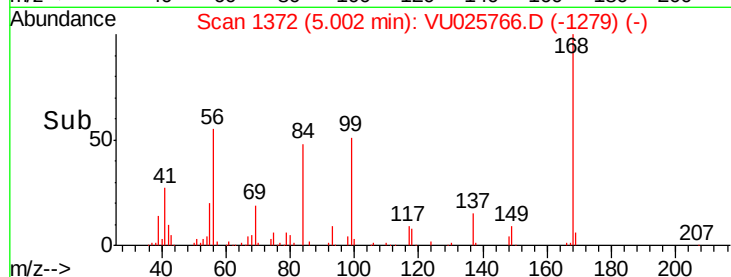
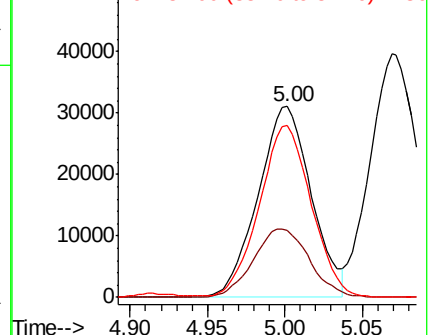
56 100

69 34.9 26.8 40.2

84 89.3 69.7 104.5



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



#32

1,1,1-Trichloroethane

Concen: 19.66 ug/l

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

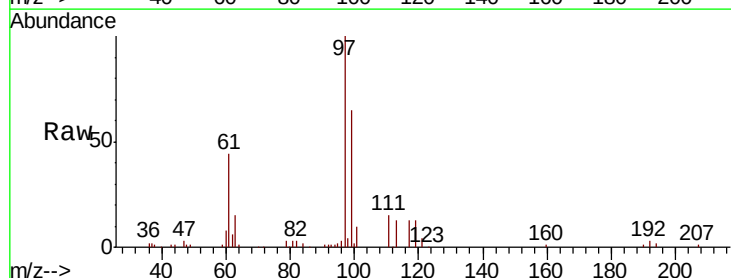
Tgt Ion: 97 Resp: 80607

Ion Ratio Lower Upper

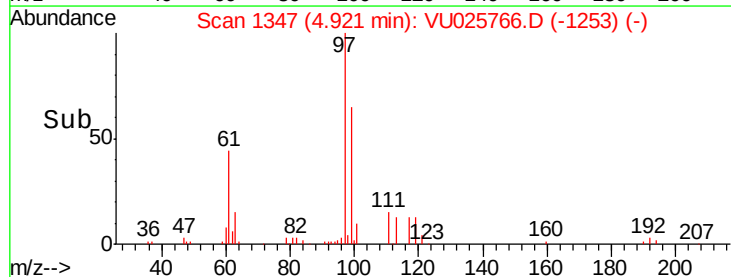
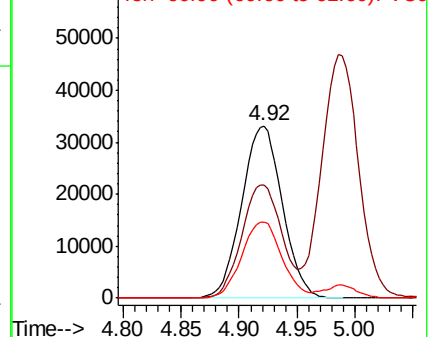
97 100

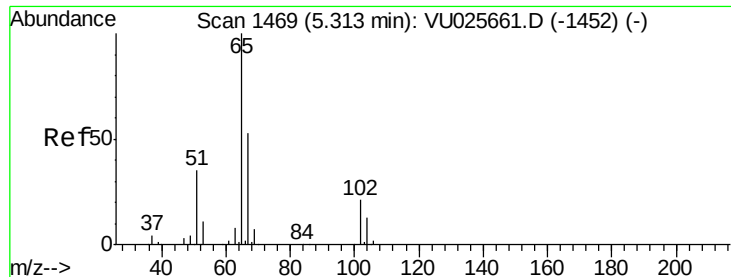
99 64.9 50.8 76.2

61 44.0 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VU0  
Ion 98.90 (98.60 to 99.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0

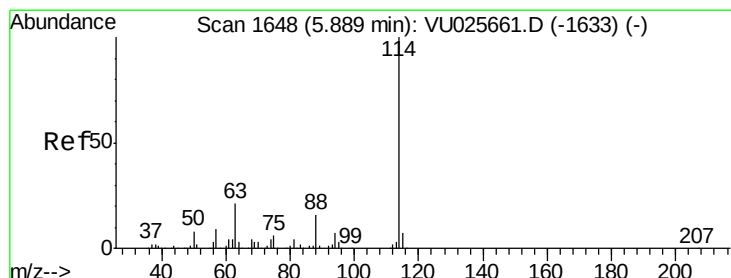
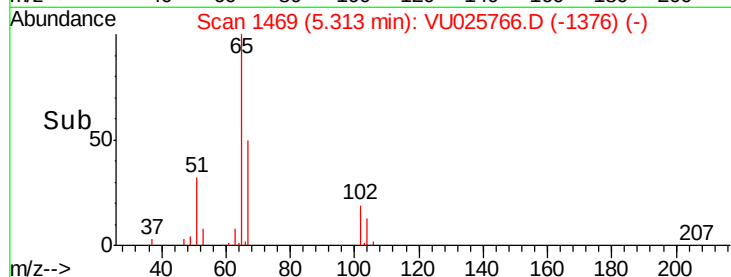
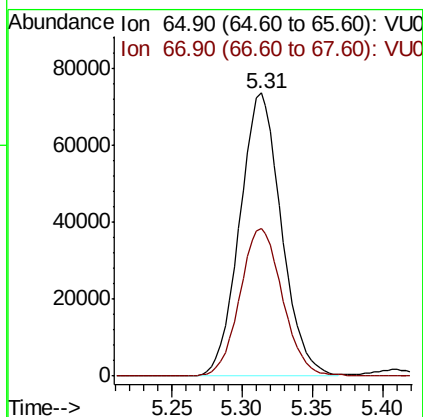
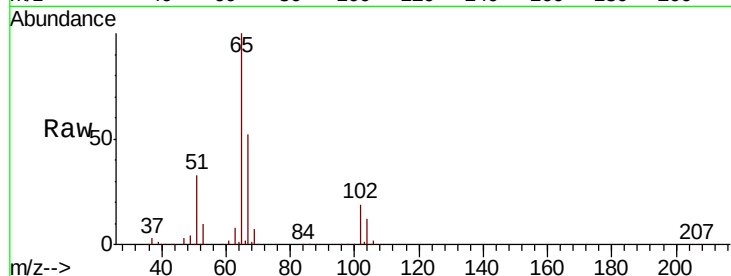




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.64 ug/l  
 RT: 5.31 min Scan# 1469  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

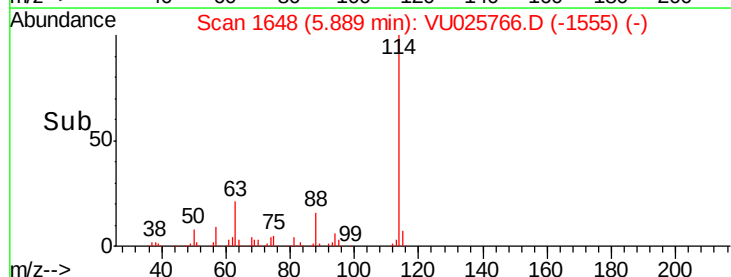
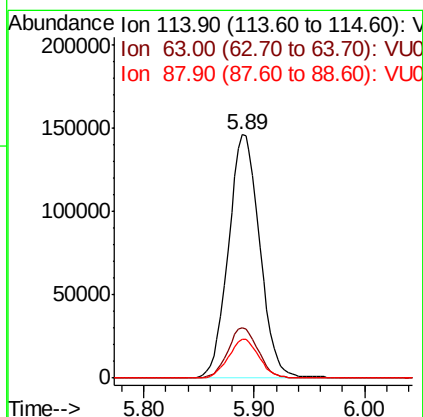
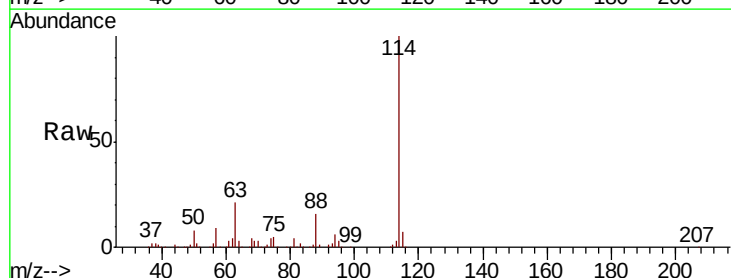
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

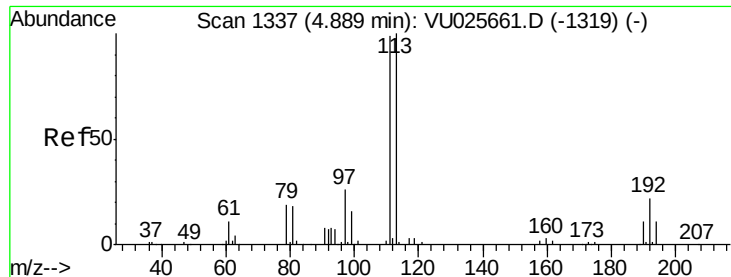
Tot Ion: 65 Resp: 152058  
 Ion Ratio Lower Upper  
 65 100  
 67 53.3 0.0 103.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1648  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Tgt Ion: 114 Resp: 287538  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 41.6  
 88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.07 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

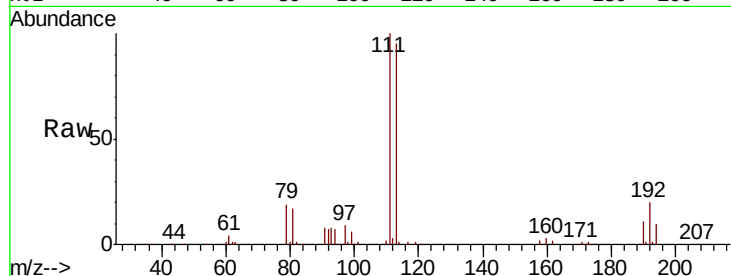
Tot Ion:113 Resp: 125226

Ion Ratio Lower Upper

113 100

111 104.8 81.7 122.5

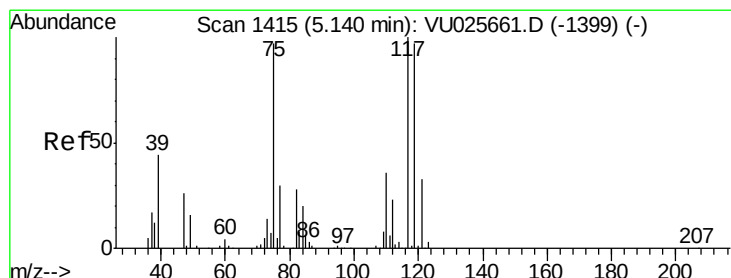
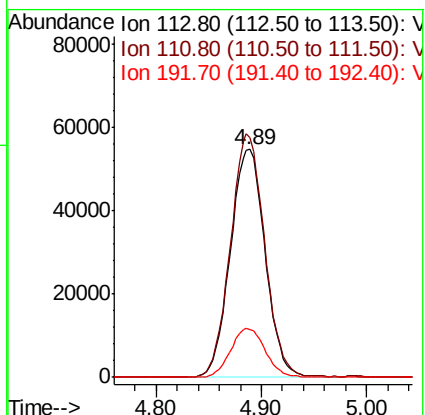
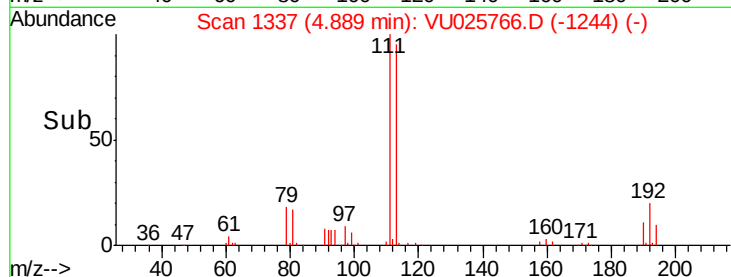
192 21.4 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.86 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

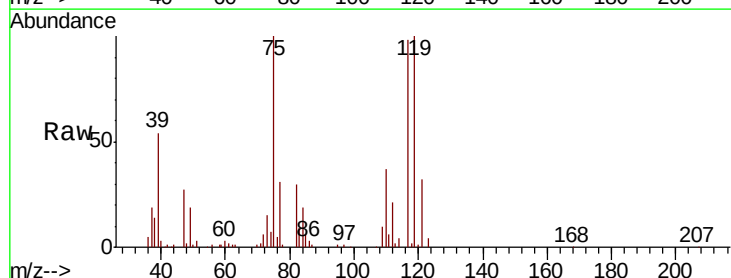
Tgt Ion: 75 Resp: 63370

Ion Ratio Lower Upper

75 100

110 37.4 17.6 52.9

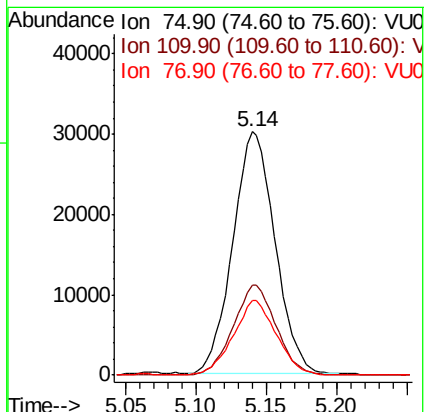
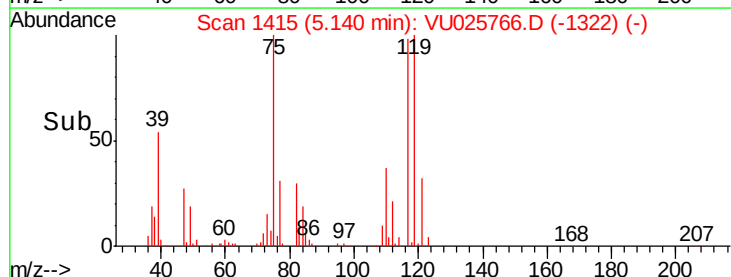
77 31.3 24.4 36.6

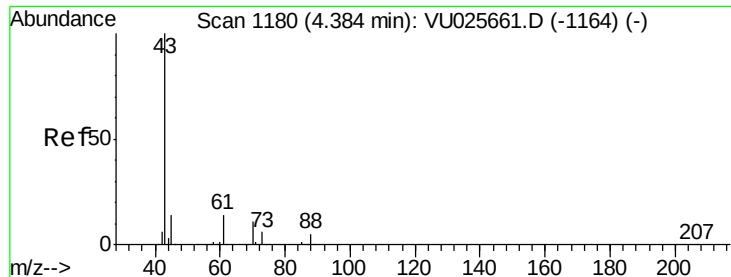


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

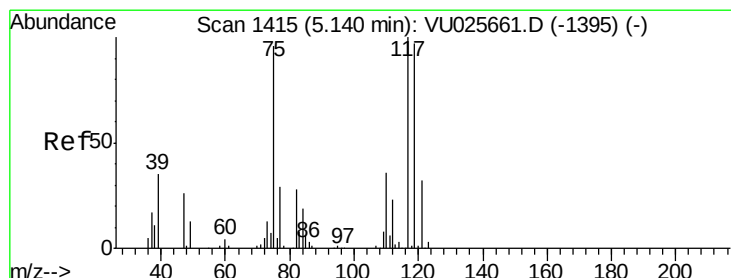
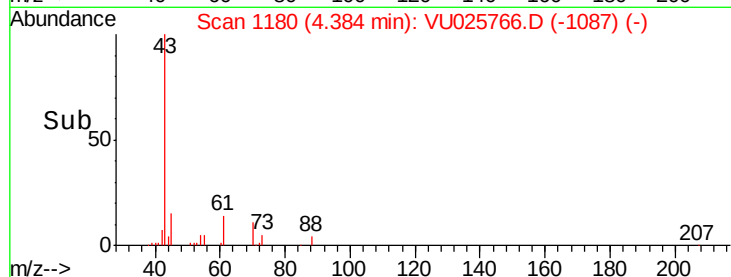
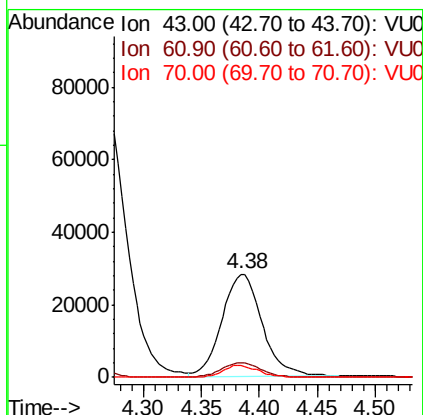
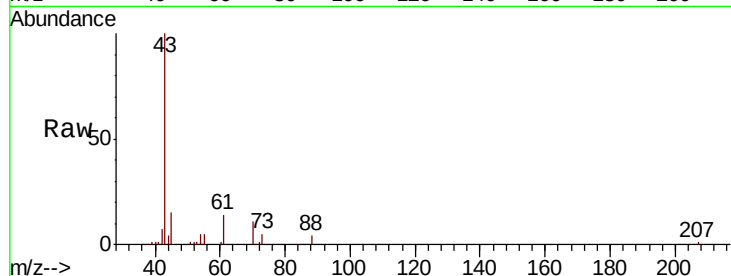




#37  
Ethyl Acetate  
Concen: 19.46 ug/l  
RT: 4.38 min Scan# 1180  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

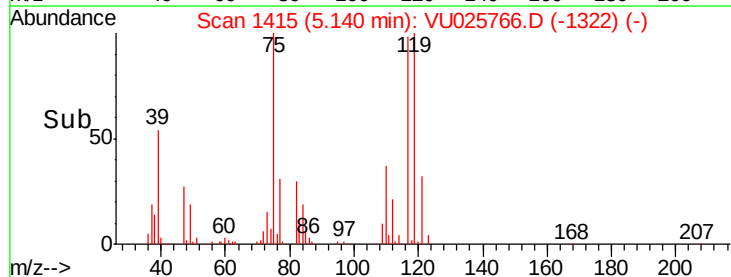
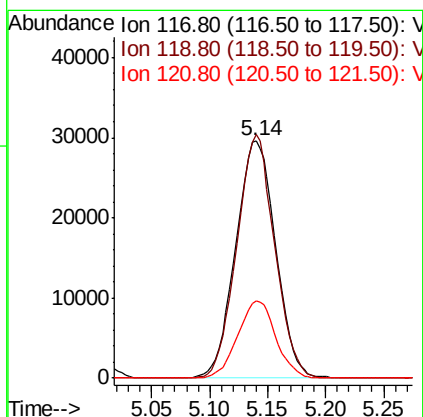
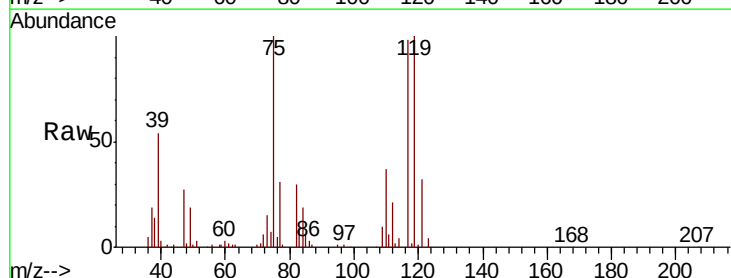
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

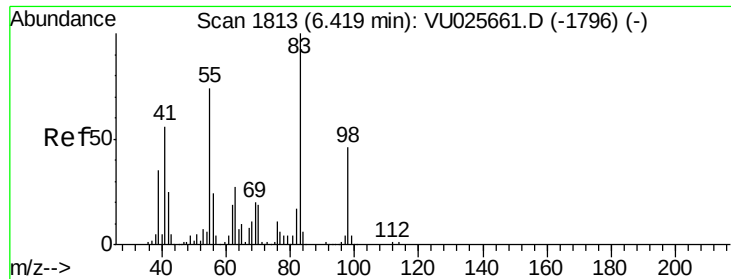
Tot Ion: 43 Resp: 67795  
Ion Ratio Lower Upper  
43 100  
61 14.3 10.7 16.1  
70 10.5 8.4 12.6



#38  
Carbon Tetrachloride  
Concen: 18.63 ug/l  
RT: 5.14 min Scan# 1415  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion: 117 Resp: 70890  
Ion Ratio Lower Upper  
117 100  
119 102.4 75.7 113.5  
121 32.3 24.6 36.8

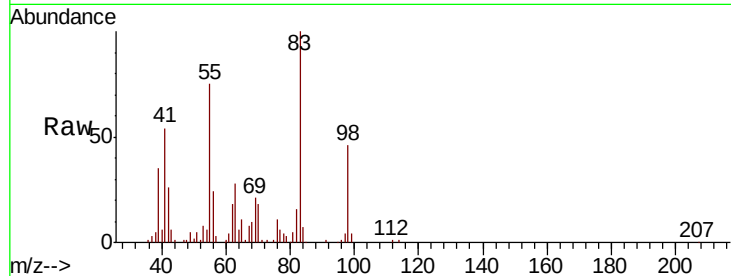




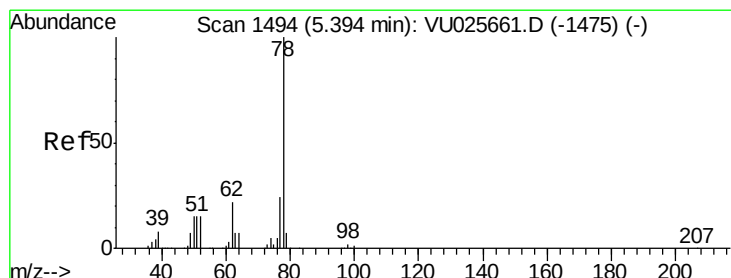
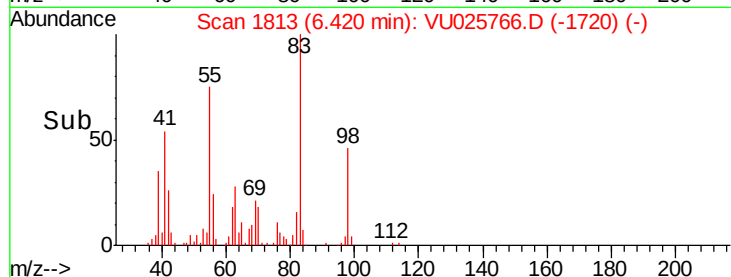
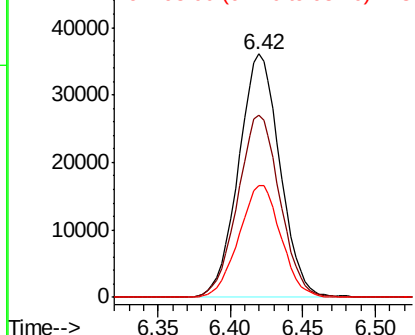
#39  
Methylvlcyclohexane  
Concen: 18.55 ug/l  
RT: 6.42 min Scan# 1813  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

Tot Ion: 83 Resp: 71414  
Ion Ratio Lower Upper  
83 100  
55 74.9 60.0 90.0  
98 45.9 36.1 54.1

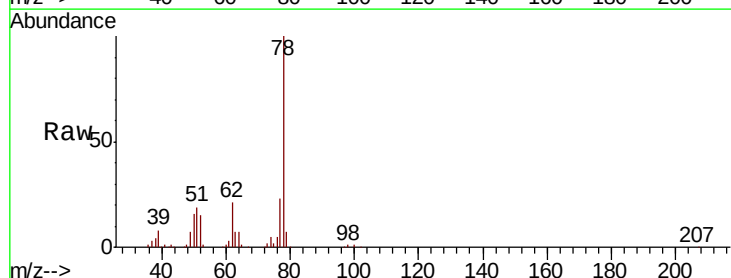


Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0

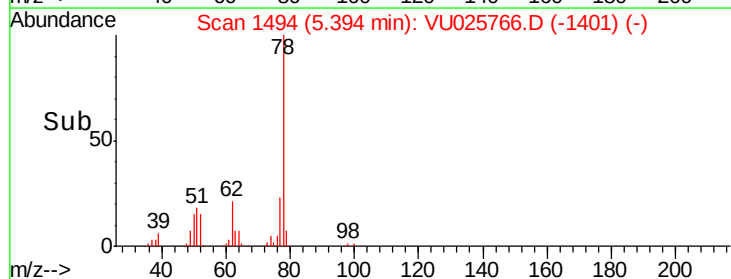
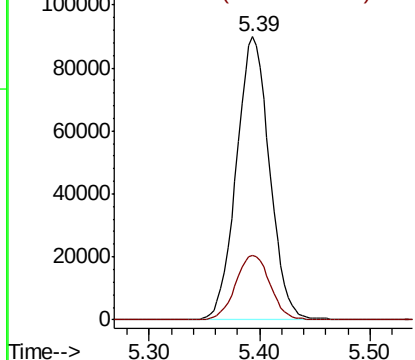


#40  
Benzene  
Concen: 19.05 ug/l  
RT: 5.39 min Scan# 1494  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

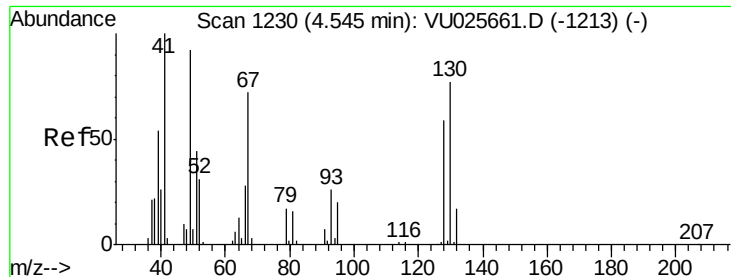
Tgt Ion: 78 Resp: 187079  
Ion Ratio Lower Upper  
78 100  
77 22.9 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0  
Ion 77.00 (76.70 to 77.70): VU0



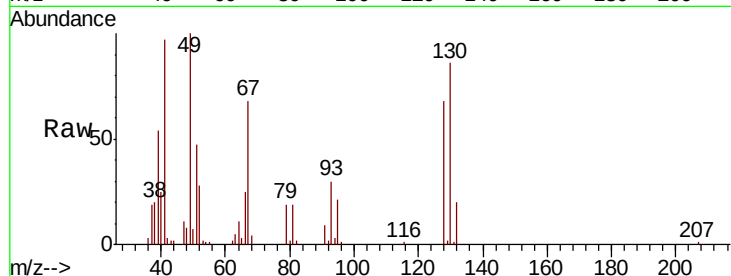




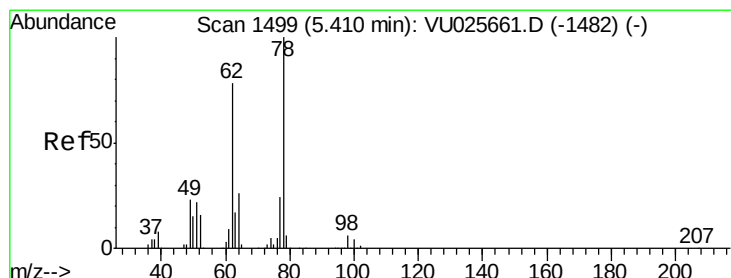
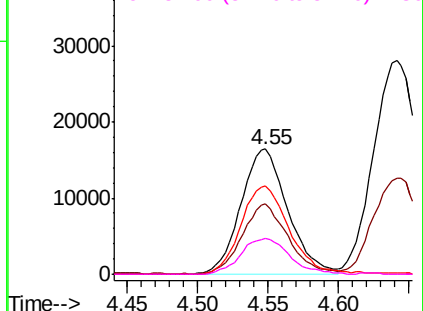
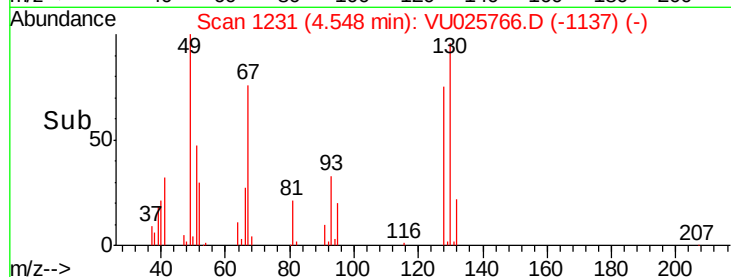
#41  
Methacrylonitrile  
Concen: 19.82 ug/l  
RT: 4.55 min Scan# 1231  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 38362 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.8  | 44.4  | 66.6  |
| 67       | 71.9  | 56.0  | 84.0  |
| 52       | 29.6  | 24.6  | 36.8  |

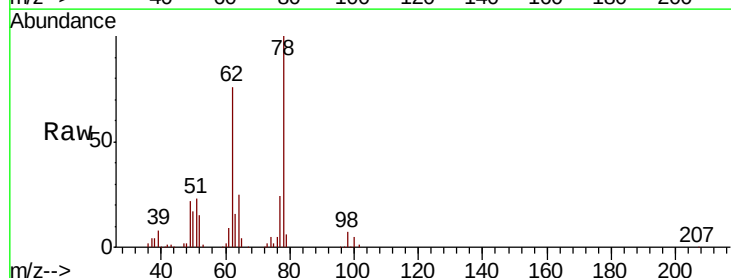


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

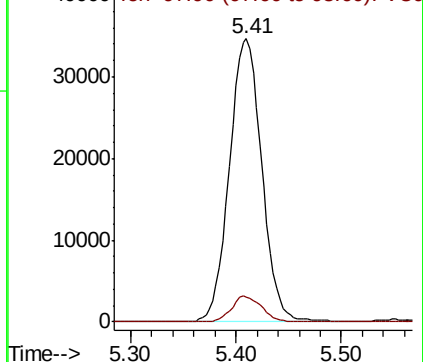
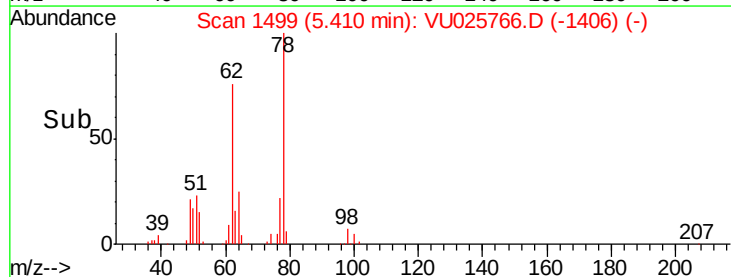


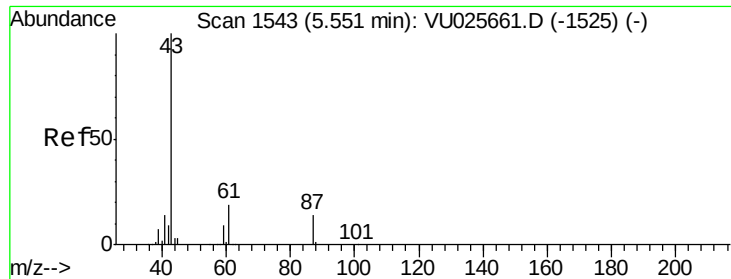
#42  
1,2-Dichloroethane  
Concen: 19.51 ug/l  
RT: 5.41 min Scan# 1499  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 73775 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.5   | 0.0   | 16.4  |



Abundance Ion 61.90 (61.60 to 62.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 19.36 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

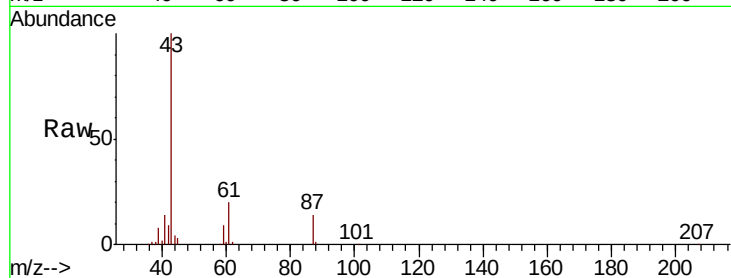
Tot Ion: 43 Resp: 111494

Ion Ratio Lower Upper

43 100

61 19.7 15.5 23.3

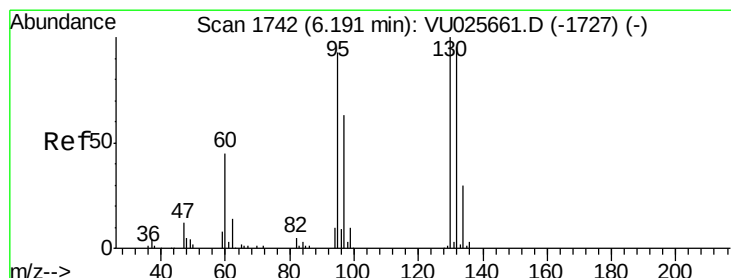
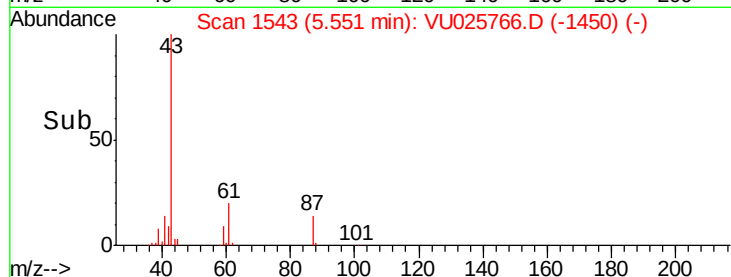
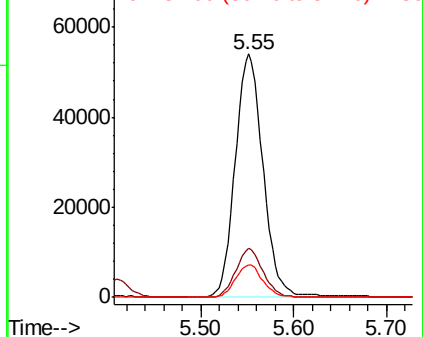
87 13.2 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-1525) (-)

Ion 61.00 (60.70 to 61.70): VU025661.D (-1525) (-)

Ion 87.00 (86.70 to 87.70): VU025661.D (-1525) (-)



#44

Trichloroethene

Concen: 19.17 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025766.D

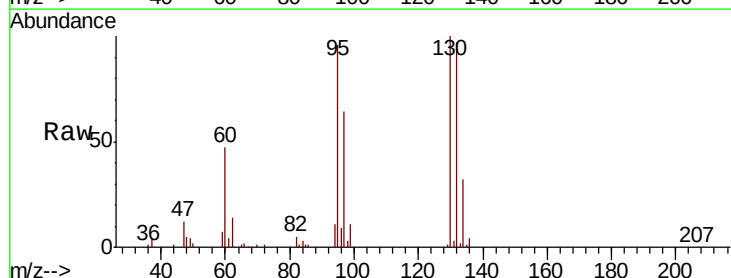
Acq: 01 Aug 2018 10:57

Tgt Ion:130 Resp: 52432

Ion Ratio Lower Upper

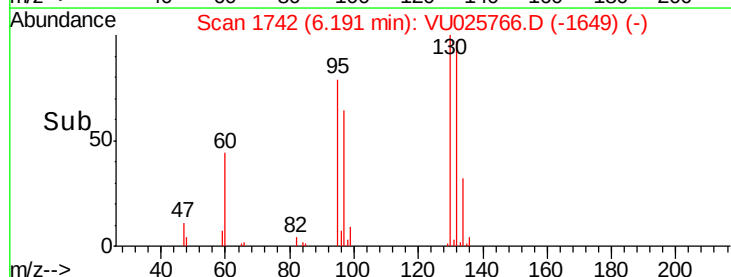
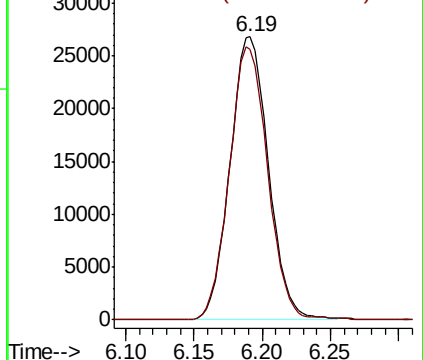
130 100

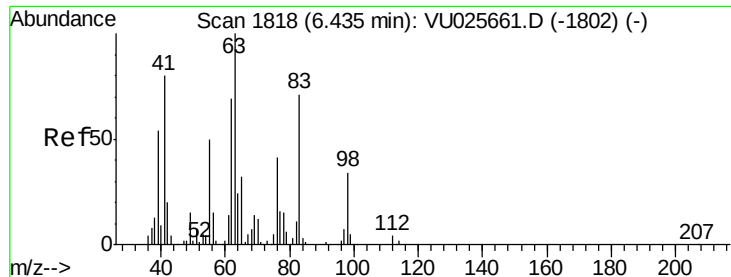
95 95.7 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025661.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025661.D (-1727) (-)

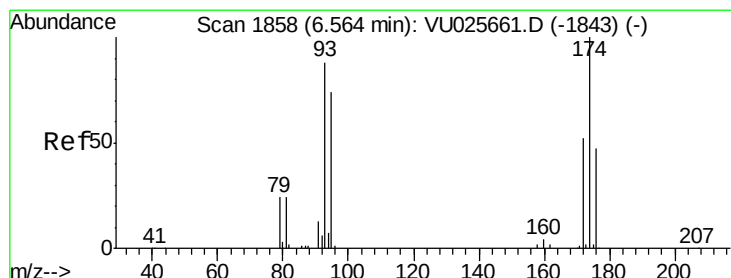
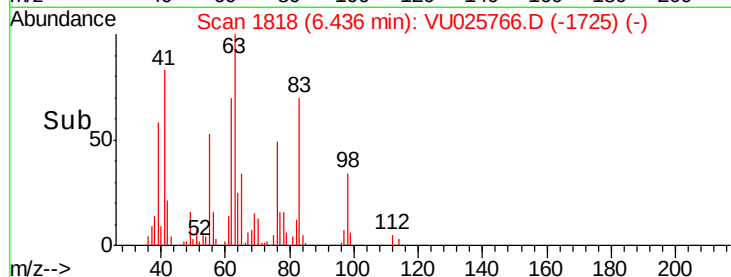
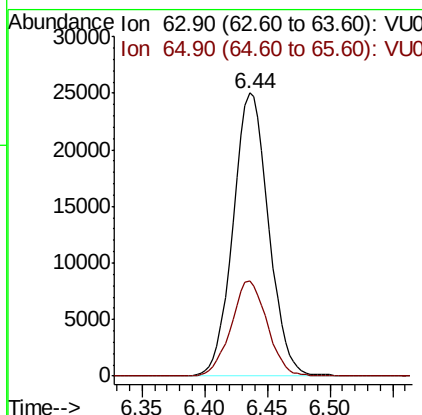
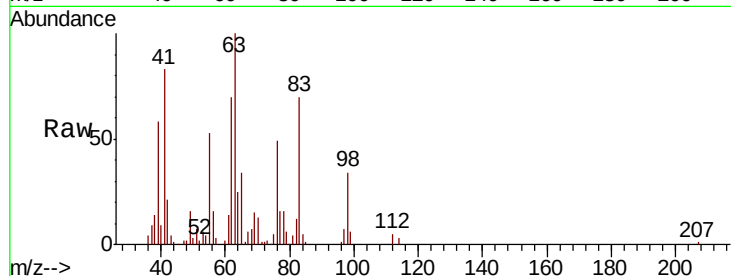




#45  
 1,2-Dichloropropane  
 Concen: 19.24 ug/l  
 RT: 6.44 min Scan# 1818  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

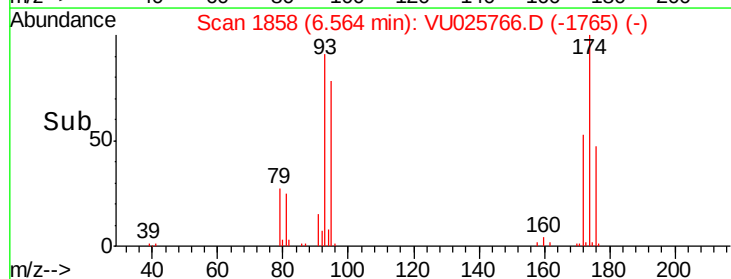
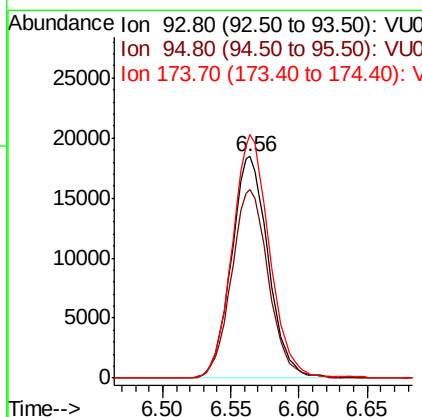
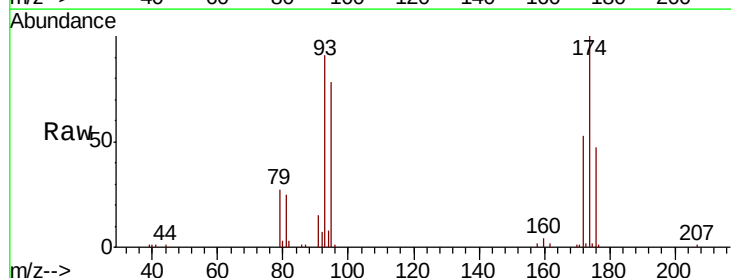
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

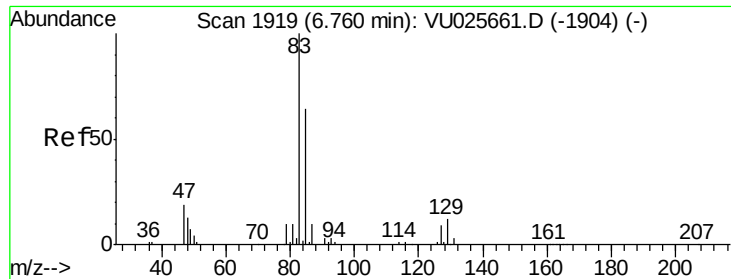
Tot Ion: 63 Resp: 49275  
 Ion Ratio Lower Upper  
 63 100  
 65 33.7 26.1 39.1



#46  
 Dibromomethane  
 Concen: 18.59 ug/l  
 RT: 6.56 min Scan# 1858  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Tgt Ion: 93 Resp: 34507  
 Ion Ratio Lower Upper  
 93 100  
 95 85.5 66.6 100.0  
 174 111.0 85.8 128.8





#47

Bromodichloromethane

Concen: 19.34 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

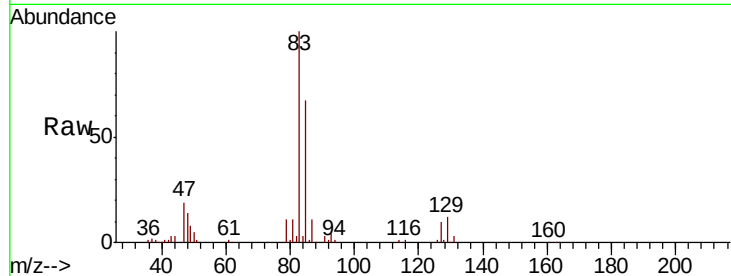
Tot Ion: 83 Resp: 68493

Ion Ratio Lower Upper

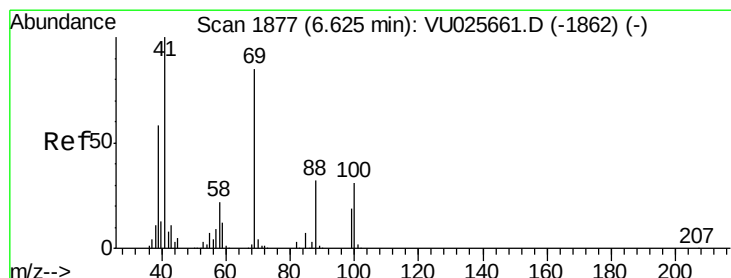
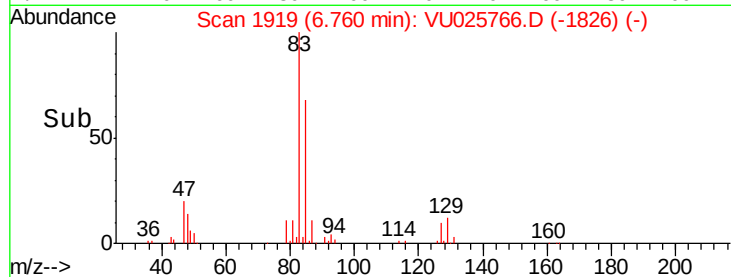
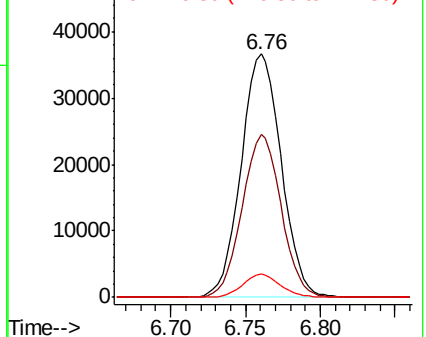
83 100

85 67.0 50.2 75.4

127 9.7 7.2 10.8



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



#48

Methyl methacrylate

Concen: 19.55 ug/l

RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

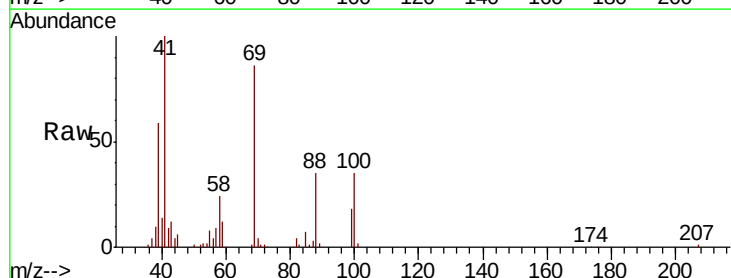
Tgt Ion: 41 Resp: 55160

Ion Ratio Lower Upper

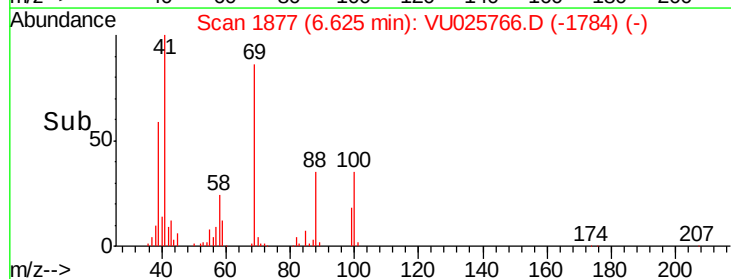
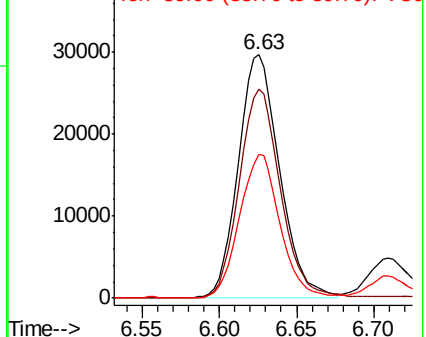
41 100

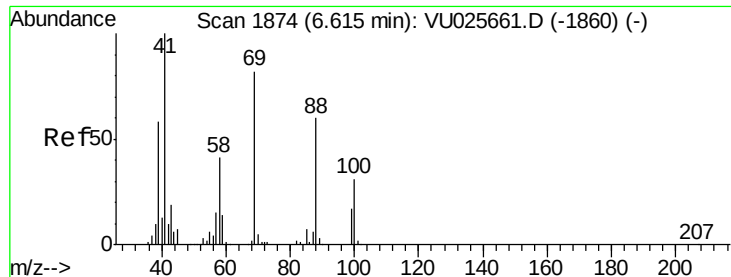
69 85.7 65.0 97.4

39 58.0 46.4 69.6



Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0





#49

1,4-Dioxane

Concen: 390.71 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

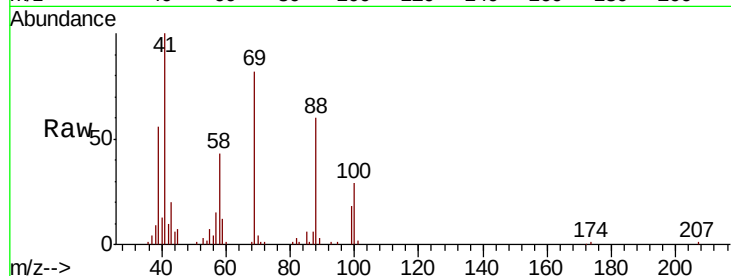
Tot Ion: 88 Resp: 26831

Ion Ratio Lower Upper

88 100

43 33.2 27.3 40.9

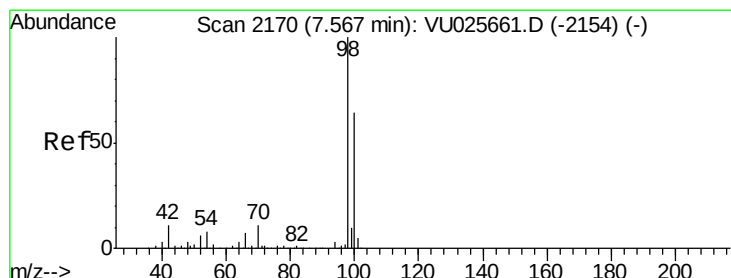
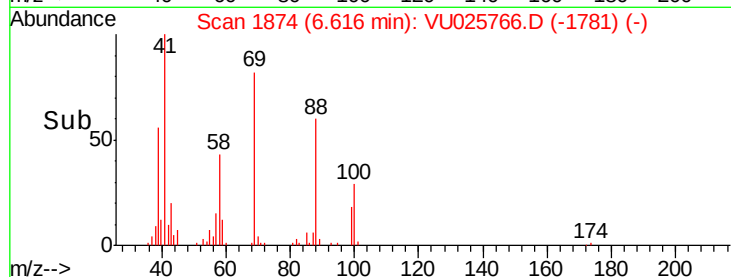
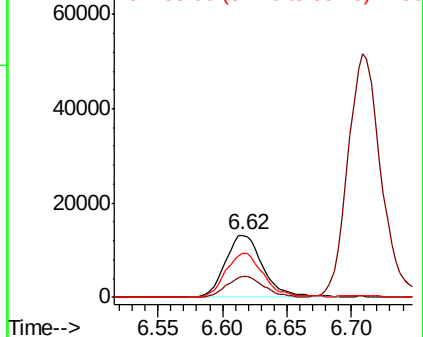
58 71.6 57.6 86.4



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 51.15 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025766.D

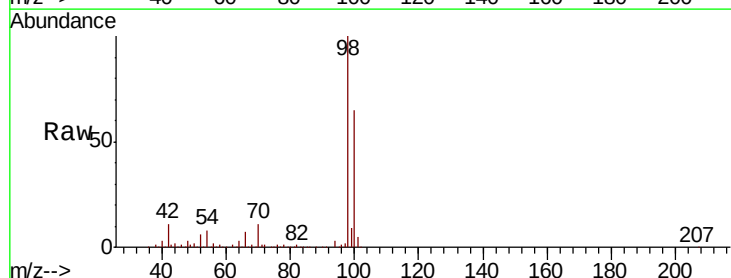
Acq: 01 Aug 2018 10:57

Tgt Ion: 98 Resp: 447670

Ion Ratio Lower Upper

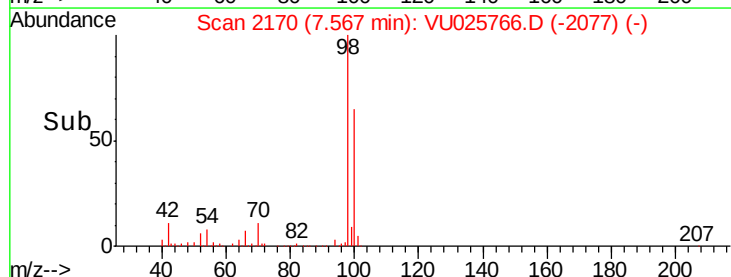
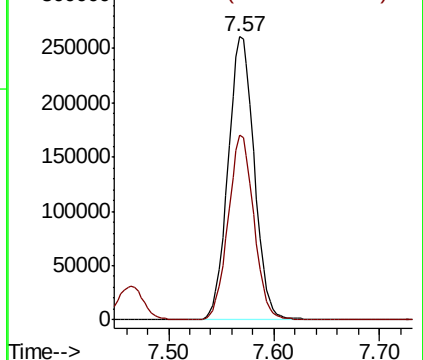
98 100

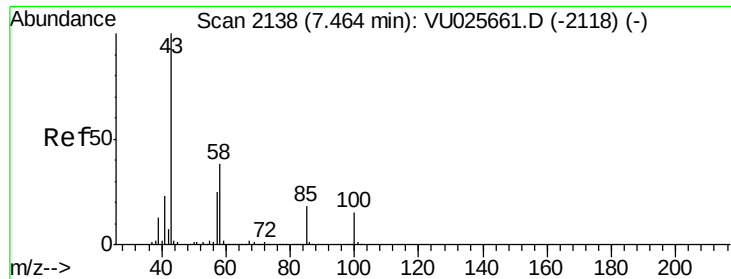
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

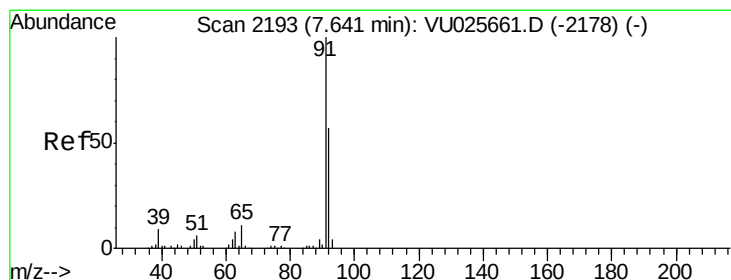
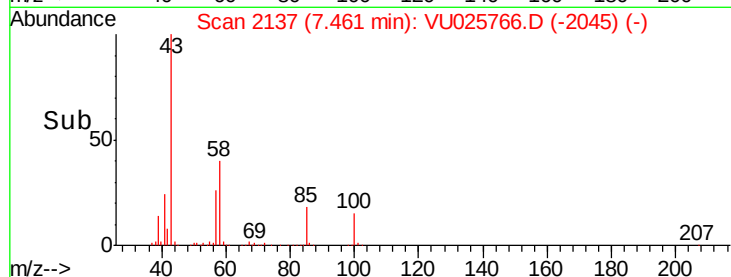
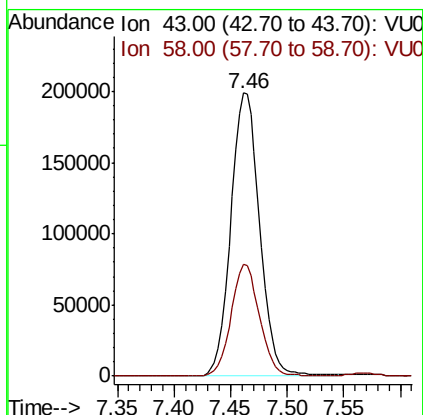
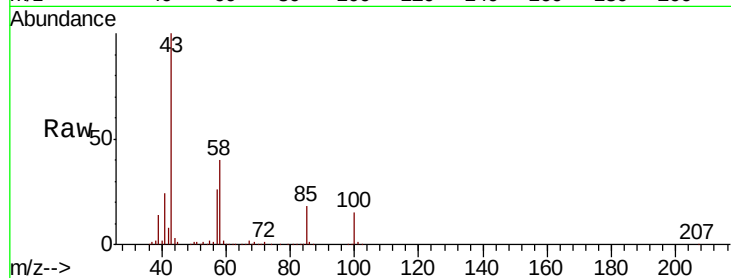




#51  
 4-Methyl-2-Pentanone  
 Concen: 97.98 ug/l  
 RT: 7.46 min Scan# 2137  
 Delta R.T. -0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

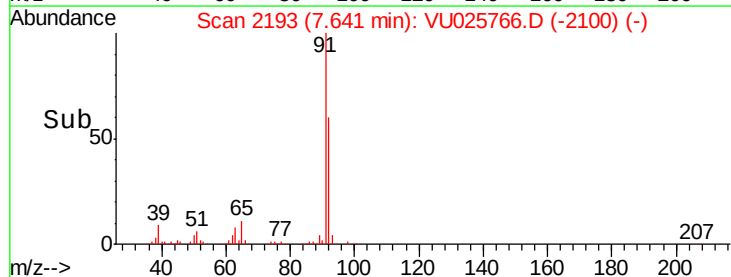
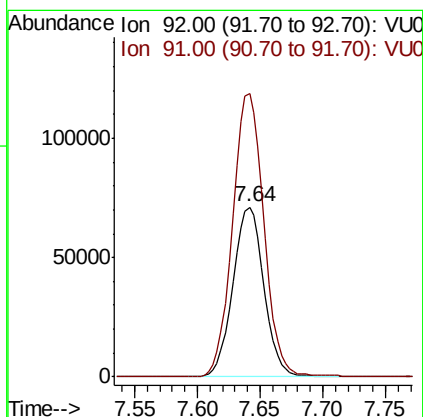
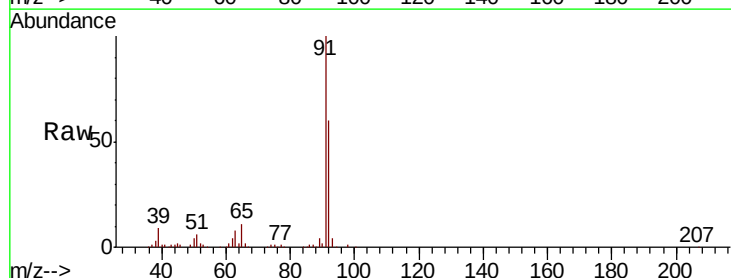
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

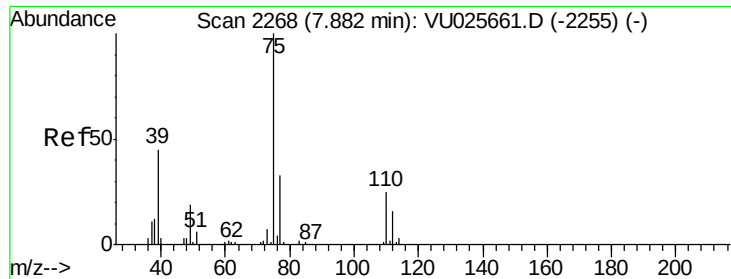
Tot Ion: 43 Resp: 353178  
 Ion Ratio Lower Upper  
 43 100  
 58 39.0 31.0 46.4



#52  
 Toluene  
 Concen: 20.01 ug/l  
 RT: 7.64 min Scan# 2193  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Tgt Ion: 92 Resp: 122094  
 Ion Ratio Lower Upper  
 92 100  
 91 169.4 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 19.51 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

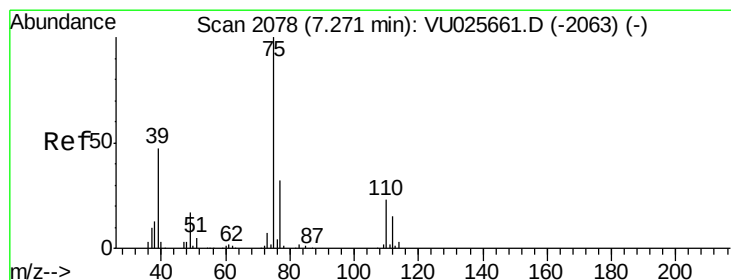
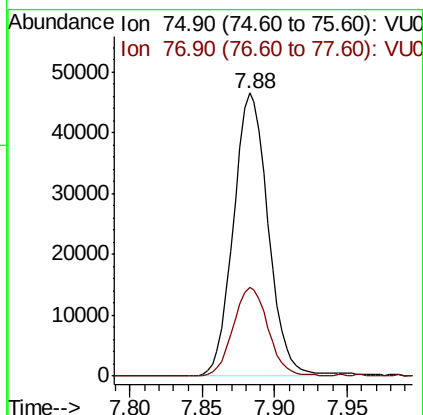
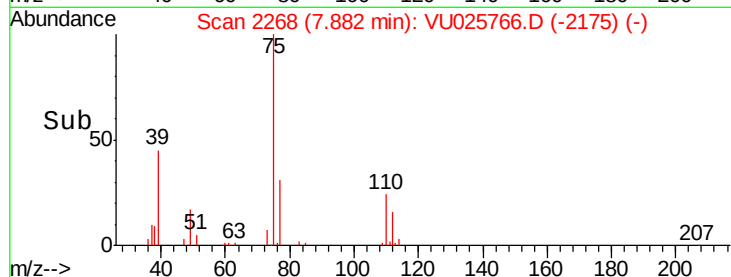
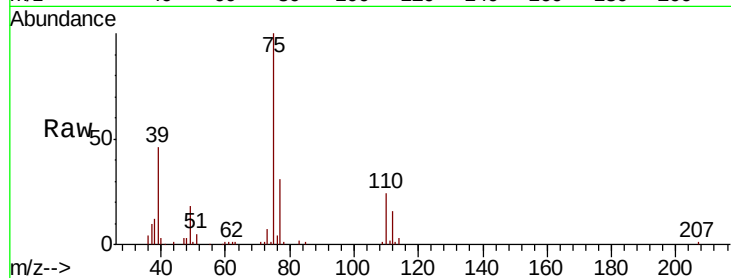
VU0801WBS03

Tot Ion: 75 Resp: 77544

Ion Ratio Lower Upper

75 100

77 31.3 24.5 36.7



#54

cis-1,3-Dichloropropene

Concen: 19.86 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

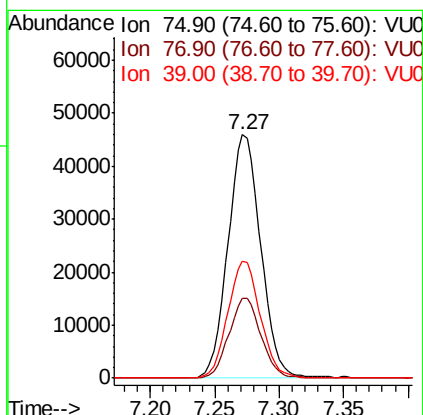
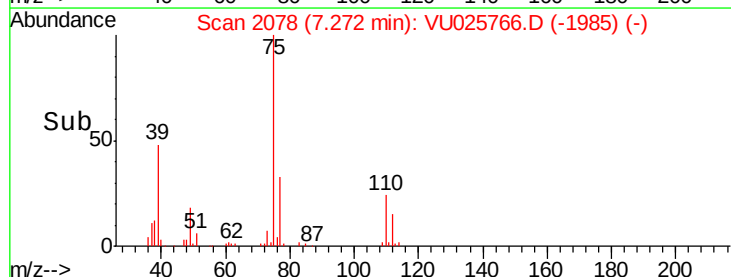
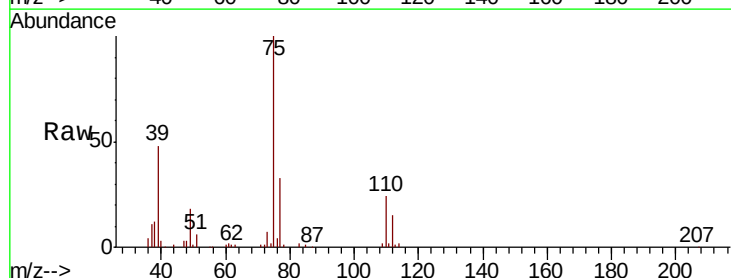
Tgt Ion: 75 Resp: 81094

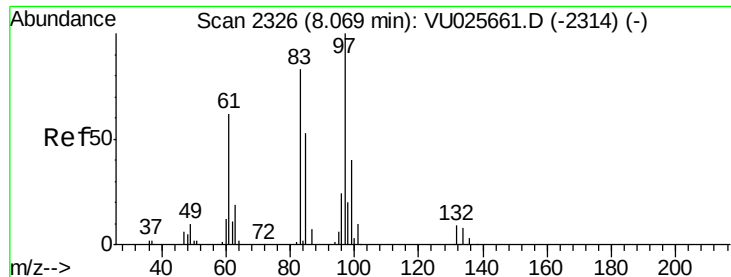
Ion Ratio Lower Upper

75 100

77 32.9 25.6 38.4

39 47.7 40.0 60.0

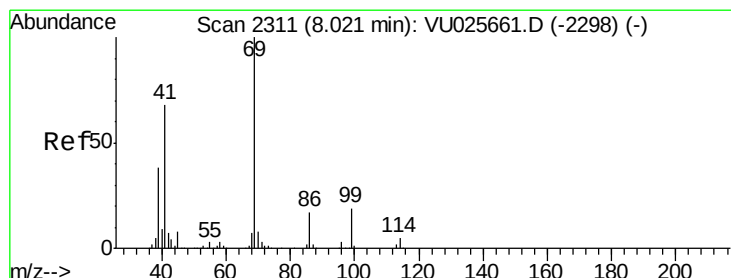
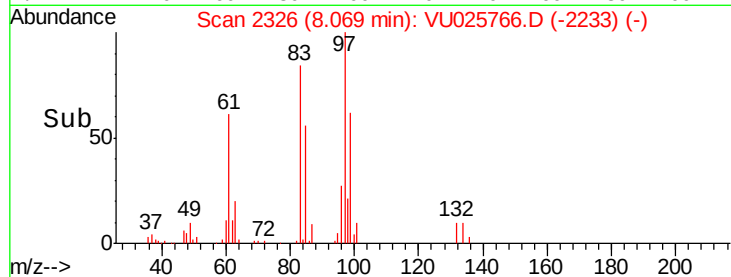
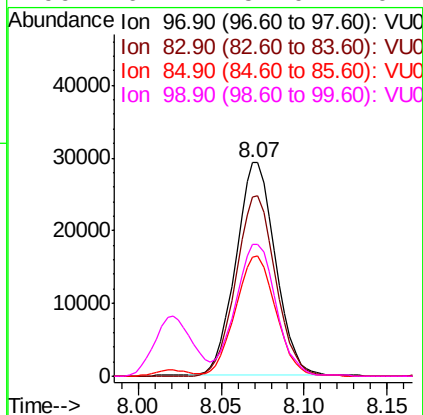
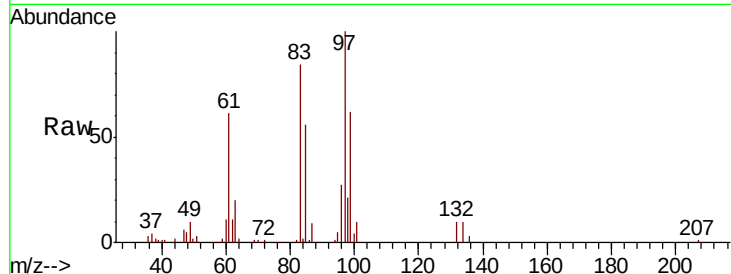




#55  
 1,1,2-Trichloroethane  
 Concen: 19.11 ug/l  
 RT: 8.07 min Scan# 2326  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

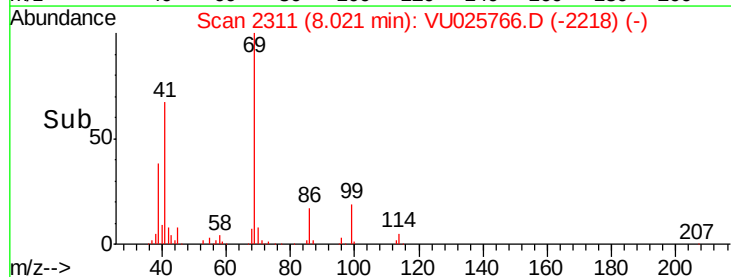
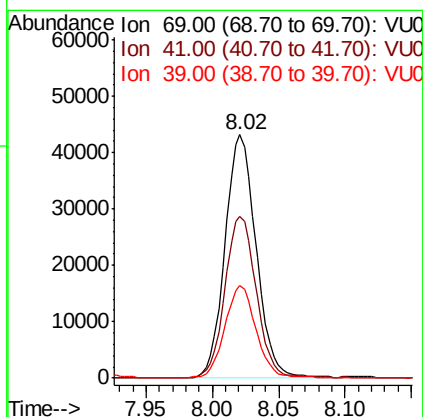
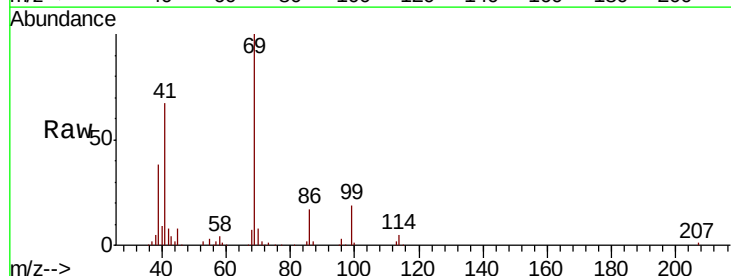
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

| Tot Ion: | 97    | Resp: | 48452 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.2  | 68.9  | 103.3 |
| 85       | 55.8  | 44.4  | 66.6  |
| 99       | 61.2  | 51.0  | 76.4  |

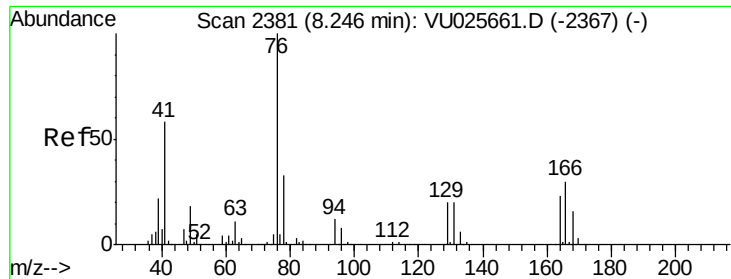


#56  
 Ethyl methacrylate  
 Concen: 19.46 ug/l  
 RT: 8.02 min Scan# 2311  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

| Tgt Ion: | 69    | Resp: | 70503 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.7  | 54.8  | 82.2  |
| 39       | 38.7  | 31.1  | 46.7  |



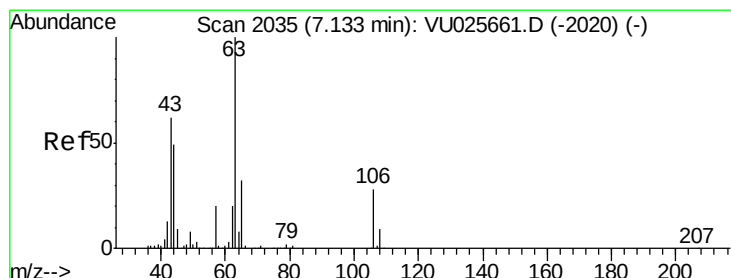
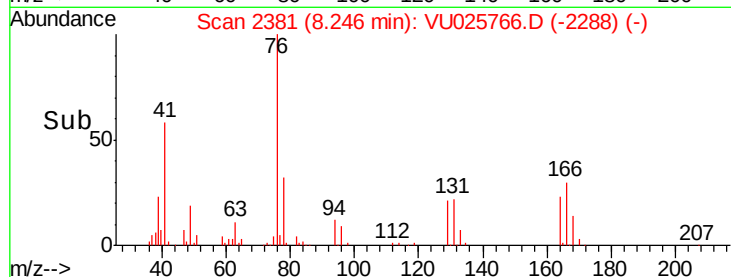
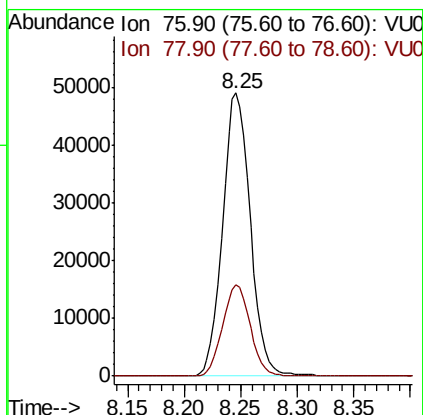
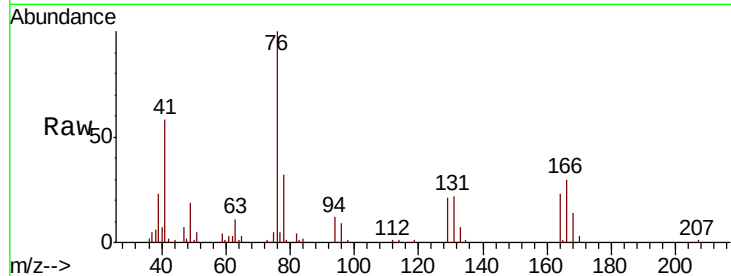




#57  
 1,3-Dichloropropane  
 Concen: 19.57 ug/l  
 RT: 8.25 min Scan# 2381  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

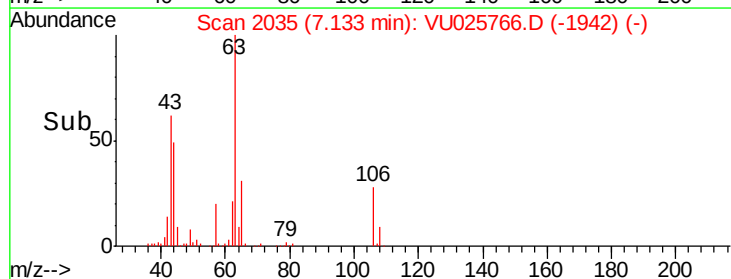
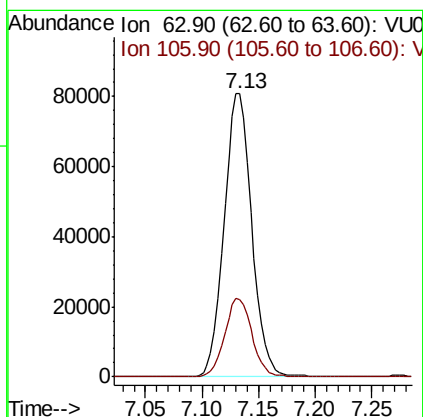
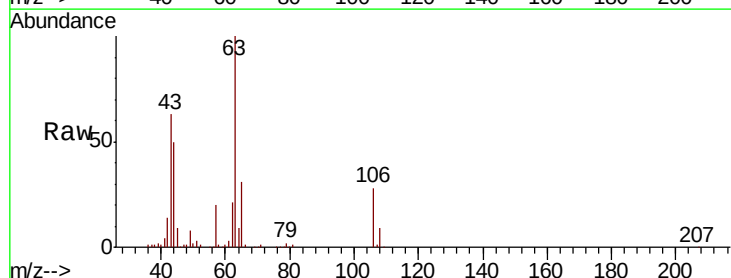
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

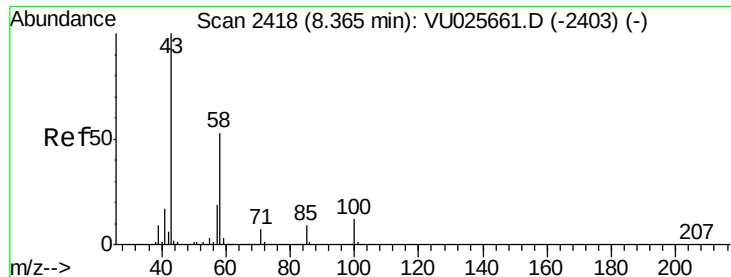
Tot Ion: 76 Resp: 83448  
 Ion Ratio Lower Upper  
 76 100  
 78 32.2 26.1 39.1



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 88.39 ug/l  
 RT: 7.13 min Scan# 2035  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Tgt Ion: 63 Resp: 137311  
 Ion Ratio Lower Upper  
 63 100  
 106 27.4 22.3 33.5

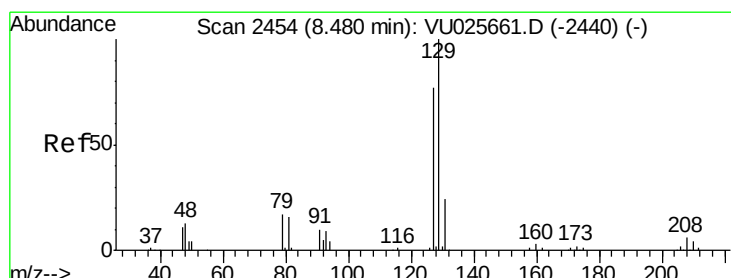
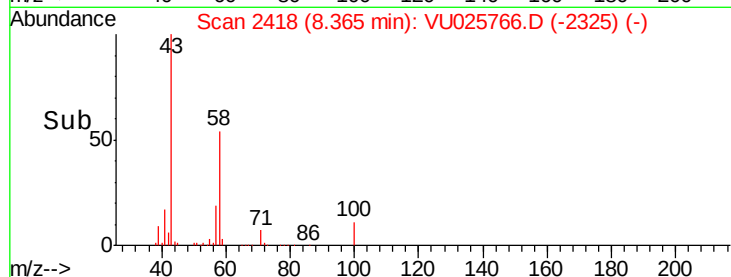
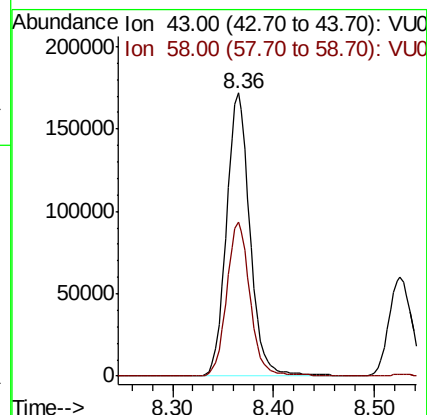
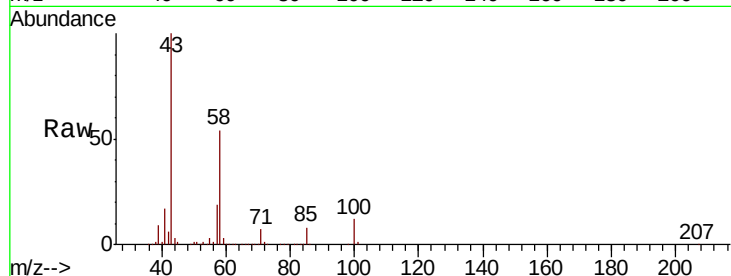




#59  
2-Hexanone  
Concen: 99.10 ug/l  
RT: 8.36 min Scan# 2418  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

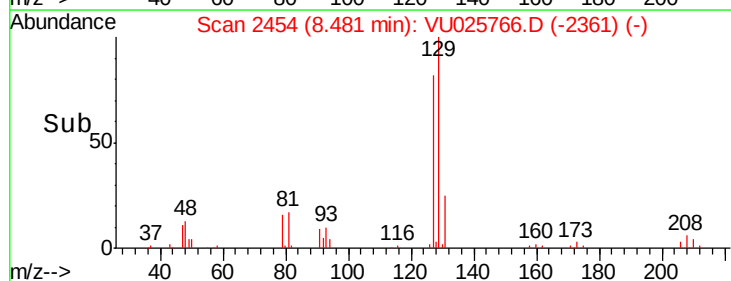
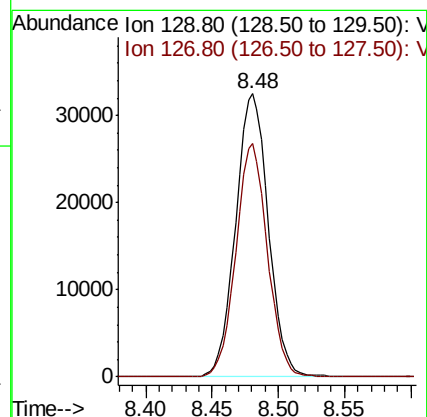
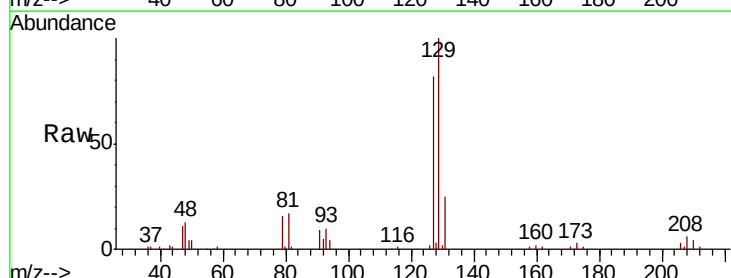
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

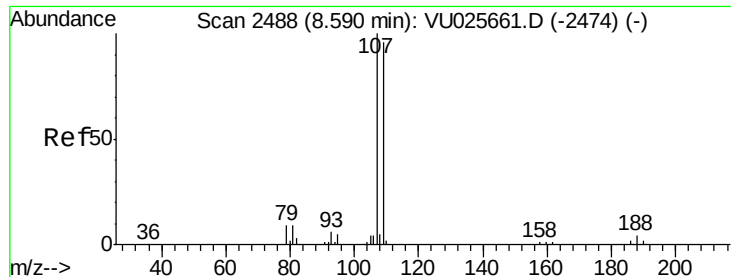
Tot Ion: 43 Resp: 280028  
Ion Ratio Lower Upper  
43 100  
58 54.1 26.2 78.5



#60  
Dibromochloromethane  
Concen: 18.61 ug/l  
RT: 8.48 min Scan# 2454  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion: 129 Resp: 55647  
Ion Ratio Lower Upper  
129 100  
127 79.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.34 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

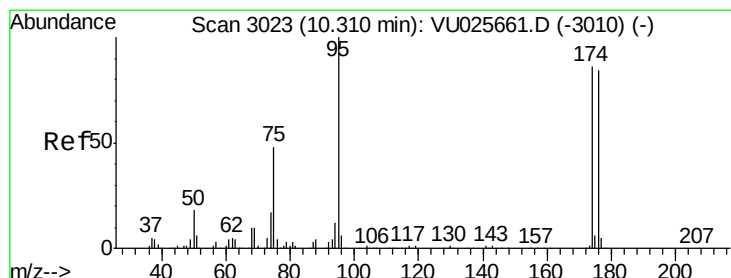
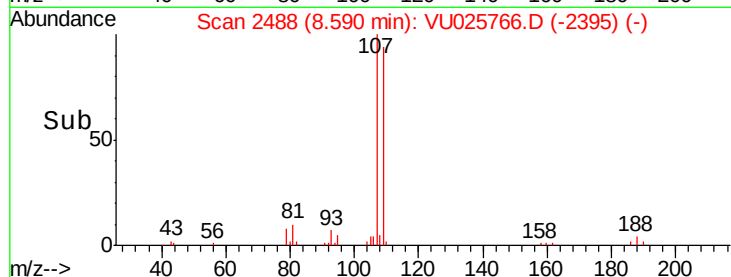
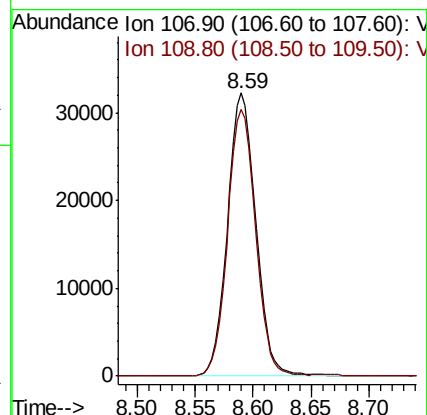
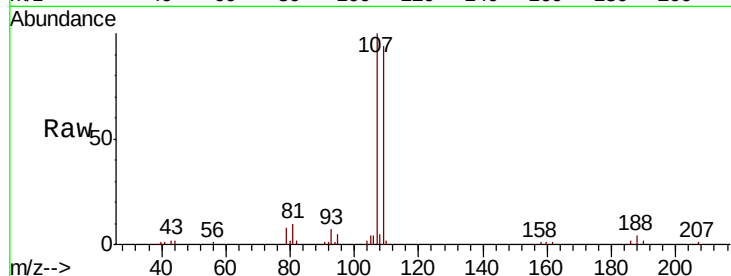
VU0801WBS03

Tot Ion:107 Resp: 54549

Ion Ratio Lower Upper

107 100

109 93.4 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 49.94 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

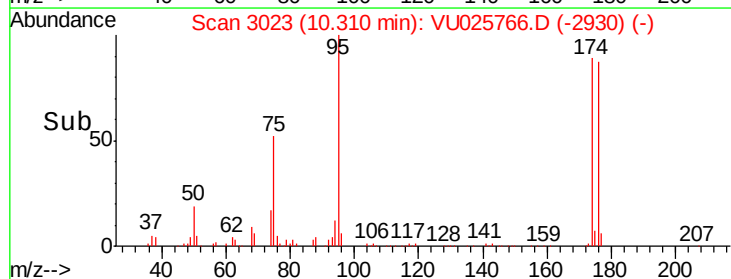
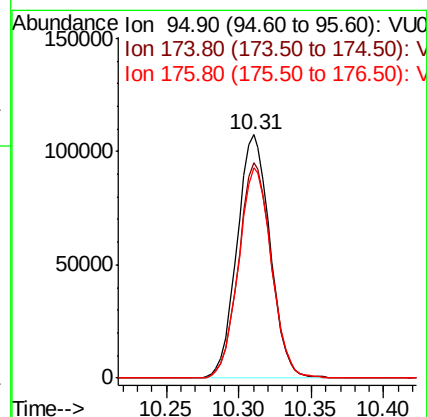
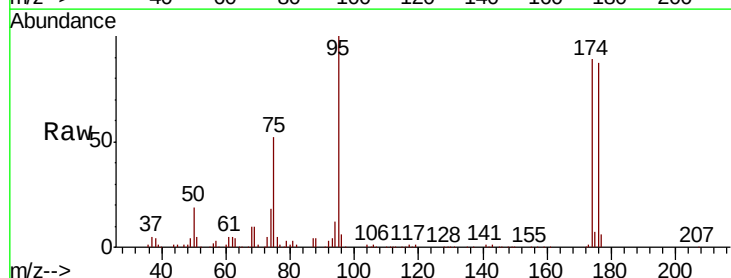
Tgt Ion: 95 Resp: 169622

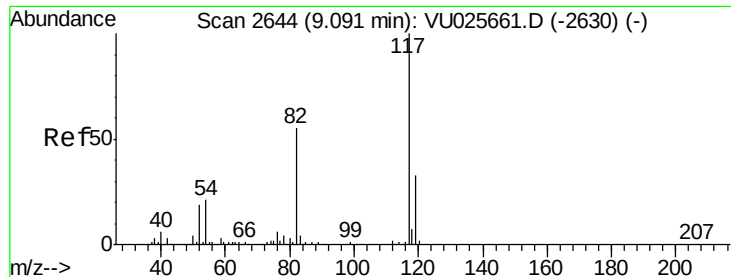
Ion Ratio Lower Upper

95 100

174 87.4 0.0 172.2

176 86.4 0.0 162.6

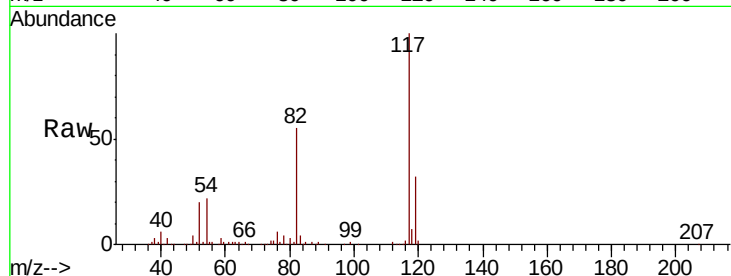




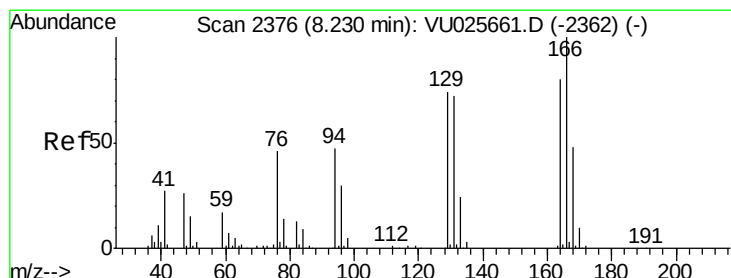
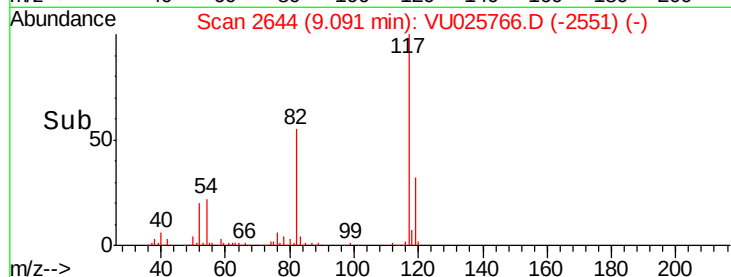
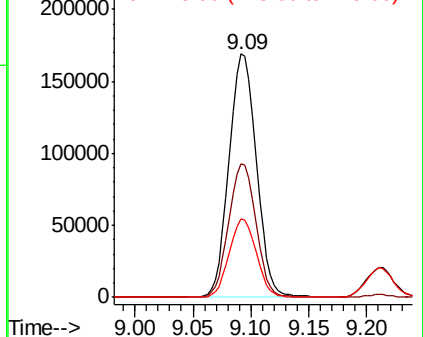
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

Tot Ion:117 Resp: 275865  
Ion Ratio Lower Upper  
117 100  
82 54.9 46.0 69.0  
119 32.2 26.0 39.0

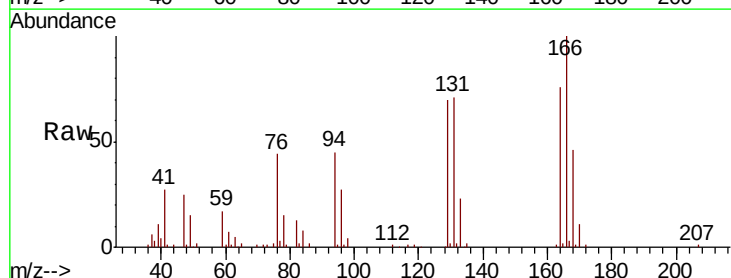


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V

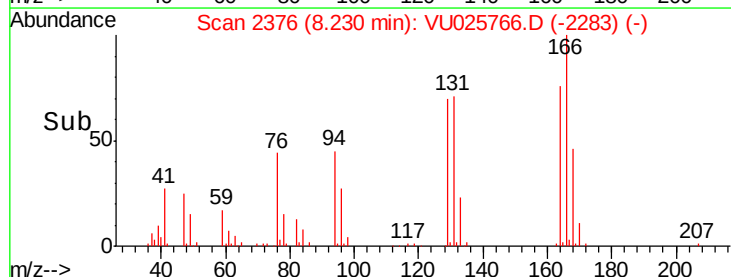
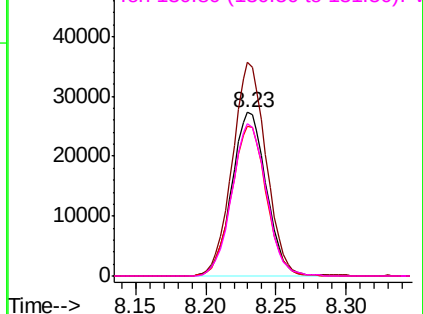


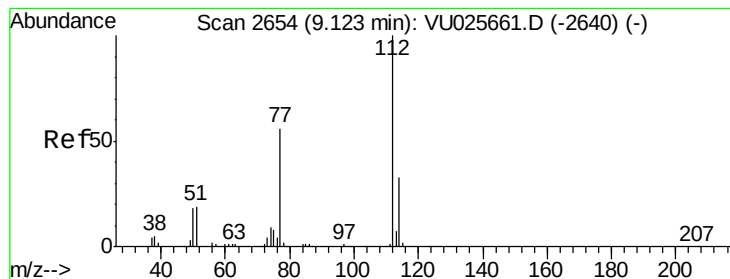
#64  
Tetrachloroethene  
Concen: 19.23 ug/l  
RT: 8.23 min Scan# 2376  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion:164 Resp: 46683  
Ion Ratio Lower Upper  
164 100  
166 130.8 101.1 151.7  
129 91.9 73.0 109.6  
131 93.2 72.1 108.1



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





#65

Chlorobenzene

Concen: 19.33 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

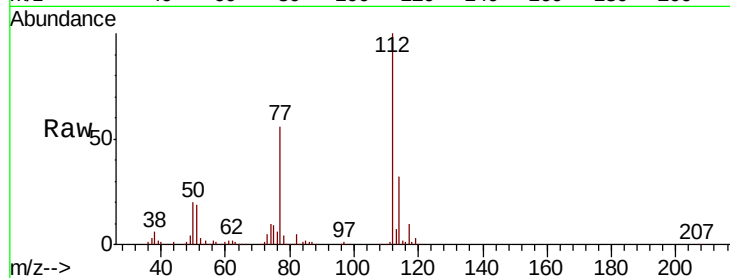
VU0801WBS03

Tot Ion:112 Resp: 137455

Ion Ratio Lower Upper

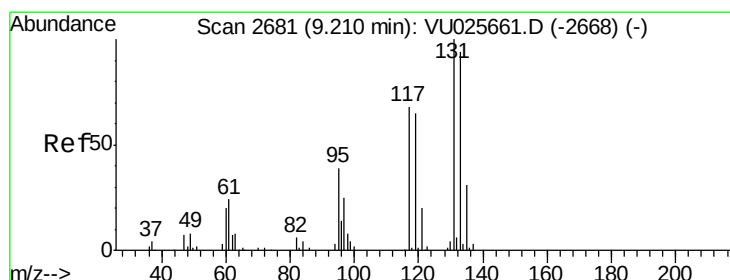
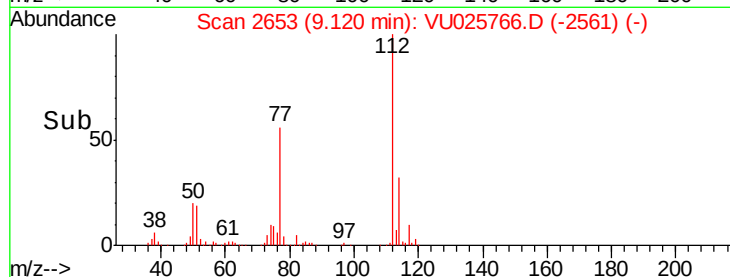
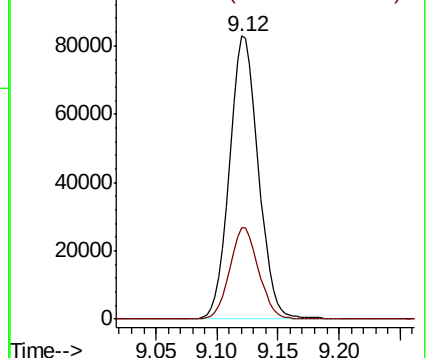
112 100

114 32.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.11 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

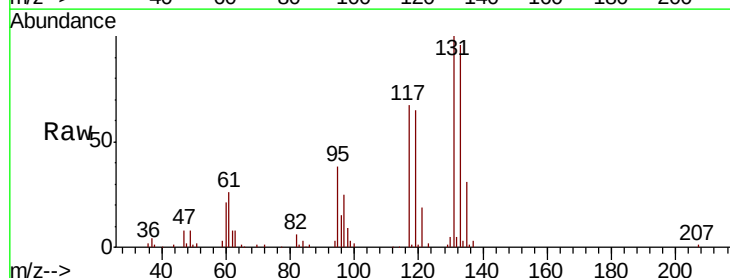
Tgt Ion:131 Resp: 51734

Ion Ratio Lower Upper

131 100

133 95.6 47.8 143.3

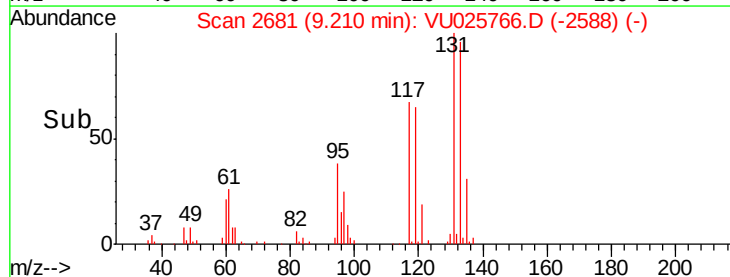
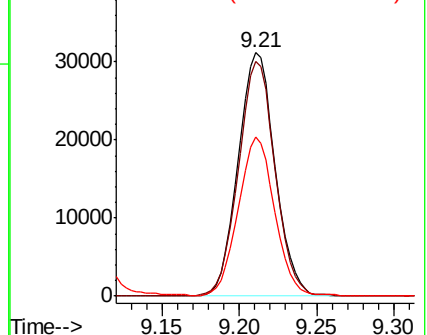
119 63.2 31.6 95.0

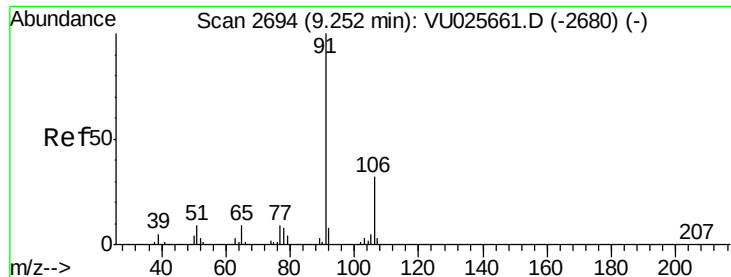


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

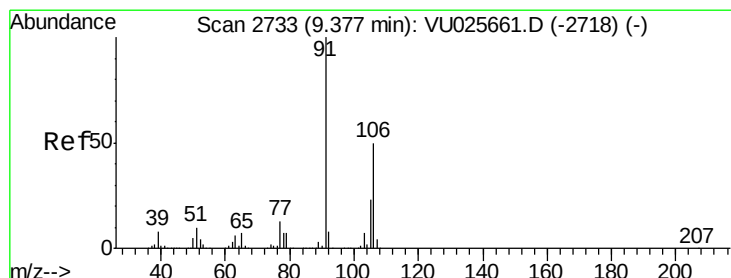
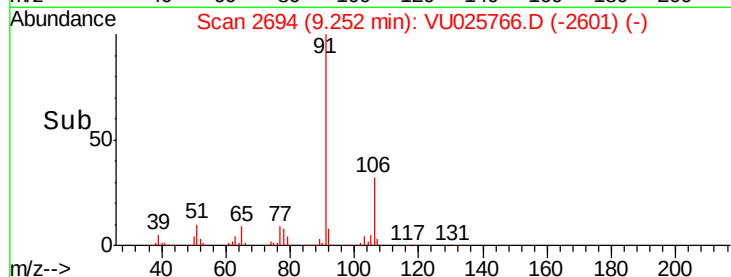
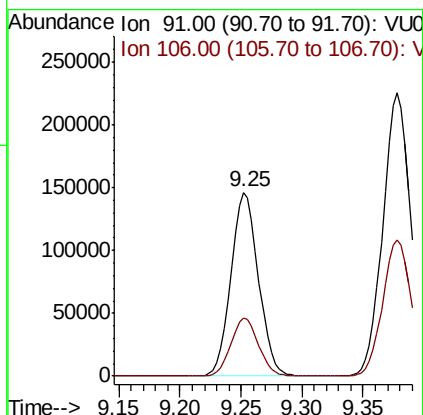
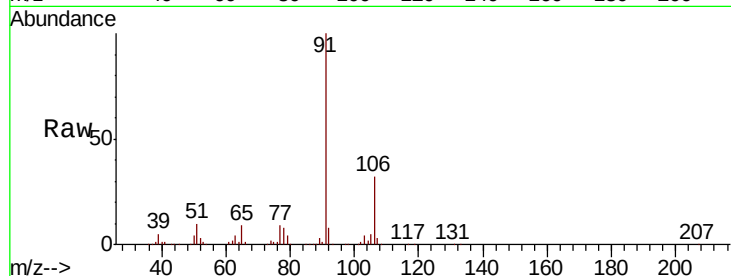




#67  
Ethyl Benzene  
Concen: 19.51 ug/l  
RT: 9.25 min Scan# 2694  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

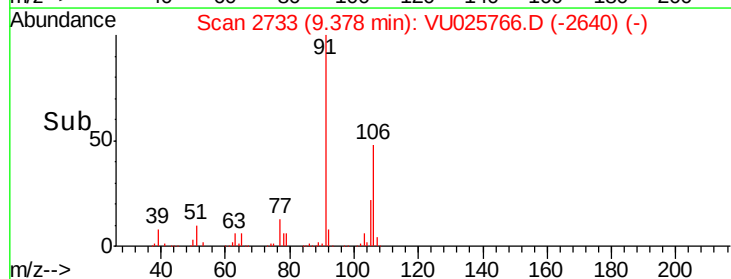
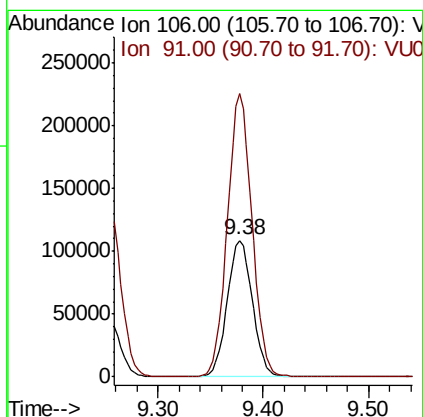
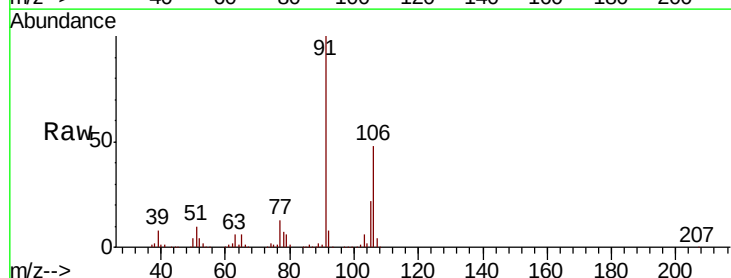
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

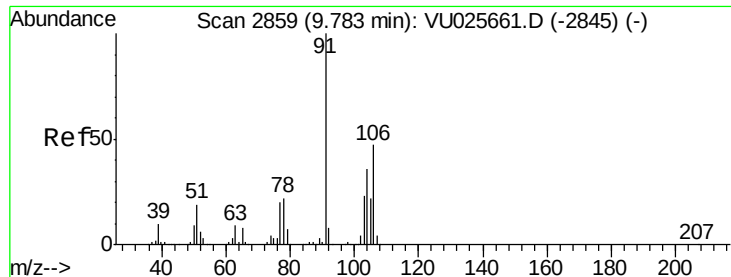
Tot Ion: 91 Resp: 229833  
Ion Ratio Lower Upper  
91 100  
106 31.7 25.3 37.9



#68  
m/p-Xylenes  
Concen: 39.75 ug/l  
RT: 9.38 min Scan# 2733  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion: 106 Resp: 179772  
Ion Ratio Lower Upper  
106 100  
91 202.3 162.3 243.5

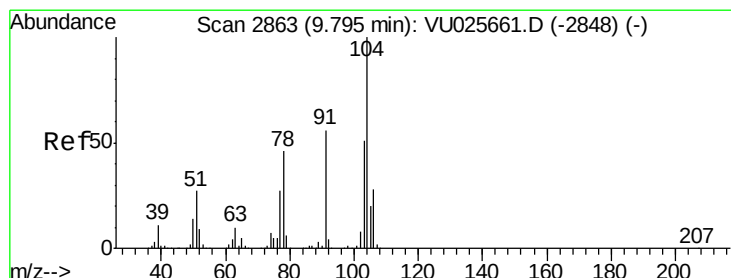
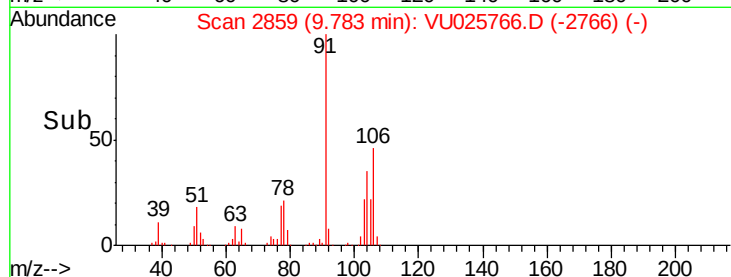
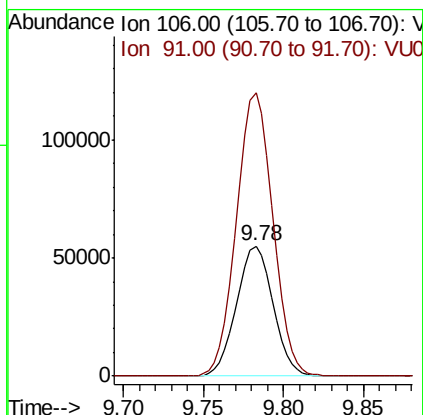
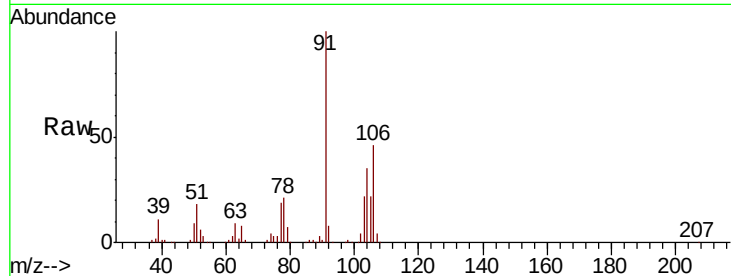




#69  
o-Xylene  
Concen: 19.34 ug/l  
RT: 9.78 min Scan# 2859  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

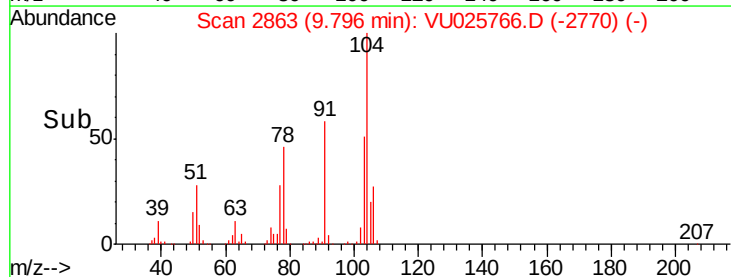
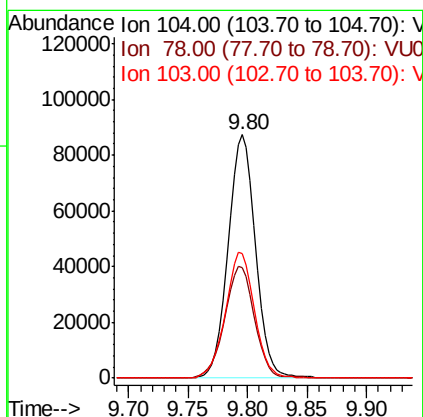
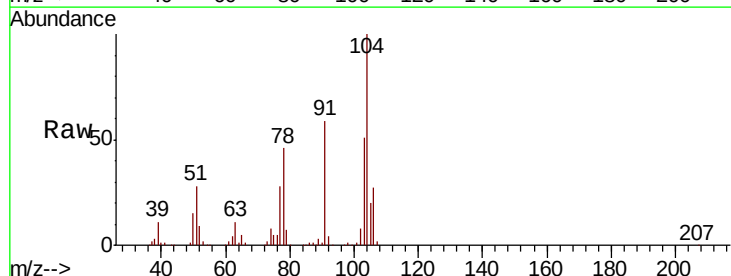
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

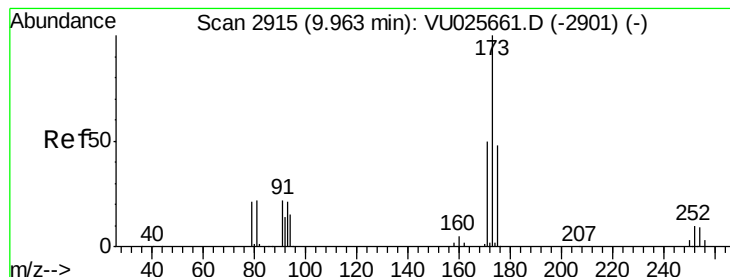
Tot Ion:106 Resp: 85490  
Ion Ratio Lower Upper  
106 100  
91 218.0 105.3 315.8



#70  
Styrene  
Concen: 19.51 ug/l  
RT: 9.80 min Scan# 2863  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion:104 Resp: 139282  
Ion Ratio Lower Upper  
104 100  
78 50.0 41.6 62.4  
103 54.9 44.6 66.8





#71

Bromoform

Concen: 19.22 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

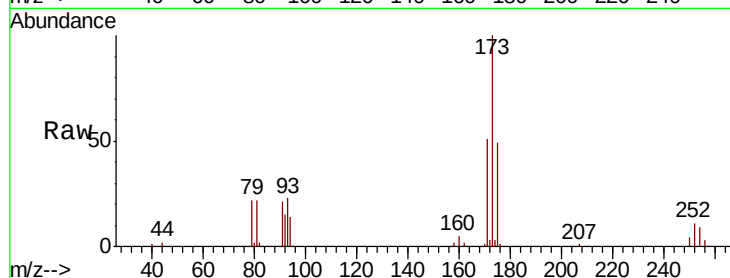
Tot Ion:173 Resp: 42887

Ion Ratio Lower Upper

173 100

175 48.4 24.0 72.0

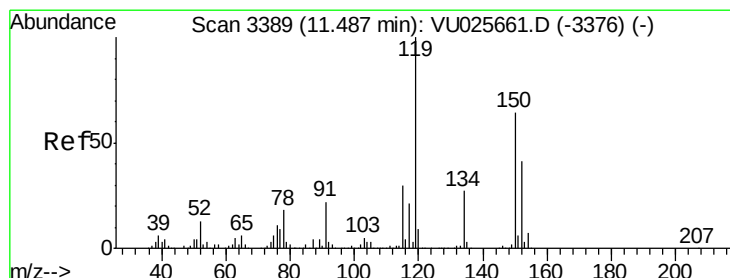
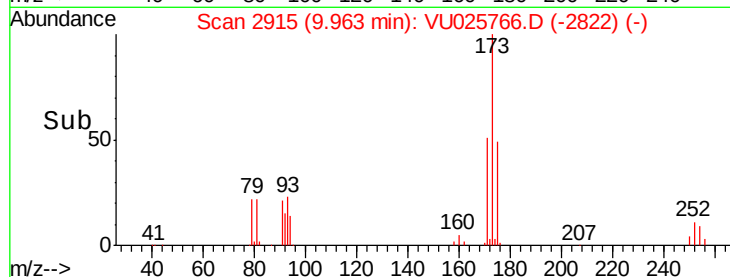
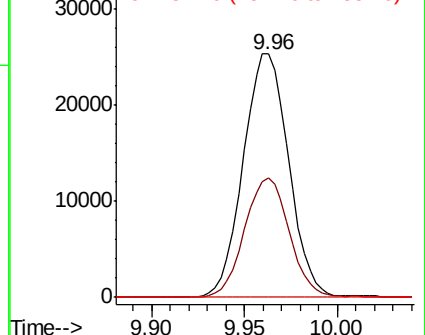
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

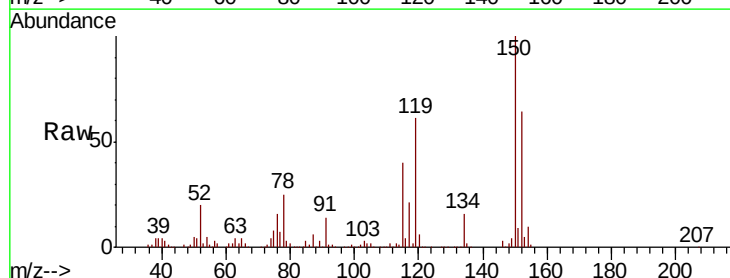
Tgt Ion:152 Resp: 169011

Ion Ratio Lower Upper

152 100

115 66.5 40.1 120.3

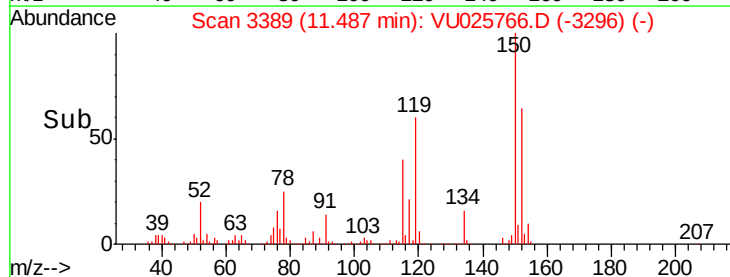
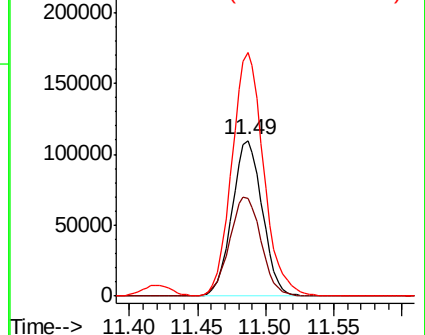
150 164.6 0.0 351.4



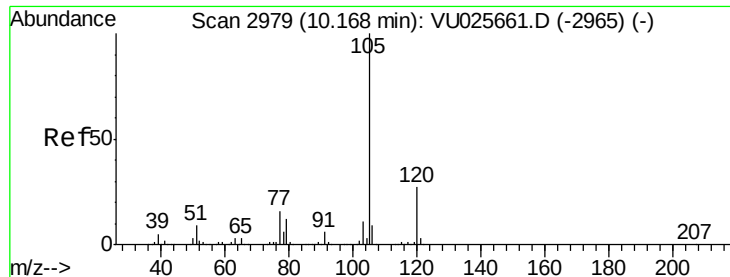
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#73

Isopropylbenzene

Concen: 20.26 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

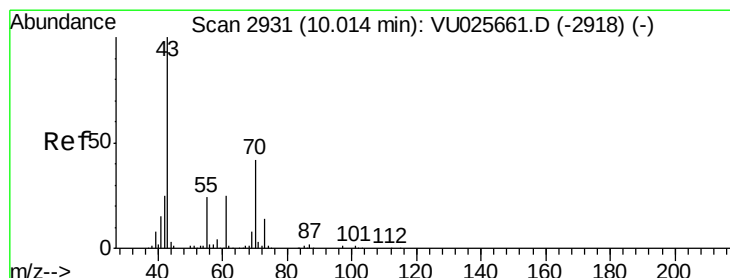
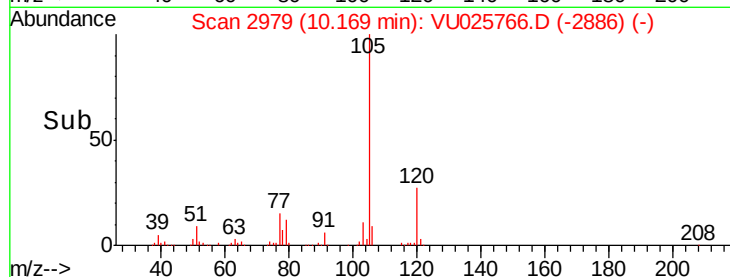
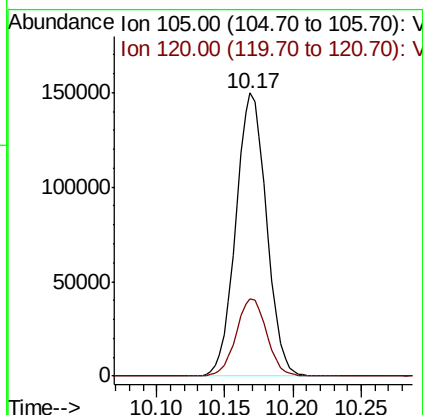
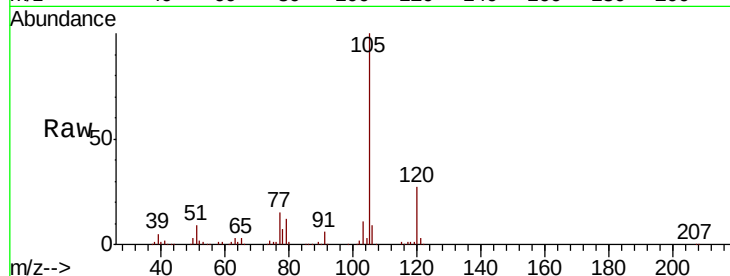
VU0801WBS03

Tot Ion:105 Resp: 233654

Ion Ratio Lower Upper

105 100

120 27.2 13.5 40.5



#74

N-ethyl acetate

Concen: 20.45 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion: 43 Resp: 96306

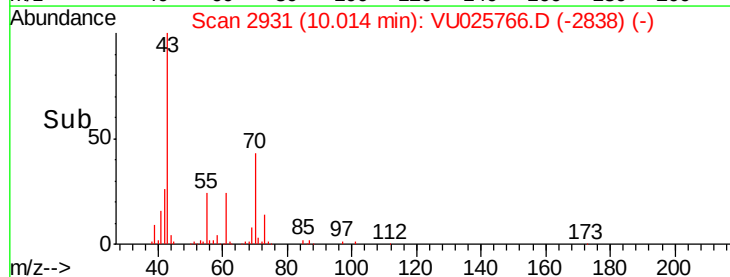
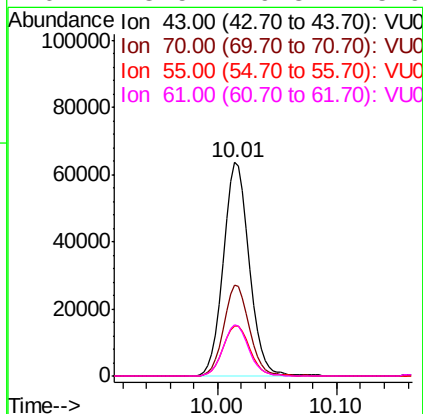
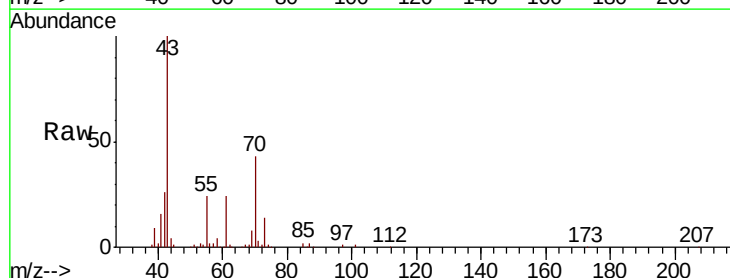
Ion Ratio Lower Upper

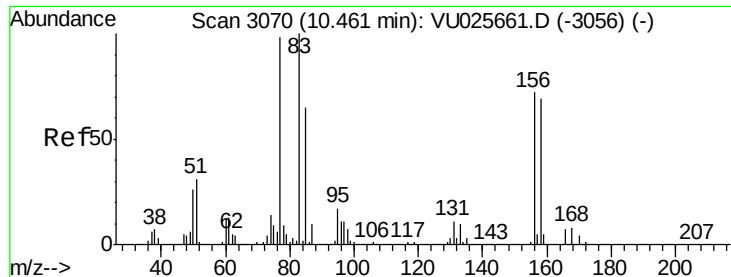
43 100

70 42.0 33.4 50.2

55 24.2 19.0 28.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.11 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

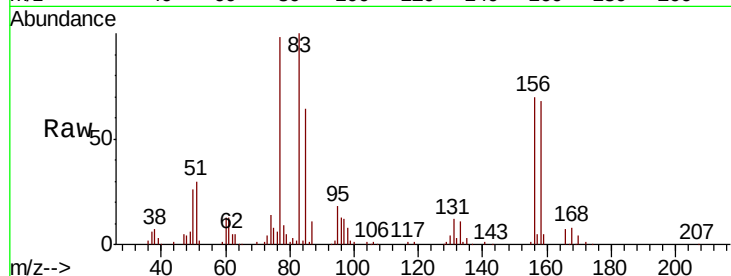
Tot Ion: 83 Resp: 80204

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.4

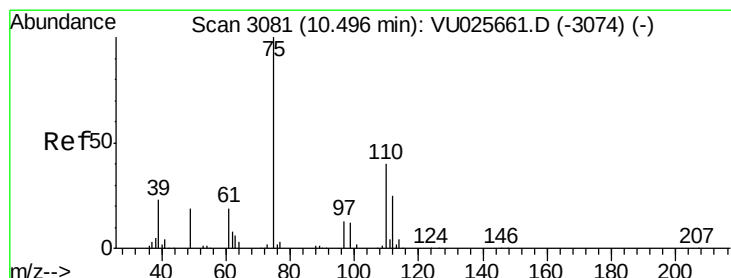
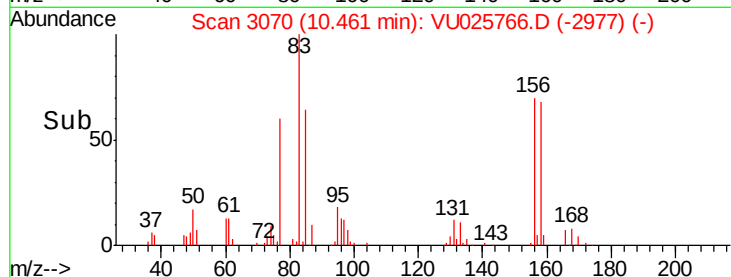
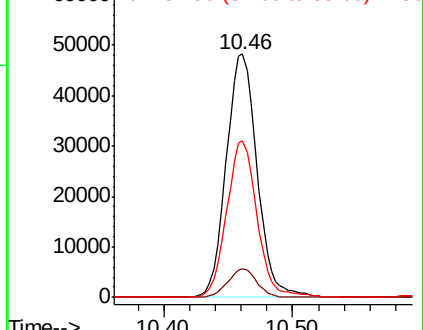
85 63.3 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 24.64 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025766.D

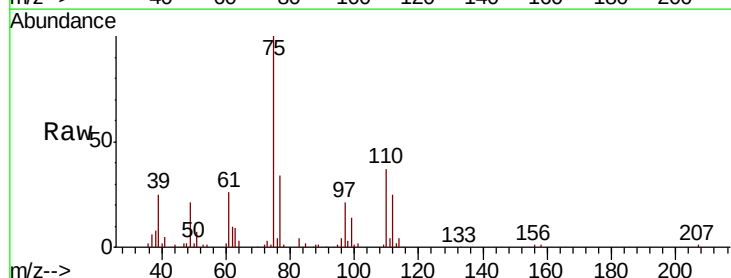
Acq: 01 Aug 2018 10:57

Tgt Ion: 75 Resp: 91762

Ion Ratio Lower Upper

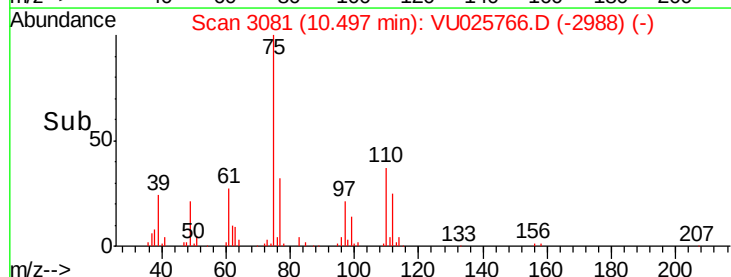
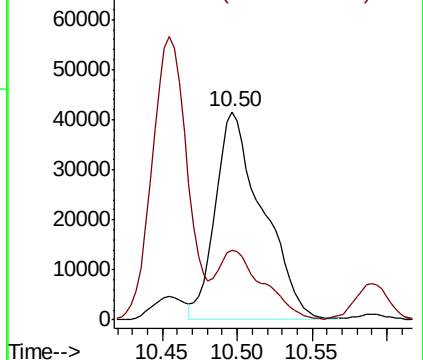
75 100

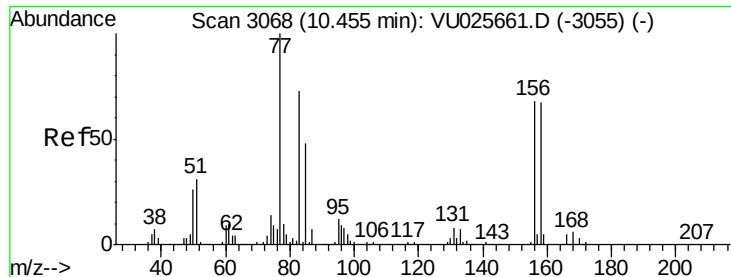
77 30.9 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 19.75 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

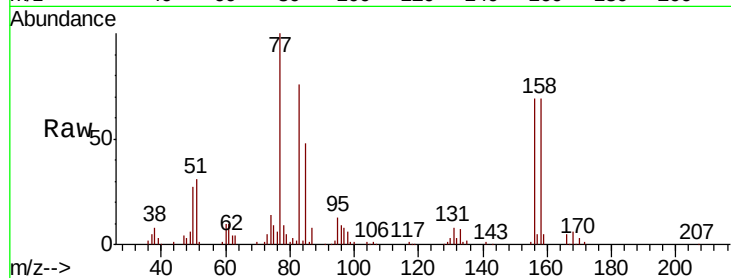
Tot Ion:156 Resp: 62839

Ion Ratio Lower Upper

156 100

77 146.7 73.8 221.4

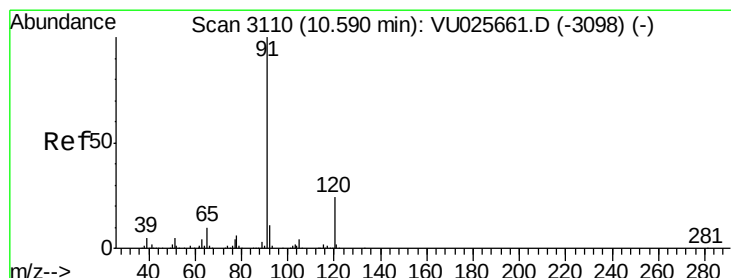
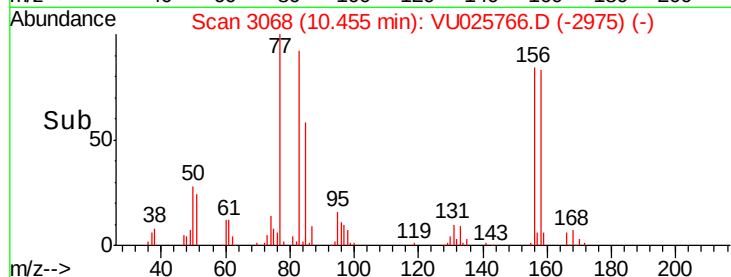
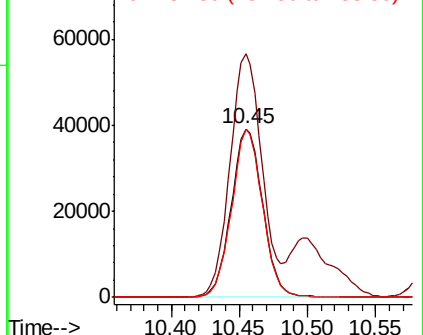
158 97.4 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.42 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025766.D

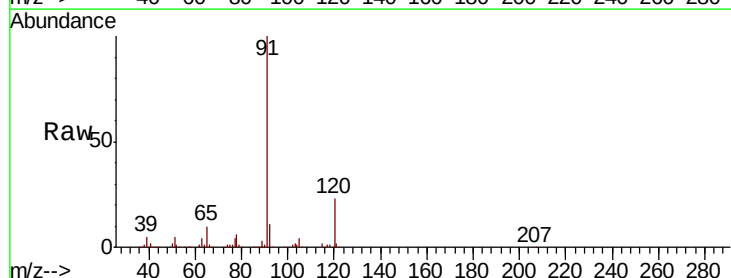
Acq: 01 Aug 2018 10:57

Tgt Ion: 91 Resp: 274988

Ion Ratio Lower Upper

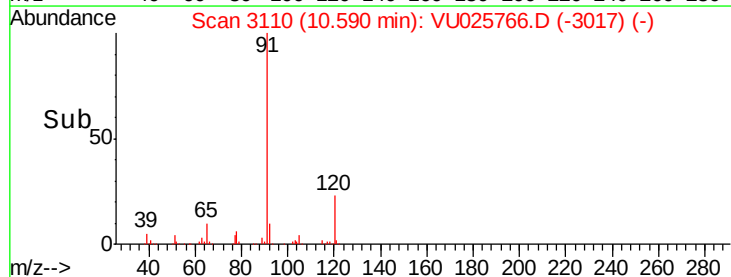
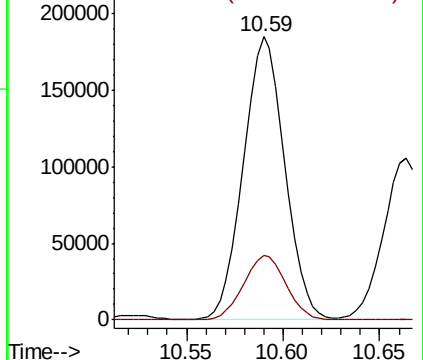
91 100

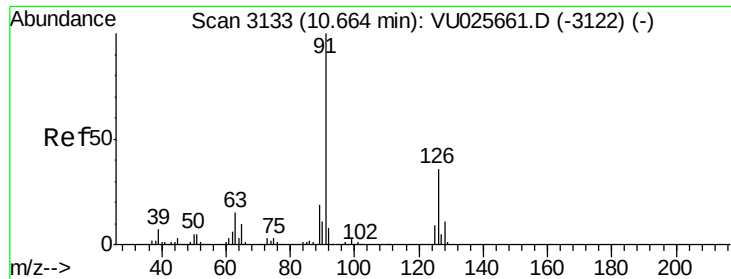
120 23.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.76 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

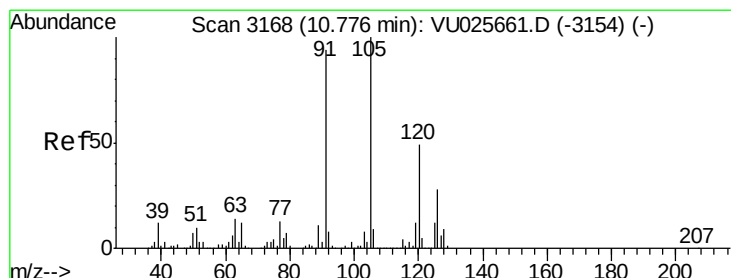
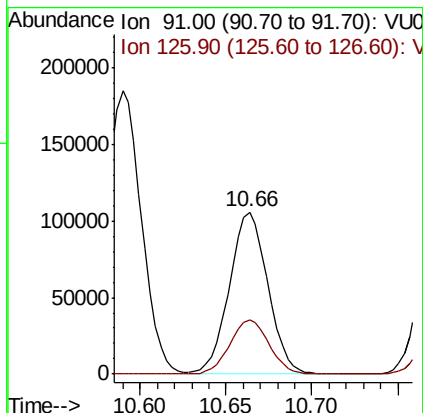
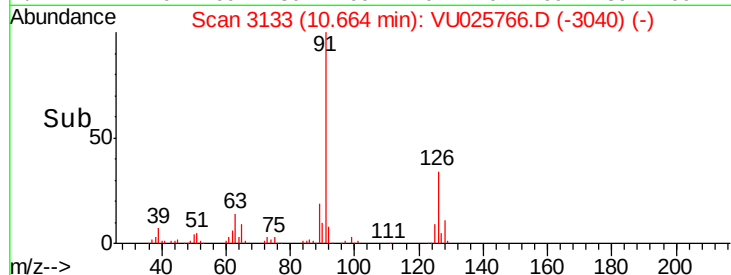
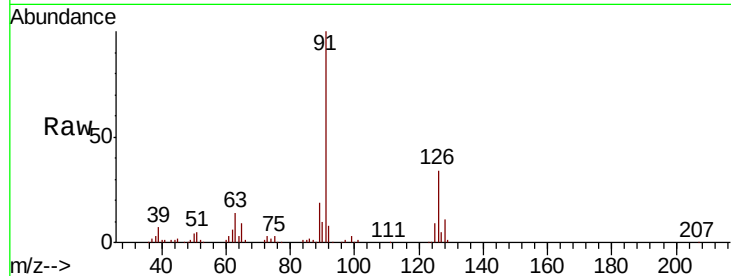
VU0801WBS03

Tot Ion: 91 Resp: 163744

Ion Ratio Lower Upper

91 100

126 34.5 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 20.50 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025766.D

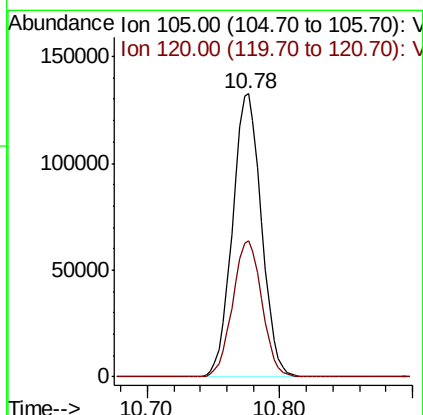
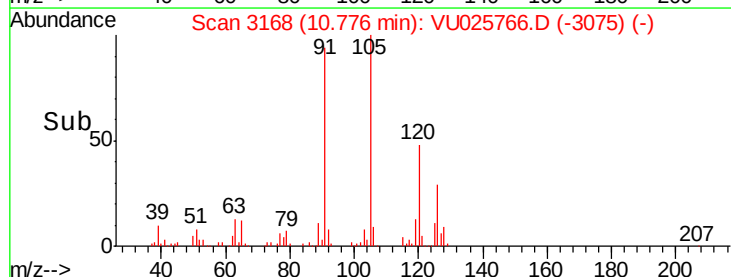
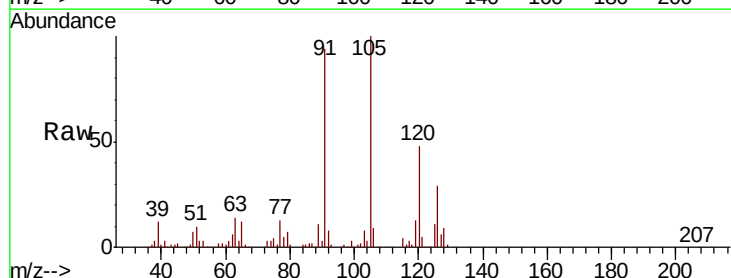
Acq: 01 Aug 2018 10:57

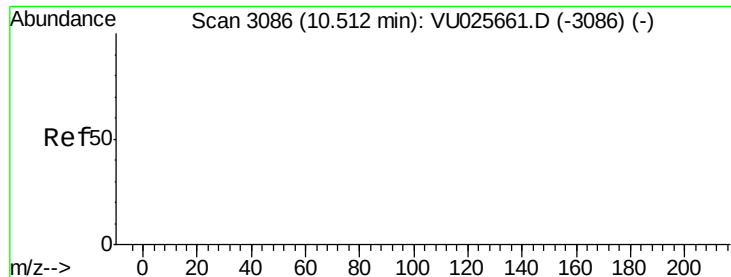
Tgt Ion:105 Resp: 200870

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 61.79 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

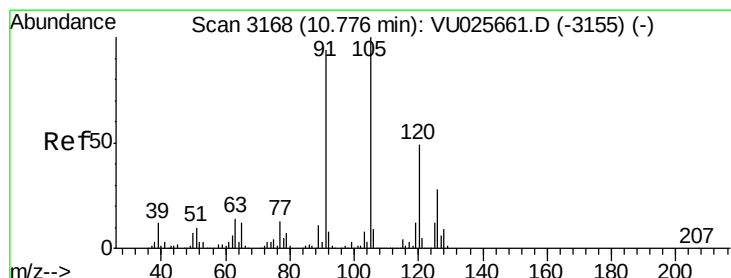
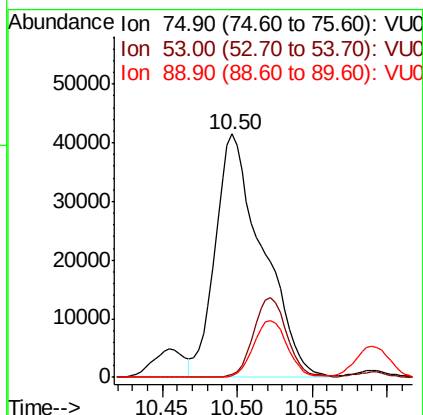
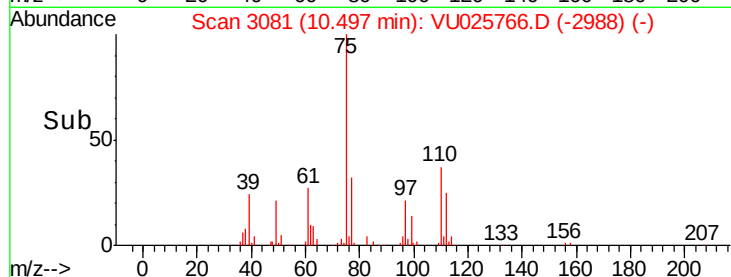
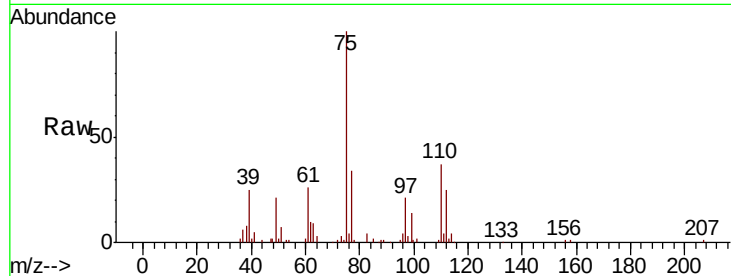
Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

Tot Ion: 75 Resp: 91762

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 53  | 0.0   | 0.0   | 0.0   |
| 89  | 0.0   | 0.0   | 0.0   |



#82

4-Chlorotoluene

Concen: 20.49 ug/l

RT: 10.78 min Scan# 3168

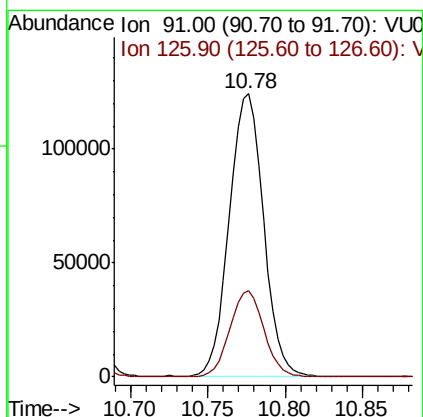
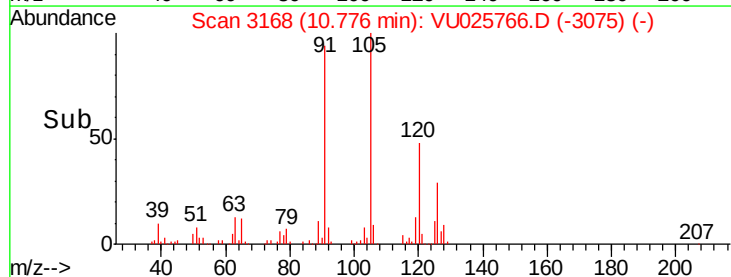
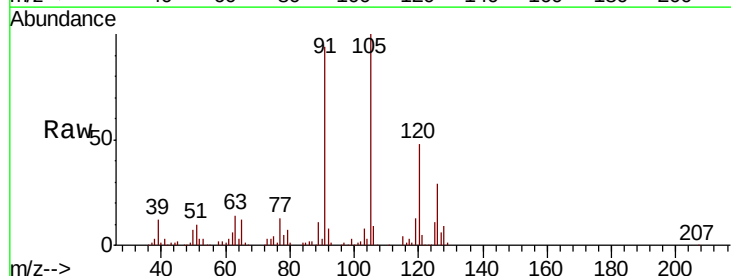
Delta R.T. 0.00 min

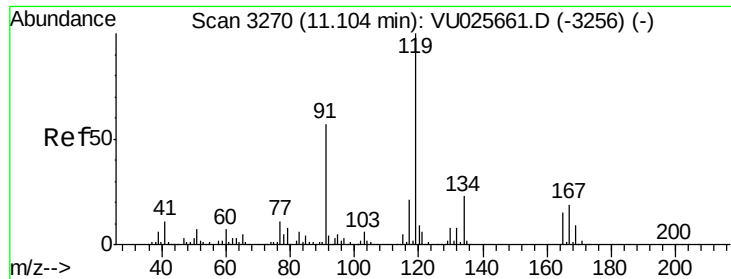
Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Tgt Ion: 91 Resp: 190429

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 126 | 30.4  | 15.3  | 45.9  |

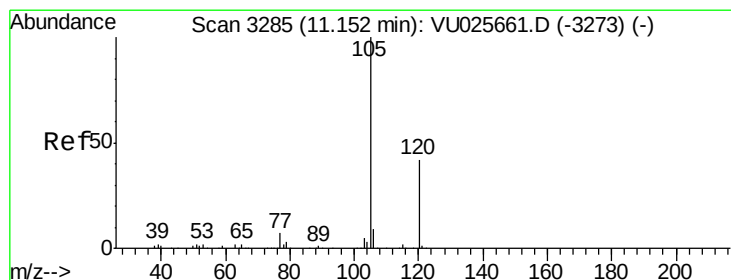
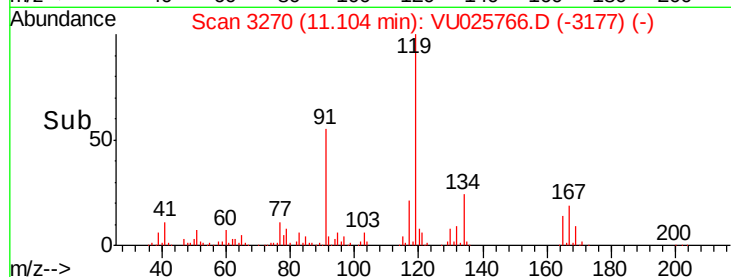
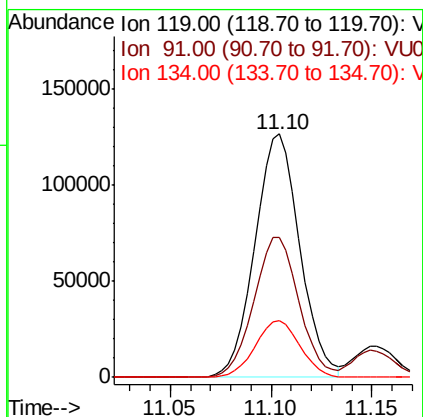
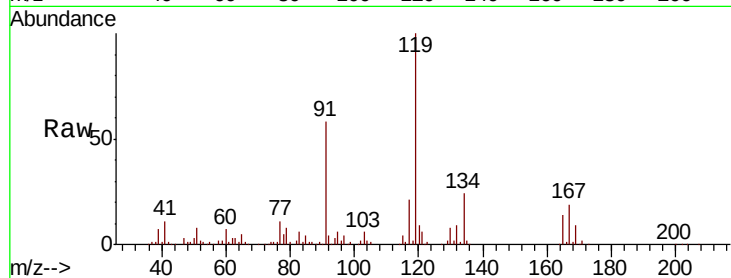




#83  
 tert-Butylbenzene  
 Concen: 20.22 ug/l  
 RT: 11.10 min Scan# 3270  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

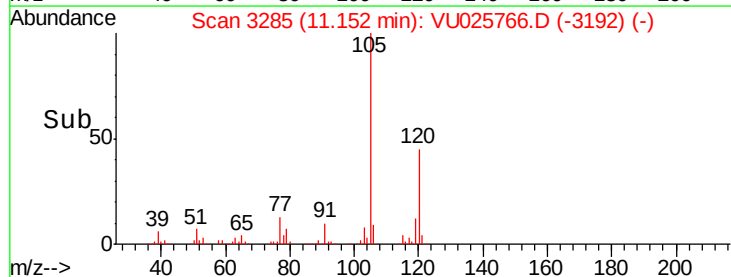
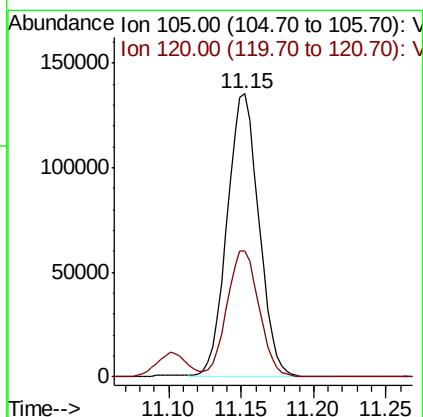
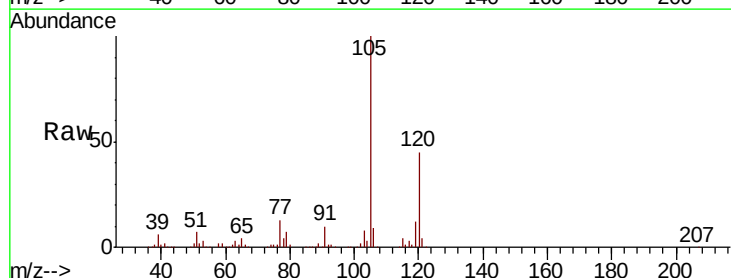
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

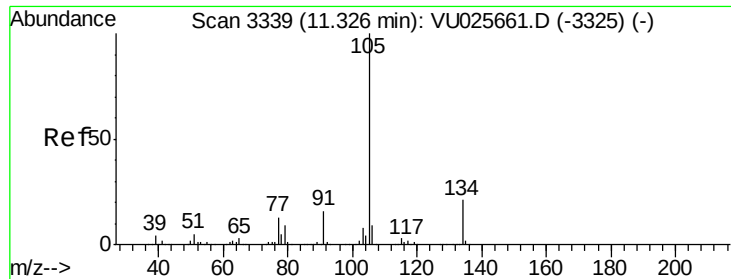
Tot Ion:119 Resp: 196787  
 Ion Ratio Lower Upper  
 119 100  
 91 58.1 29.7 89.1  
 134 23.4 11.5 34.5



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.82 ug/l  
 RT: 11.15 min Scan# 3285  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Tgt Ion:105 Resp: 206644  
 Ion Ratio Lower Upper  
 105 100  
 120 44.8 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.05 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

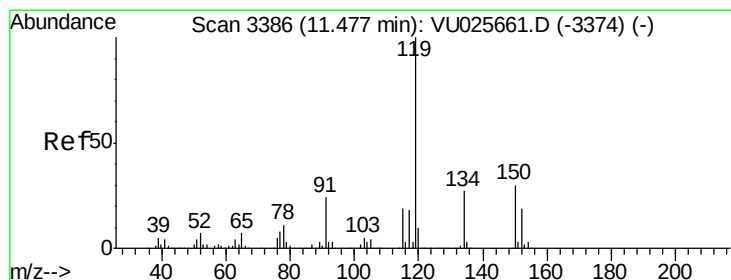
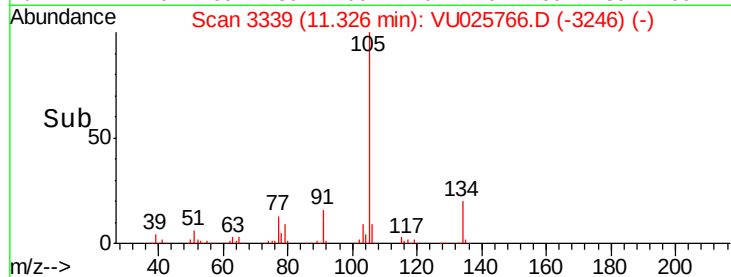
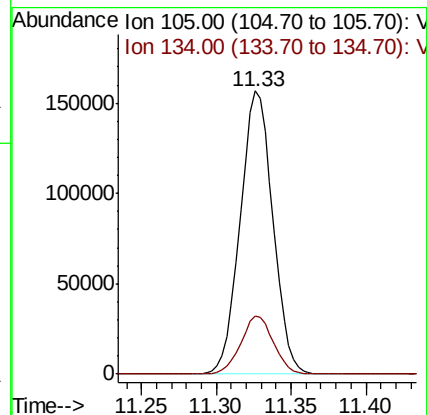
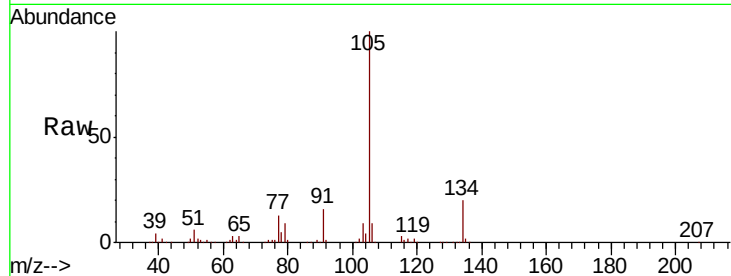
VU0801WBS03

Tot Ion:105 Resp: 238261

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.59 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

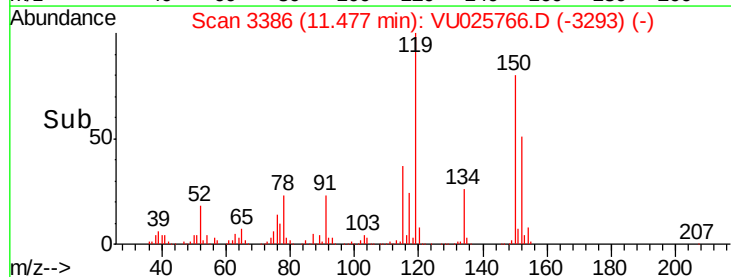
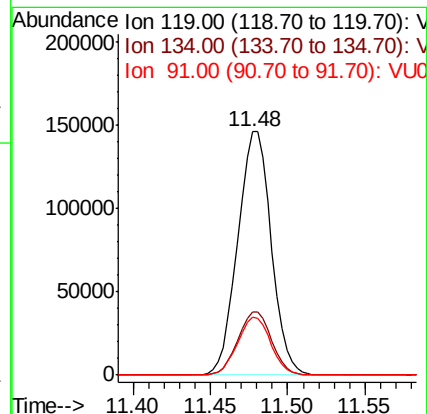
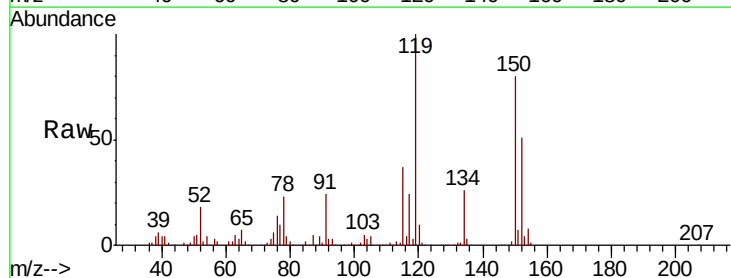
Tgt Ion:119 Resp: 219147

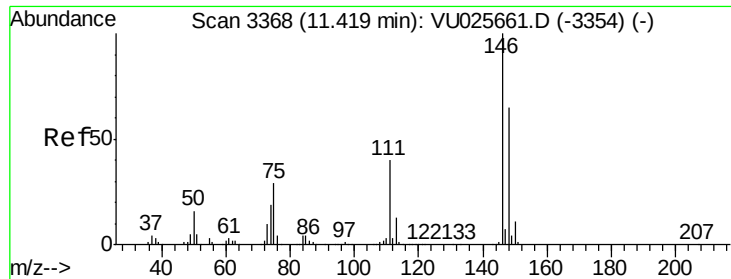
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.5 12.0 36.1

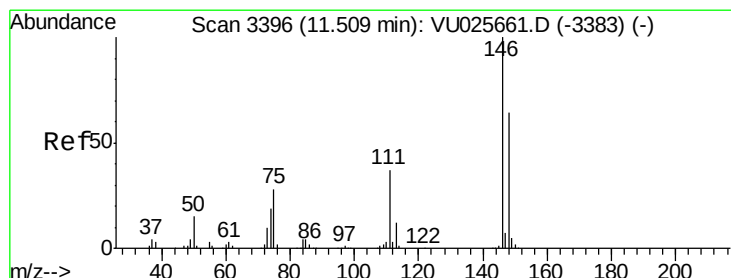
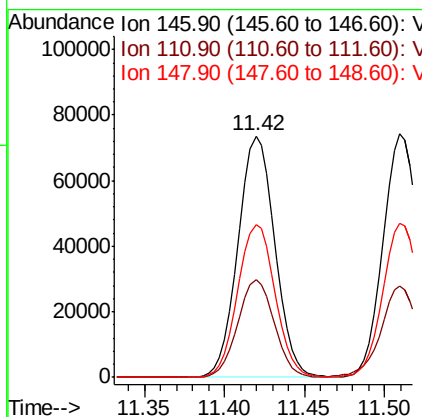
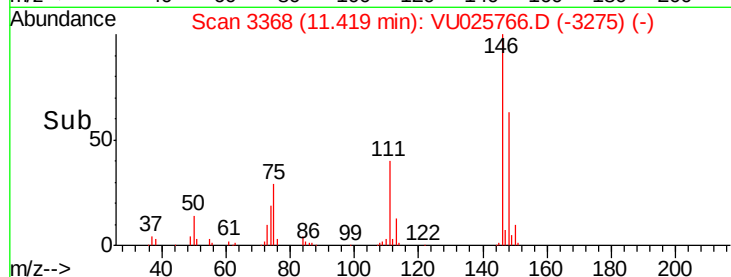
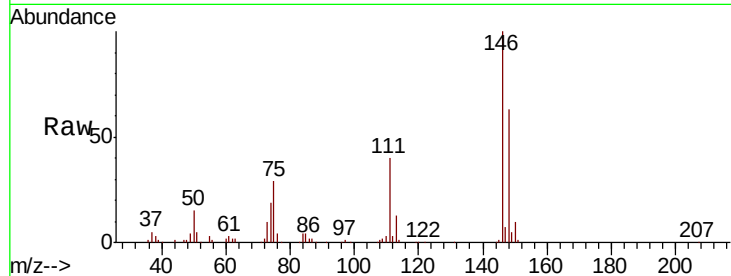




#87  
 1,3-Dichlorobenzene  
 Concen: 19.56 ug/l  
 RT: 11.42 min Scan# 3368  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

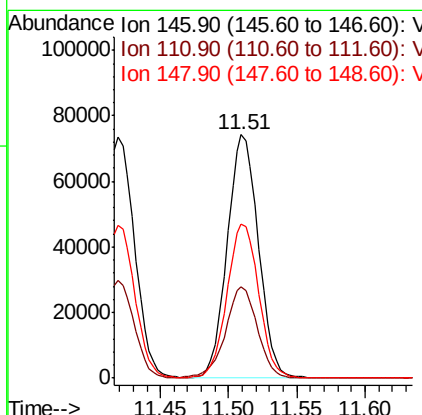
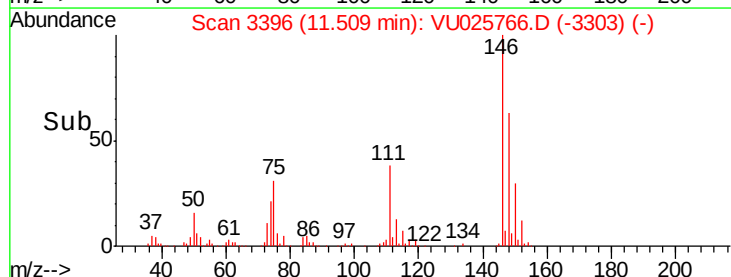
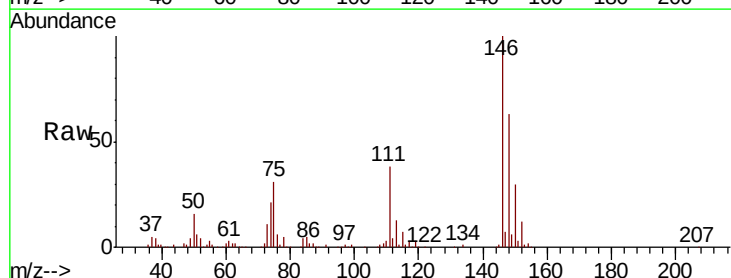
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

Tot Ion:146 Resp: 115498  
 Ion Ratio Lower Upper  
 146 100  
 111 39.9 19.7 59.1  
 148 64.1 32.1 96.3

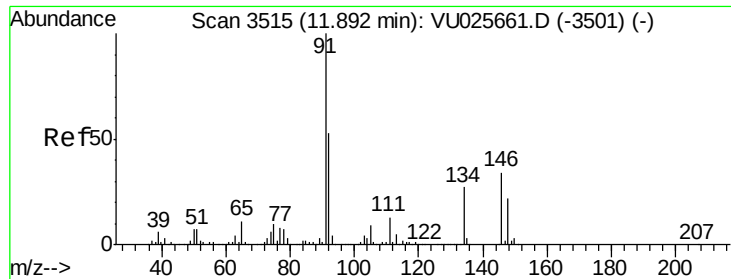


#88  
 1,4-Dichlorobenzene  
 Concen: 19.13 ug/l  
 RT: 11.51 min Scan# 3396  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

Tgt Ion:146 Resp: 117742  
 Ion Ratio Lower Upper  
 146 100  
 111 38.5 19.4 58.1  
 148 64.3 31.7 95.1







#89

n-Butylbenzene

Concen: 19.63 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025766.D

Acq: 01 Aug 2018 10:57

Instrument :

MSVOA\_U

ClientSampleId :

VU0801WBS03

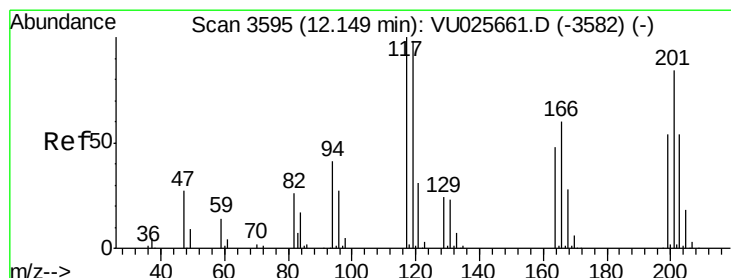
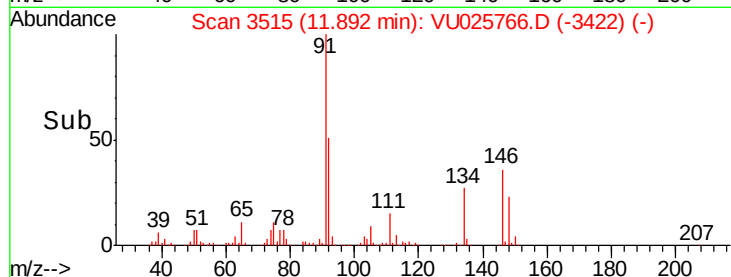
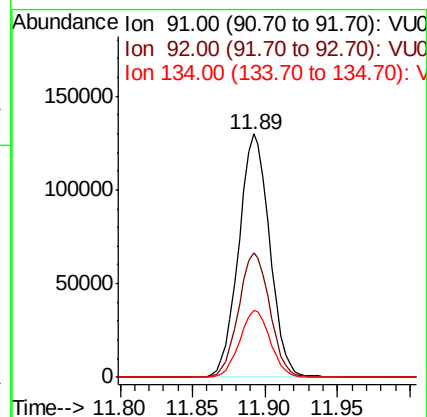
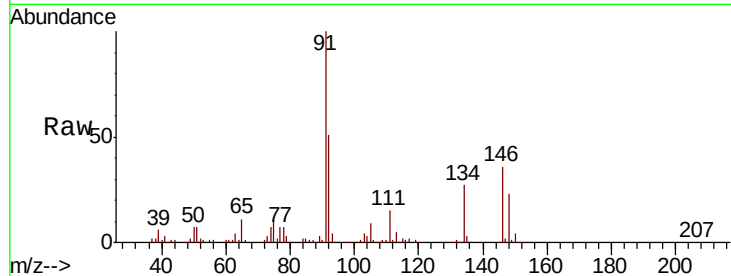
Tot Ion: 91 Resp: 192744

Ion Ratio Lower Upper

91 100

92 51.6 26.5 79.5

134 26.9 13.6 40.7



#90

Hexachloroethane

Concen: 19.21 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025766.D

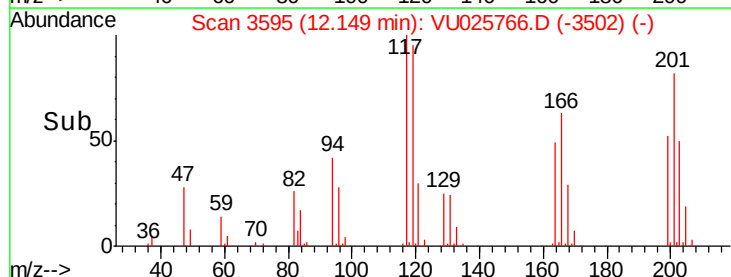
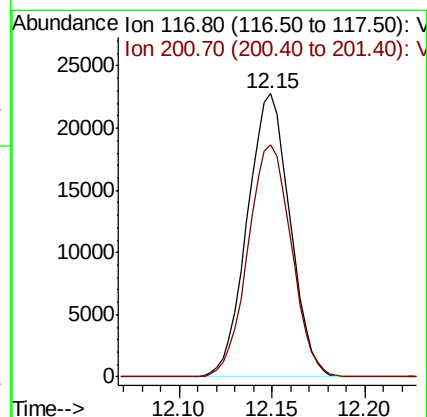
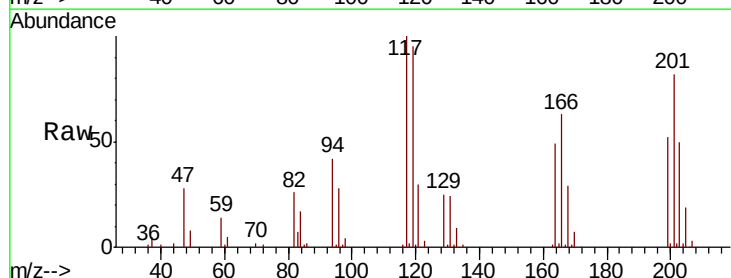
Acq: 01 Aug 2018 10:57

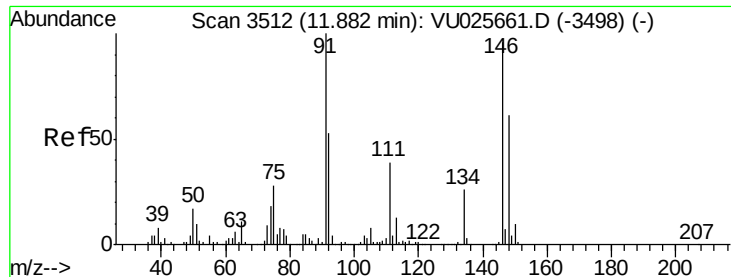
Tgt Ion: 117 Resp: 36351

Ion Ratio Lower Upper

117 100

201 83.6 42.5 127.6

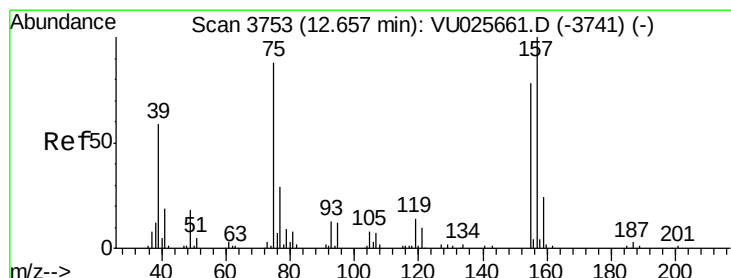
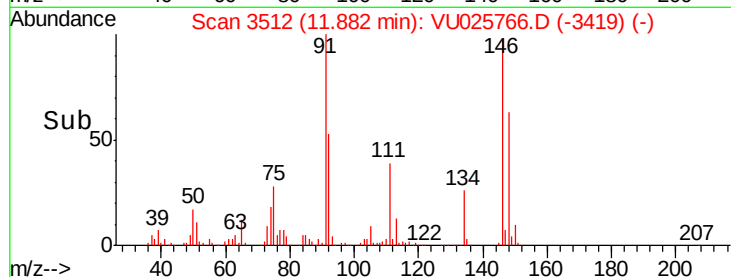
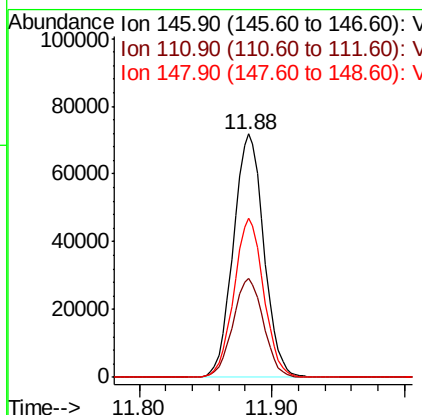
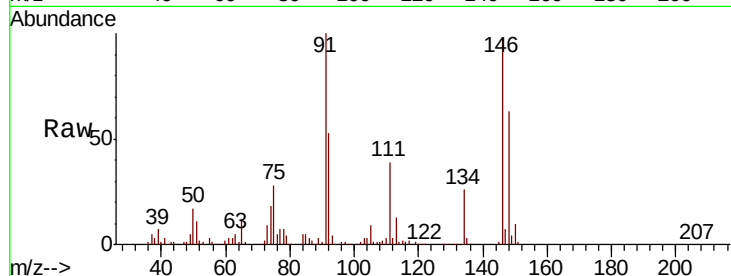




#91  
 1,2-Dichlorobenzene  
 Concen: 19.81 ug/l  
 RT: 11.88 min Scan# 3512  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

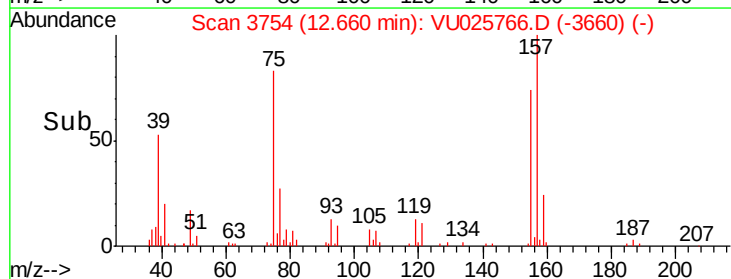
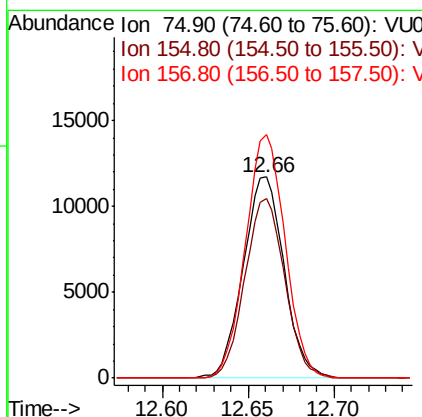
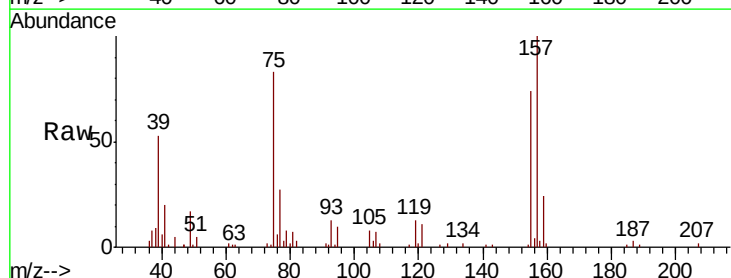
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

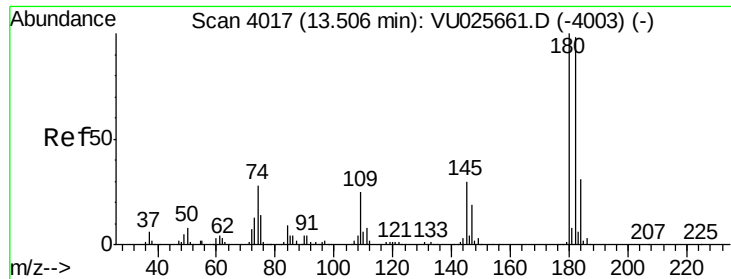
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.6  | 20.6  | 61.8  |
| 148     | 63.9  | 31.5  | 94.5  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 20.45 ug/l  
 RT: 12.66 min Scan# 3754  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 86.8  | 44.5  | 133.3 |
| 157     | 116.8 | 57.0  | 170.8 |

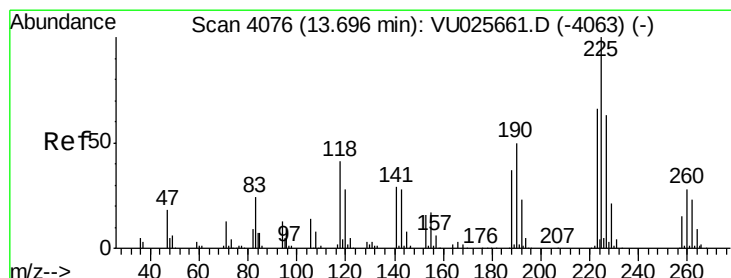
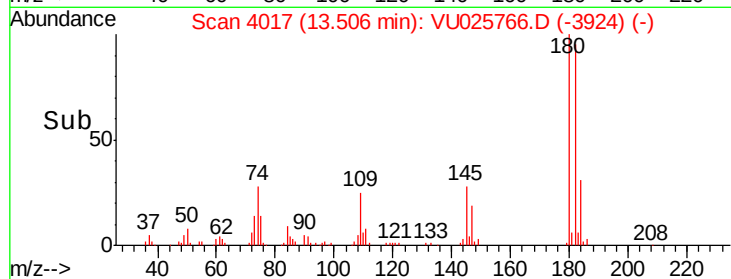
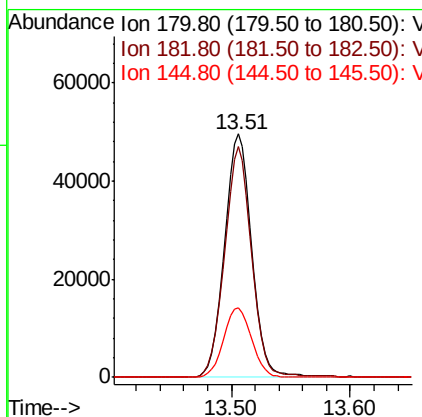
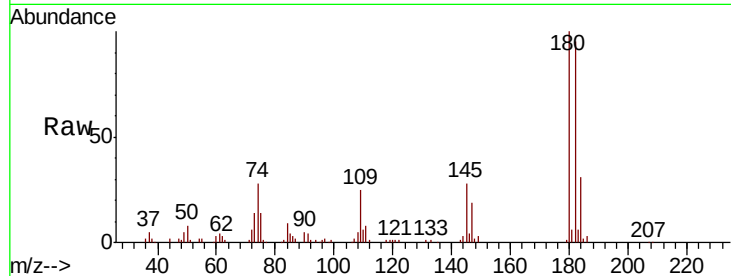




#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.08 ug/l  
 RT: 13.51 min Scan# 4017  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

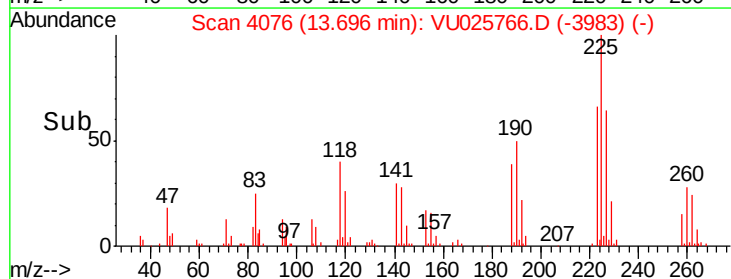
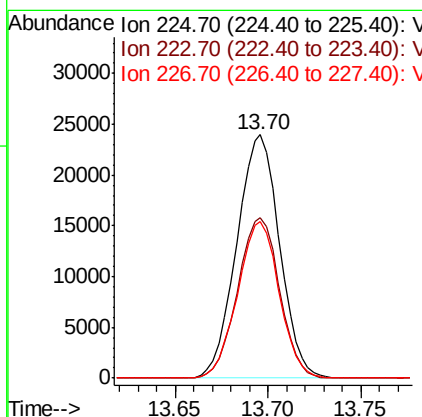
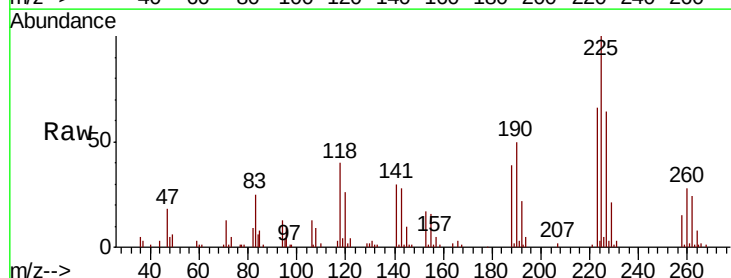
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0801WBS03

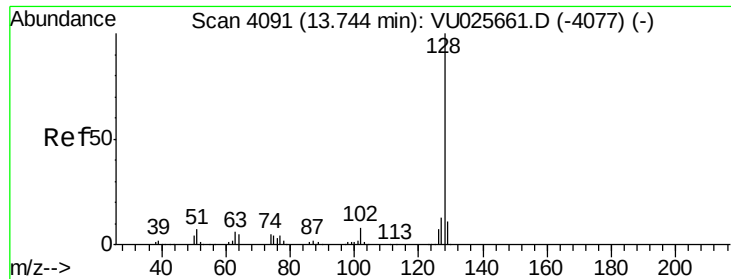
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 93.8  | 47.3  | 141.9 |
| 145     | 29.3  | 14.9  | 44.7  |



#94  
 Hexachlorobutadiene  
 Concen: 18.62 ug/l  
 RT: 13.70 min Scan# 4076  
 Delta R.T. 0.00 min  
 Lab File: VU025766.D  
 Acq: 01 Aug 2018 10:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.6  | 31.9  | 95.7  |
| 227     | 62.5  | 32.3  | 96.9  |

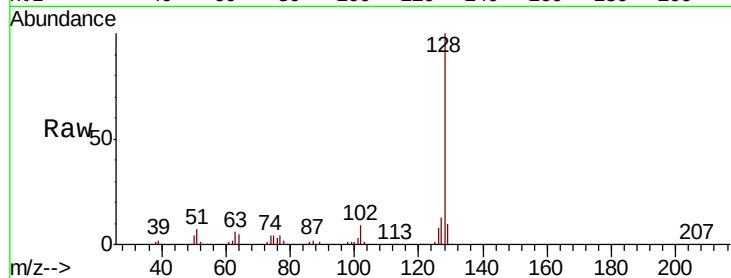




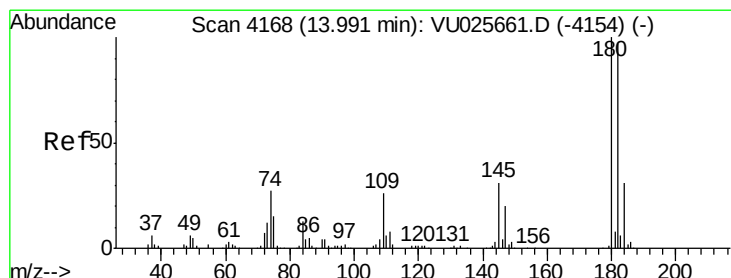
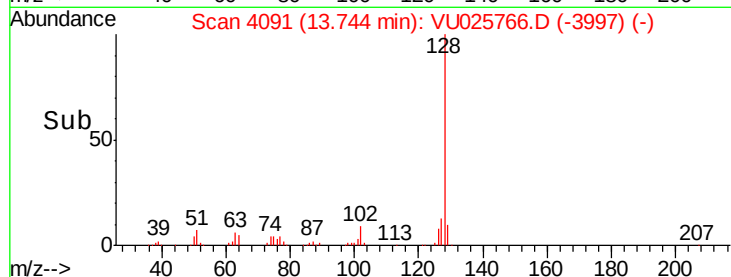
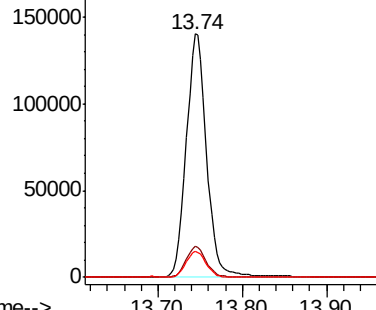
#95  
Naphthalene  
Concen: 19.59 ug/l  
RT: 13.74 min Scan# 4091  
Delta R.T. 0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0801WBS03

Tot Ion:128 Resp: 236081  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.5 15.7  
129 10.6 8.3 12.5

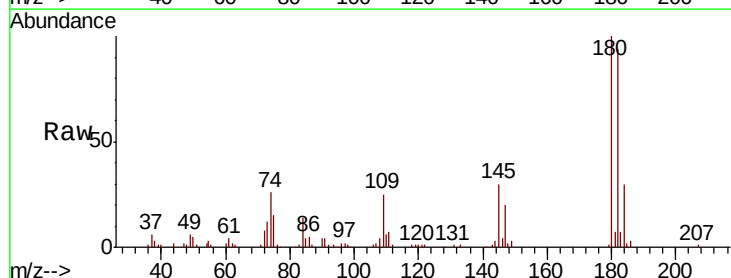


Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V



#96  
1,2,3-Trichlorobenzene  
Concen: 20.30 ug/l  
RT: 13.99 min Scan# 4167  
Delta R.T. -0.00 min  
Lab File: VU025766.D  
Acq: 01 Aug 2018 10:57

Tgt Ion:180 Resp: 79134  
Ion Ratio Lower Upper  
180 100  
182 95.7 47.8 143.3  
145 31.6 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.90 (144.60 to 145.60): V

