

Data File : VU031508.D  
Acq On : 25 Apr 2019 19:23  
Operator : JC/SP  
Sample : VSTDIC002  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

Quant Time: Apr 26 03:00:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U042619DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Fri Apr 26 02:56:29 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 5.74 | 96   | 70482    | 1.00 | ug/l  | 0.00     |

|                             |       |     |          |      |        |      |
|-----------------------------|-------|-----|----------|------|--------|------|
| System Monitoring Compounds |       |     |          |      |        |      |
| 57) 4-Bromofluorobenzene    | 10.31 | 95  | 22878    | 0.90 | ug/l   | 0.00 |
| Spiked Amount 1.000         |       |     | Recovery | =    | 90.00% |      |
| 68) 1,2-Dichlorobenzene-d4  | 11.86 | 152 | 23670    | 0.94 | ug/l   | 0.00 |
| Spiked Amount 1.000         |       |     | Recovery | =    | 94.00% |      |

| Target Compounds              |      |     |        |             | Qvalue |
|-------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 65206  | 2.135 ug/l  | 99     |
| 3) Chloromethane              | 1.32 | 50  | 73665  | 2.243 ug/l  | 98     |
| 4) Vinyl Chloride             | 1.40 | 62  | 72403  | 2.256 ug/l  | 97     |
| 5) Bromomethane               | 1.63 | 94  | 34065  | 1.890 ug/l  | 97     |
| 6) Chloroethane               | 1.70 | 64  | 40338  | 1.891 ug/l  | 95     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 81339  | 1.809 ug/l  | 98     |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101 | 43016  | 1.928 ug/l  | 94     |
| 9) 1,1-Dichloroethene         | 2.28 | 96  | 40798  | 1.830 ug/l  | 100    |
| 10) Iodomethane               | 2.41 | 142 | 41934  | 1.428 ug/l  | 99     |
| 11) Allyl Chloride            | 2.59 | 41  | 87671  | 1.980 ug/l  | 100    |
| 12) Acrylonitrile             | 2.94 | 53  | 22370  | 3.459 ug/l  | 94     |
| 13) Acetone                   | 2.33 | 43  | 53940  | 9.136 ug/l  | 95     |
| 14) Carbon Disulfide          | 2.47 | 76  | 154260 | 1.867 ug/l  | 99     |
| 15) Methylene Chloride        | 2.70 | 84  | 49509  | 1.727 ug/l  | 95     |
| 16) trans-1,2-Dichloroethene  | 2.97 | 96  | 44432  | 1.803 ug/l  | 93     |
| 17) 1,1-Dichloroethane        | 3.44 | 63  | 92549  | 2.250 ug/l  | 99     |
| 18) 2-Butanone                | 4.28 | 43  | 67513  | 10.576 ug/l | 97     |
| 19) Cyclohexane               | 4.98 | 56  | 58115  | 1.954 ug/l  | 90     |
| 20) Methylcyclohexane         | 6.41 | 83  | 52354  | 1.826 ug/l  | 90     |
| 21) 2,2-Dichloropropane       | 4.22 | 77  | 67083  | 2.136 ug/l  | 98     |
| 22) cis-1,2-Dichloroethene    | 4.22 | 96  | 46689  | 2.095 ug/l  | 99     |
| 23) Diethyl Ether             | 2.10 | 59  | 37292  | 1.791 ug/l  | 98     |
| 24) tert-Butyl Alcohol        | 2.85 | 59  | 38546  | 17.535 ug/l | 98     |
| 25) Methyl tert-Butyl Ether   | 3.00 | 73  | 113602 | 1.750 ug/l  | 99     |
| 26) Bromochloromethane        | 4.54 | 128 | 19799  | 1.972 ug/l  | 96     |
| 27) Chloroform                | 4.67 | 83  | 84573  | 2.104 ug/l  | 98     |
| 28) 1,1,1-Trichloroethane     | 4.91 | 97  | 71172  | 2.092 ug/l  | 99     |
| 29) 1,1-Dichloropropene       | 5.13 | 75  | 56423  | 1.969 ug/l  | 97     |
| 30) Carbon Tetrachloride      | 5.13 | 117 | 59326  | 1.989 ug/l  | 91     |
| 31) Isopropyl Ether           | 3.57 | 45  | 134907 | 2.214 ug/l  | 97     |
| 32) Ethyl-t-butyl ether       | 4.07 | 59  | 104609 | 2.043 ug/l  | 98     |
| 33) Tert-Amyl methyl ether    | 5.58 | 73  | 82491  | 1.895 ug/l  | 97     |
| 34) Propionitrile             | 4.35 | 54  | 19148  | 10.898 ug/l | 94     |
| 35) Benzene                   | 5.39 | 78  | 181335 | 2.147 ug/l  | 100    |
| 36) 1,2-Dichloroethane        | 5.40 | 62  | 56361  | 2.094 ug/l  | 99     |
| 37) Trichloroethene           | 6.18 | 130 | 42190  | 1.809 ug/l  | 99     |
| 38) 1,2-Dichloropropane       | 6.43 | 63  | 50917  | 2.250 ug/l  | 99     |
| 39) Methacrylonitrile         | 4.55 | 41  | 14160  | 1.794 ug/l  | # 92   |
| 40) Methyl acrylate           | 4.43 | 55  | 18896  | 1.855 ug/l  | # 93   |
| 41) Tetrahydrofuran           | 4.65 | 42  | 16460  | 4.089 ug/l  | 97     |
| 42) 1-Chlorobutane            | 5.06 | 56  | 84709  | 2.067 ug/l  | 98     |

Data File : VU031508.D  
Acq On : 25 Apr 2019 19:23  
Operator : JC/SP  
Sample : VSTDIC002  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

Quant Time: Apr 26 03:00:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U042619DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Fri Apr 26 02:56:29 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 43) Dibromomethane             | 6.56  | 93   | 24238    | 2.023 | ug/l   | 96       |
| 44) Bromodichloromethane       | 6.75  | 83   | 61641    | 2.123 | ug/l   | 99       |
| 45) 4-Methyl-2-Pentanone       | 7.46  | 43   | 139103   | 9.817 | ug/l   | 96       |
| 46) t-1,4-Dichloro-2-butene    | 10.49 | 75   | 47395    | 9.003 | ug/l # | 46       |
| 47) Methyl methacrylate        | 6.63  | 69   | 36708    | 3.668 | ug/l   | 96       |
| 48) Ethyl methacrylate         | 8.02  | 69   | 29664    | 1.682 | ug/l   | 93       |
| 49) Toluene                    | 7.63  | 92   | 87261    | 1.896 | ug/l   | 96       |
| 50) t-1,3-Dichloropropene      | 7.88  | 75   | 44899    | 1.832 | ug/l   | 94       |
| 51) cis-1,3-Dichloropropene    | 7.27  | 75   | 57008    | 1.953 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane      | 8.07  | 97   | 33423    | 2.080 | ug/l   | 93       |
| 53) 1,3-Dichloropropane        | 8.24  | 76   | 54923    | 1.999 | ug/l   | 98       |
| 54) 2-Hexanone                 | 8.37  | 43   | 94048    | 9.812 | ug/l   | 93       |
| 55) Dibromochloromethane       | 8.47  | 129  | 34496    | 1.817 | ug/l   | 97       |
| 56) 1,2-Dibromoethane          | 8.59  | 107  | 28608    | 1.918 | ug/l   | 98       |
| 58) Tetrachloroethene          | 8.22  | 164  | 45484    | 2.284 | ug/l   | 95       |
| 59) Chlorobenzene              | 9.12  | 112  | 95496    | 1.886 | ug/l   | 95       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 38276    | 2.010 | ug/l   | 98       |
| 61) Pentachloroethane          | 11.10 | 117  | 27849    | 1.914 | ug/l   | 89       |
| 62) Hexachloroethane           | 12.14 | 117  | 25887    | 1.821 | ug/l   | 98       |
| 63) Ethyl Benzene              | 9.25  | 91   | 148770   | 1.829 | ug/l   | 98       |
| 64) m/p-Xylenes                | 9.37  | 106  | 109959   | 3.566 | ug/l   | 98       |
| 65) o-Xylene                   | 9.78  | 106  | 54651    | 1.847 | ug/l   | 96       |
| 66) Styrene                    | 9.79  | 104  | 85307    | 1.700 | ug/l   | 94       |
| 67) Bromoform                  | 9.96  | 173  | 20762    | 1.916 | ug/l   | 97       |
| 69) Isopropylbenzene           | 10.16 | 105  | 143290   | 1.811 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 40312    | 1.932 | ug/l   | 97       |
| 71) 1,2,3-Trichloropropane     | 10.49 | 75   | 47395    | 3.155 | ug/l # | 79       |
| 72) Bromobenzene               | 10.45 | 156  | 37307    | 1.797 | ug/l   | 96       |
| 73) n-propylbenzene            | 10.58 | 120  | 37474    | 1.778 | ug/l   | 97       |
| 74) 2-Chlorotoluene            | 10.66 | 126  | 35648    | 1.836 | ug/l   | 97       |
| 75) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 120675   | 1.793 | ug/l   | 98       |
| 76) 4-Chlorotoluene            | 10.77 | 126  | 36445    | 1.857 | ug/l   | 95       |
| 77) tert-Butylbenzene          | 11.10 | 119  | 118041   | 1.816 | ug/l   | 100      |
| 78) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 124022   | 1.832 | ug/l   | 100      |
| 79) sec-Butylbenzene           | 11.32 | 105  | 158602   | 1.799 | ug/l   | 99       |
| 80) Nitrobenzene               | 12.89 | 77   | 2220     | 3.361 | ug/l # | 59       |
| 81) p-Isopropyltoluene         | 11.47 | 119  | 121446   | 1.722 | ug/l   | 98       |
| 82) 1,3-Dichlorobenzene        | 11.41 | 146  | 75052    | 1.828 | ug/l   | 97       |
| 83) 1,4-Dichlorobenzene        | 11.51 | 146  | 75322    | 1.900 | ug/l   | 96       |
| 84) n-Butylbenzene             | 11.89 | 91   | 116348   | 1.704 | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene        | 11.88 | 146  | 73501    | 1.917 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 5793     | 1.959 | ug/l   | 97       |
| 87) 1,2,4-Trichlorobenzene     | 13.50 | 180  | 35368    | 1.540 | ug/l   | 97       |
| 88) Hexachlorobutadiene        | 13.69 | 225  | 27265    | 1.753 | ug/l   | 98       |
| 89) Naphthalene                | 13.75 | 128  | 53610    | 1.396 | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene     | 13.99 | 180  | 36508    | 1.583 | ug/l   | 98       |

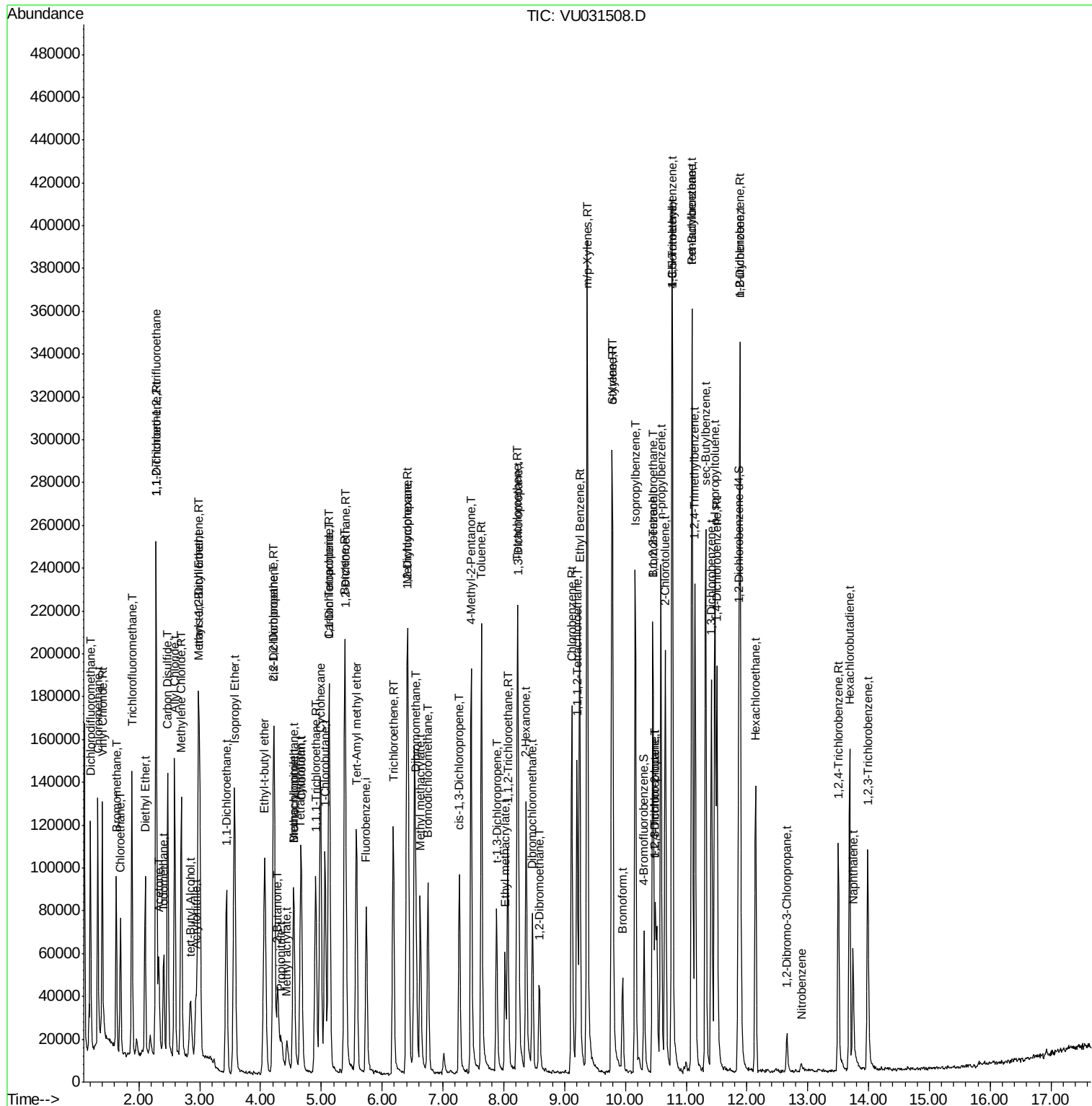
(#) = qualifier out of range (m) = manual integration (+) = signals summed

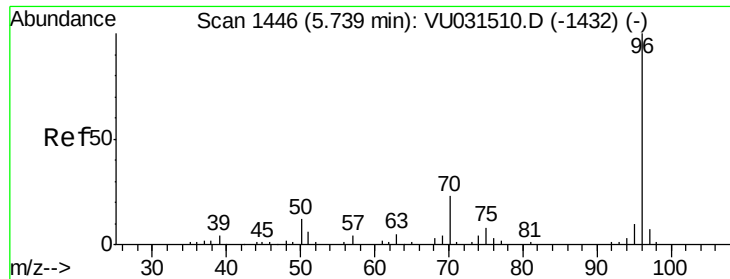
Data File : VU031508.D

```
Acq On       : 25 Apr 2019   19:23
Operator    : JC/SP
Sample      : VSTDIC002
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 6      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
VSTDICC002

Quant Time: Apr 26 03:00:56 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A\_U\METHOD\524U042619DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Fri Apr 26 02:56:29 2019  
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 96 Resp: 70482

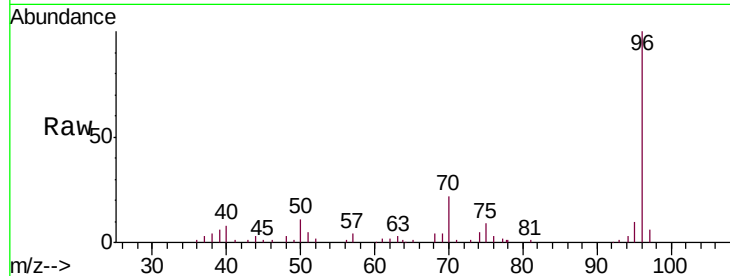
Ion Ratio Lower Upper

96 100

70 20.1 18.2 27.2

95 9.6 7.7 11.5

97 5.5 0.0 0.0#

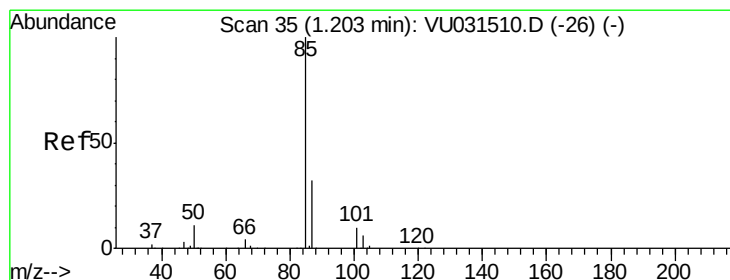
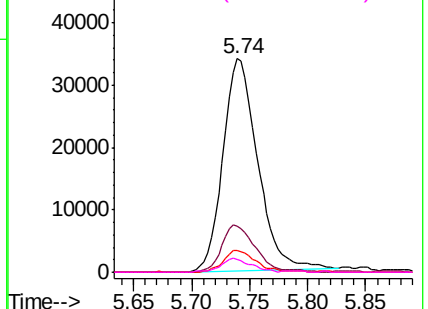
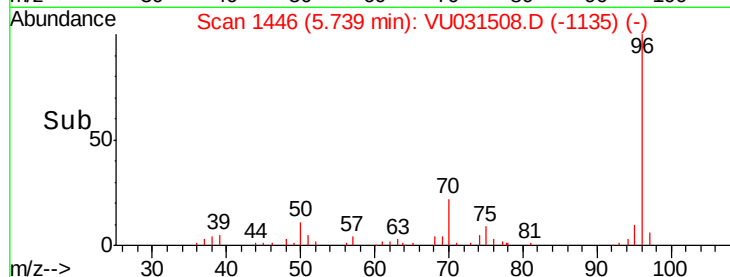


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 2.135 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU031508.D

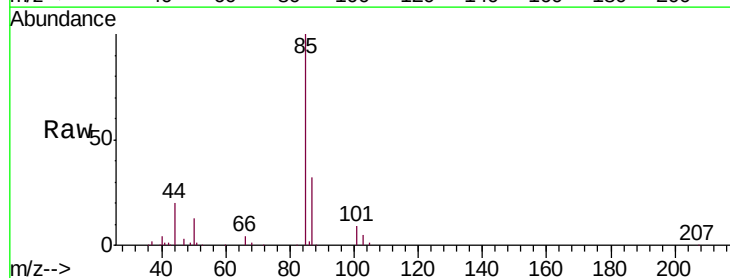
Acq: 25 Apr 2019 19:23

Tgt Ion: 85 Resp: 65206

Ion Ratio Lower Upper

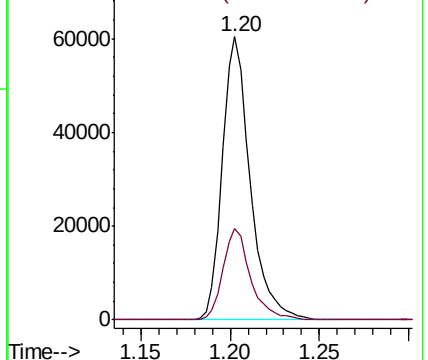
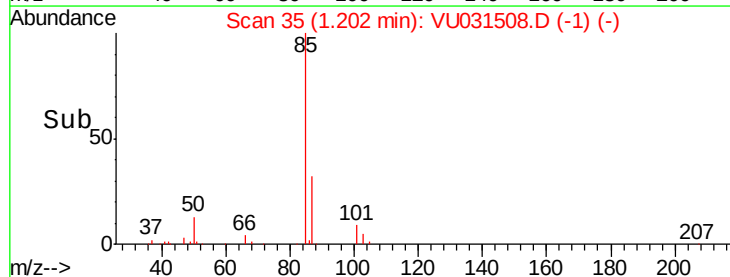
85 100

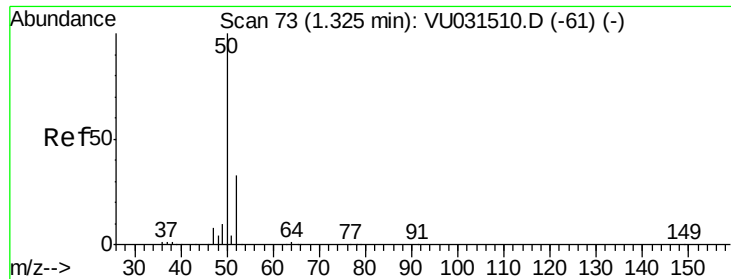
87 32.5 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 2.243 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

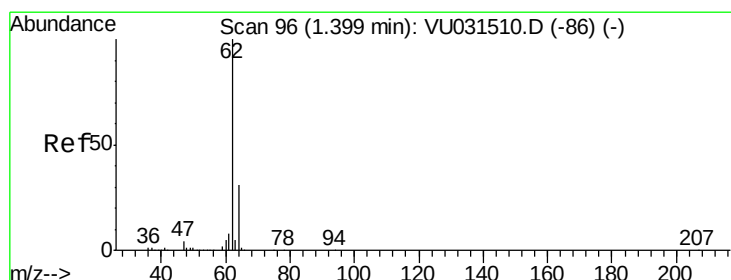
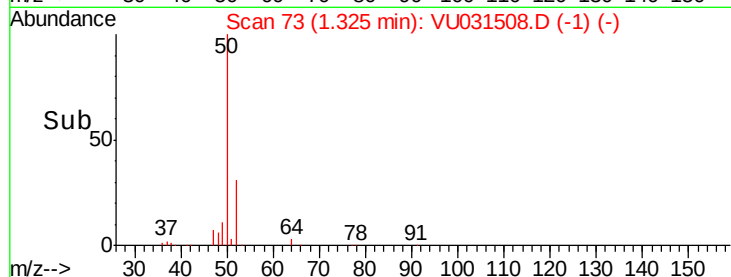
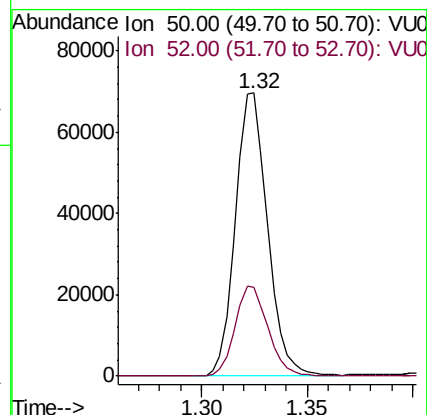
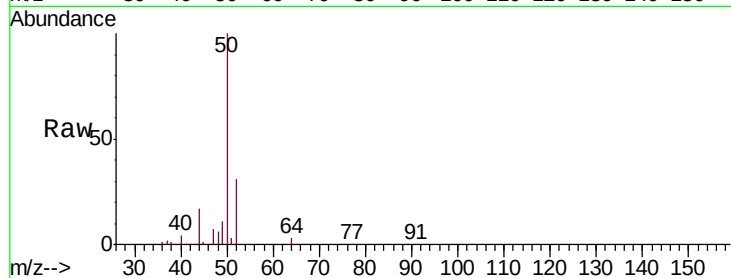
VSTDIC002

Tgt Ion: 50 Resp: 73665

Ion Ratio Lower Upper

50 100

52 31.4 26.1 39.1



#4

Vinyl Chloride

Concen: 2.256 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031508.D

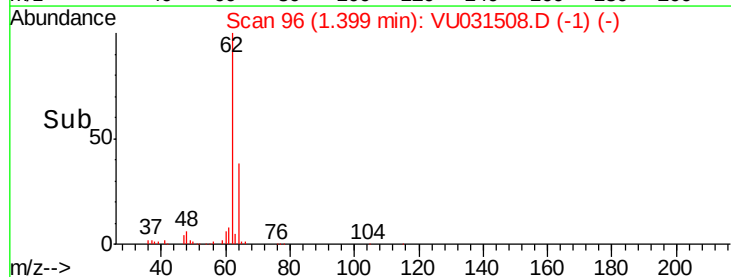
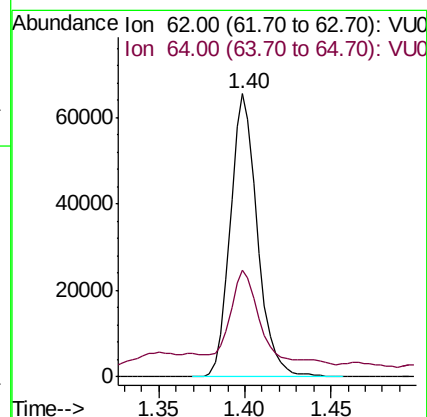
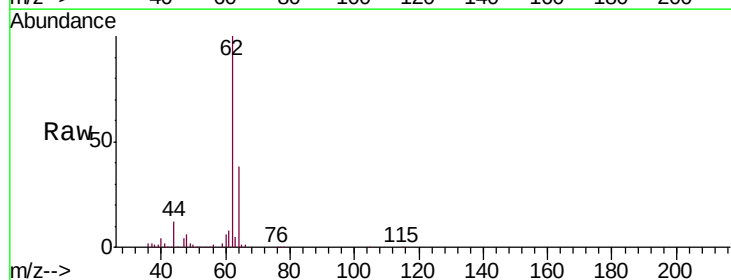
Acq: 25 Apr 2019 19:23

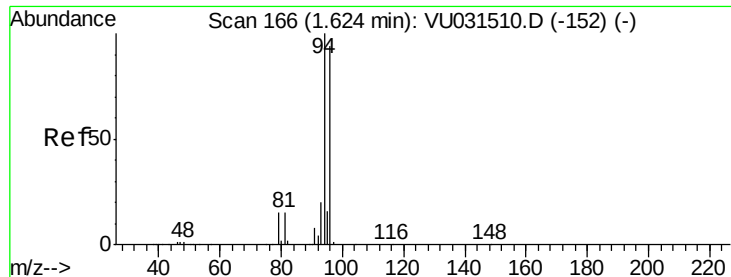
Tgt Ion: 62 Resp: 72403

Ion Ratio Lower Upper

62 100

64 33.3 25.5 38.3





#5

Bromomethane

Concen: 1.890 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

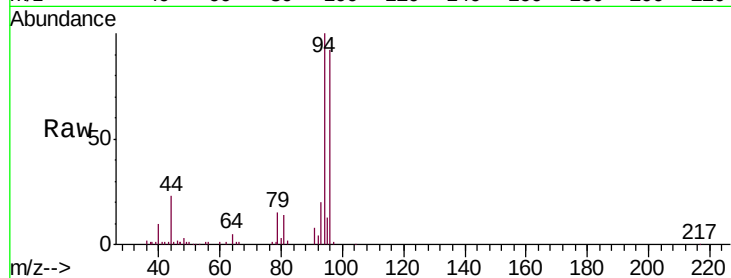
VSTDIC002

Tgt Ion: 94 Resp: 34065

Ion Ratio Lower Upper

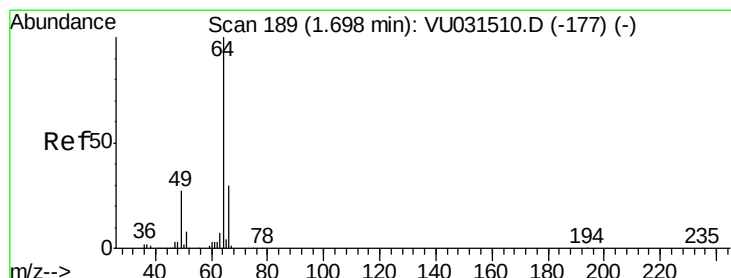
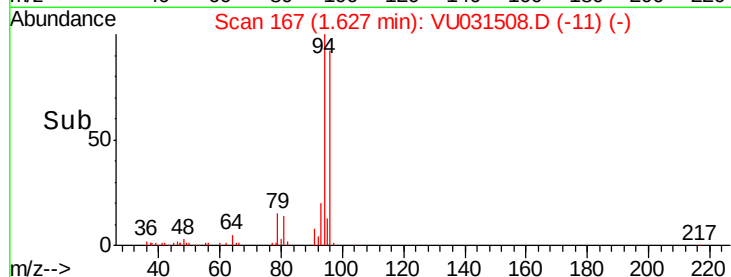
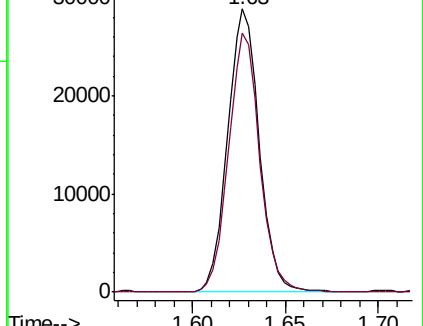
94 100

96 91.5 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VU031510.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU031510.D (-152) (-)



#6

Chloroethane

Concen: 1.891 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031508.D

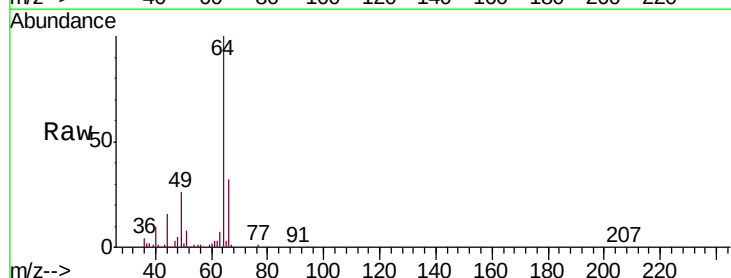
Acq: 25 Apr 2019 19:23

Tgt Ion: 64 Resp: 40338

Ion Ratio Lower Upper

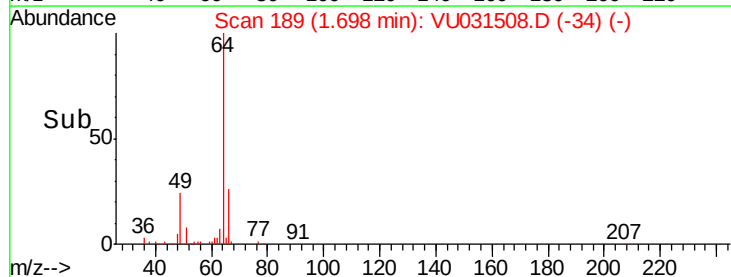
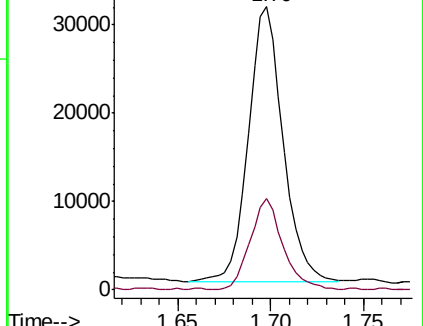
64 100

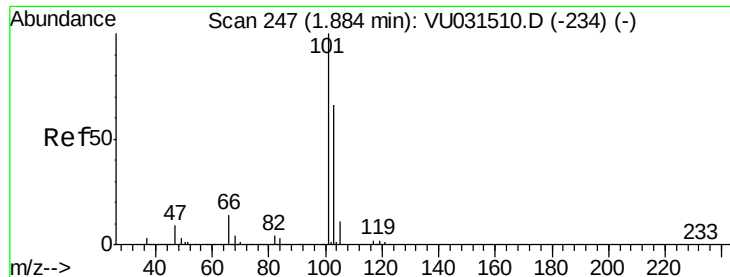
66 33.0 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU031510.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU031510.D (-177) (-)



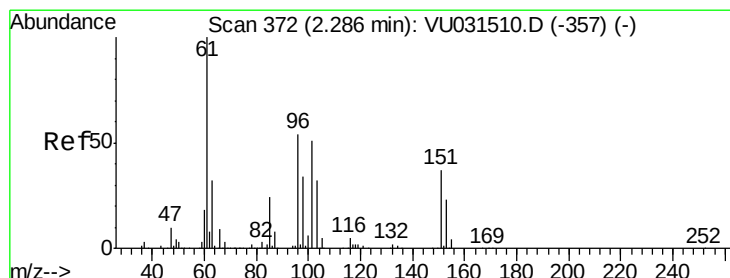
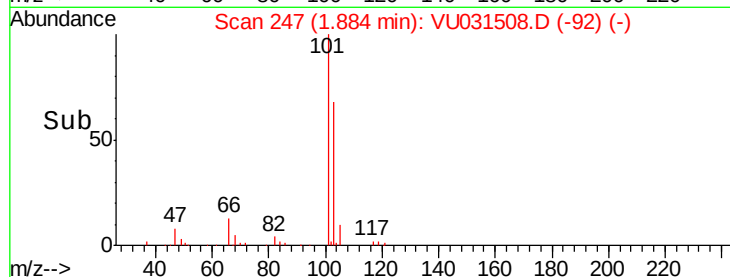
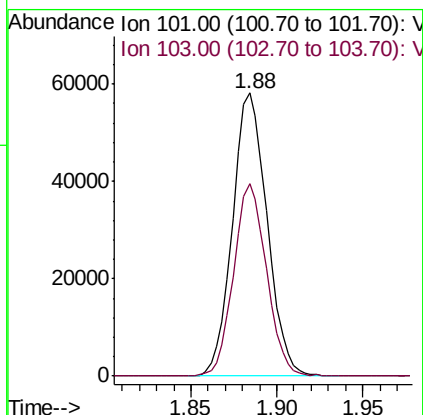
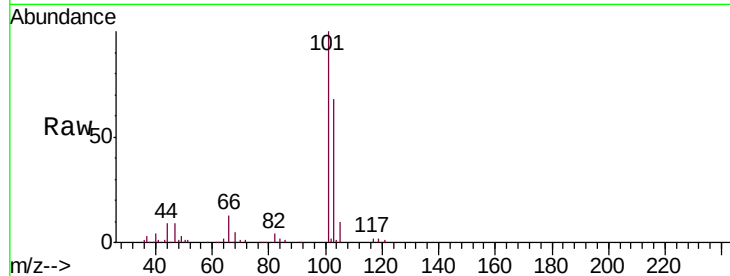


#7

Trichlorofluoromethane  
 Concen: 1.809 ug/l  
 RT: 1.88 min Scan# 247  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

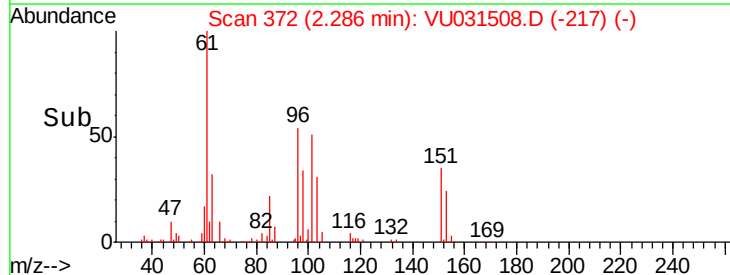
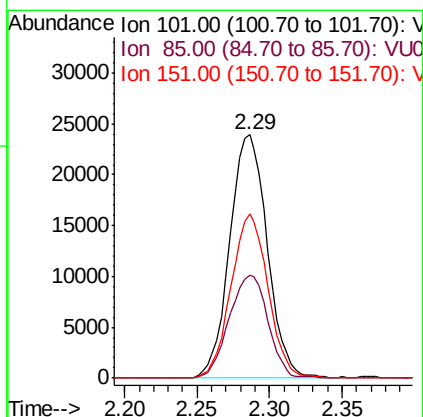
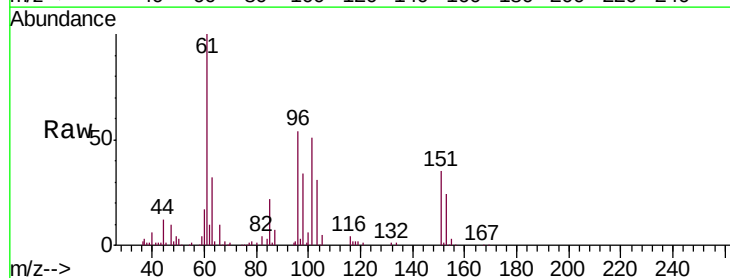
Tgt Ion:101 Resp: 81339  
 Ion Ratio Lower Upper  
 101 100  
 103 67.8 52.8 79.2



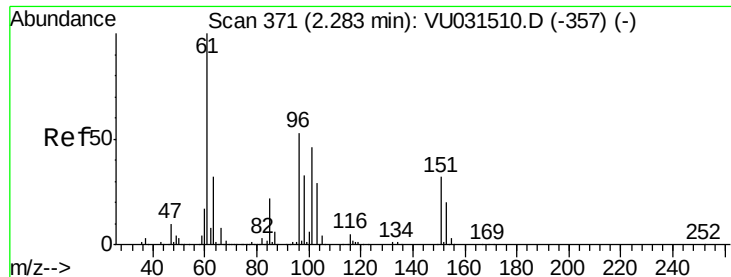
#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.928 ug/l  
 RT: 2.29 min Scan# 372  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion:101 Resp: 43016  
 Ion Ratio Lower Upper  
 101 100  
 85 43.7 37.8 56.6  
 151 66.4 57.4 86.0







#9

1,1-Dichloroethene

Concen: 1.830 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

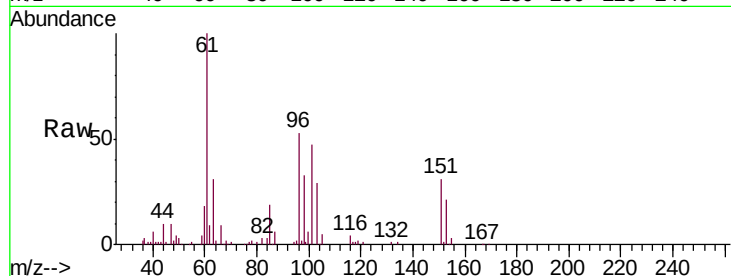
Tgt Ion: 96 Resp: 40798

Ion Ratio Lower Upper

96 100

61 188.8 0.0 566.7

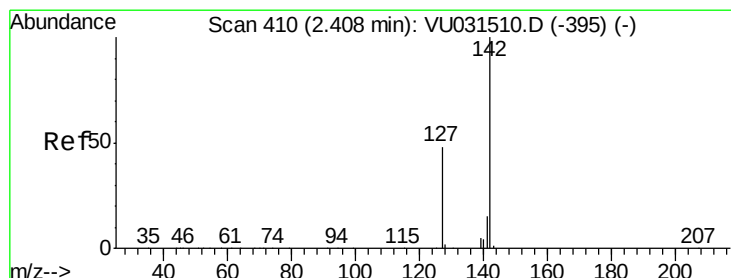
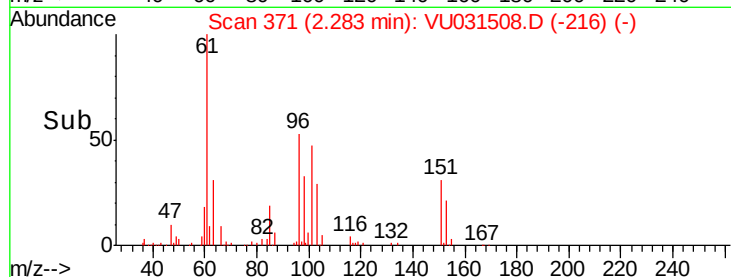
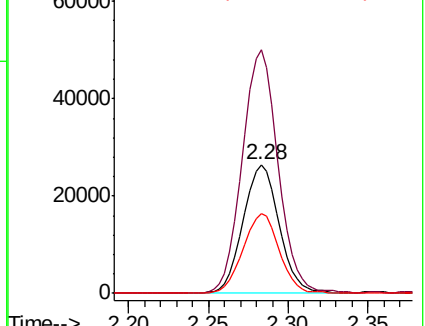
98 61.9 0.0 126.4



Abundance Ion 96.00 (95.70 to 96.70): VU031510.D (-357) (-)

Ion 61.00 (60.70 to 61.70): VU031510.D (-357) (-)

Ion 98.00 (97.70 to 98.70): VU031510.D (-357) (-)



#10

Iodomethane

Concen: 1.428 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU031508.D

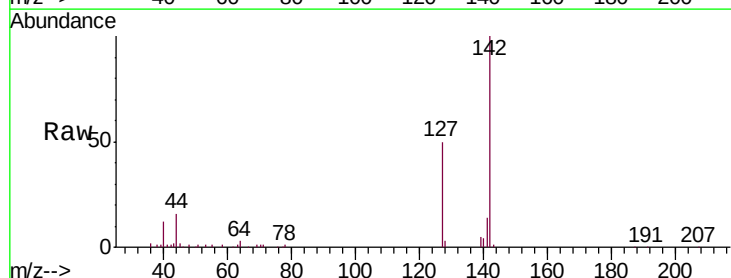
Acq: 25 Apr 2019 19:23

Tgt Ion: 142 Resp: 41934

Ion Ratio Lower Upper

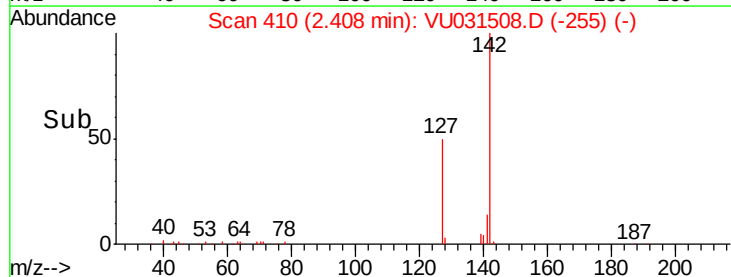
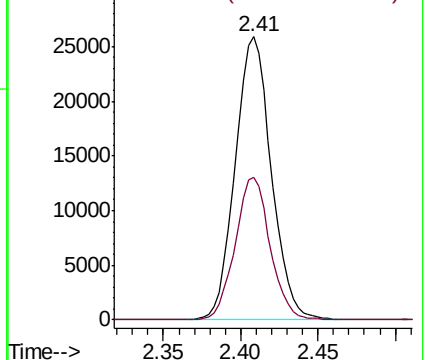
142 100

127 48.6 38.2 57.2

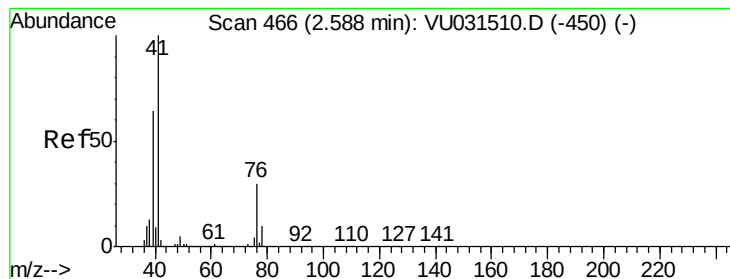


Abundance Ion 142.00 (141.70 to 142.70): VU031510.D (-395) (-)

Ion 127.00 (126.70 to 127.70): VU031510.D (-395) (-)







#11

Allyl Chloride

Concen: 1.980 ug/l

RT: 2.59 min Scan# 466

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

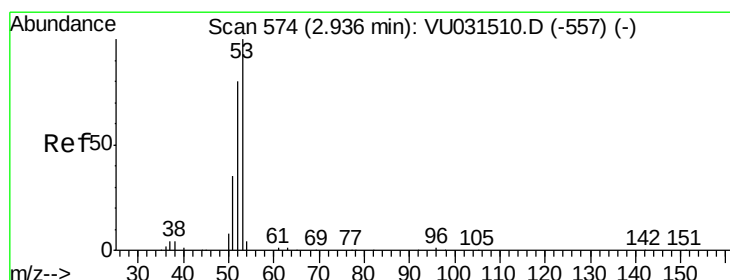
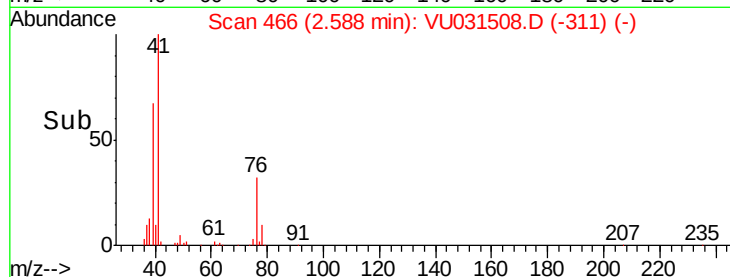
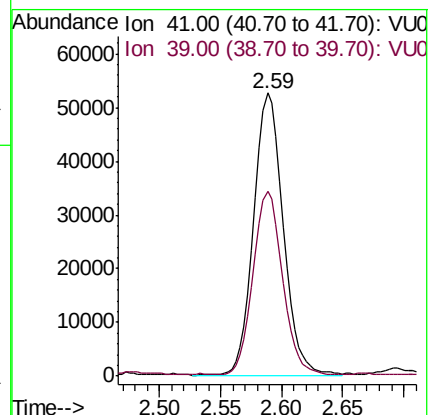
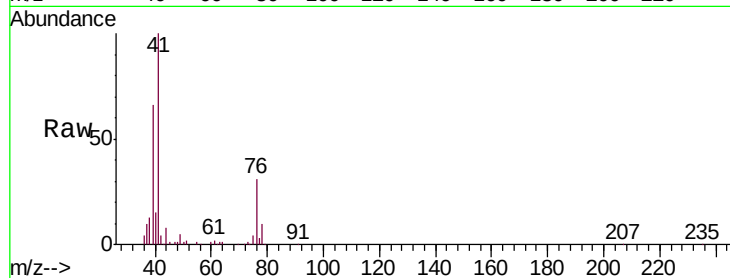
VSTDIC002

Tgt Ion: 41 Resp: 87671

Ion Ratio Lower Upper

41 100

39 64.4 51.4 77.0



#12

Acrylonitrile

Concen: 3.459 ug/l

RT: 2.94 min Scan# 575

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

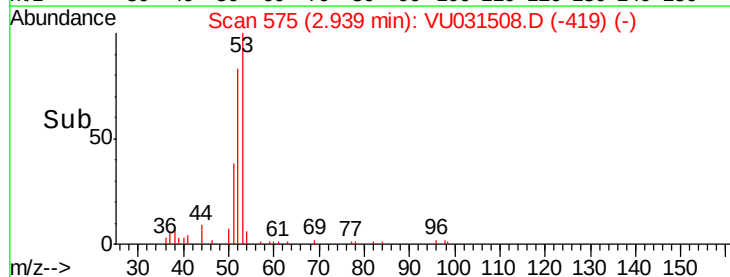
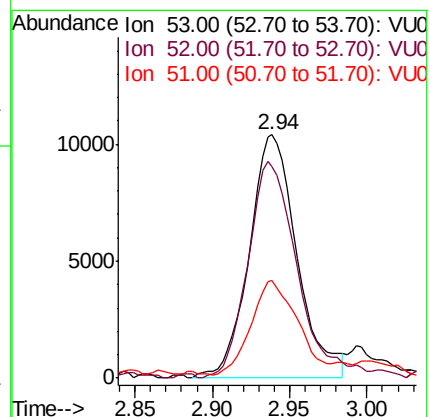
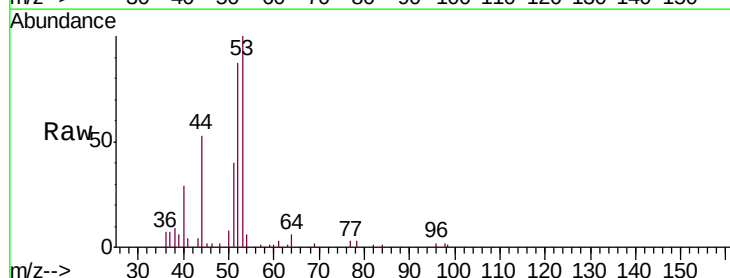
Tgt Ion: 53 Resp: 22370

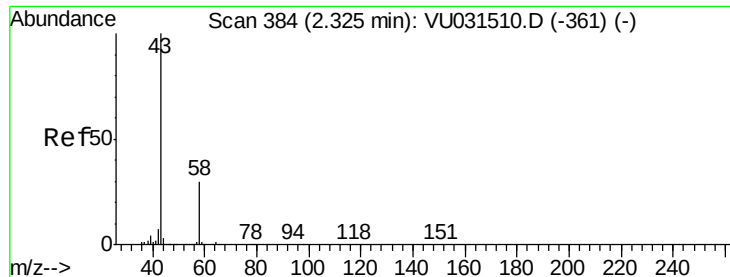
Ion Ratio Lower Upper

53 100

52 92.1 69.4 104.0

51 37.3 27.5 41.3





#13

Acetone

Concen: 9.136 ug/l

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

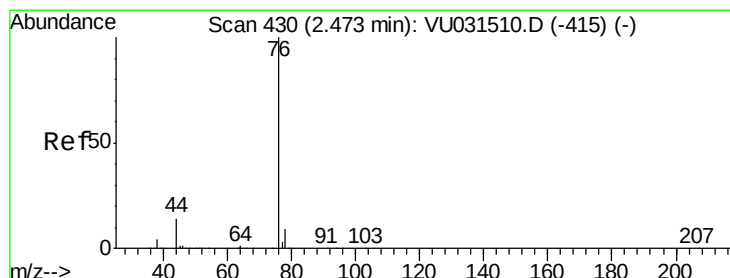
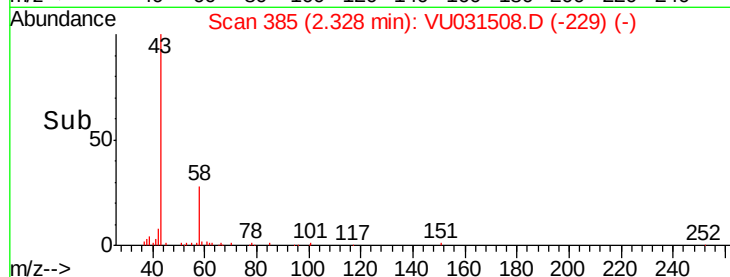
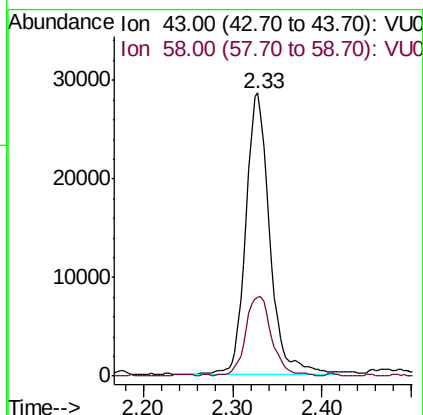
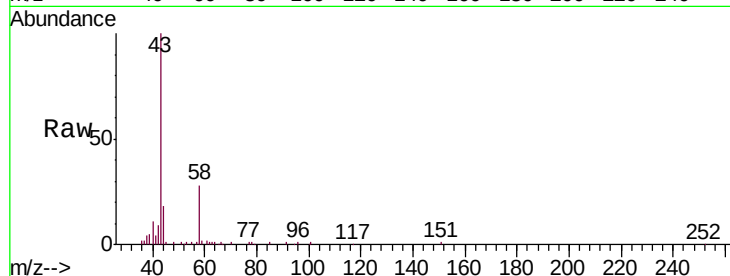
VSTDIC002

Tgt Ion: 43 Resp: 53940

Ion Ratio Lower Upper

43 100

58 27.5 24.1 36.1



#14

Carbon Disulfide

Concen: 1.867 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU031508.D

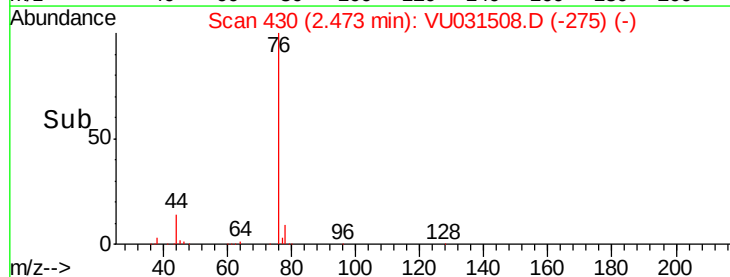
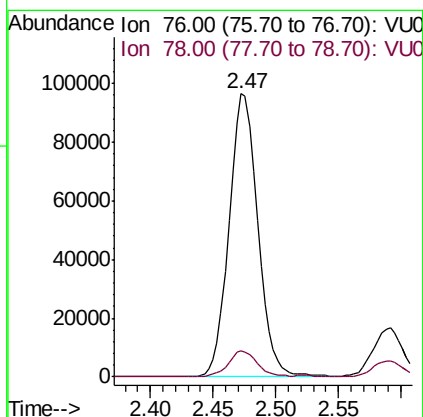
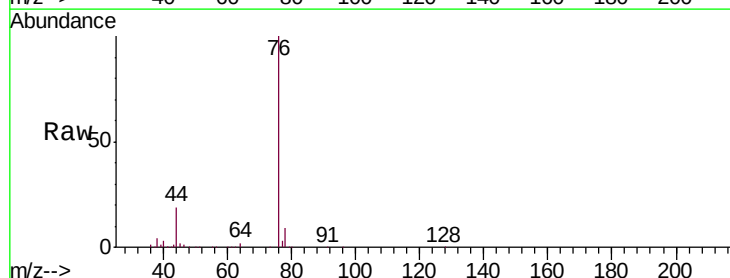
Acq: 25 Apr 2019 19:23

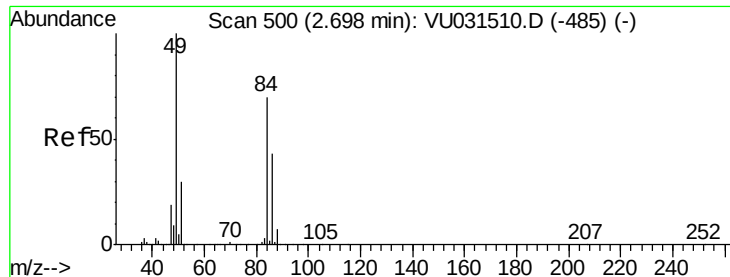
Tgt Ion: 76 Resp: 154260

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

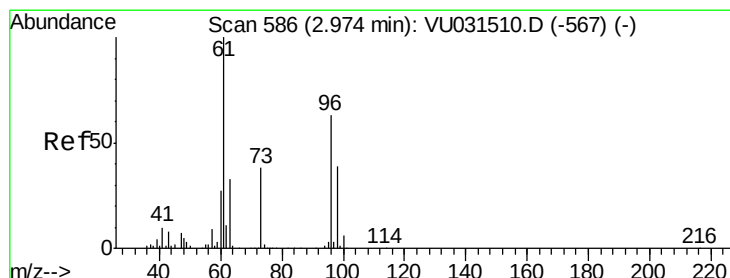
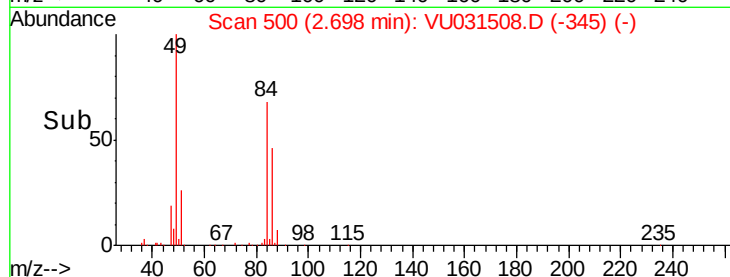
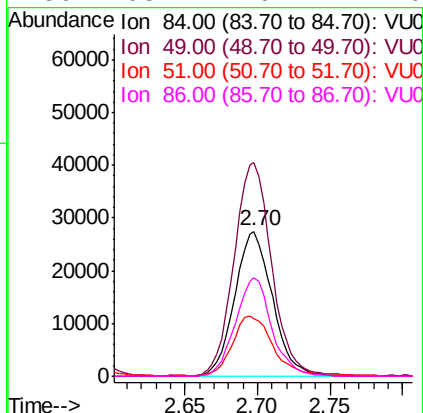
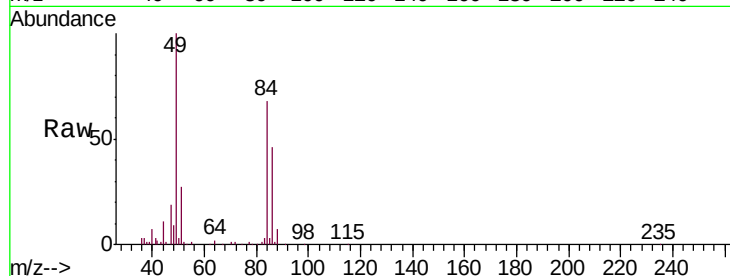




#15  
Methylene Chloride  
Concen: 1.727 ug/l  
RT: 2.70 min Scan# 500  
Delta R.T. -0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

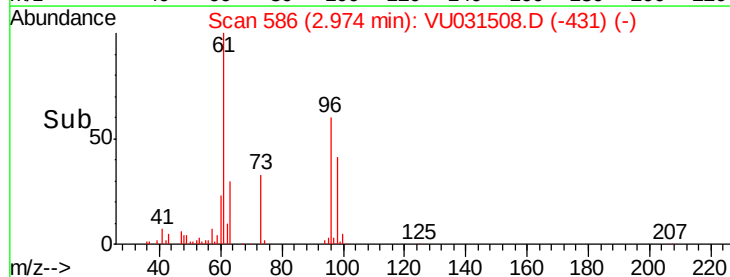
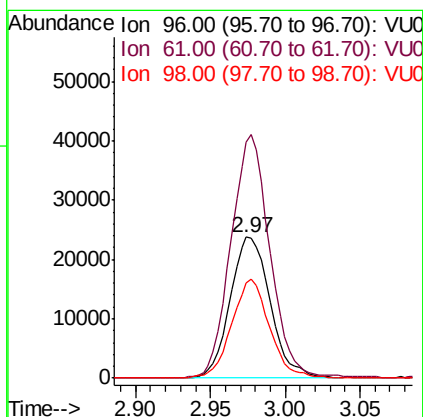
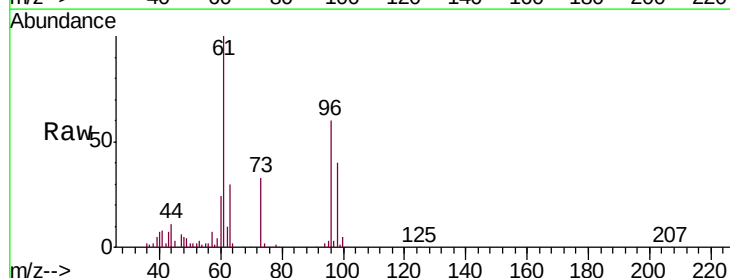
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

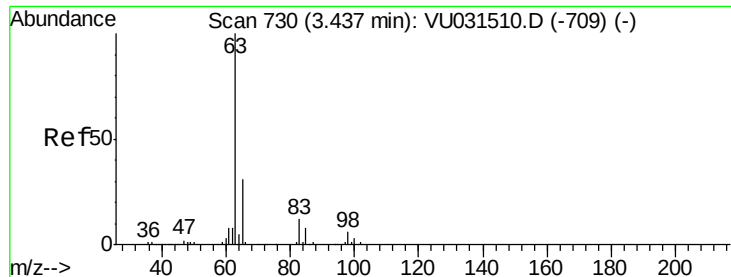
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 49509 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 147.0 | 113.6 | 170.4 |
| 51       | 39.4  | 0.0   | 85.6  |
| 86       | 68.1  | 49.4  | 74.0  |



#16  
trans-1,2-Dichloroethene  
Concen: 1.803 ug/l  
RT: 2.97 min Scan# 586  
Delta R.T. -0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 44432 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 167.0 | 127.2 | 190.8 |
| 98       | 67.7  | 49.4  | 74.0  |

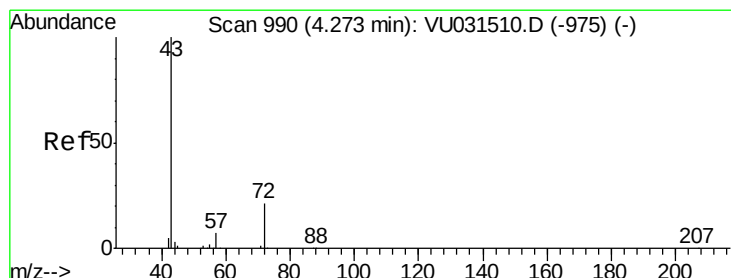
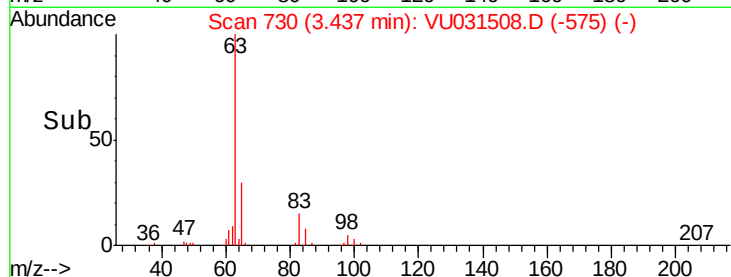
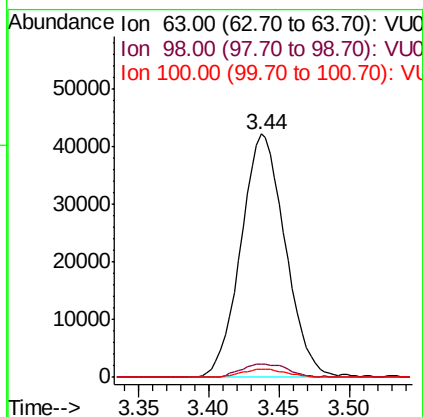
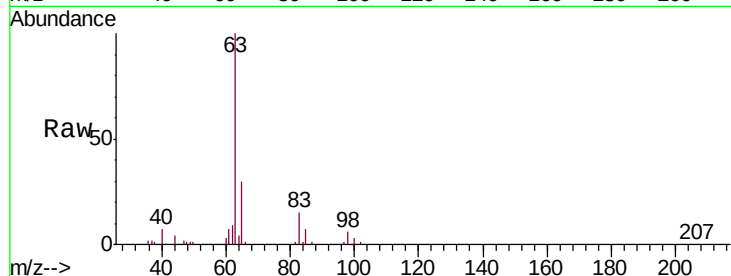




#17  
 1,1-Dichloroethane  
 Concen: 2.250 ug/l  
 RT: 3.44 min Scan# 730  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

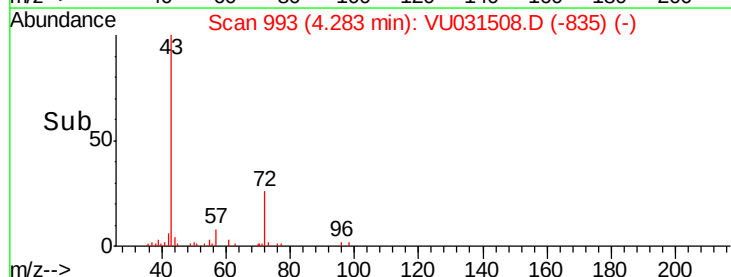
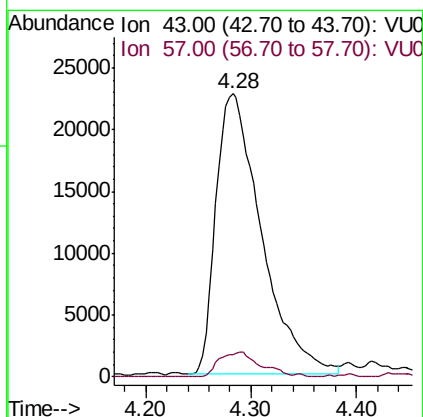
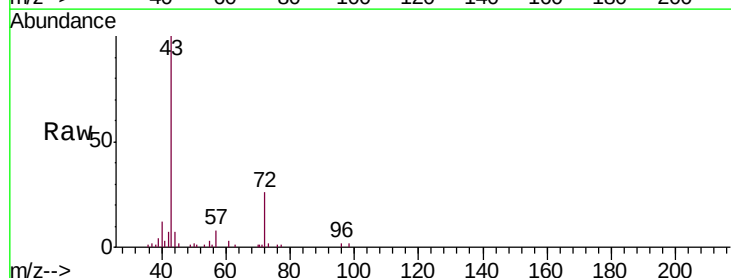
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

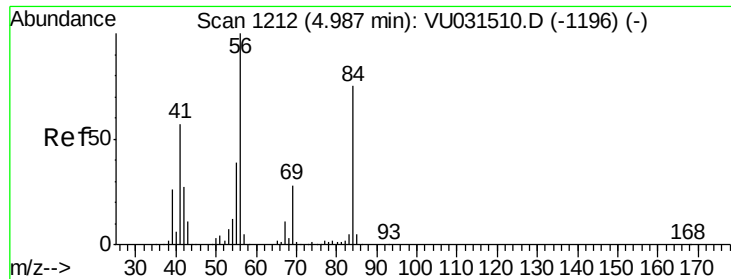
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 92549 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 5.5   | 3.0   | 9.2   |
| 100      | 3.4   | 1.7   | 5.1   |



#18  
 2-Butanone  
 Concen: 10.576 ug/l  
 RT: 4.28 min Scan# 993  
 Delta R.T. 0.01 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 67513 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 57       | 8.1   | 0.0   | 14.2  |

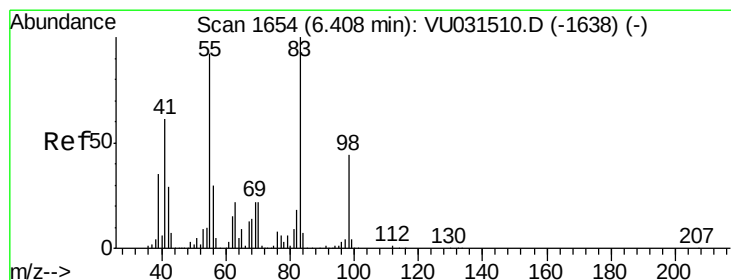
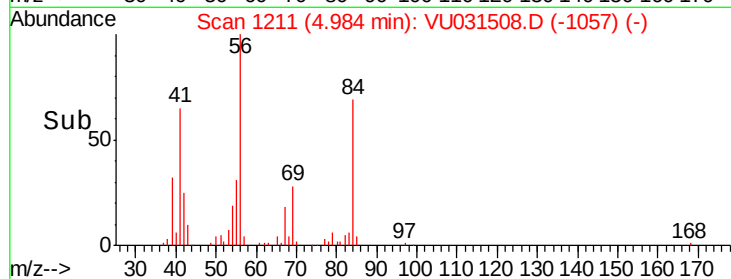
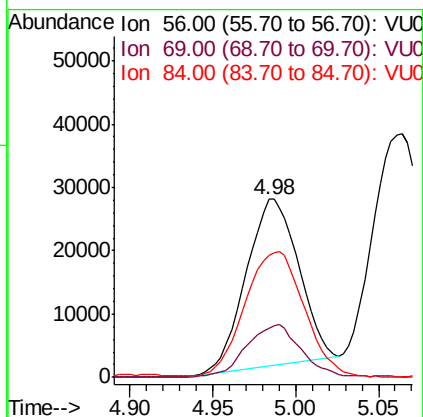
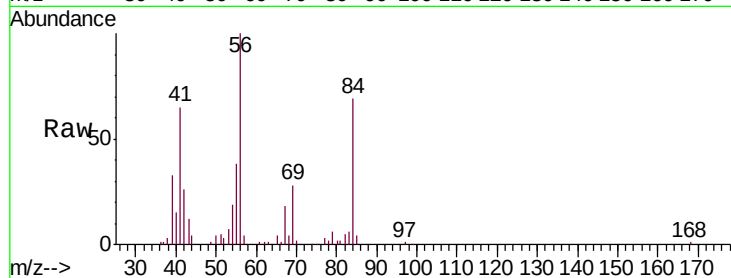




#19  
Cyclohexane  
Concen: 1.954 ug/l  
RT: 4.98 min Scan# 1211  
Delta R.T. -0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

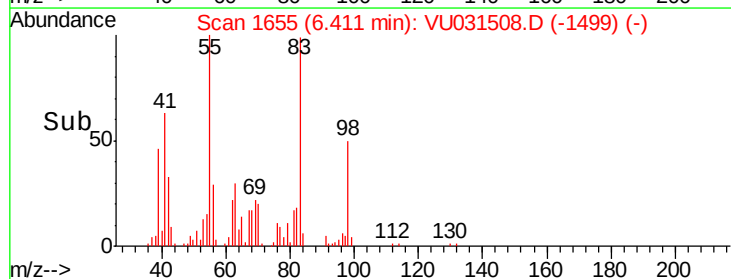
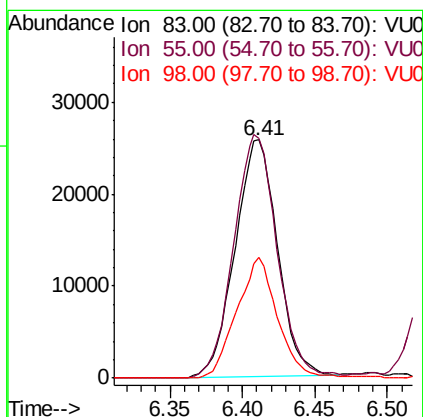
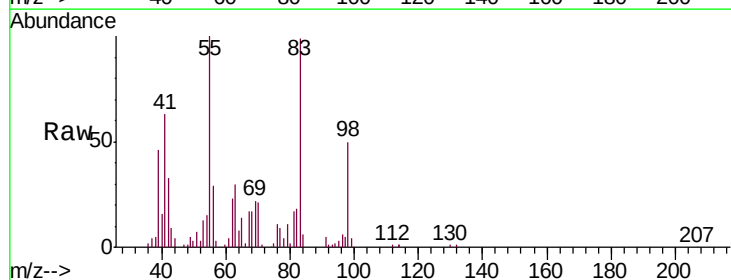
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

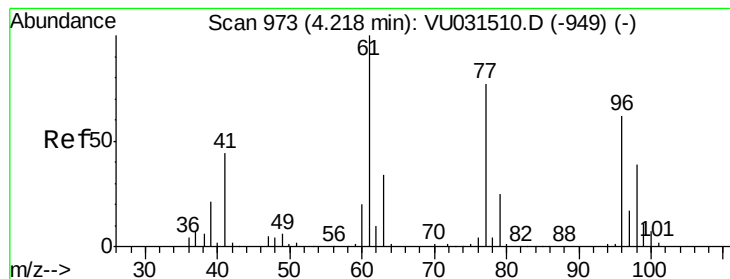
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 31.5  | 22.4  | 33.6  |
| 84      | 83.4  | 59.0  | 88.4  |



#20  
Methylcyclohexane  
Concen: 1.826 ug/l  
RT: 6.41 min Scan# 1655  
Delta R.T. 0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 103.3 | 73.7  | 110.5 |
| 98      | 48.0  | 35.2  | 52.8  |





#21

2,2-Dichloropropane

Concen: 2.136 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

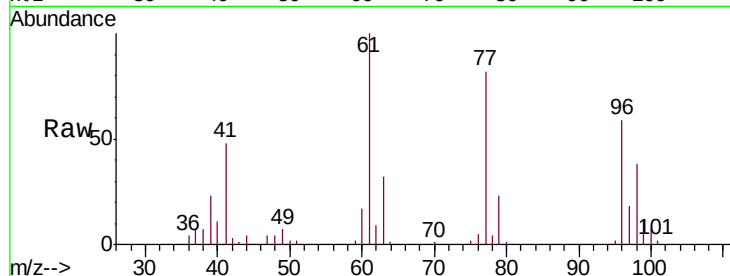
VSTDIC002

Tgt Ion: 77 Resp: 67083

Ion Ratio Lower Upper

77 100

97 23.0 17.5 26.3



Abundance Ion 77.00 (76.70 to 77.70): VU031510.D (-949) (-)

Ion 97.00 (96.70 to 97.70): VU031510.D (-949) (-)

4.22

25000

20000

15000

10000

5000

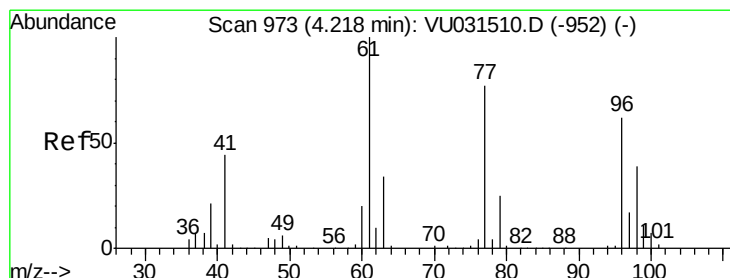
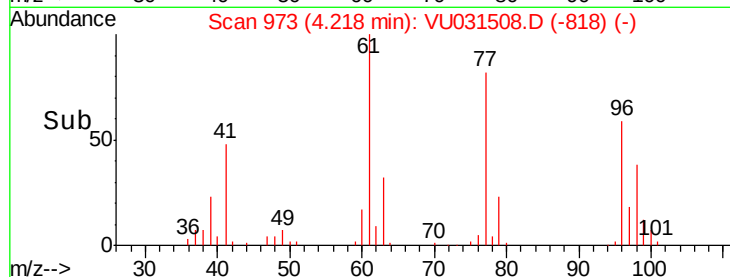
0

Time-->

4.10

4.20

4.30



#22

cis-1,2-Dichloroethene

Concen: 2.095 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

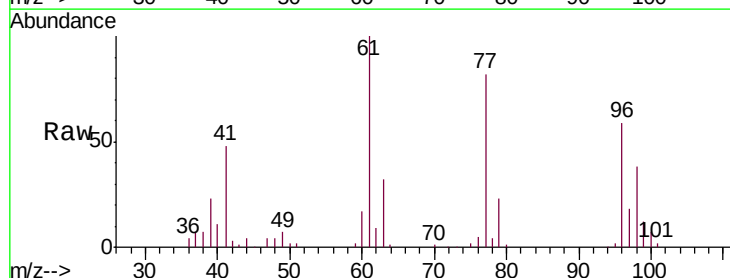
Tgt Ion: 96 Resp: 46689

Ion Ratio Lower Upper

96 100

61 165.2 0.0 408.8

98 61.7 31.1 93.3



Abundance Ion 96.00 (95.70 to 96.70): VU031510.D (-952) (-)

Ion 61.00 (60.70 to 61.70): VU031510.D (-952) (-)

Ion 98.00 (97.70 to 98.70): VU031510.D (-952) (-)

4.22

40000

30000

20000

10000

0

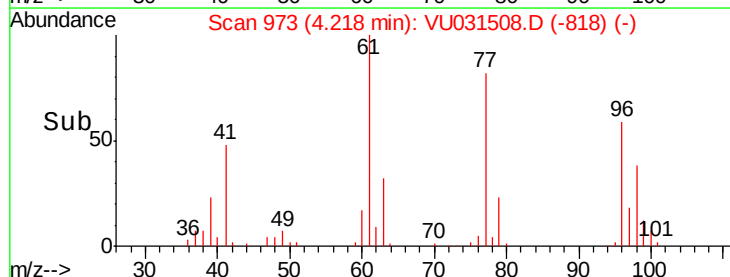
Time-->

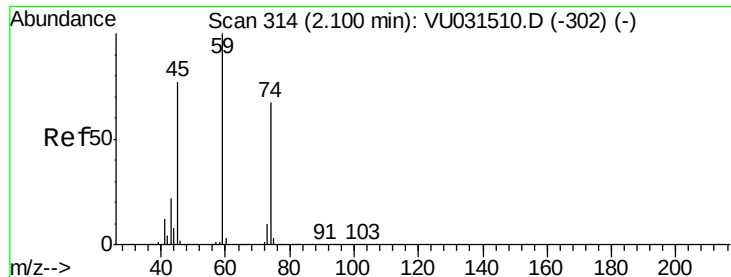
4.15

4.20

4.25

4.30

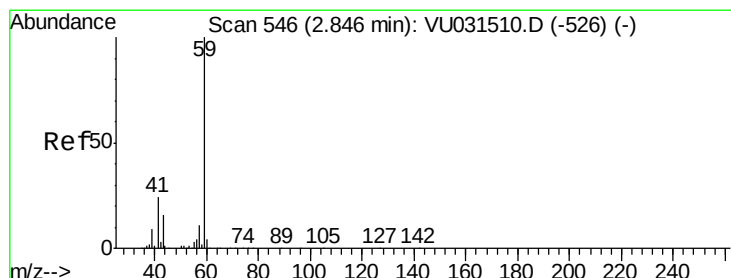
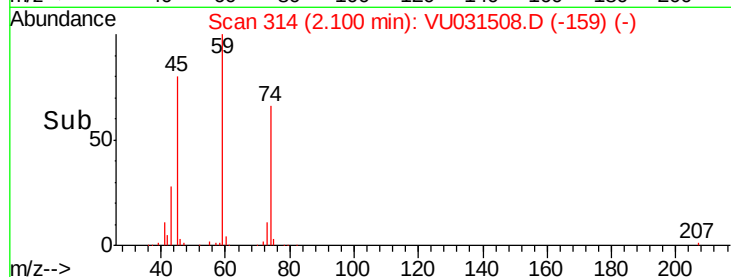
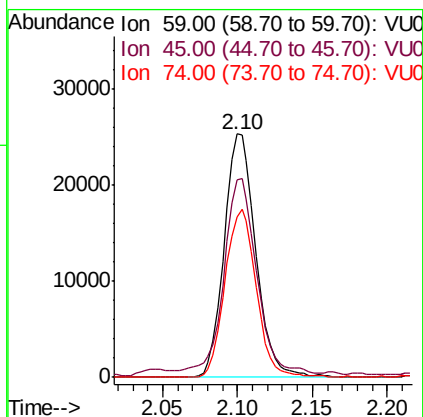
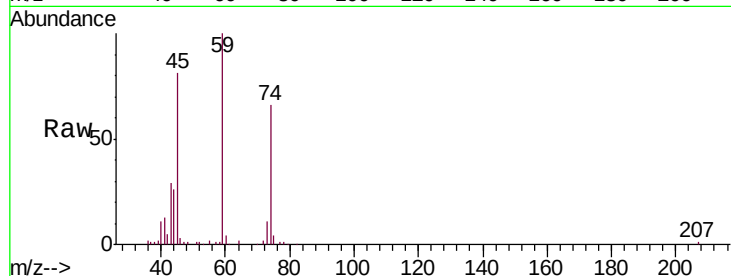




#23  
Diethyl Ether  
Concen: 1.791 ug/l  
RT: 2.10 min Scan# 314  
Delta R.T. -0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

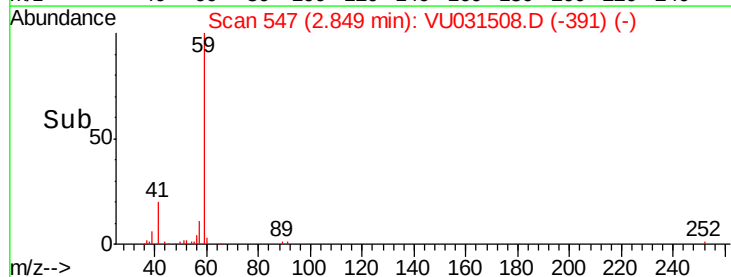
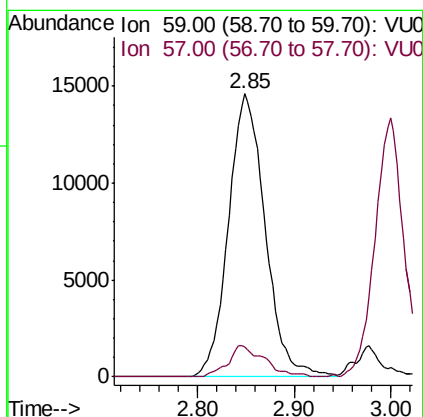
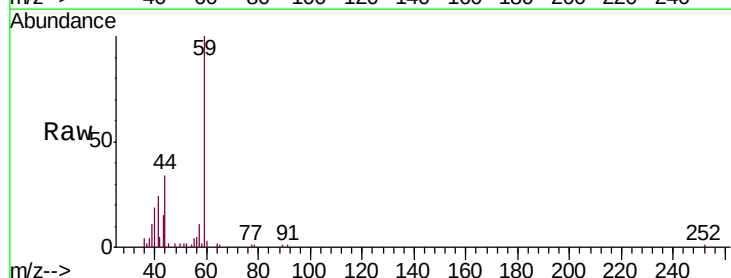
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

Tgt Ion: 59 Resp: 37292  
Ion Ratio Lower Upper  
59 100  
45 83.4 64.5 96.7  
74 68.4 54.6 81.8

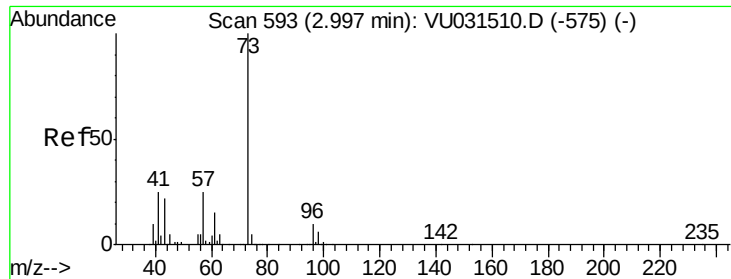


#24  
tert-Butyl Alcohol  
Concen: 17.535 ug/l  
RT: 2.85 min Scan# 547  
Delta R.T. 0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

Tgt Ion: 59 Resp: 38546  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.2 12.2







#25

Methyl tert-Butyl Ether

Concen: 1.750 ug/l

RT: 3.00 min Scan# 594

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

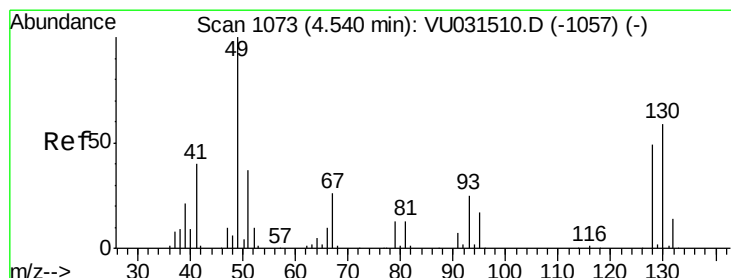
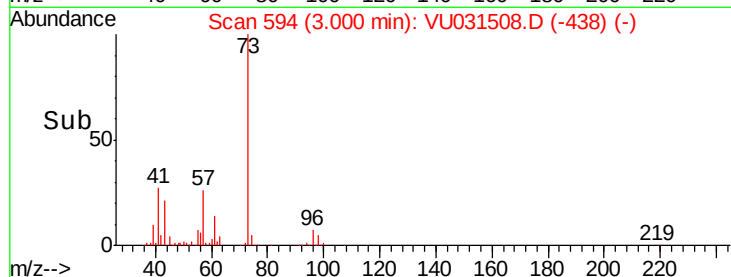
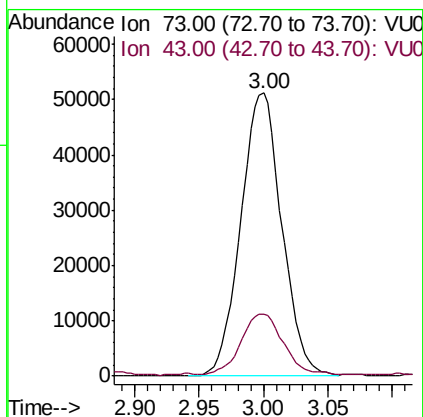
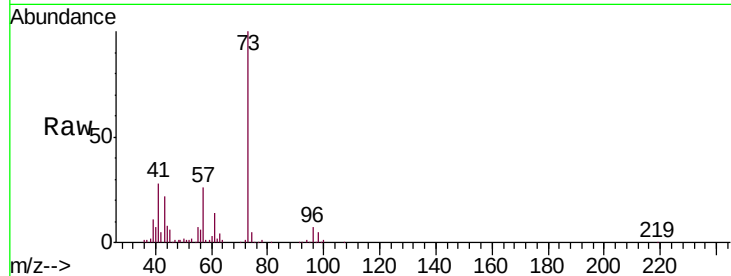
VSTDIC002

Tgt Ion: 73 Resp: 113602

Ion Ratio Lower Upper

73 100

43 21.7 16.9 25.3



#26

Bromochloromethane

Concen: 1.972 ug/l

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

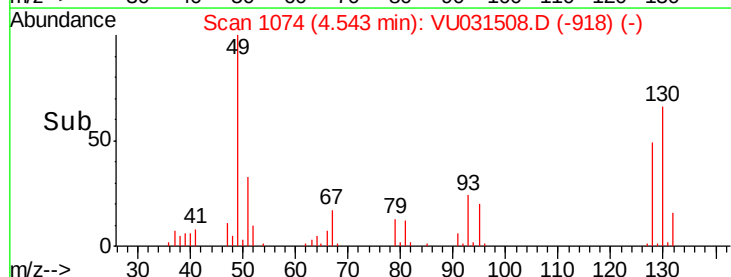
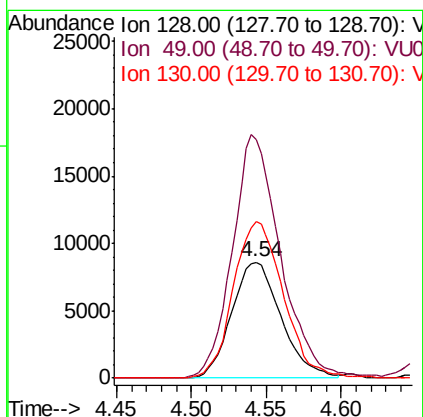
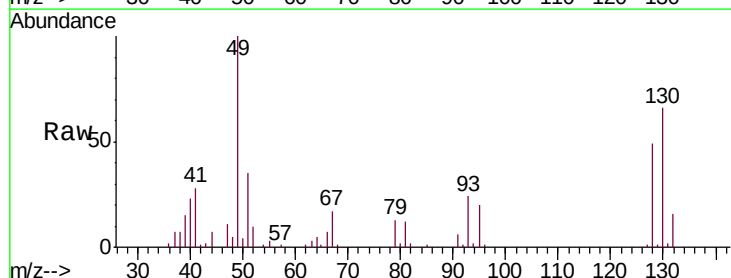
Tgt Ion: 128 Resp: 19799

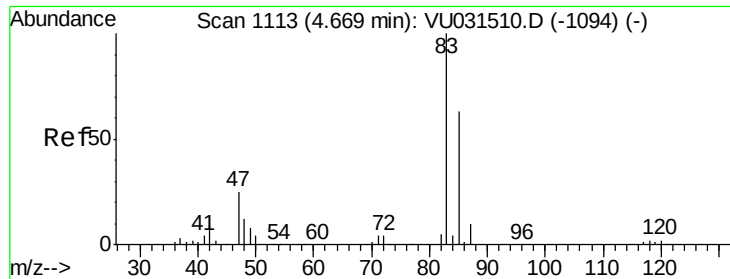
Ion Ratio Lower Upper

128 100

49 205.0 0.0 407.2

130 136.8 101.4 152.2





#27

Chloroform

Concen: 2.104 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

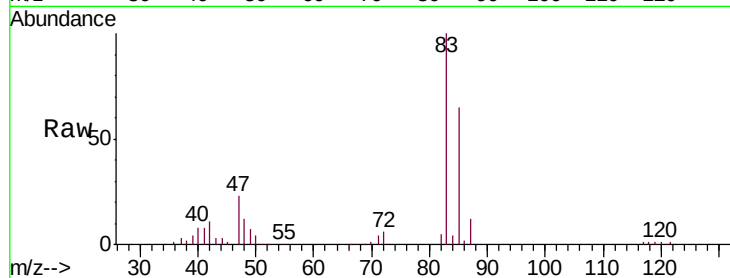
VSTDIC002

Tgt Ion: 83 Resp: 84573

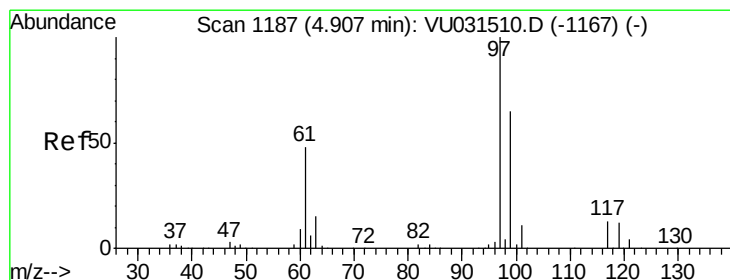
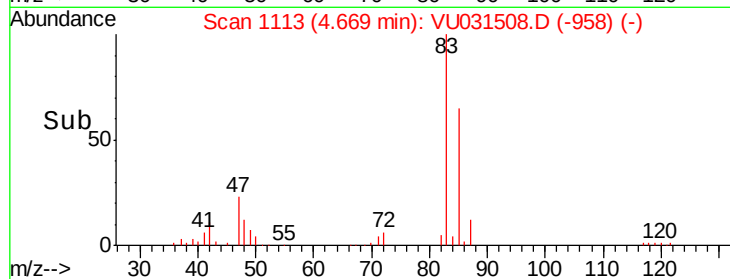
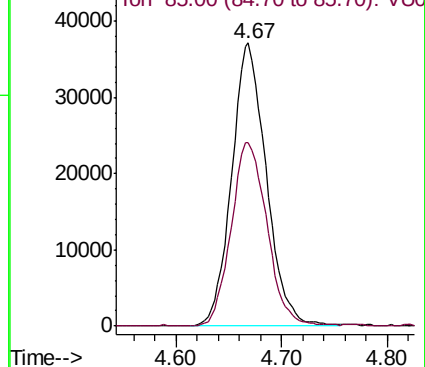
Ion Ratio Lower Upper

83 100

85 64.7 0.0 126.2



Abundance Ion 83.00 (82.70 to 83.70): VU031510.D (-1094) (-)



#28

1,1,1-Trichloroethane

Concen: 2.092 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

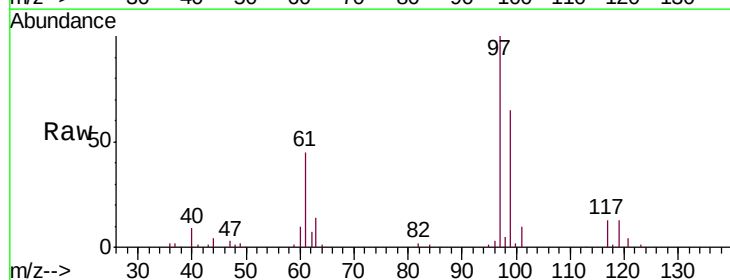
Tgt Ion: 97 Resp: 71172

Ion Ratio Lower Upper

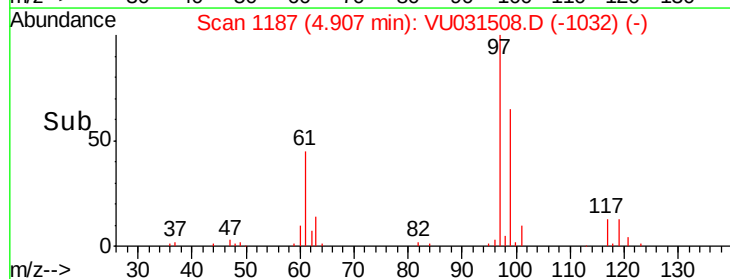
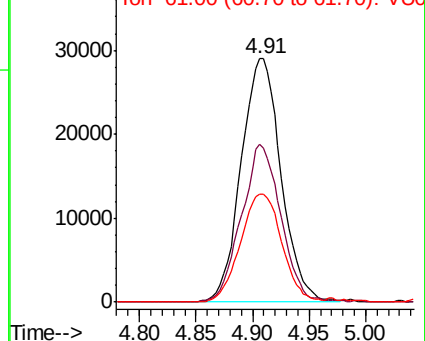
97 100

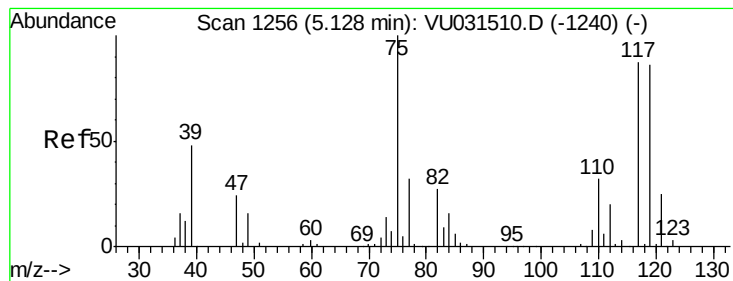
99 63.8 32.0 96.2

61 46.2 24.0 72.0



Abundance Ion 97.00 (96.70 to 97.70): VU031510.D (-1167) (-)





#29

1,1-Dichloropropene

Concen: 1.969 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

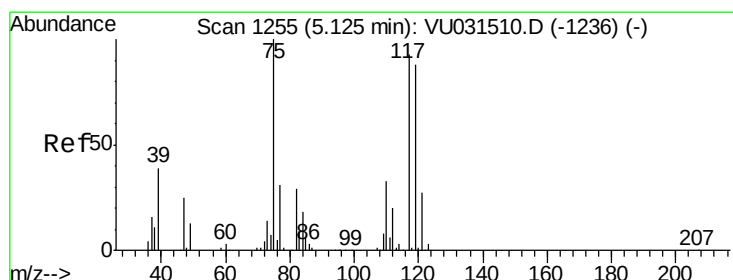
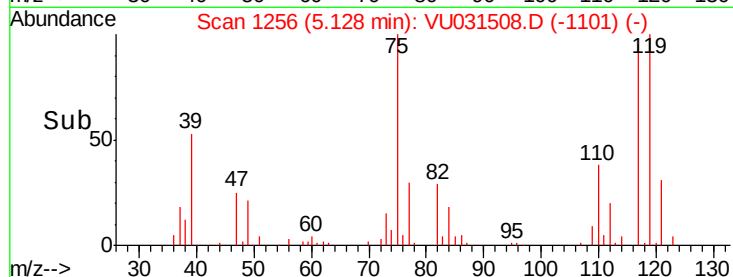
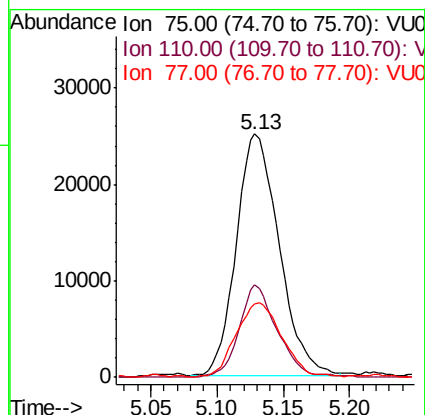
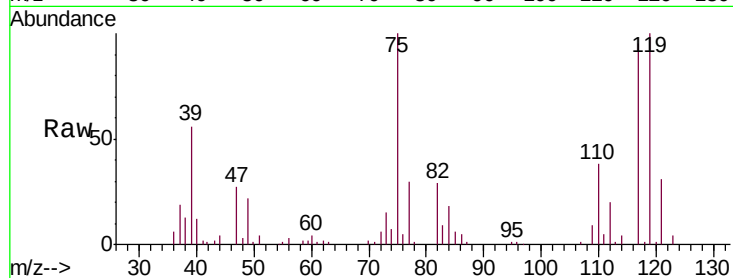
Tgt Ion: 75 Resp: 56423

Ion Ratio Lower Upper

75 100

110 34.1 16.4 49.1

77 33.1 25.0 37.6



#30

Carbon Tetrachloride

Concen: 1.989 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

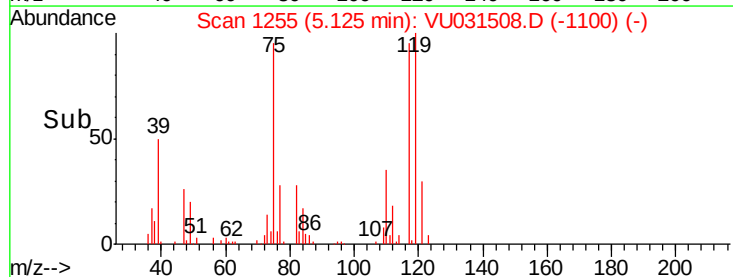
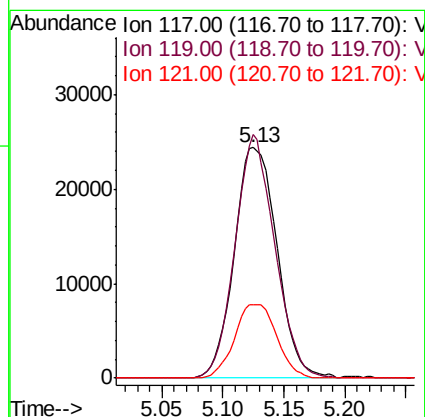
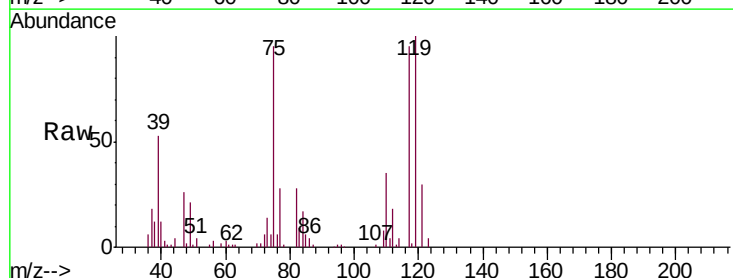
Tgt Ion: 117 Resp: 59326

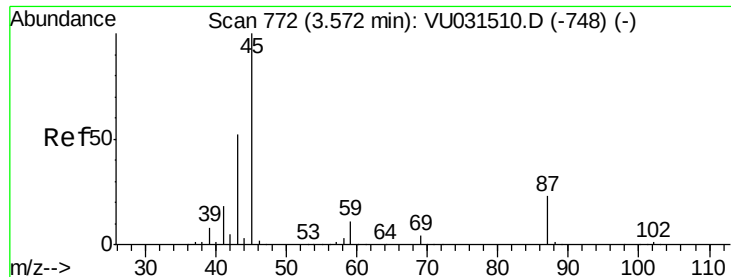
Ion Ratio Lower Upper

117 100

119 105.5 76.1 114.1

121 31.6 23.3 34.9





#31

Isopropyl Ether

Concen: 2.214 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

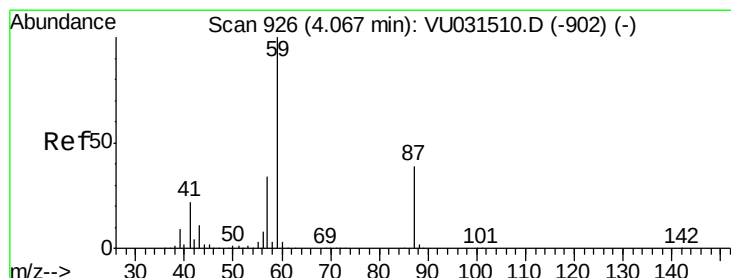
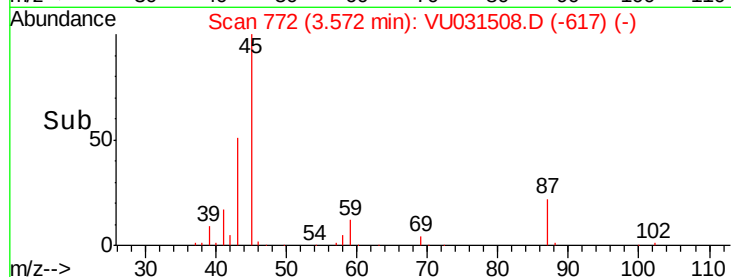
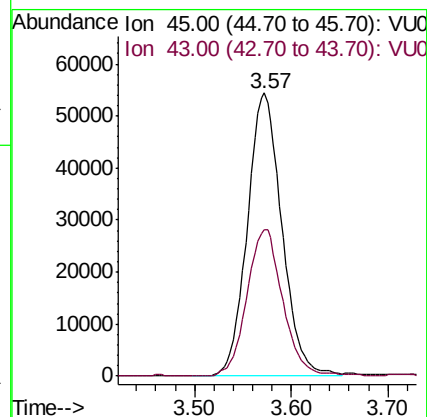
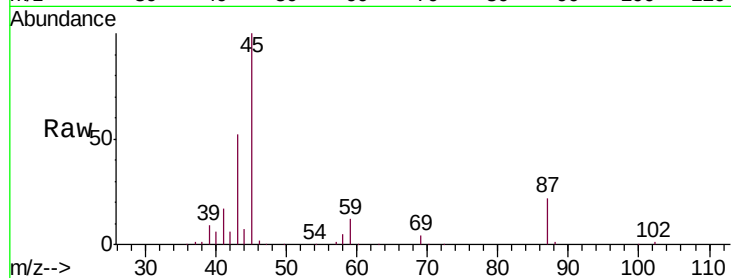
VSTDIC002

Tgt Ion: 45 Resp: 134907

Ion Ratio Lower Upper

45 100

43 53.8 26.0 78.0



#32

Ethyl-t-butyl ether

Concen: 2.043 ug/l

RT: 4.07 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU031508.D

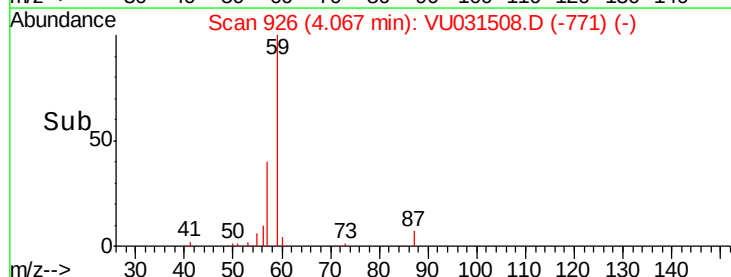
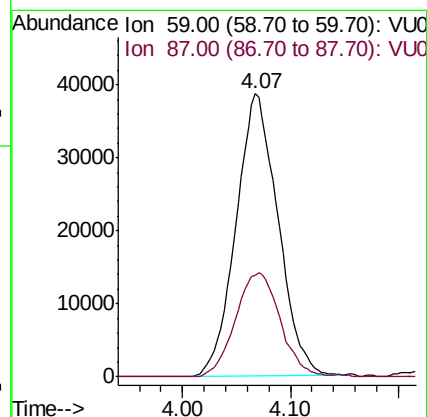
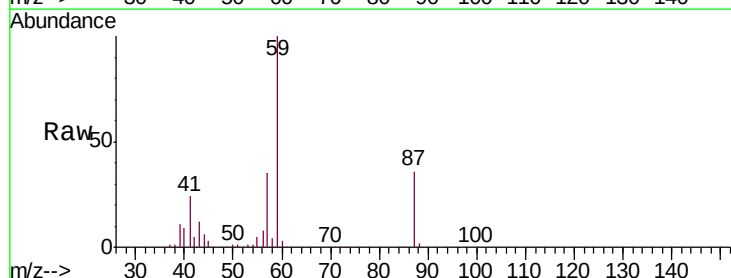
Acq: 25 Apr 2019 19:23

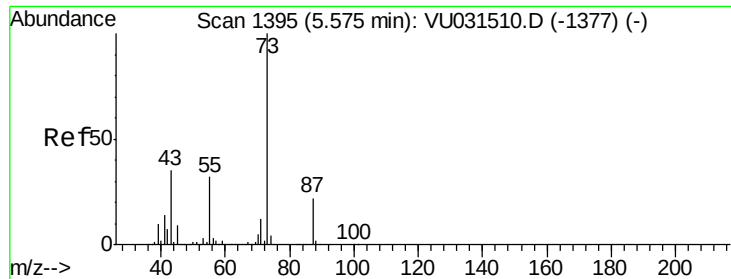
Tgt Ion: 59 Resp: 104609

Ion Ratio Lower Upper

59 100

87 38.7 29.9 44.9

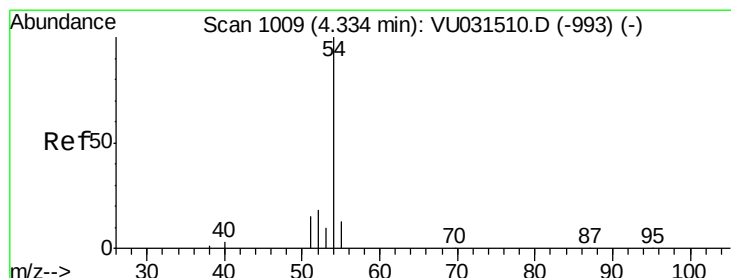
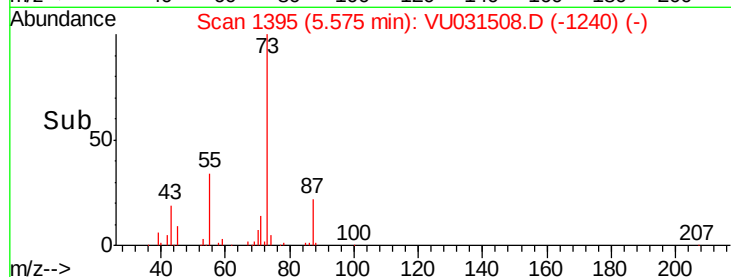
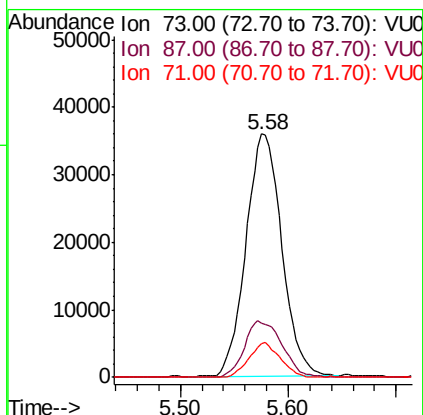
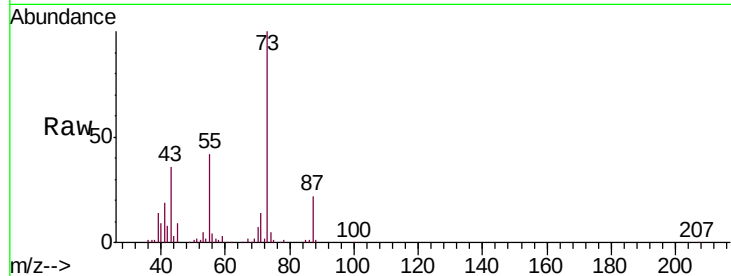




#33  
Tert-Amyl methyl ether  
Concen: 1.895 ug/l  
RT: 5.58 min Scan# 1395  
Delta R.T. -0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

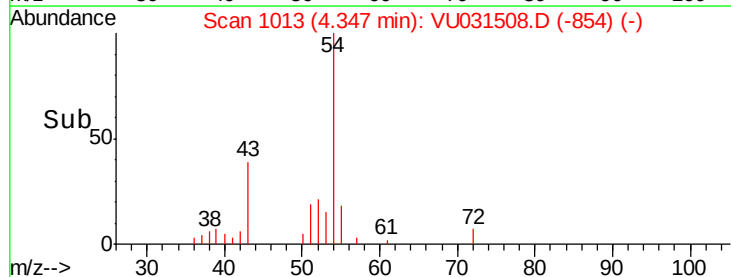
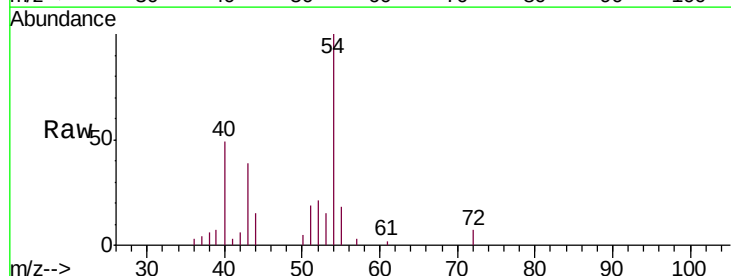
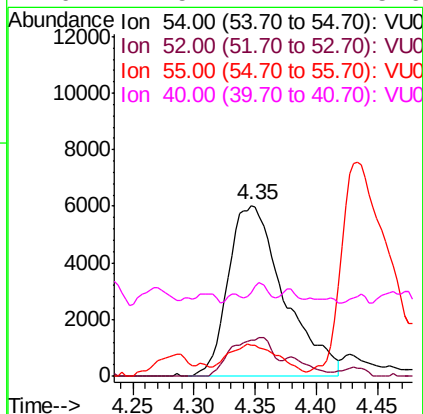
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

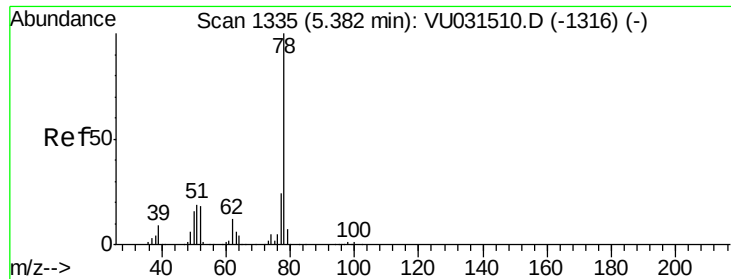
Tgt Ion: 73 Resp: 82491  
Ion Ratio Lower Upper  
73 100  
87 24.4 18.2 27.2  
71 12.5 9.0 13.6



#34  
Propionitrile  
Concen: 10.898 ug/l  
RT: 4.35 min Scan# 1013  
Delta R.T. 0.01 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

Tgt Ion: 54 Resp: 19148  
Ion Ratio Lower Upper  
54 100  
52 16.5 15.0 22.4  
55 13.9 13.5 20.3  
40 2.5 2.4 3.6





#35

Benzene

Concen: 2.147 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

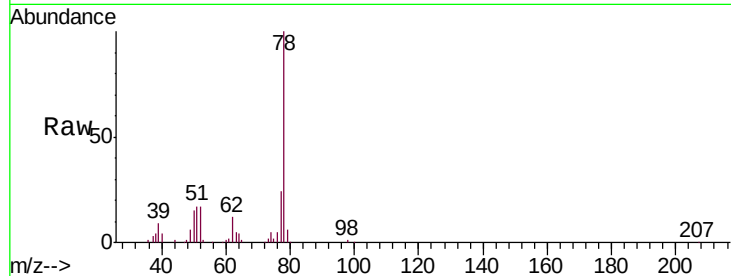
VSTDIC002

Tgt Ion: 78 Resp: 181335

Ion Ratio Lower Upper

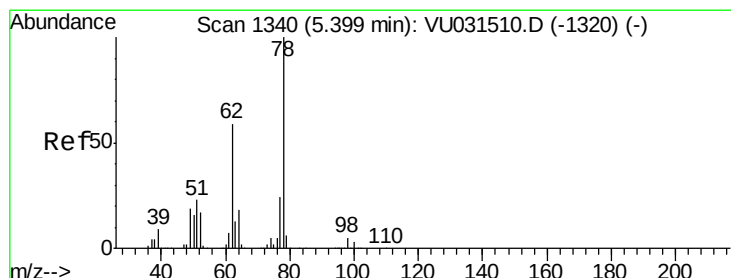
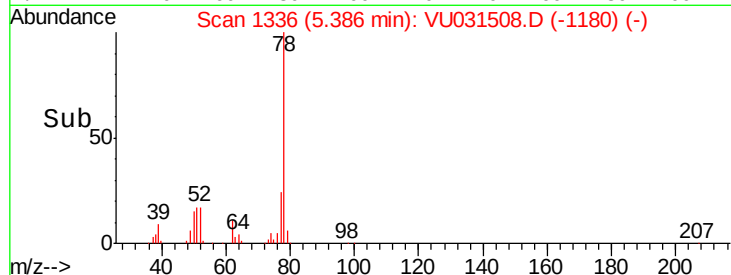
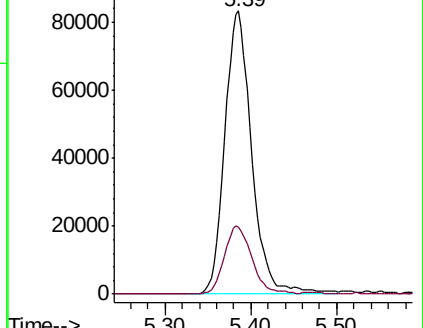
78 100

77 23.8 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU031510.D (-1316) (-)

Ion 77.00 (76.70 to 77.70): VU031510.D (-1316) (-)



#36

1,2-Dichloroethane

Concen: 2.094 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031508.D

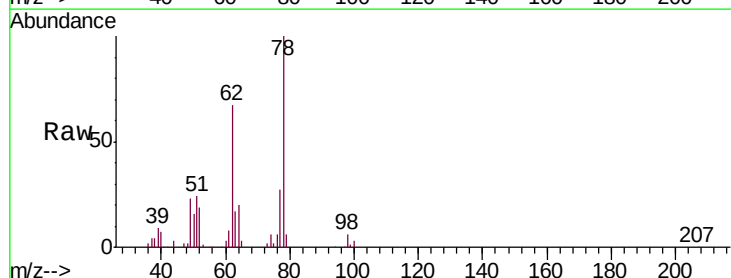
Acq: 25 Apr 2019 19:23

Tgt Ion: 62 Resp: 56361

Ion Ratio Lower Upper

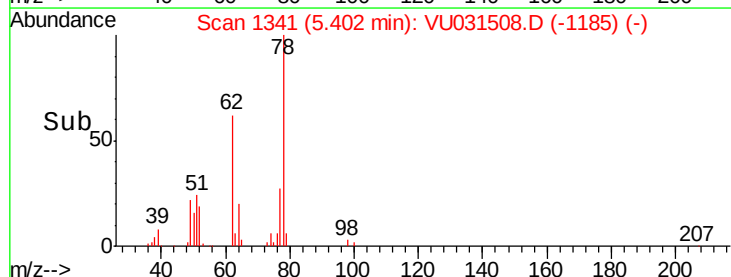
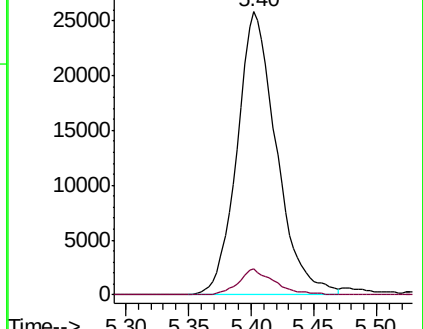
62 100

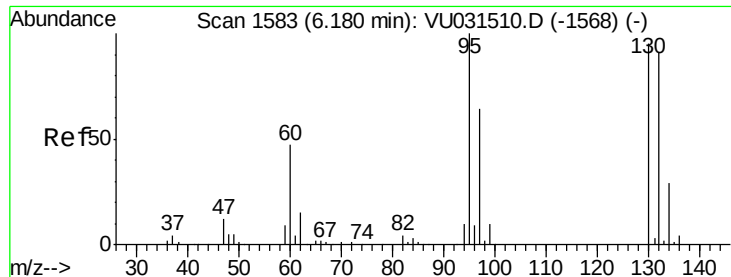
98 8.2 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU031510.D (-1320) (-)

Ion 98.00 (97.70 to 98.70): VU031510.D (-1320) (-)

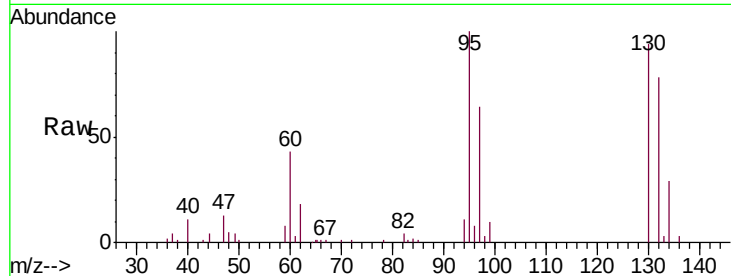




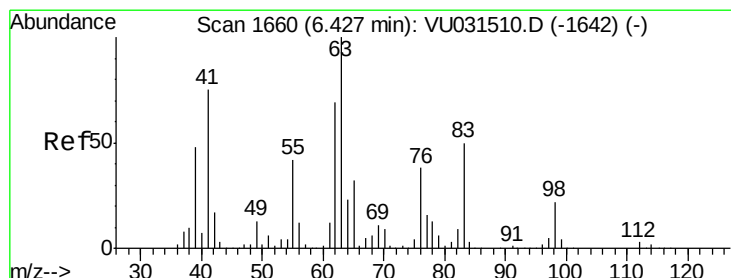
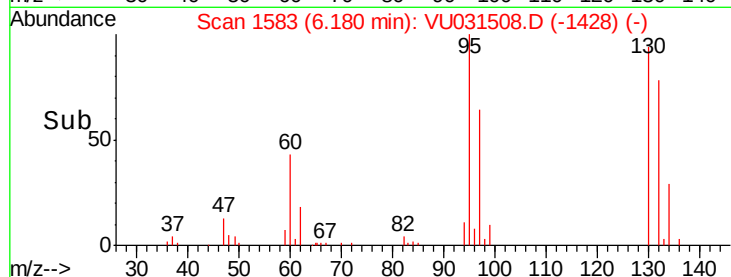
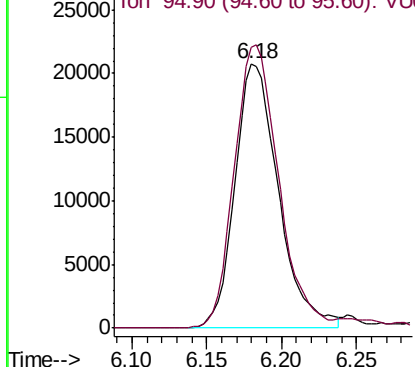
#37  
 Trichloroethene  
 Concen: 1.809 ug/l  
 RT: 6.18 min Scan# 1583  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

Tgt Ion:130 Resp: 42190  
 Ion Ratio Lower Upper  
 130 100  
 95 106.3 83.8 125.8

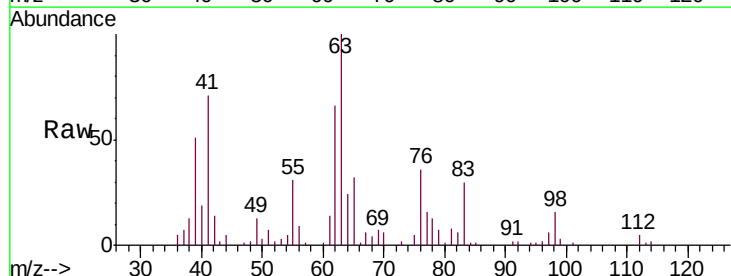


Abundance Ion 129.90 (129.60 to 130.60): VU031510.D (-1568) (-)  
 Ion 94.90 (94.60 to 95.60): VU031510.D (-1568) (-)

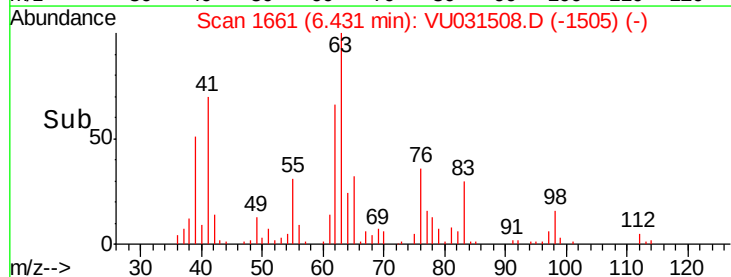
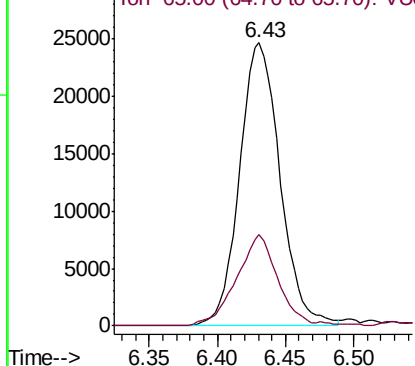


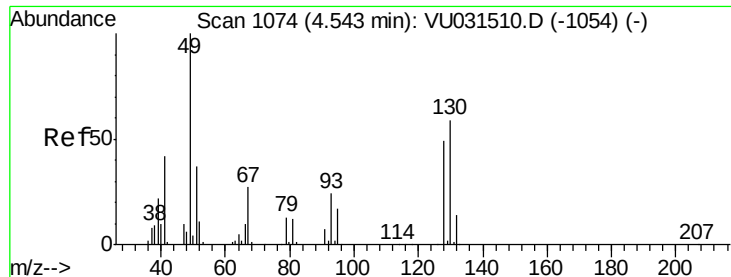
#38  
 1,2-Dichloropropane  
 Concen: 2.250 ug/l  
 RT: 6.43 min Scan# 1661  
 Delta R.T. 0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion: 63 Resp: 50917  
 Ion Ratio Lower Upper  
 63 100  
 65 32.3 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU031510.D (-1642) (-)  
 Ion 65.00 (64.70 to 65.70): VU031510.D (-1642) (-)

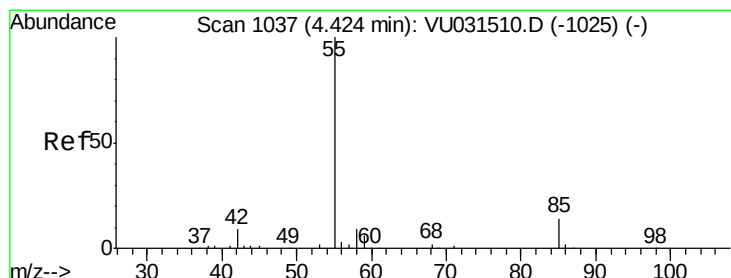
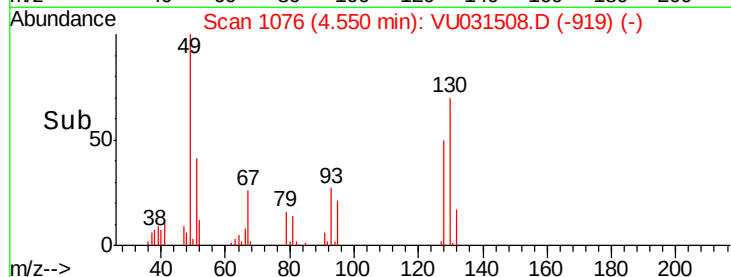
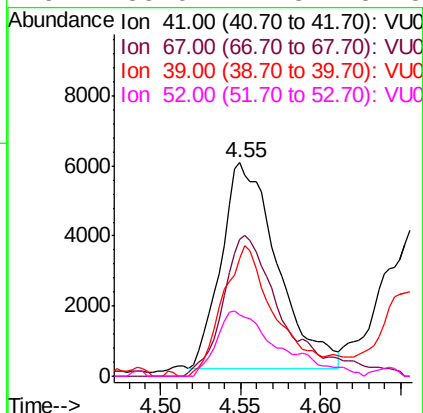
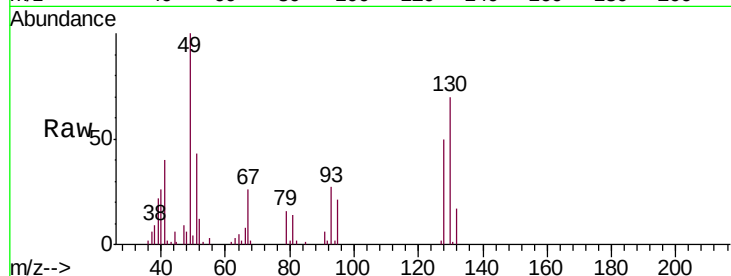




#39  
Methacrylonitrile  
Concen: 1.794 ug/l  
RT: 4.55 min Scan# 1076  
Delta R.T. 0.01 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

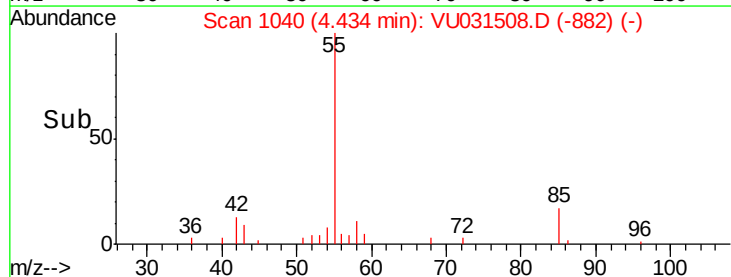
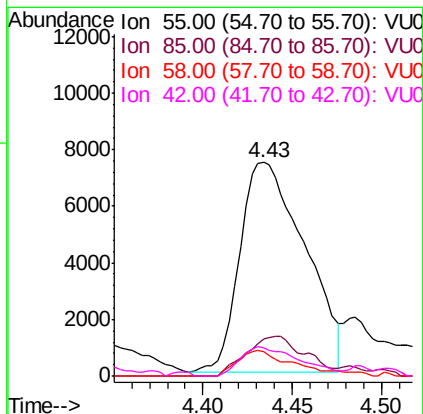
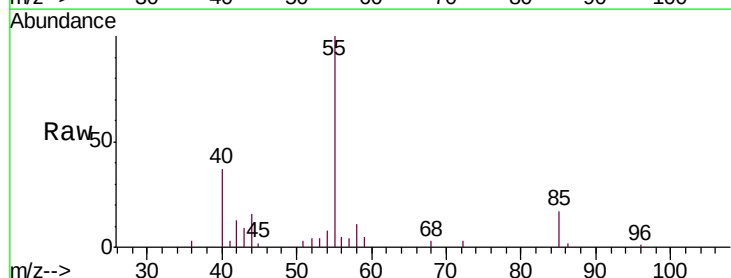
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 14160 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 67       | 72.8  | 54.2  | 81.4  |
| 39       | 59.0  | 43.8  | 65.8  |
| 52       | 35.0  | 21.8  | 32.8# |

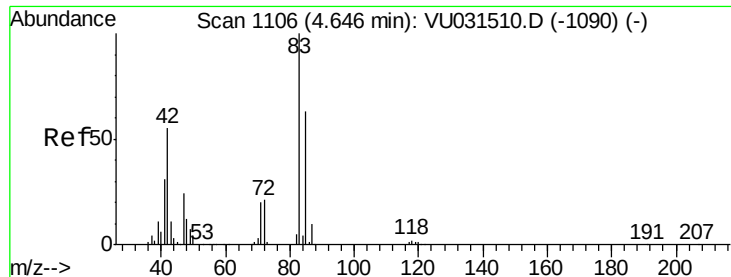


#40  
Methyl acrylate  
Concen: 1.855 ug/l  
RT: 4.43 min Scan# 1040  
Delta R.T. 0.01 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 55    | Resp: | 18896 |
| Ion      | Ratio | Lower | Upper |
| 55       | 100   |       |       |
| 85       | 16.9  | 11.5  | 17.3  |
| 58       | 10.3  | 6.5   | 9.7#  |
| 42       | 12.7  | 7.4   | 11.2# |







#41

Tetrahydrofuran

Concen: 4.089 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

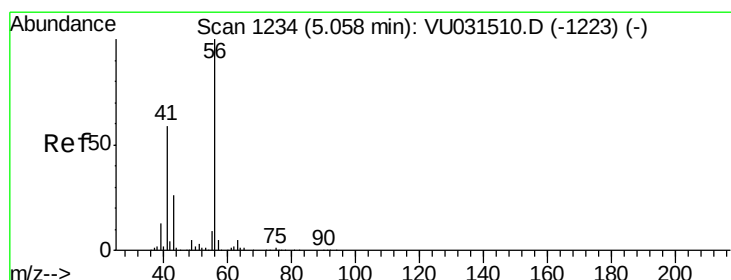
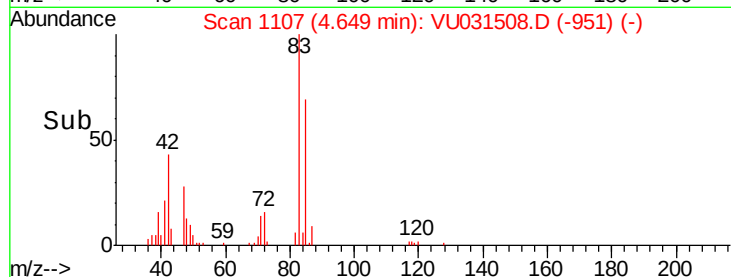
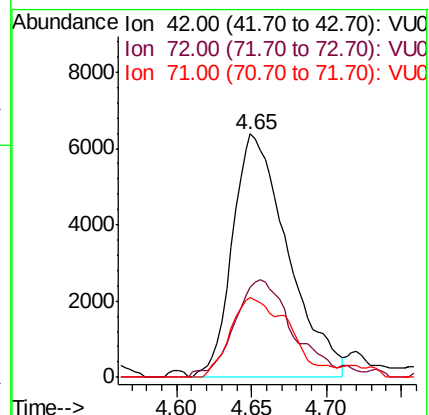
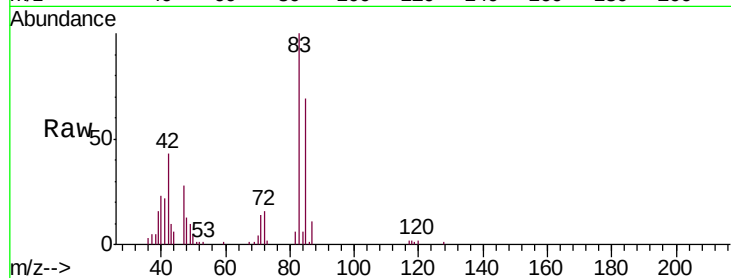
Tgt Ion: 42 Resp: 16460

Ion Ratio Lower Upper

42 100

72 42.0 32.1 48.1

71 35.2 29.2 43.8



#42

1-Chlorobutane

Concen: 2.067 ug/l

RT: 5.06 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VU031508.D

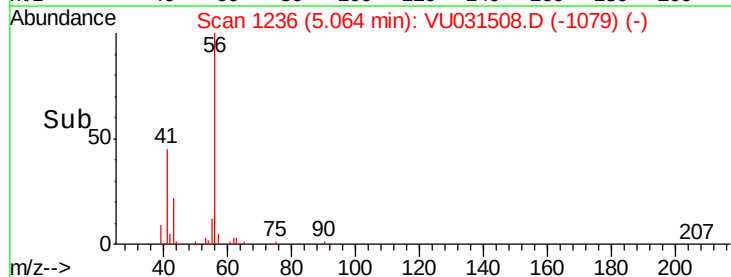
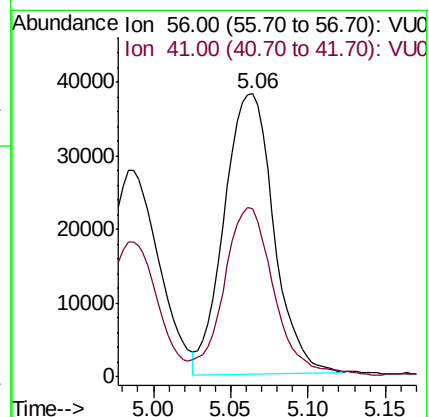
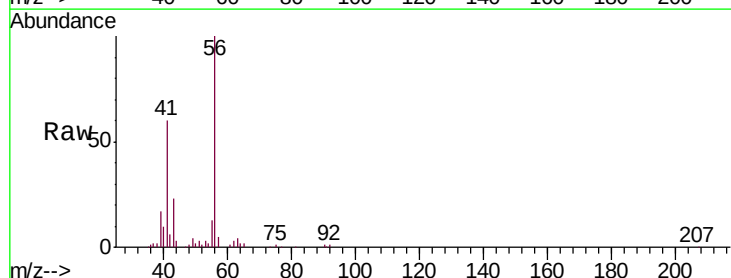
Acq: 25 Apr 2019 19:23

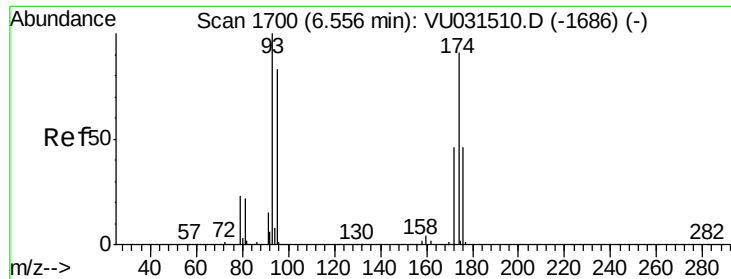
Tgt Ion: 56 Resp: 84709

Ion Ratio Lower Upper

56 100

41 60.3 29.3 88.0





#43

Dibromomethane

Concen: 2.023 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

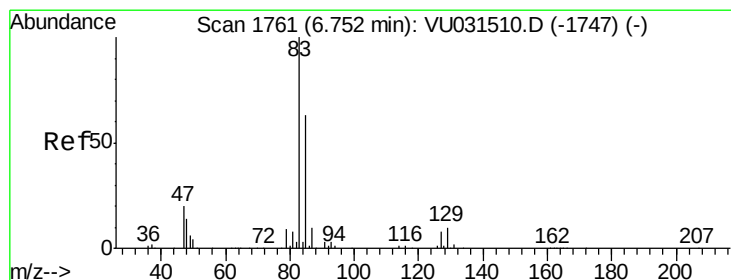
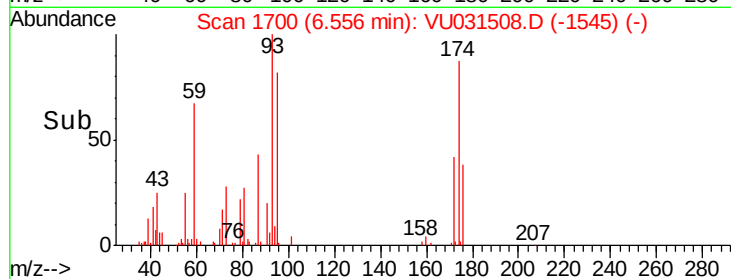
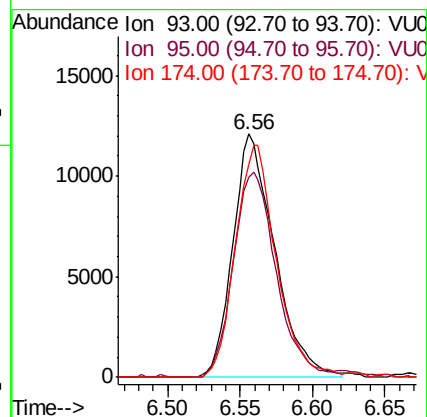
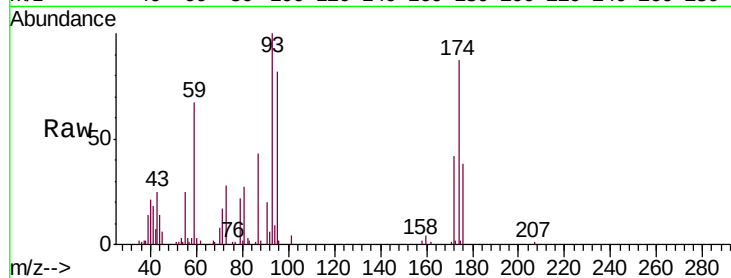
Tgt Ion: 93 Resp: 24238

Ion Ratio Lower Upper

93 100

95 85.9 65.7 98.5

174 93.6 71.8 107.8



#44

Bromodichloromethane

Concen: 2.123 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

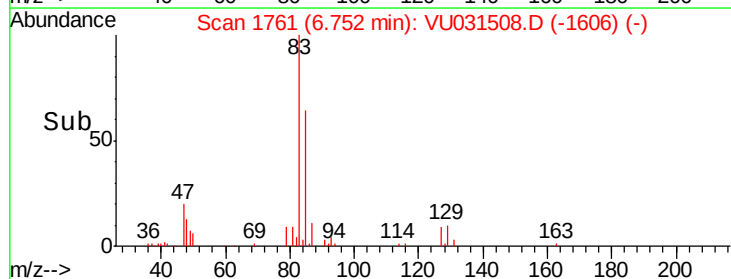
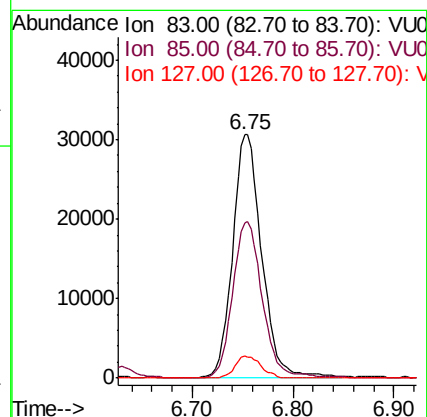
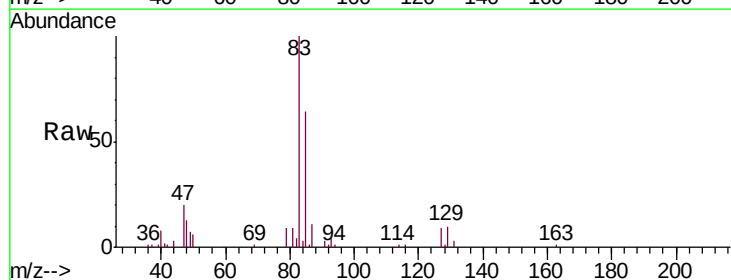
Tgt Ion: 83 Resp: 61641

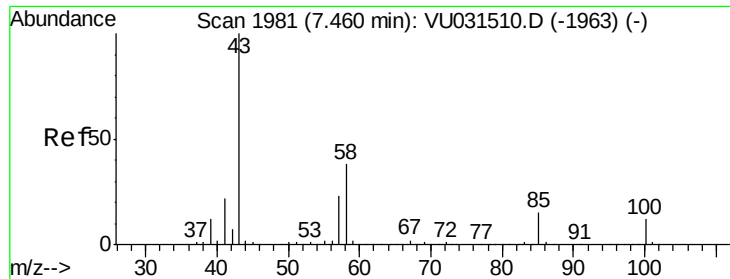
Ion Ratio Lower Upper

83 100

85 63.6 50.3 75.5

127 8.9 6.6 9.8

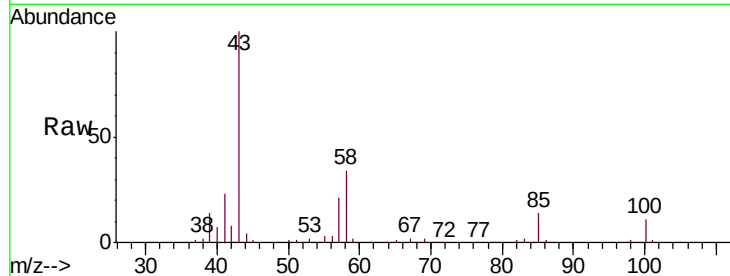




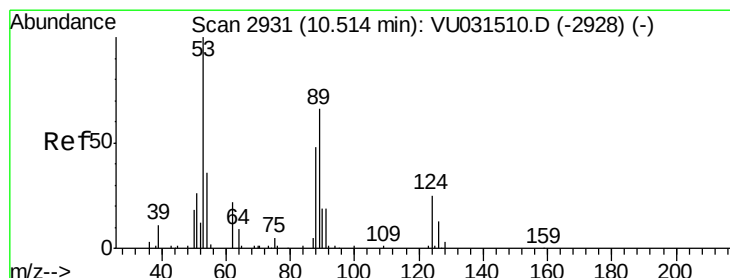
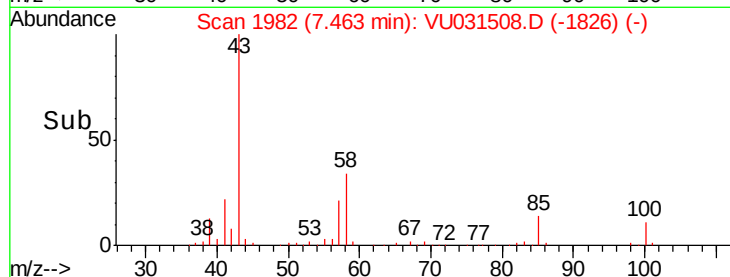
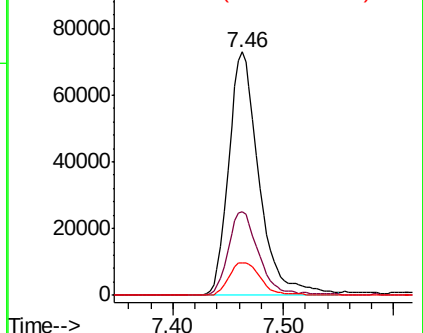
#45  
 4-Methyl-2-Pentanone  
 Concen: 9.817 ug/l  
 RT: 7.46 min Scan# 1982  
 Delta R.T. 0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

Tgt Ion: 43 Resp: 139103  
 Ion Ratio Lower Upper  
 43 100  
 58 34.8 18.7 56.1  
 85 14.0 12.1 18.1

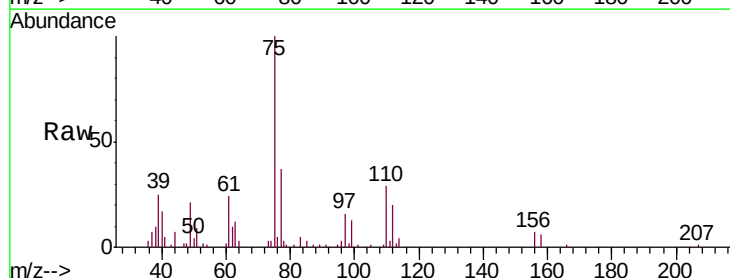


Abundance Ion 43.00 (42.70 to 43.70): VU0  
 Ion 58.00 (57.70 to 58.70): VU0  
 Ion 85.00 (84.70 to 85.70): VU0

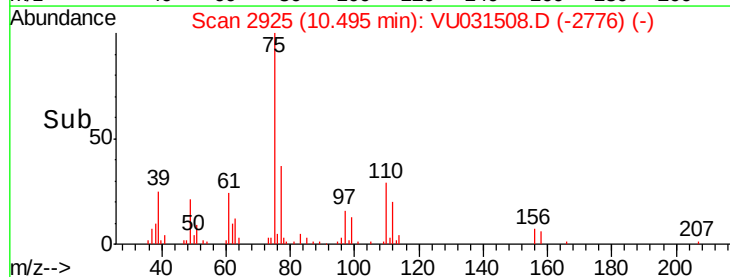
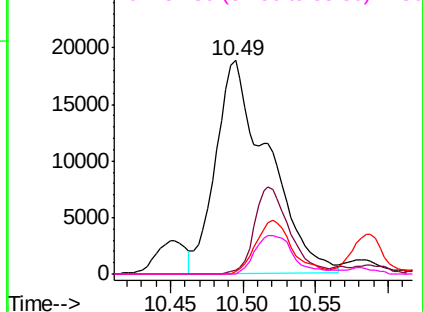


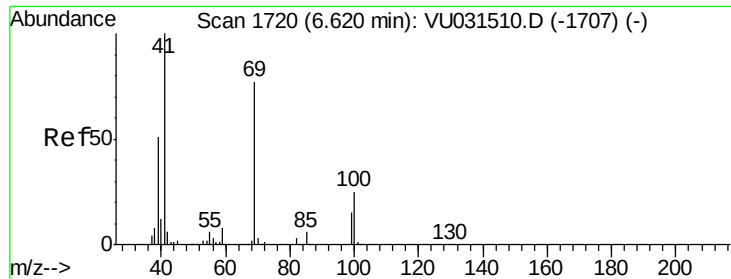
#46  
 t-1,4-Dichloro-2-butene  
 Concen: 9.003 ug/l  
 RT: 10.49 min Scan# 2925  
 Delta R.T. -0.02 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion: 75 Resp: 47395  
 Ion Ratio Lower Upper  
 75 100  
 53 27.4 63.8 95.8#  
 89 17.7 38.6 57.8#  
 88 13.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VU0  
 Ion 53.00 (52.70 to 53.70): VU0  
 Ion 88.80 (88.50 to 89.50): VU0  
 Ion 87.80 (87.50 to 88.50): VU0





#47

Methyl methacrylate

Concen: 3.668 ug/l

RT: 6.63 min Scan# 1722

Delta R.T. 0.01 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 69 Resp: 36708

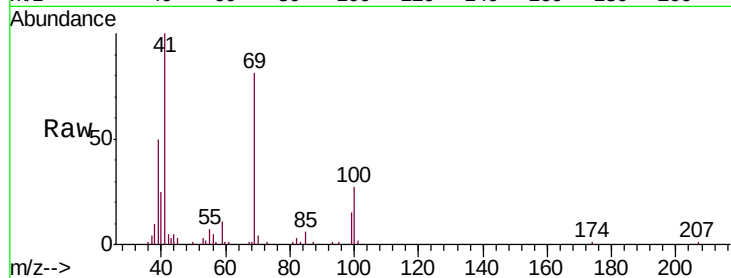
Ion Ratio Lower Upper

69 100

41 122.6 0.0 256.4

39 66.4 52.2 78.4

100 30.8 25.9 38.9

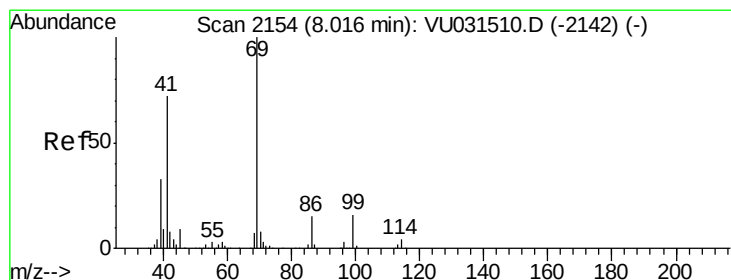
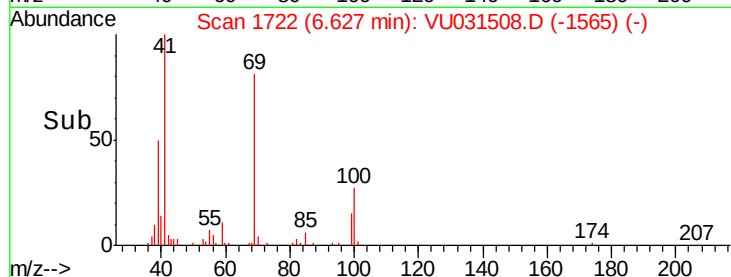
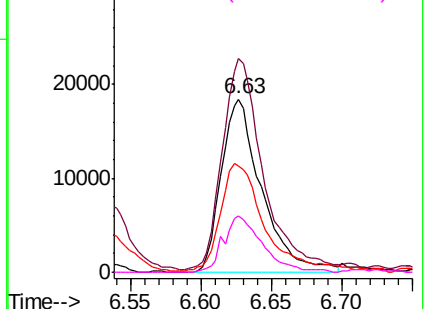


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 1.682 ug/l

RT: 8.02 min Scan# 2156

Delta R.T. 0.01 min

Lab File: VU031508.D

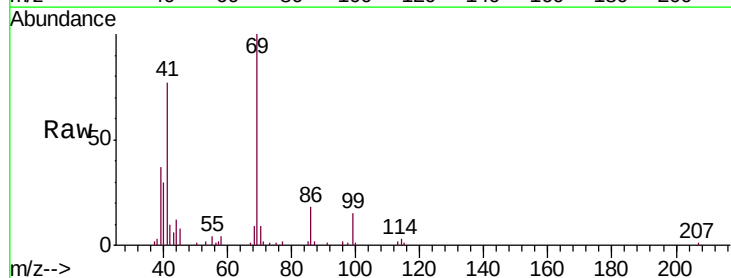
Acq: 25 Apr 2019 19:23

Tgt Ion: 69 Resp: 29664

Ion Ratio Lower Upper

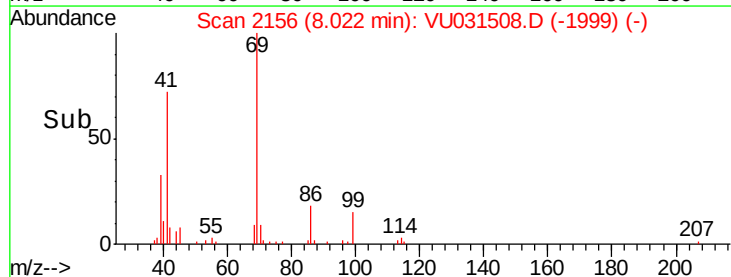
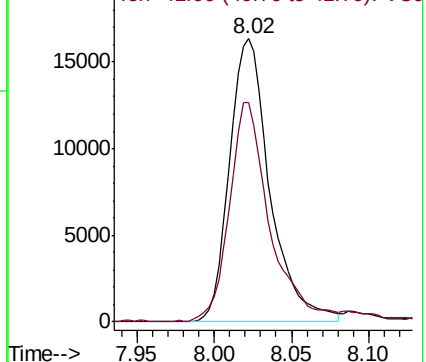
69 100

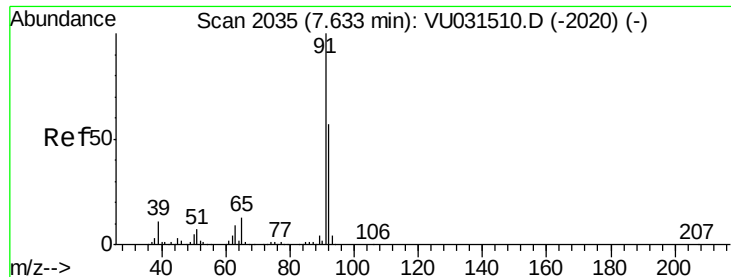
41 77.1 35.5 106.5



Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 1.896 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

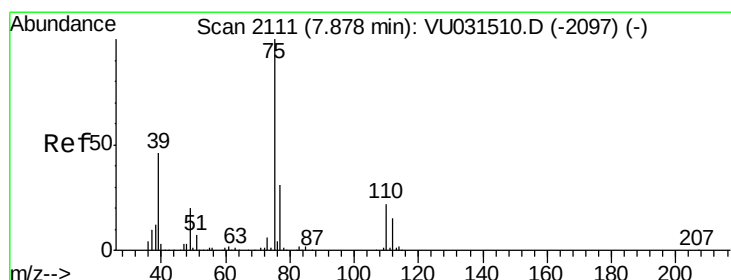
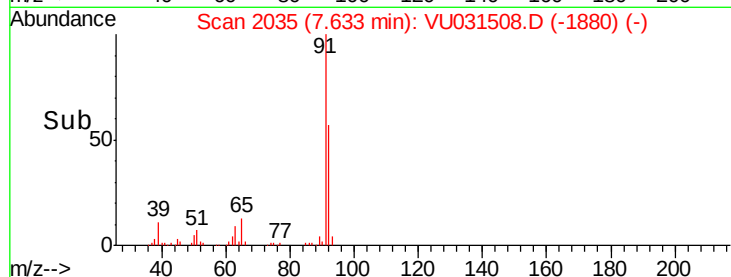
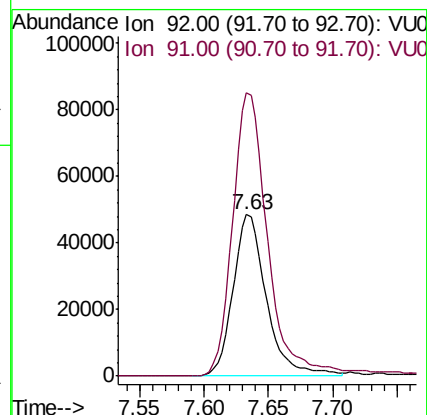
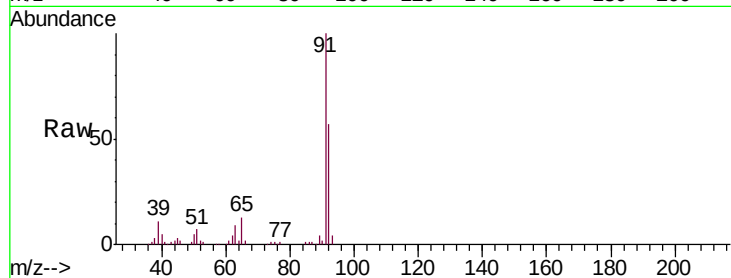
VSTDIC002

Tgt Ion: 92 Resp: 87261

Ion Ratio Lower Upper

92 100

91 183.1 142.0 213.0



#50

t-1,3-Dichloropropene

Concen: 1.832 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU031508.D

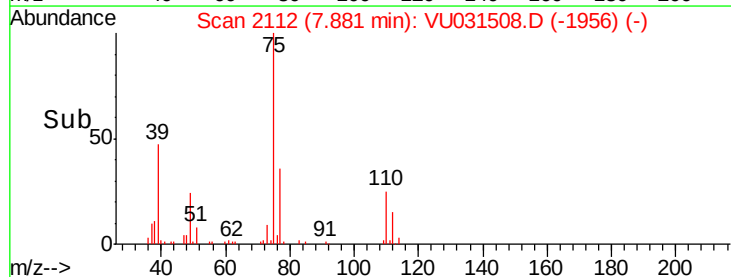
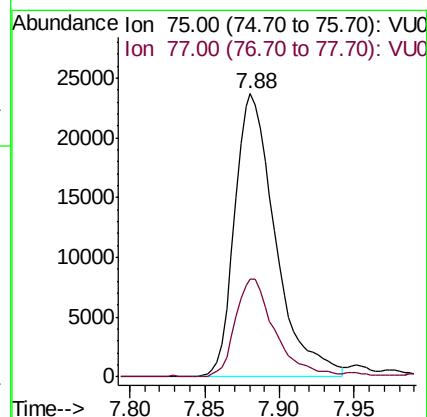
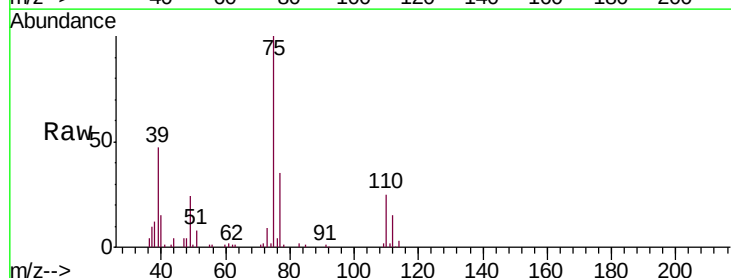
Acq: 25 Apr 2019 19:23

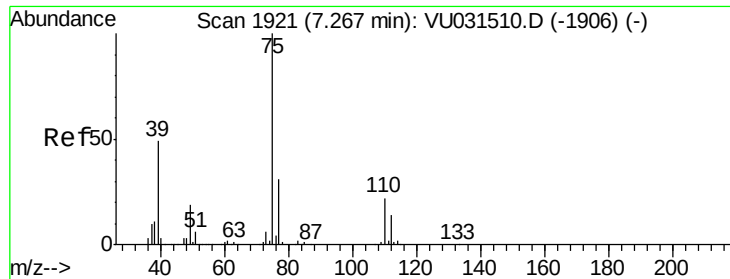
Tgt Ion: 75 Resp: 44899

Ion Ratio Lower Upper

75 100

77 34.8 25.0 37.4

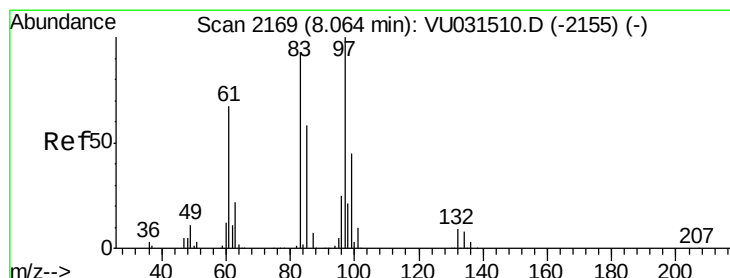
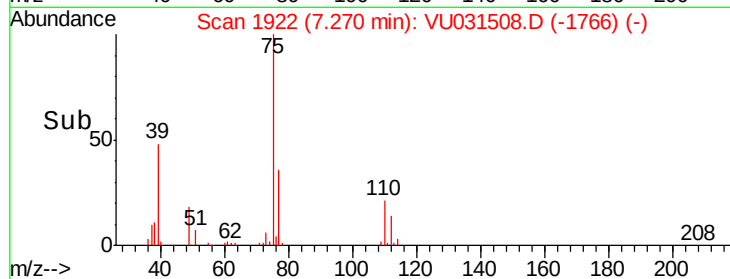
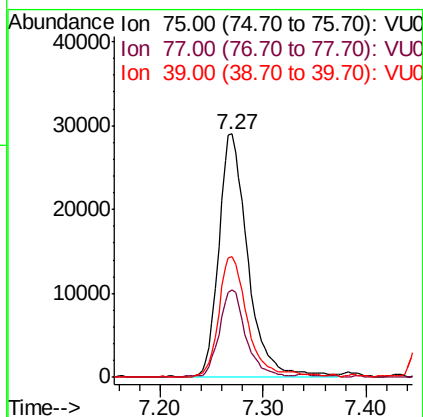
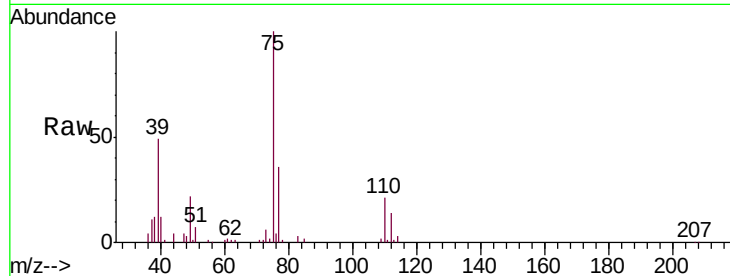




#51  
 cis-1,3-Dichloropropene  
 Concen: 1.953 ug/l  
 RT: 7.27 min Scan# 1922  
 Delta R.T. 0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

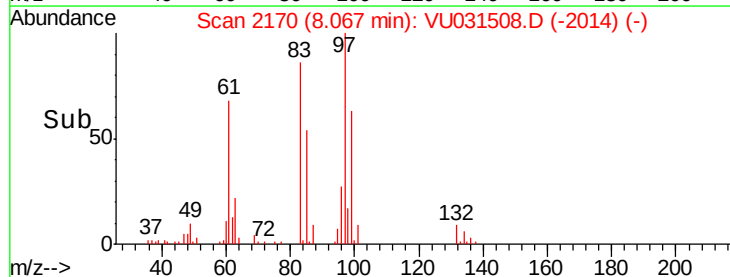
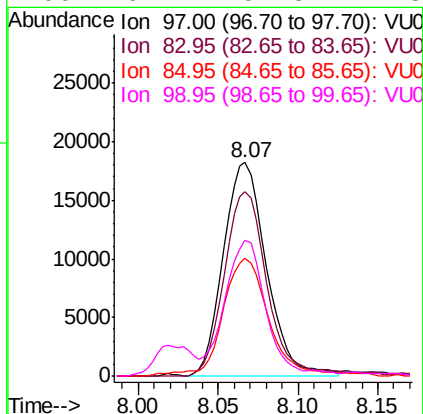
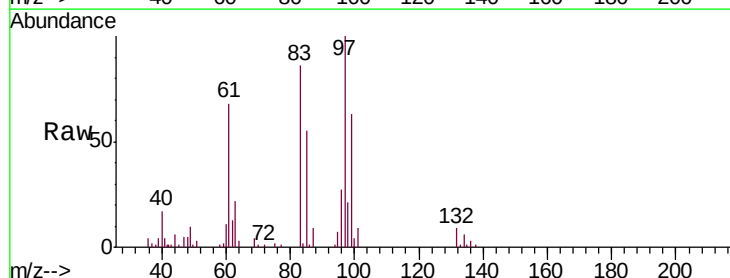
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

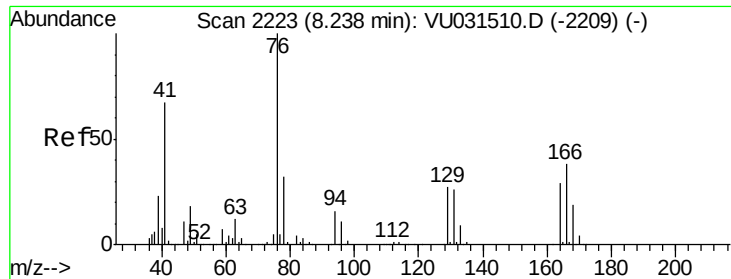
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 57008 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.5  | 25.0  | 37.4  |
| 39       | 49.5  | 39.0  | 58.6  |



#52  
 1,1,2-Trichloroethane  
 Concen: 2.080 ug/l  
 RT: 8.07 min Scan# 2170  
 Delta R.T. 0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 33423 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.4  | 74.8  | 112.2 |
| 85       | 53.6  | 48.3  | 72.5  |
| 99       | 62.1  | 51.8  | 77.8  |

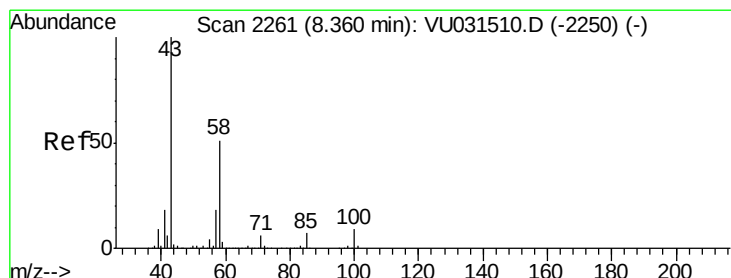
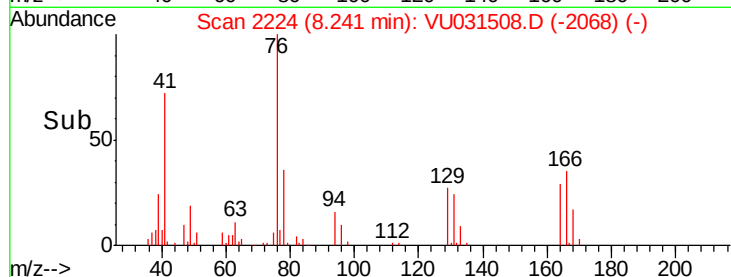
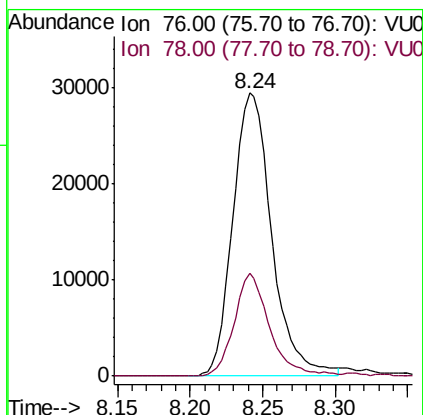
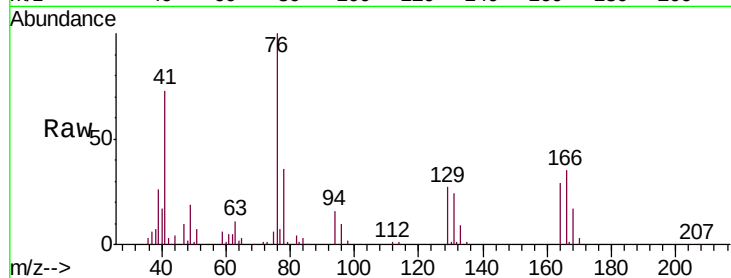




#53  
 1,3-Dichloropropane  
 Concen: 1.999 ug/l  
 RT: 8.24 min Scan# 2224  
 Delta R.T. 0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

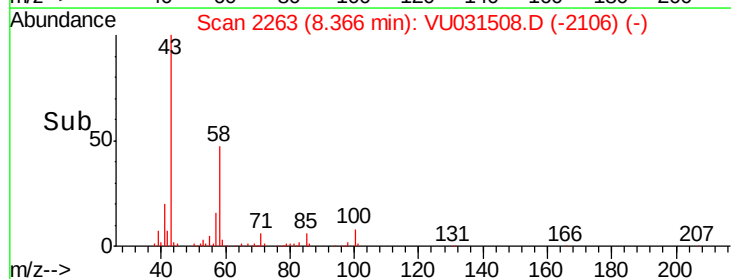
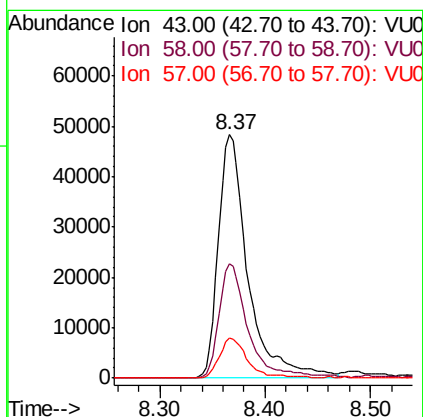
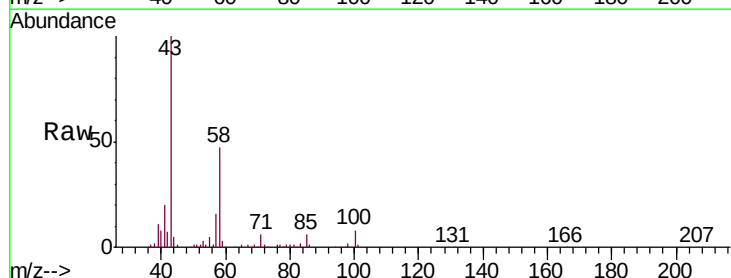
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

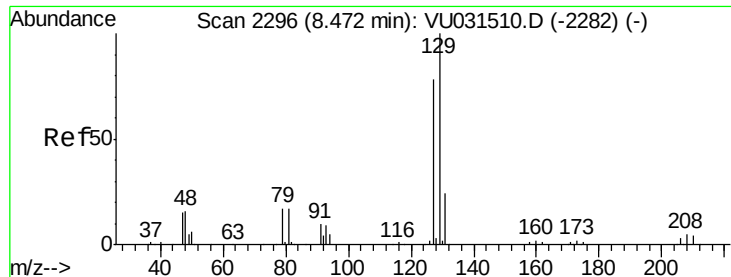
Tgt Ion: 76 Resp: 54923  
 Ion Ratio Lower Upper  
 76 100  
 78 33.0 25.7 38.5



#54  
 2-Hexanone  
 Concen: 9.812 ug/l  
 RT: 8.37 min Scan# 2263  
 Delta R.T. 0.01 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion: 43 Resp: 94048  
 Ion Ratio Lower Upper  
 43 100  
 58 45.8 30.3 70.3  
 57 14.8 0.0 37.8





#55

Dibromochloromethane

Concen: 1.817 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

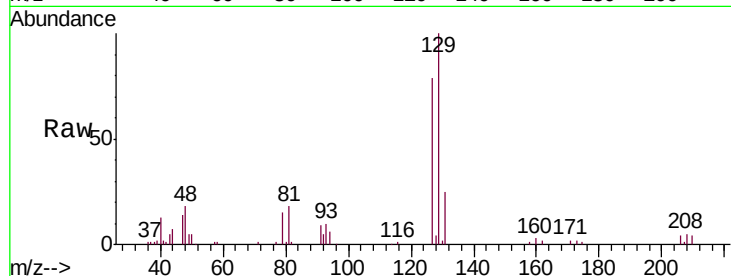
VSTDIC002

Tgt Ion:129 Resp: 34496

Ion Ratio Lower Upper

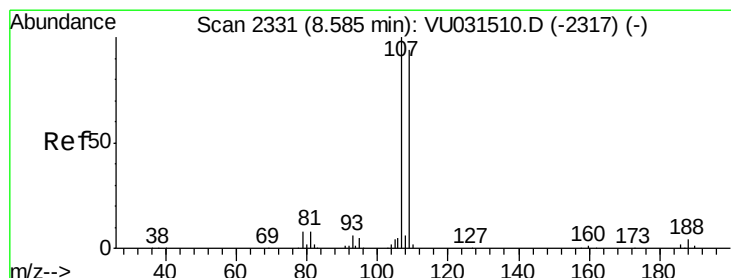
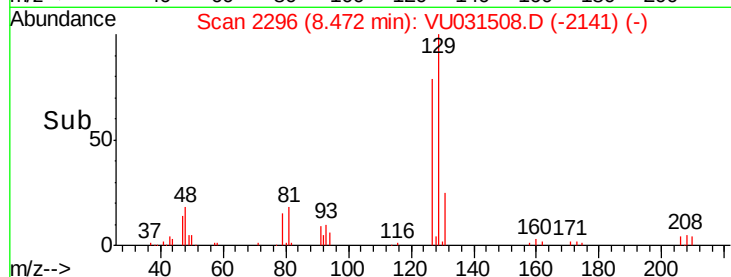
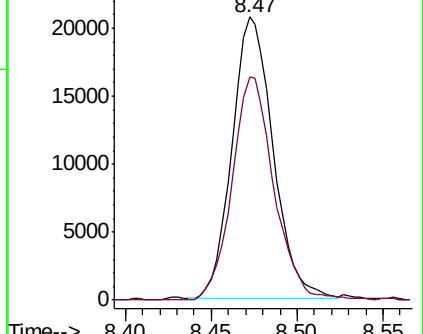
129 100

127 81.1 62.6 94.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 1.918 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU031508.D

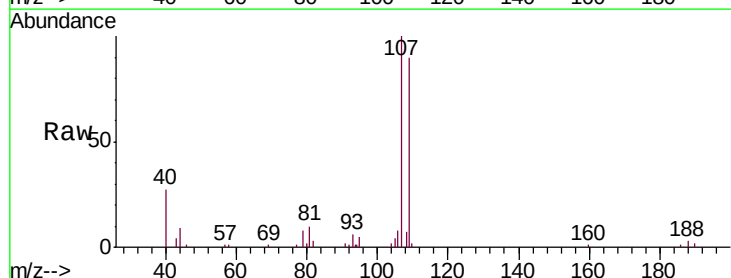
Acq: 25 Apr 2019 19:23

Tgt Ion:107 Resp: 28608

Ion Ratio Lower Upper

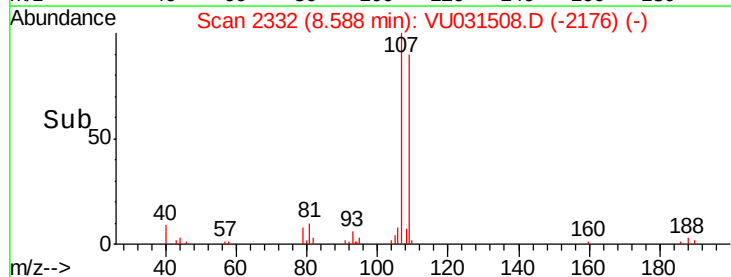
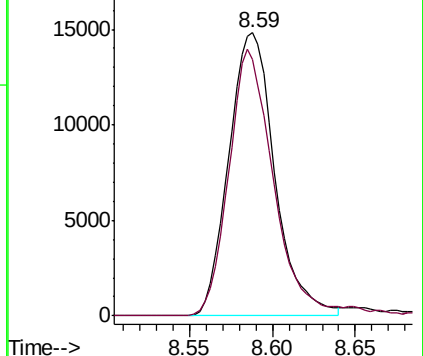
107 100

109 91.0 0.0 186.0

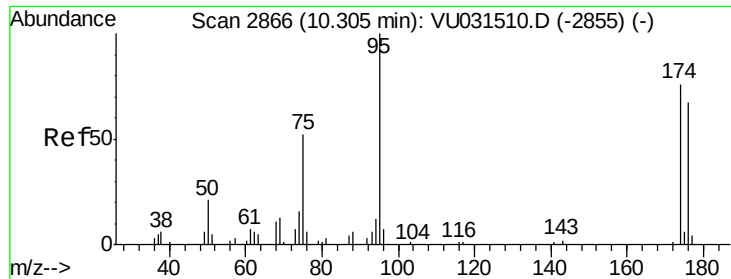


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



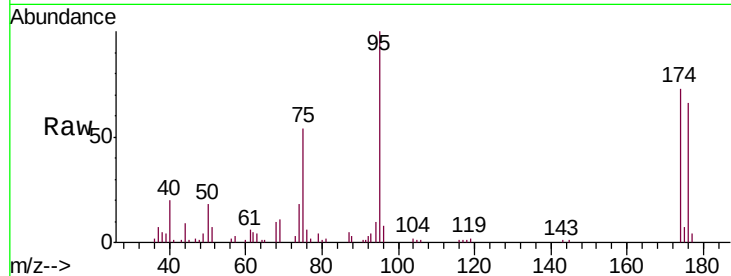




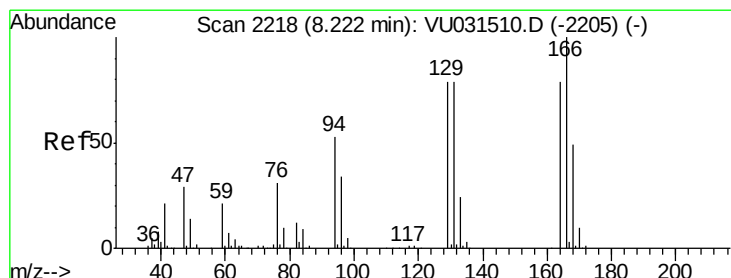
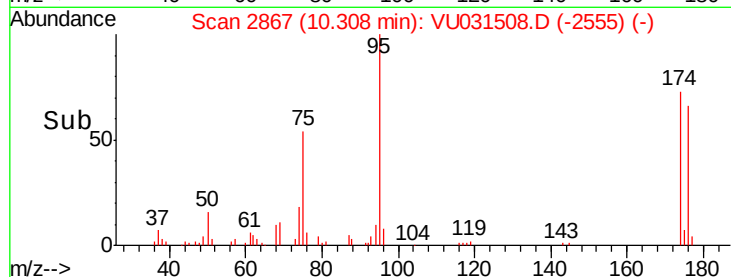
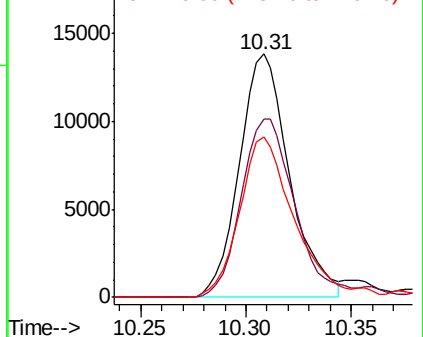
#57  
4-Bromofluorobenzene  
Concen: 1.918 ug/l  
RT: 10.31 min Scan# 2867  
Delta R.T. 0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

Tgt Ion: 95 Resp: 22878  
Ion Ratio Lower Upper  
95 100  
174 78.2 57.9 86.9  
176 70.6 54.0 81.0

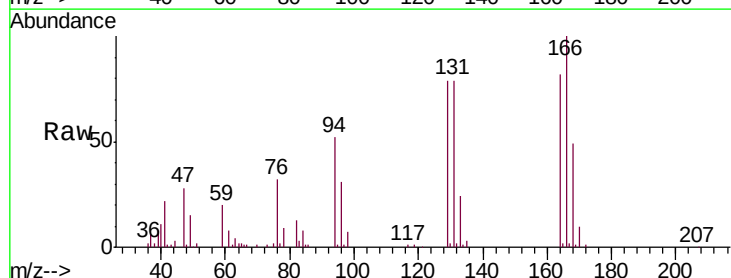


Abundance Ion 95.00 (94.70 to 95.70): VU031510.D (-2855) (-)  
Ion 174.00 (173.70 to 174.70): VU031510.D (-2855) (-)  
Ion 176.00 (175.70 to 176.70): VU031510.D (-2855) (-)

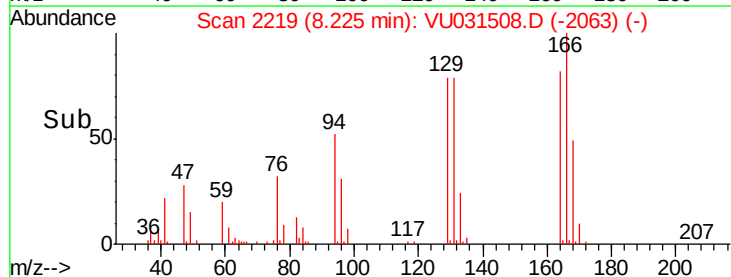
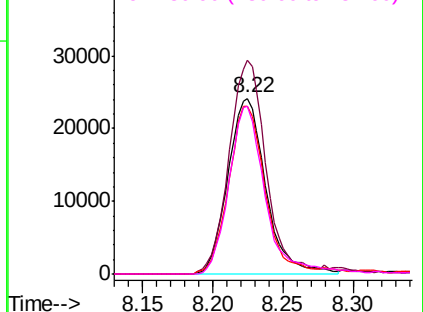


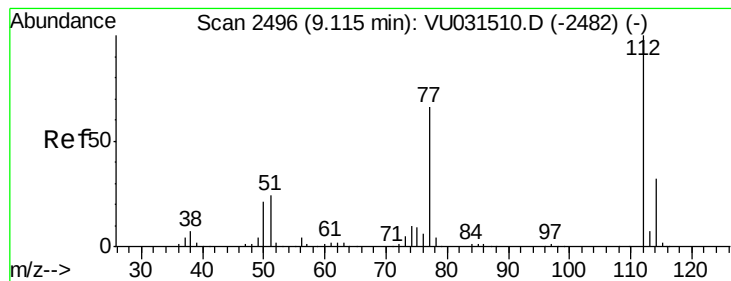
#58  
Tetrachloroethene  
Concen: 2.284 ug/l  
RT: 8.22 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

Tgt Ion: 164 Resp: 45484  
Ion Ratio Lower Upper  
164 100  
166 121.3 101.2 151.8  
129 95.5 80.2 120.4  
131 95.3 79.6 119.4



Abundance Ion 163.85 (163.55 to 164.55): VU031510.D (-2205) (-)  
Ion 165.80 (165.50 to 166.50): VU031510.D (-2205) (-)  
Ion 128.90 (128.60 to 129.60): VU031510.D (-2205) (-)  
Ion 130.90 (130.60 to 131.60): VU031510.D (-2205) (-)





#59

Chlorobenzene

Concen: 1.886 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

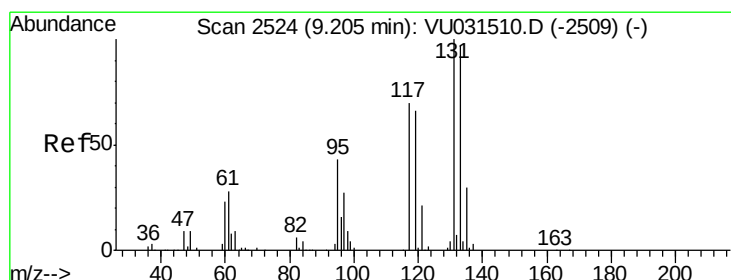
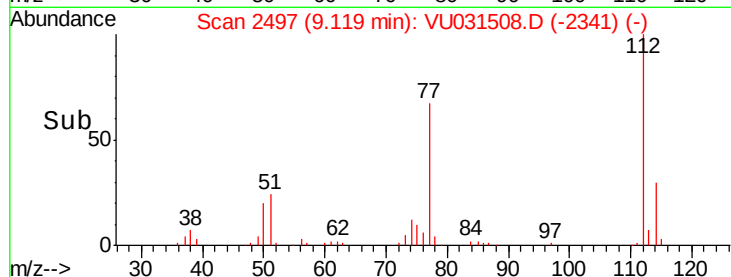
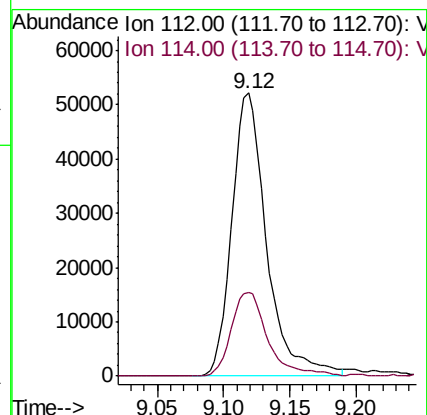
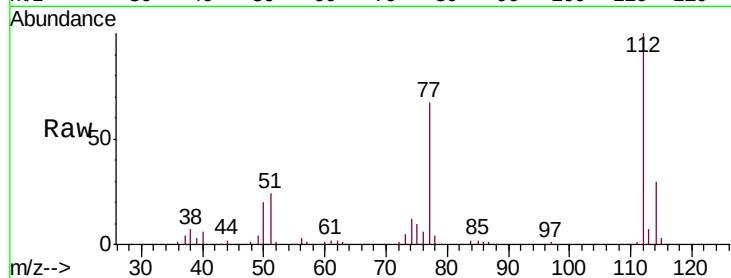
VSTDIC002

Tgt Ion:112 Resp: 95496

Ion Ratio Lower Upper

112 100

114 29.6 25.8 38.6



#60

1,1,1,2-Tetrachloroethane

Concen: 2.010 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

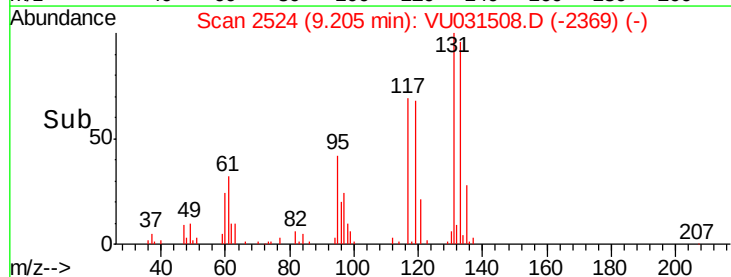
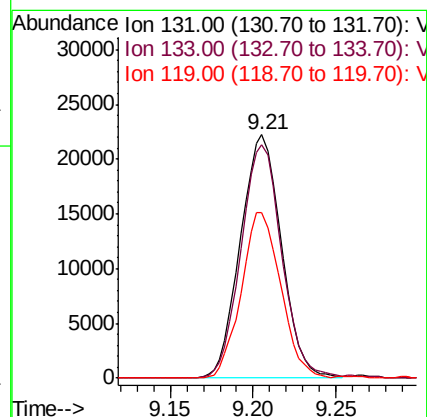
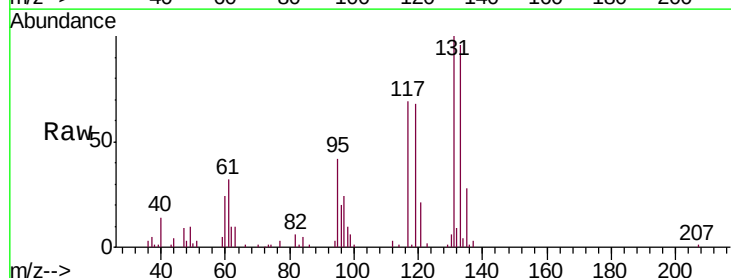
Tgt Ion:131 Resp: 38276

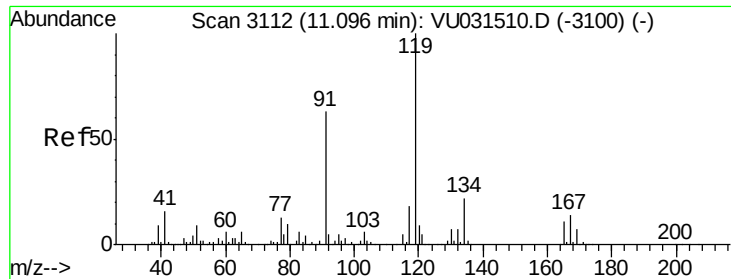
Ion Ratio Lower Upper

131 100

133 95.6 77.7 116.5

119 65.4 53.4 80.0

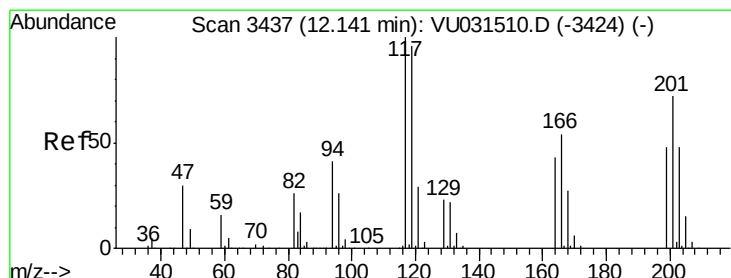
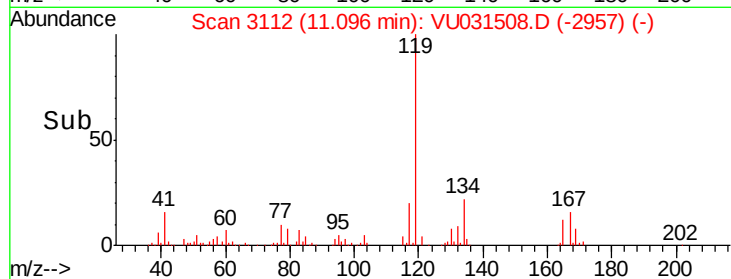
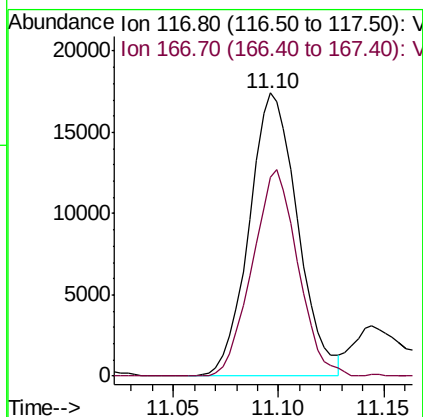
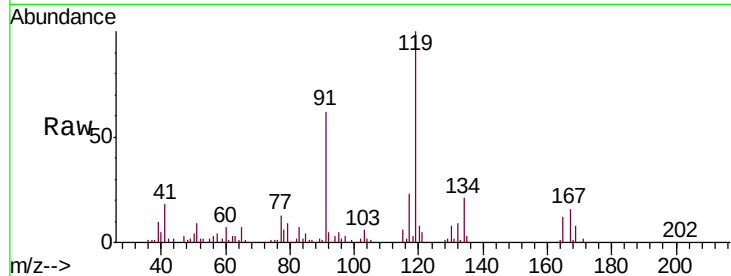




#61  
 Pentachloroethane  
 Concen: 1.914 ug/l  
 RT: 11.10 min Scan# 3112  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

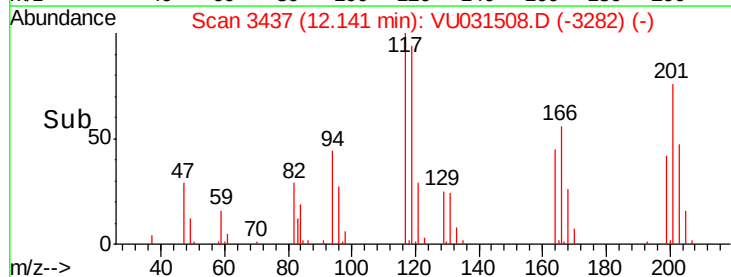
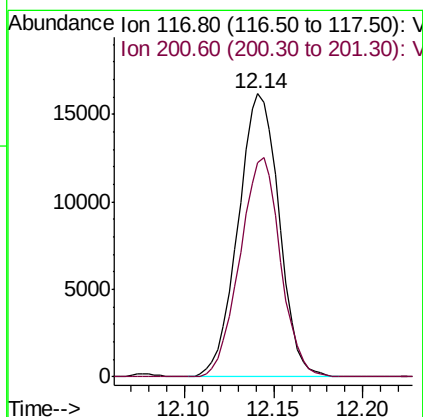
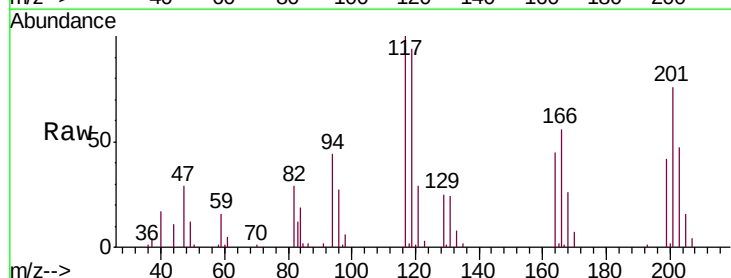
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

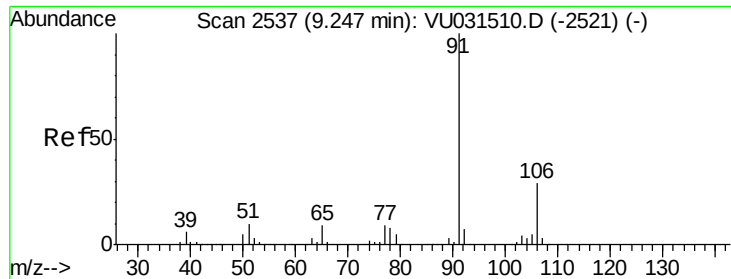
Tgt Ion:117 Resp: 27849  
 Ion Ratio Lower Upper  
 117 100  
 167 68.5 62.5 93.7



#62  
 Hexachloroethane  
 Concen: 1.821 ug/l  
 RT: 12.14 min Scan# 3437  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion:117 Resp: 25887  
 Ion Ratio Lower Upper  
 117 100  
 201 76.7 60.0 90.0

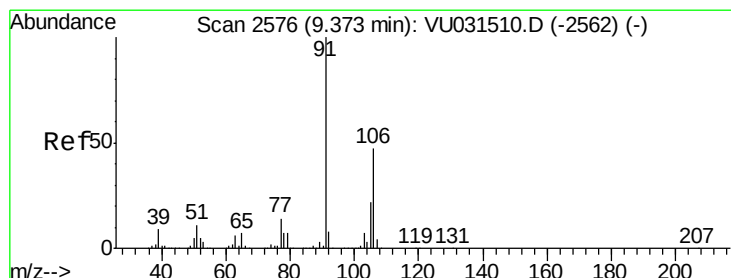
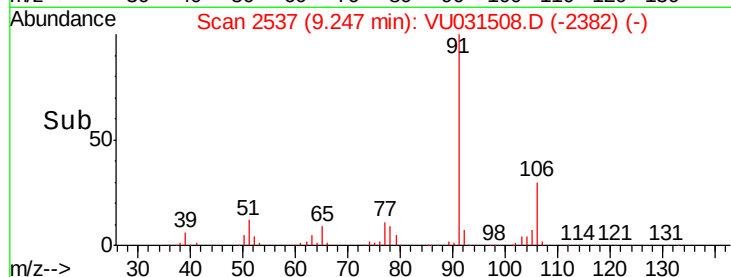
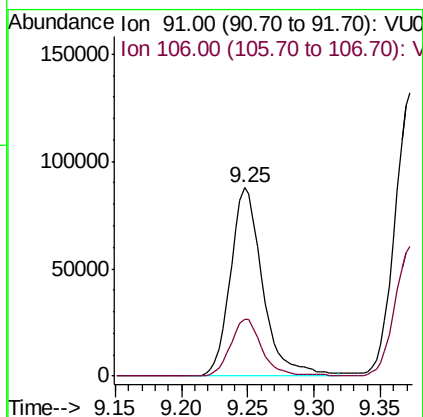
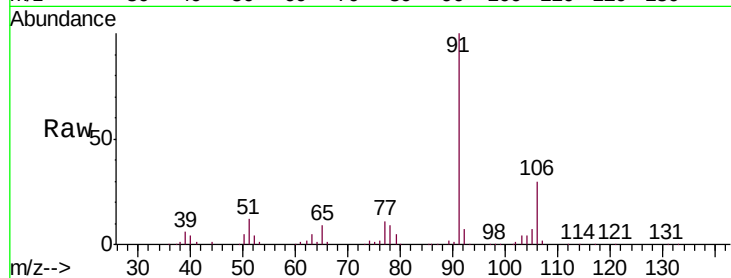




#63  
 Ethyl Benzene  
 Concen: 1.829 ug/l  
 RT: 9.25 min Scan# 2537  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

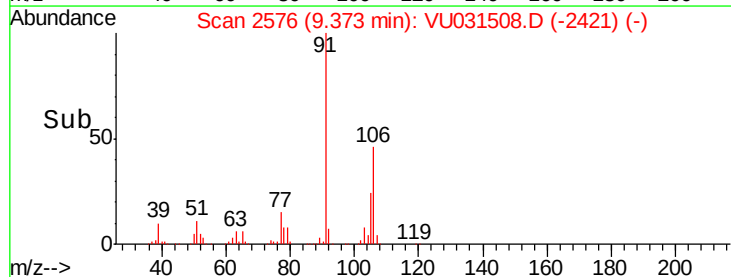
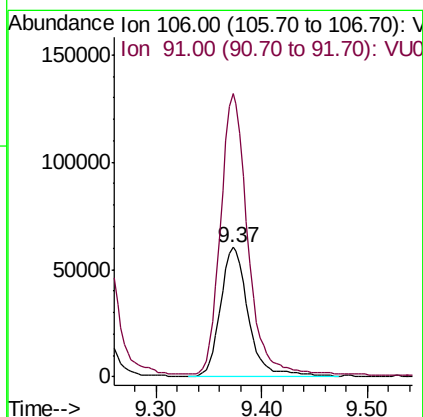
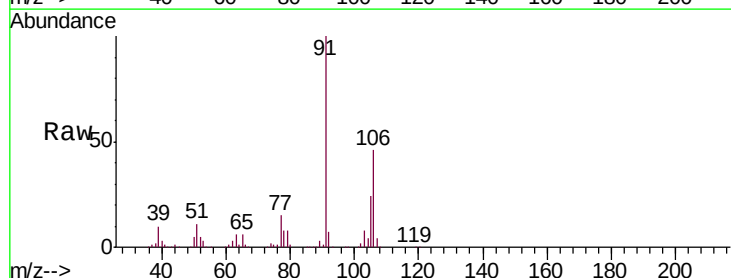
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

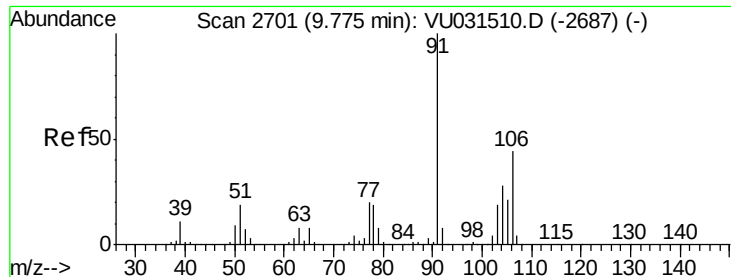
Tgt Ion: 91 Resp: 148770  
 Ion Ratio Lower Upper  
 91 100  
 106 30.4 23.4 35.2



#64  
 m/p-Xylenes  
 Concen: 3.566 ug/l  
 RT: 9.37 min Scan# 2576  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion: 106 Resp: 109959  
 Ion Ratio Lower Upper  
 106 100  
 91 216.1 171.0 256.4

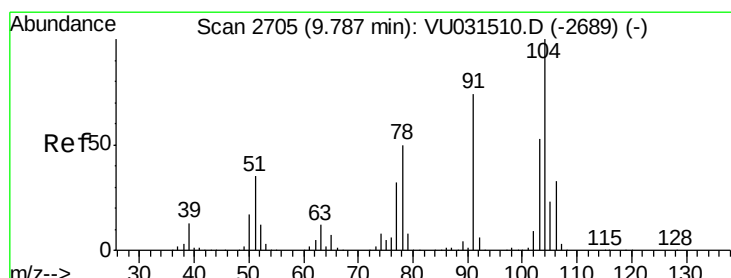
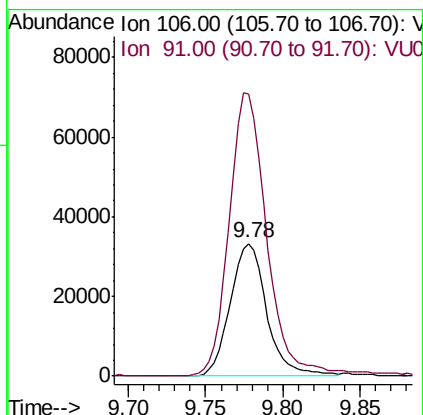
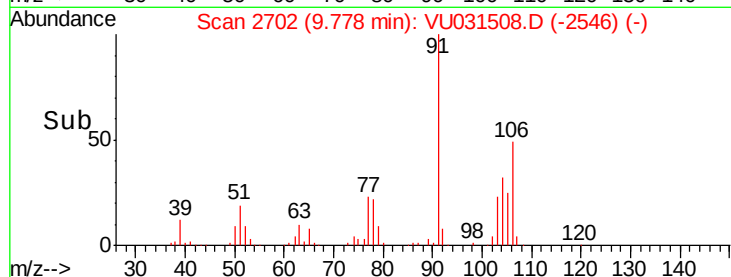
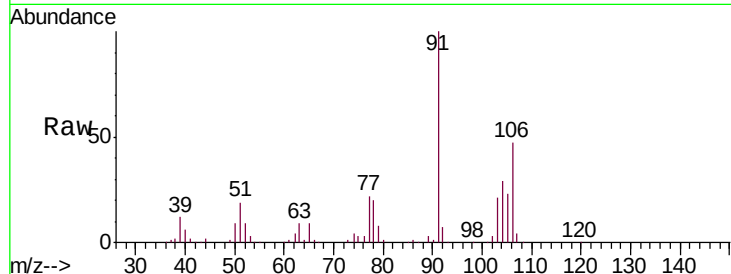




#65  
o-Xylene  
Concen: 1.847 ug/l  
RT: 9.78 min Scan# 2702  
Delta R.T. 0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

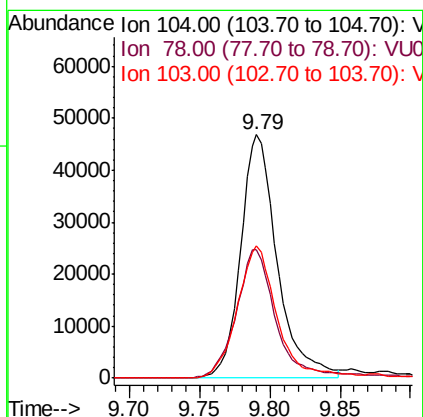
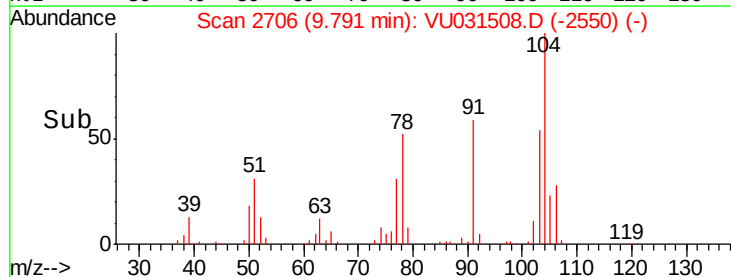
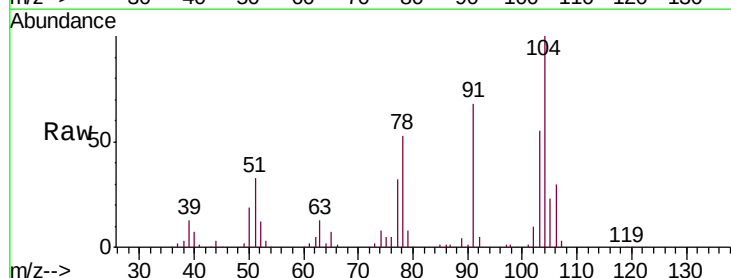
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

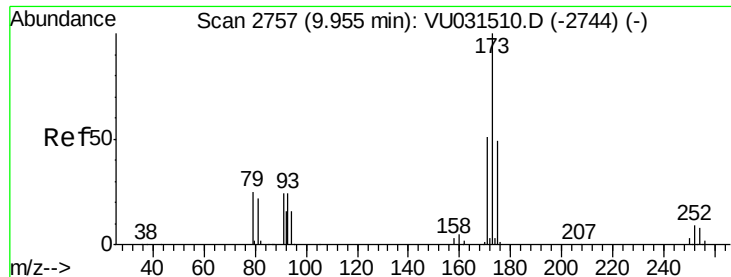
Tgt Ion:106 Resp: 54651  
Ion Ratio Lower Upper  
106 100  
91 220.7 113.8 341.4



#66  
Styrene  
Concen: 1.700 ug/l  
RT: 9.79 min Scan# 2706  
Delta R.T. 0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

Tgt Ion:104 Resp: 85307  
Ion Ratio Lower Upper  
104 100  
78 59.0 42.5 63.7  
103 58.8 44.5 66.7

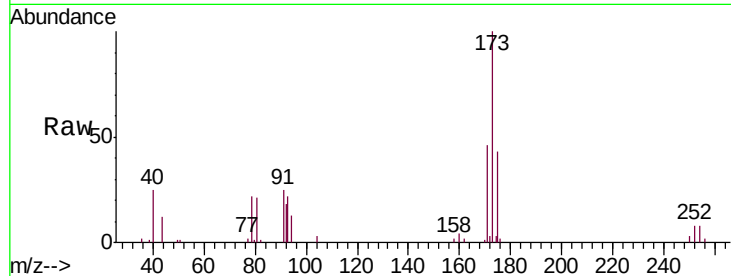




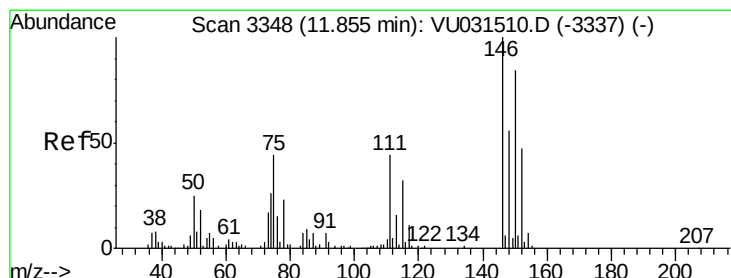
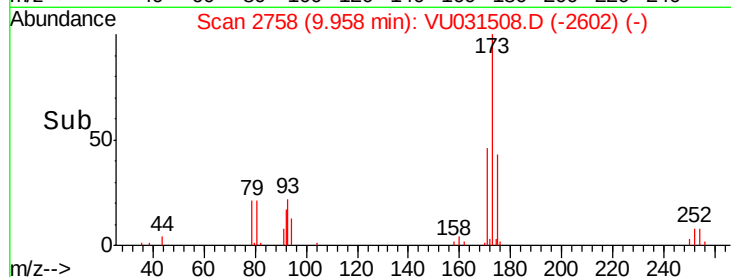
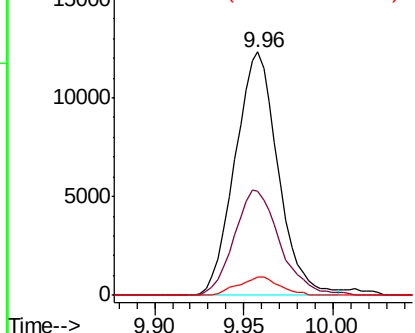
#67  
Bromoform  
Concen: 1.916 ug/l  
RT: 9.96 min Scan# 2758  
Delta R.T. 0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC002

Tgt Ion:173 Resp: 20762  
Ion Ratio Lower Upper  
173 100  
175 45.9 38.7 58.1  
254 7.3 6.0 9.0

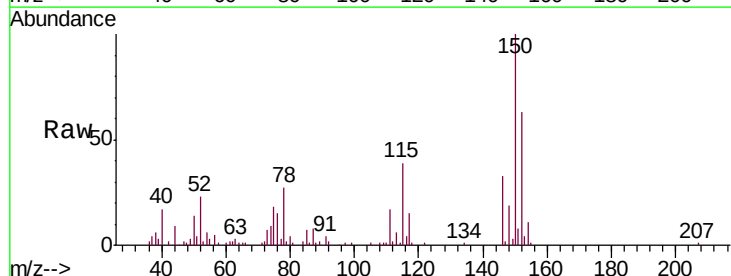


Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V

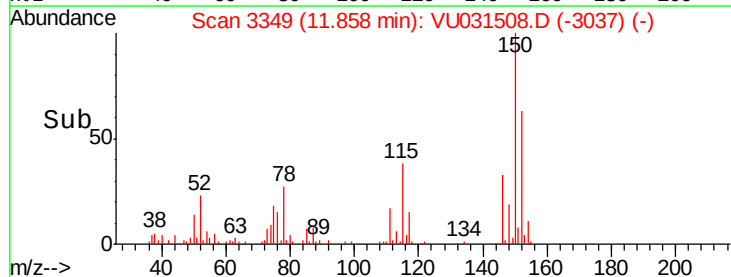
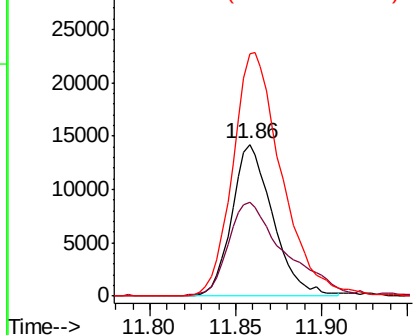


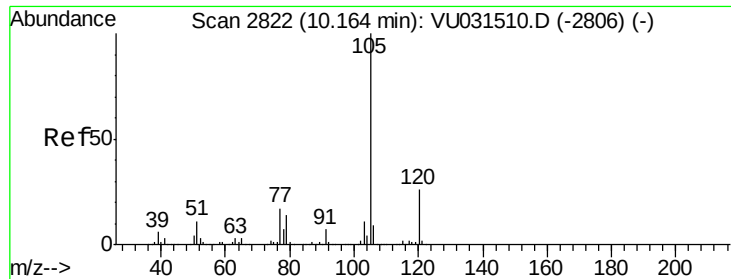
#68  
1,2-Dichlorobenzene-d4  
Concen: 1.916 ug/l  
RT: 11.86 min Scan# 3349  
Delta R.T. 0.00 min  
Lab File: VU031508.D  
Acq: 25 Apr 2019 19:23

Tgt Ion:152 Resp: 23670  
Ion Ratio Lower Upper  
152 100  
115 85.9 0.0 123.2  
150 190.7 0.0 658.2



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





#69

Isopropylbenzene

Concen: 1.811 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

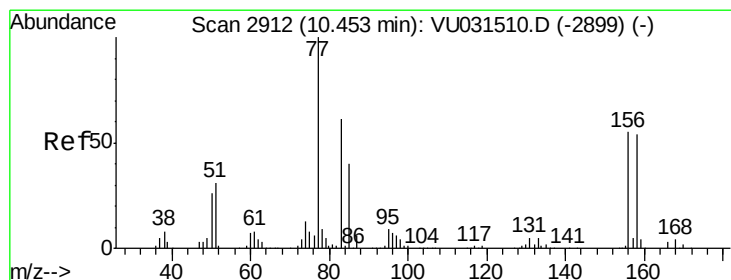
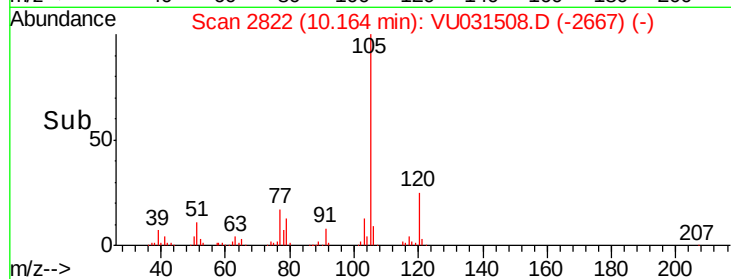
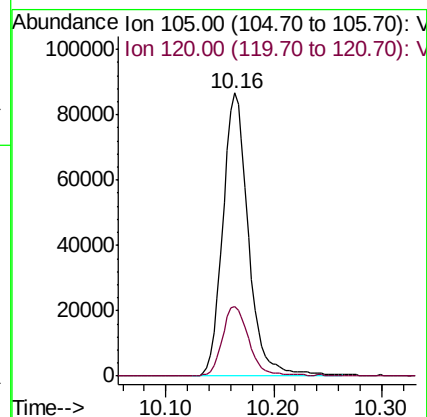
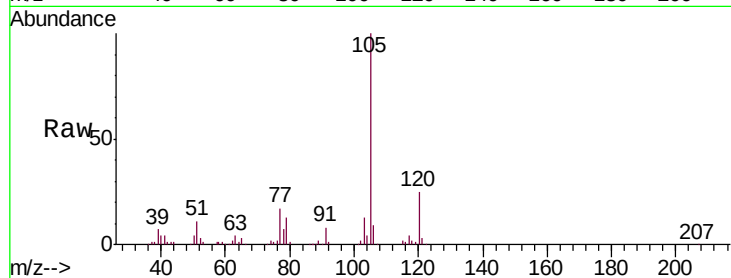
VSTDIC002

Tgt Ion:105 Resp: 143290

Ion Ratio Lower Upper

105 100

120 25.6 12.4 37.4



#70

1,1,2,2-Tetrachloroethane

Concen: 1.932 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

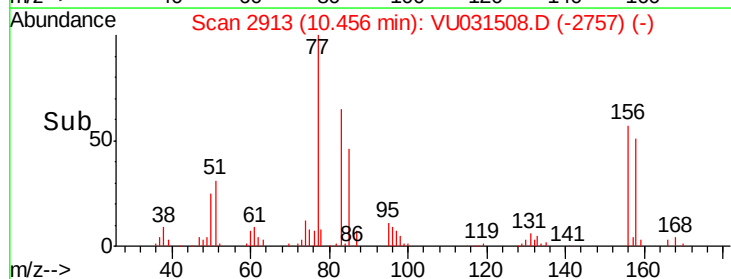
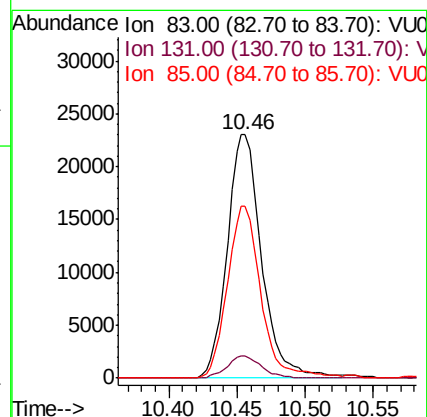
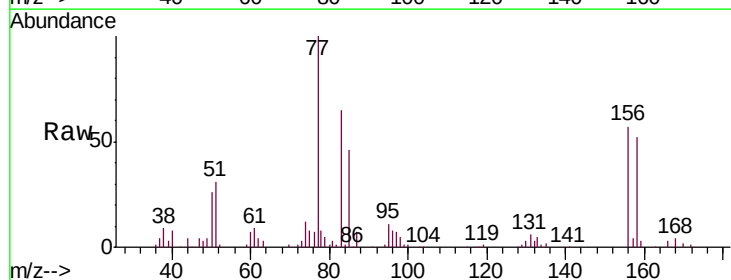
Tgt Ion: 83 Resp: 40312

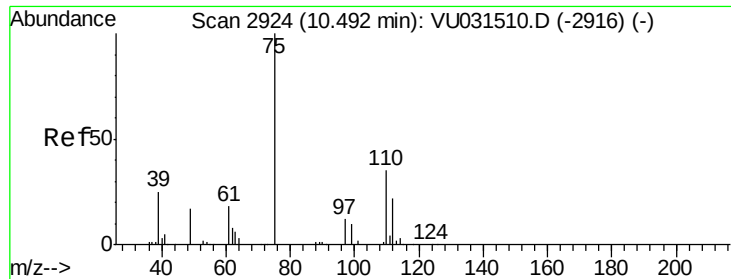
Ion Ratio Lower Upper

83 100

131 9.0 7.2 10.8

85 68.7 52.8 79.2





#71

1,2,3-Trichloropropane

Concen: 3.155 ug/l

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 47395

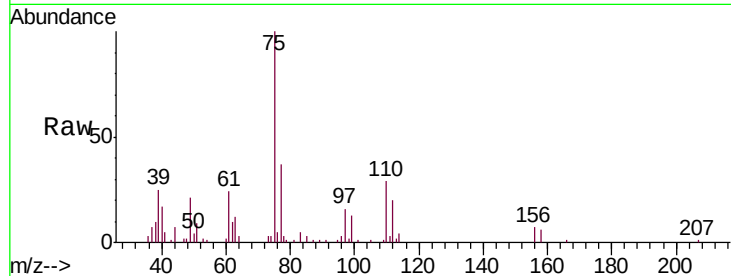
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

110 19.8 0.0 68.2

97 11.8 0.0 36.6

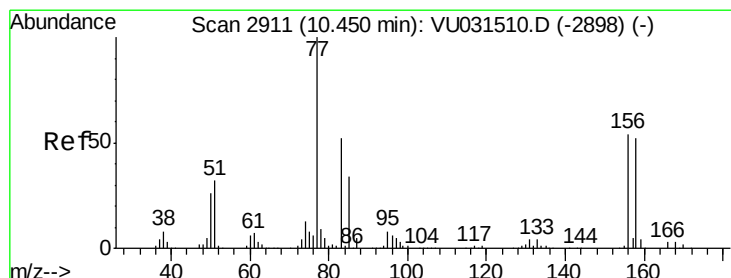
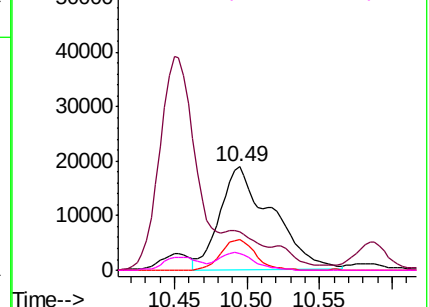
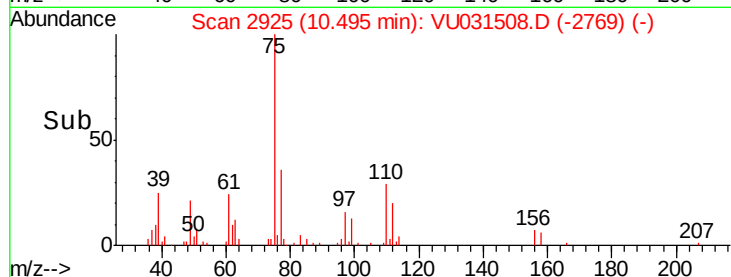


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 1.797 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

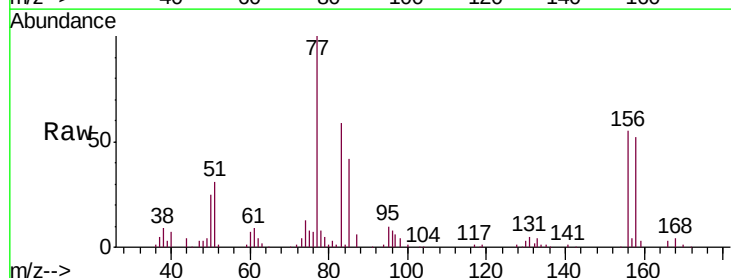
Tgt Ion: 156 Resp: 37307

Ion Ratio Lower Upper

156 100

77 183.1 0.0 353.4

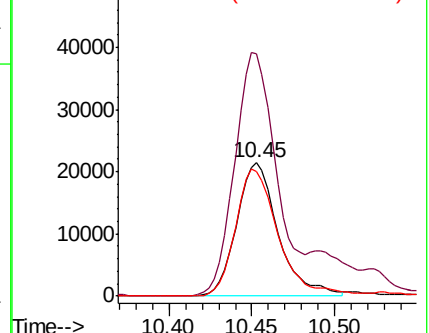
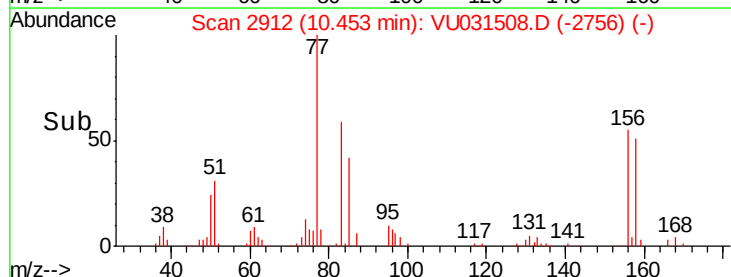
158 98.3 0.0 190.6



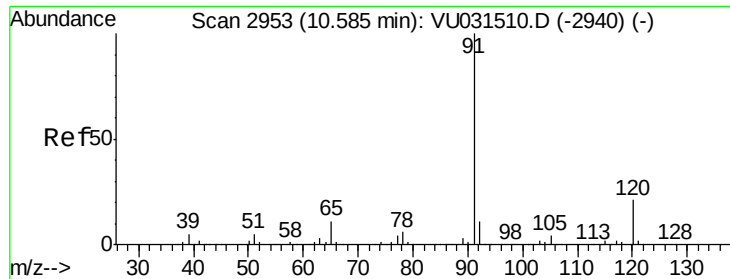
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V







#73

n-propylbenzene

Concen: 1.778 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

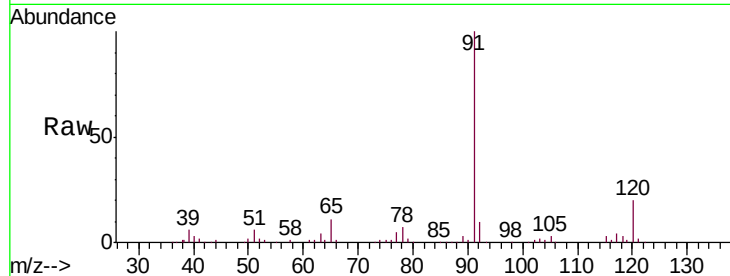
VSTDIC002

Tgt Ion:120 Resp: 37474

Ion Ratio Lower Upper

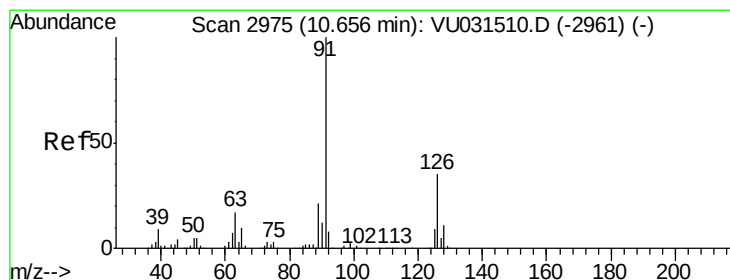
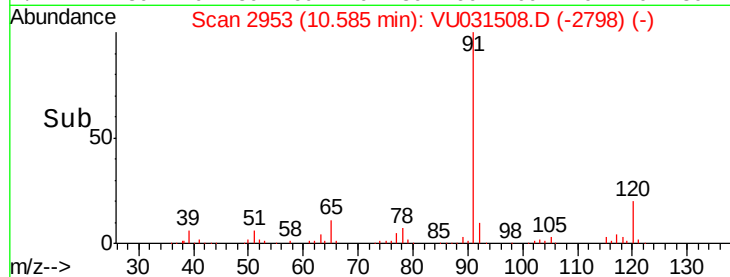
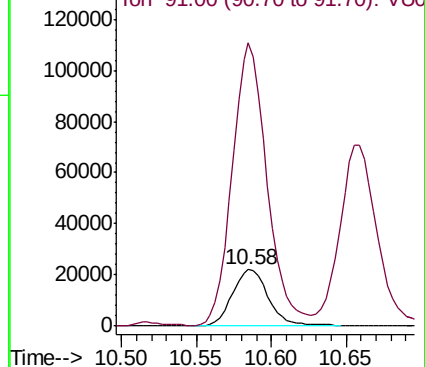
120 100

91 474.8 373.9 560.9



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.836 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU031508.D

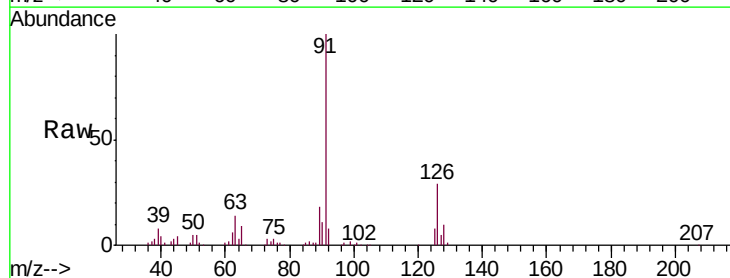
Acq: 25 Apr 2019 19:23

Tgt Ion:126 Resp: 35648

Ion Ratio Lower Upper

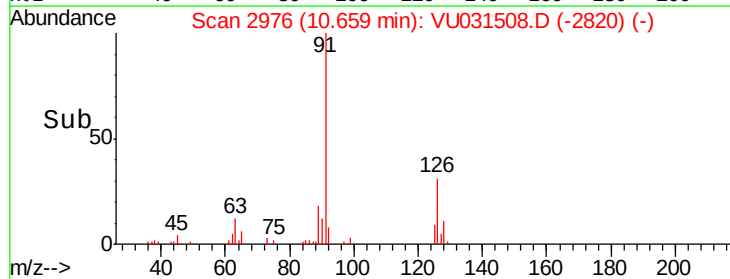
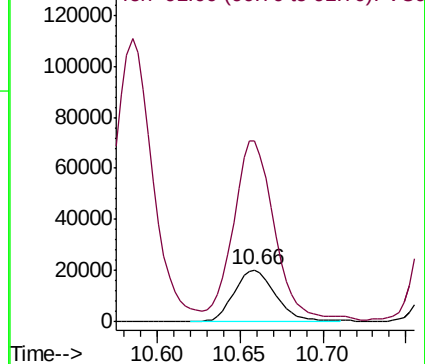
126 100

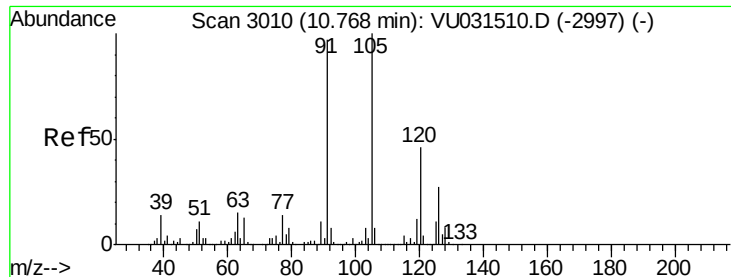
91 337.1 0.0 659.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.793 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

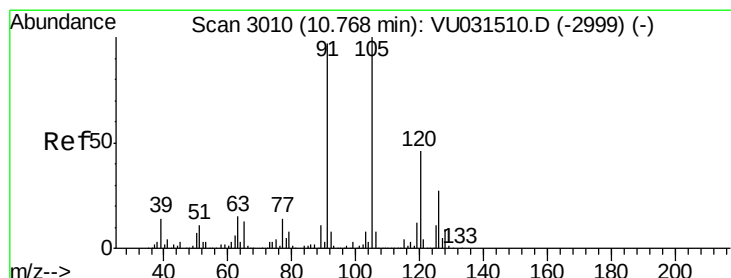
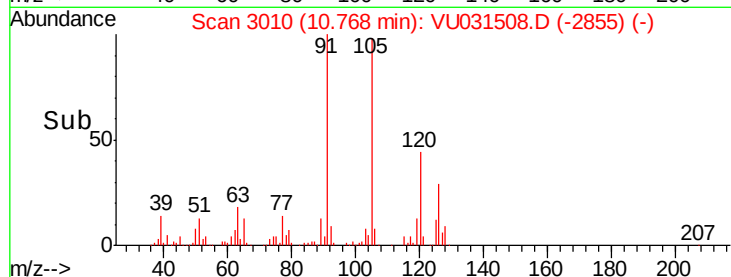
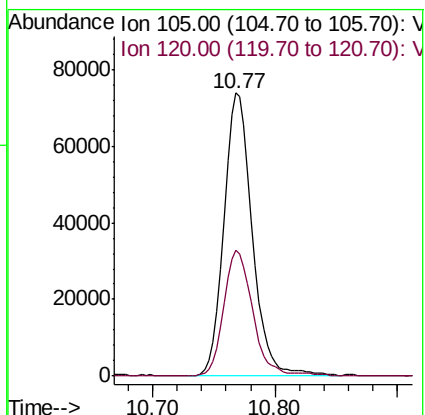
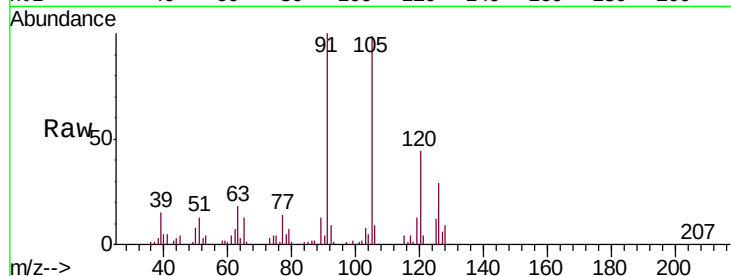
VSTDIC002

Tgt Ion:105 Resp: 120675

Ion Ratio Lower Upper

105 100

120 45.0 36.8 55.2



#76

4-Chlorotoluene

Concen: 1.857 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031508.D

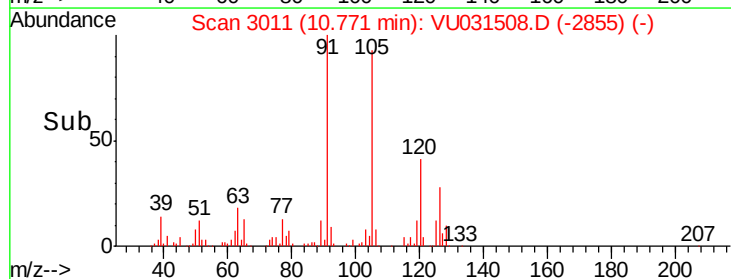
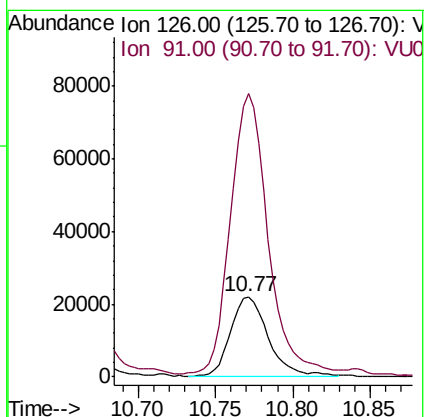
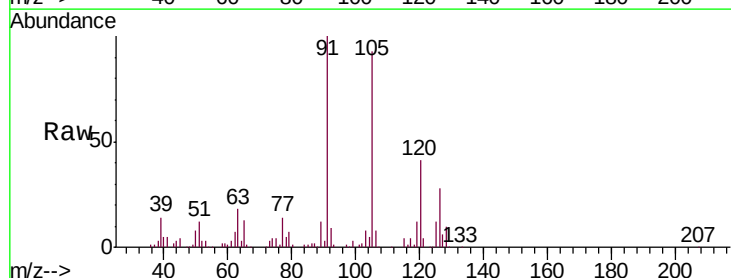
Acq: 25 Apr 2019 19:23

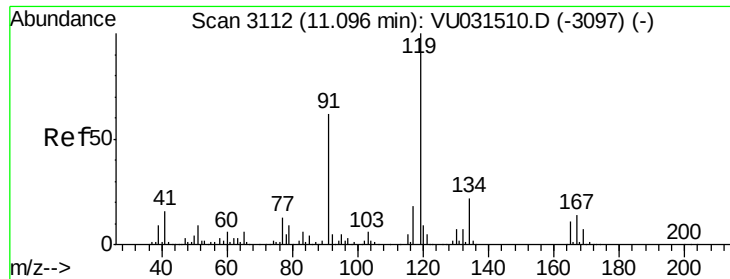
Tgt Ion:126 Resp: 36445

Ion Ratio Lower Upper

126 100

91 354.3 0.0 732.0

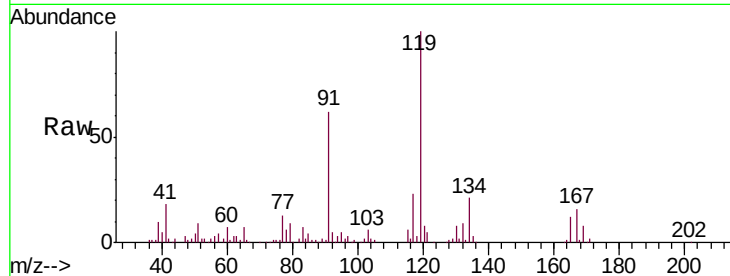




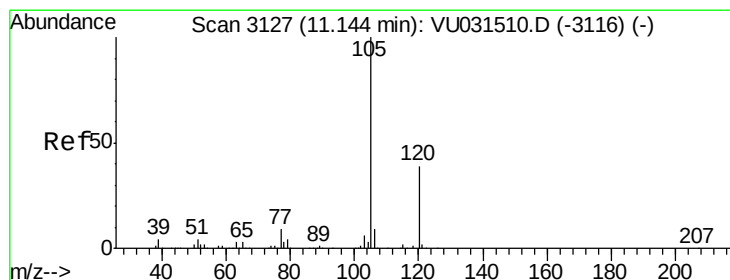
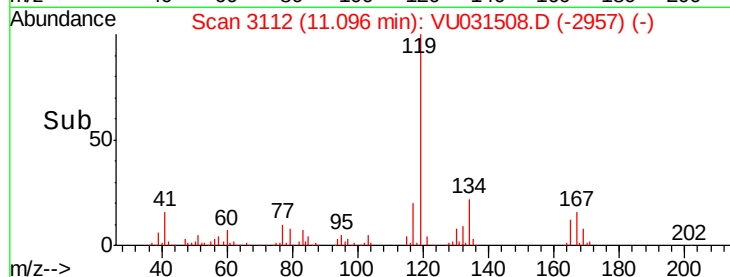
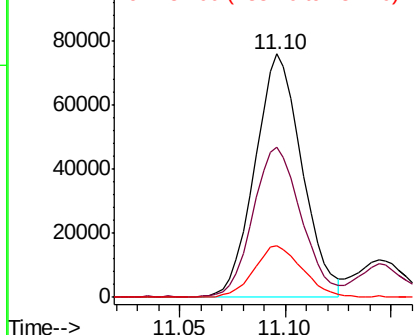
#77  
 tert-Butylbenzene  
 Concen: 1.816 ug/l  
 RT: 11.10 min Scan# 3112  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

Tgt Ion:119 Resp: 118041  
 Ion Ratio Lower Upper  
 119 100  
 91 63.1 31.4 94.2  
 134 21.9 17.4 26.2

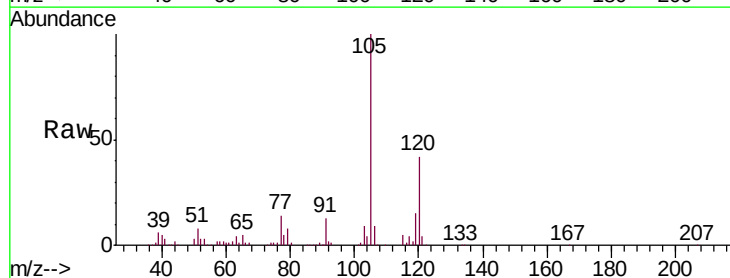


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VU  
 Ion 134.00 (133.70 to 134.70): V

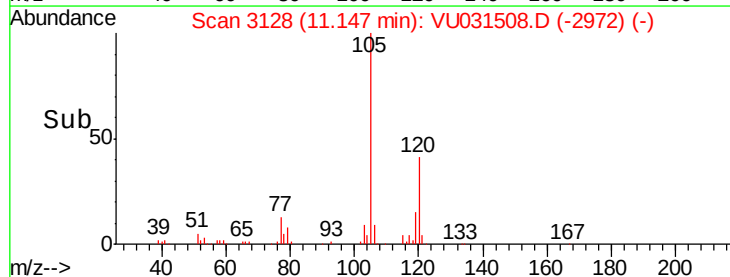
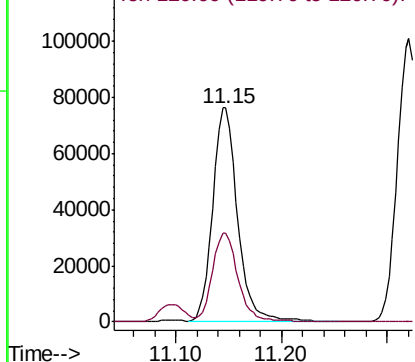


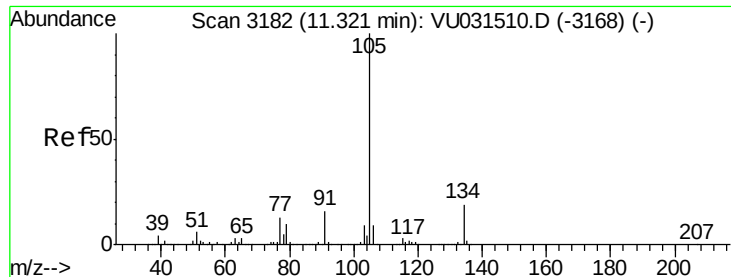
#78  
 1,2,4-Trimethylbenzene  
 Concen: 1.832 ug/l  
 RT: 11.15 min Scan# 3128  
 Delta R.T. 0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion:105 Resp: 124022  
 Ion Ratio Lower Upper  
 105 100  
 120 43.6 21.6 65.0



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





#79

sec-Butylbenzene

Concen: 1.799 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

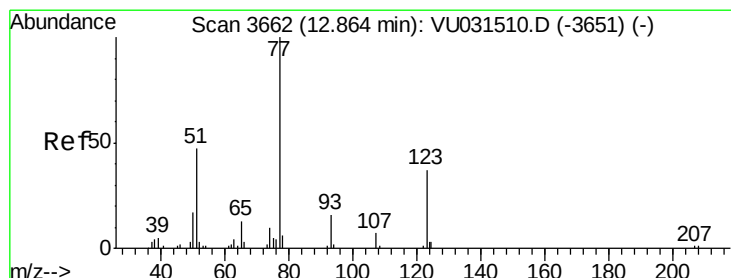
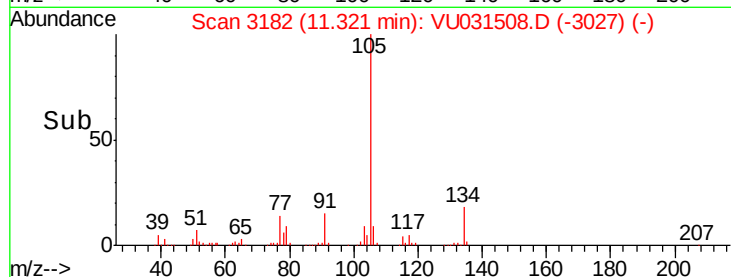
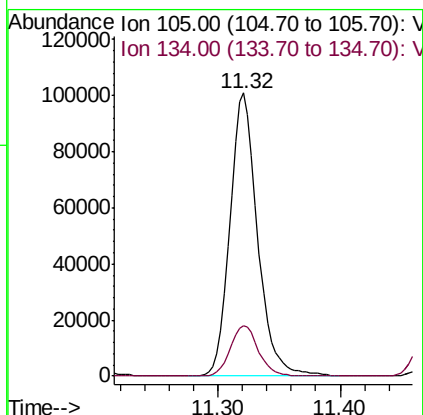
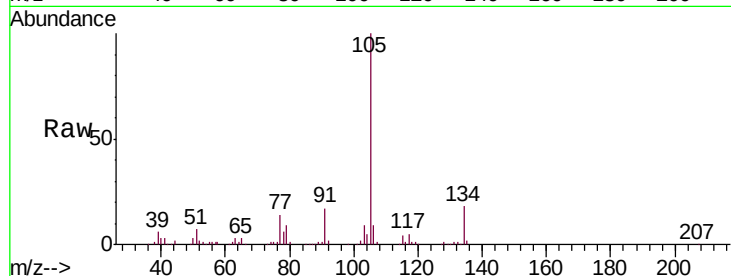
VSTDIC002

Tgt Ion:105 Resp: 158602

Ion Ratio Lower Upper

105 100

134 18.2 15.0 22.6



#80

Nitrobenzene

Concen: 3.361 ug/l

RT: 12.89 min Scan# 3669

Delta R.T. 0.02 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

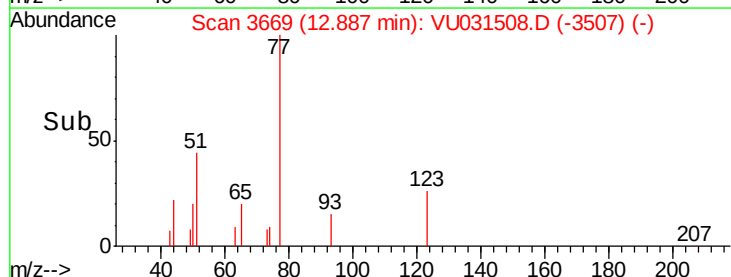
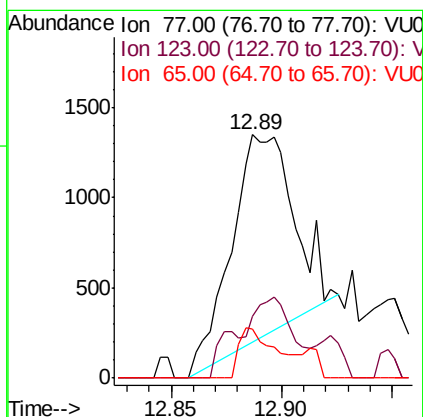
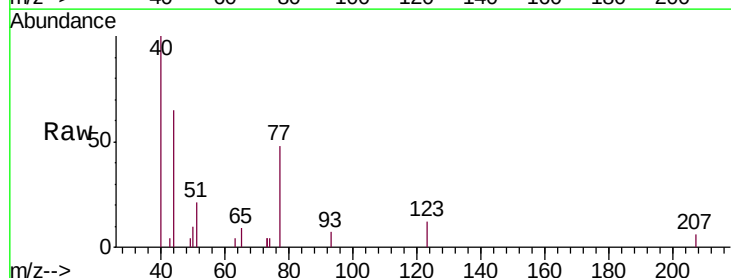
Tgt Ion: 77 Resp: 2220

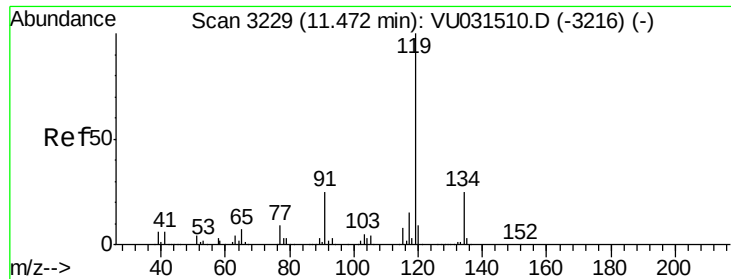
Ion Ratio Lower Upper

77 100

123 7.9 17.2 61.0#

65 9.7 9.7 12.3

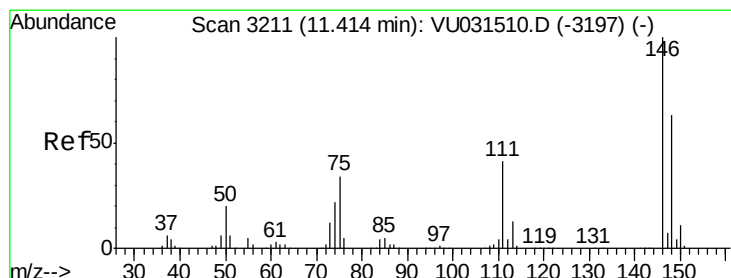
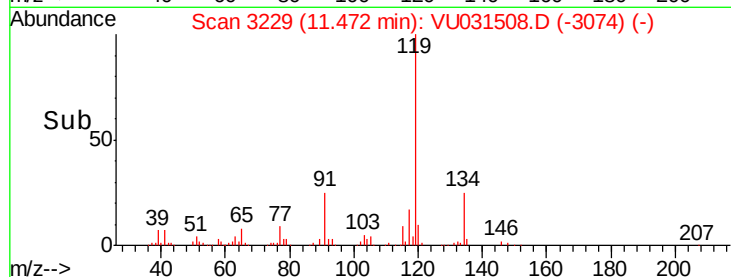
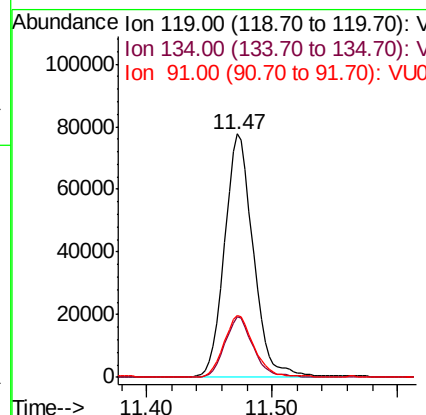
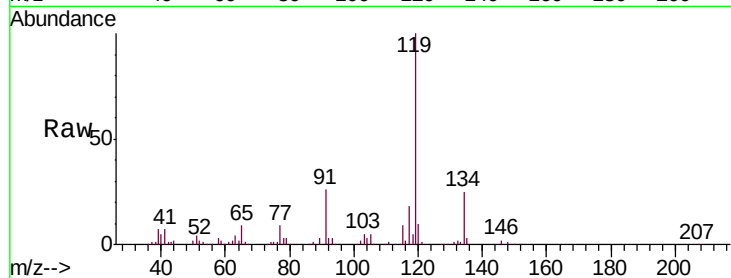




#81  
 p-Isopropyltoluene  
 Concen: 1.722 ug/l  
 RT: 11.47 min Scan# 3229  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

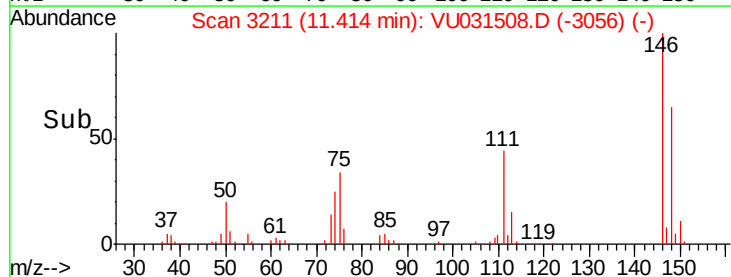
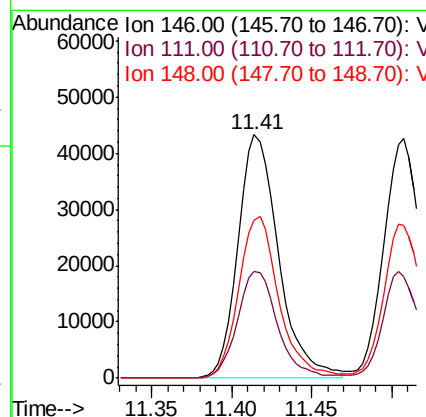
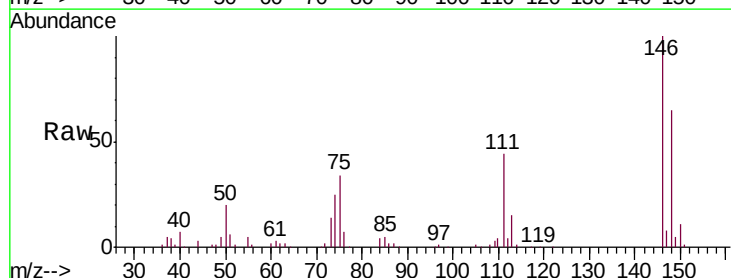
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

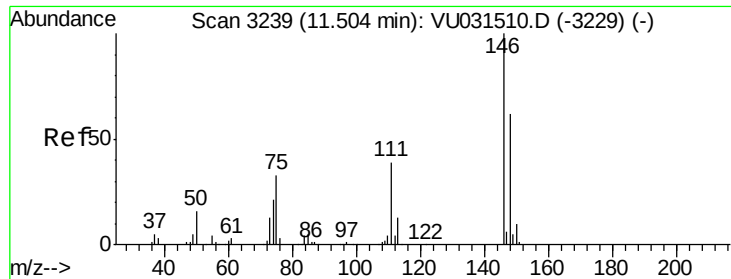
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.0  | 20.3  | 30.5  |
| 91      | 26.6  | 20.3  | 30.5  |



#82  
 1,3-Dichlorobenzene  
 Concen: 1.828 ug/l  
 RT: 11.41 min Scan# 3211  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.3  | 33.4  | 50.0  |
| 148     | 65.6  | 50.2  | 75.4  |

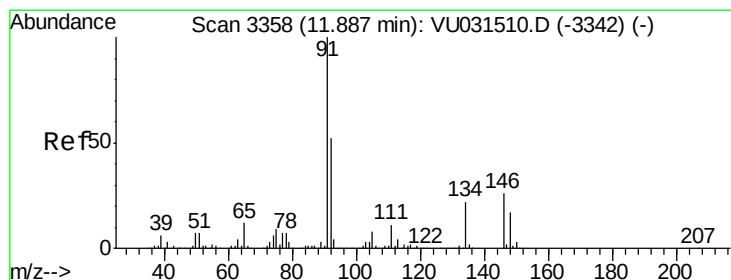
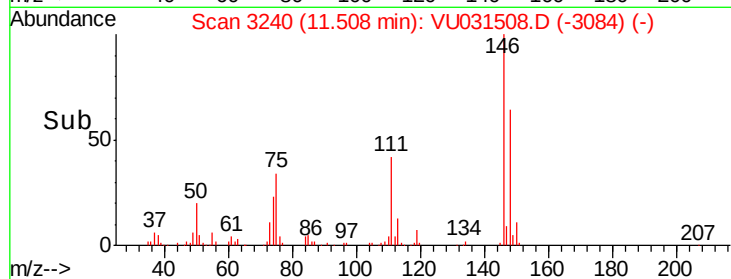
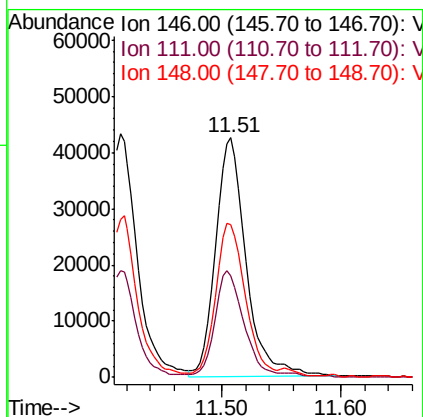
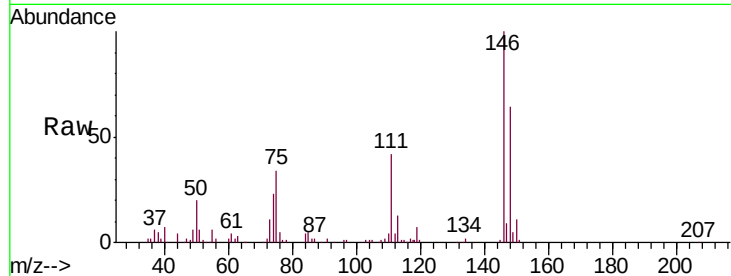




#83  
 1,4-Dichlorobenzene  
 Concen: 1.900 ug/l  
 RT: 11.51 min Scan# 3240  
 Delta R.T. 0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

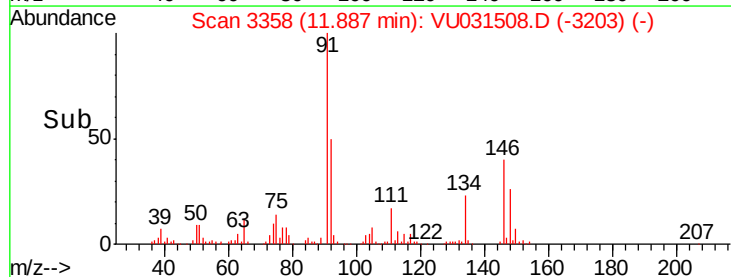
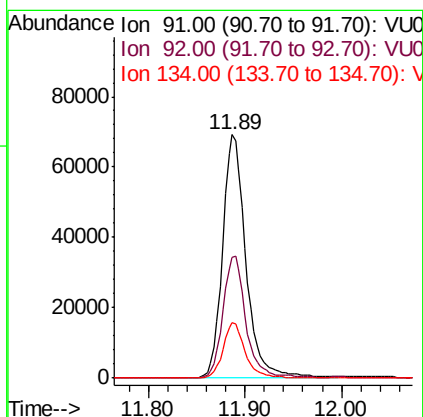
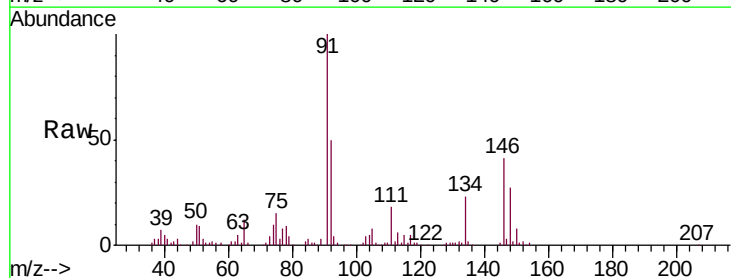
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

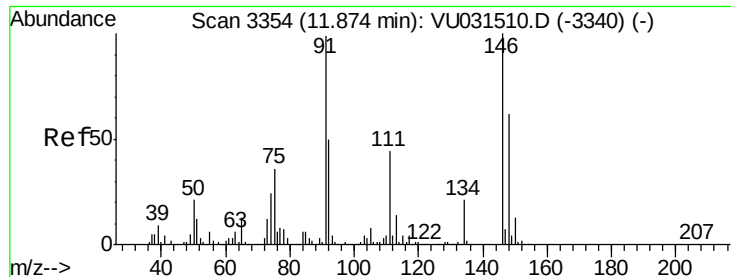
Tgt Ion: 146 Resp: 75322  
 Ion Ratio Lower Upper  
 146 100  
 111 40.0 32.2 48.4  
 148 58.8 51.2 76.8



#84  
 n-Butylbenzene  
 Concen: 1.704 ug/l  
 RT: 11.89 min Scan# 3358  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion: 91 Resp: 116348  
 Ion Ratio Lower Upper  
 91 100  
 92 48.4 41.2 61.8  
 134 21.5 18.1 27.1





#85

1,2-Dichlorobenzene

Concen: 1.917 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC002

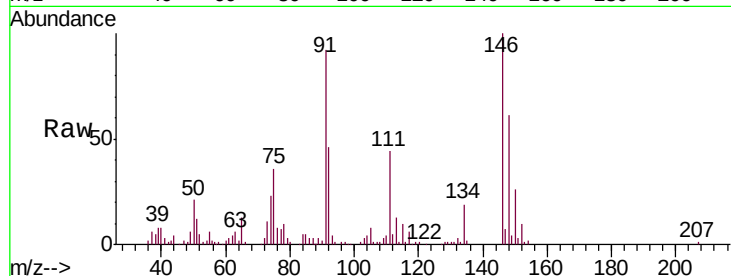
Tgt Ion:146 Resp: 73501

Ion Ratio Lower Upper

146 100

111 43.2 21.7 65.1

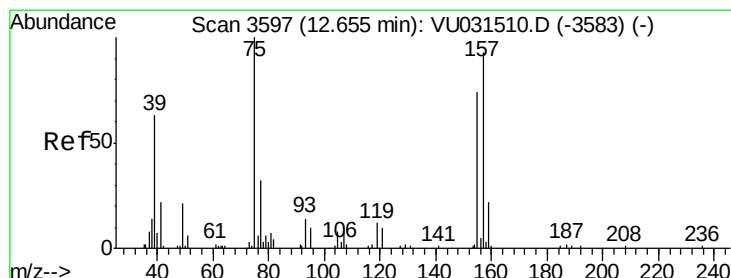
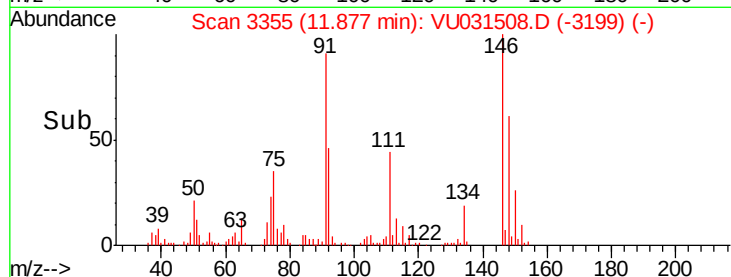
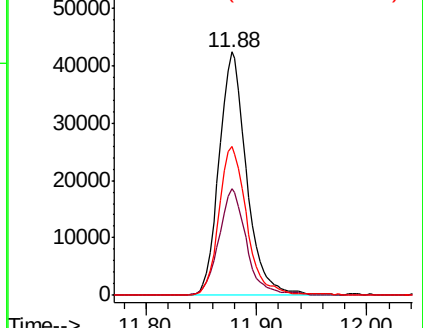
148 61.7 31.6 94.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.959 ug/l

RT: 12.66 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VU031508.D

Acq: 25 Apr 2019 19:23

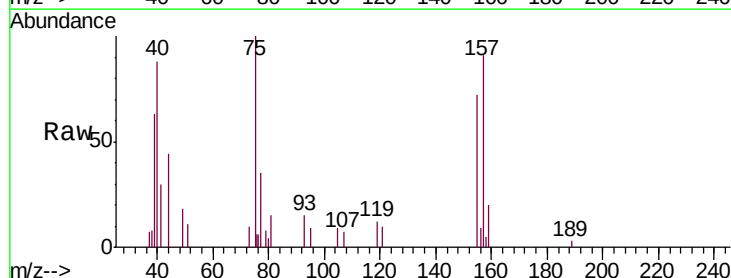
Tgt Ion: 75 Resp: 5793

Ion Ratio Lower Upper

75 100

155 67.6 58.5 87.7

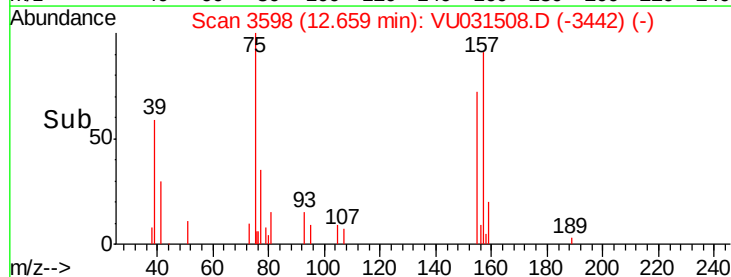
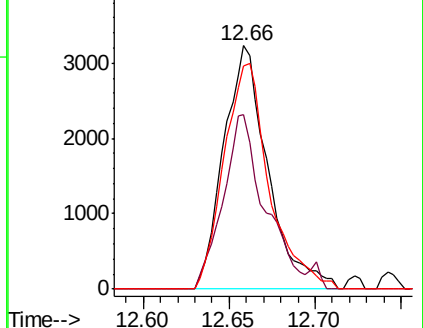
157 94.6 75.0 112.4

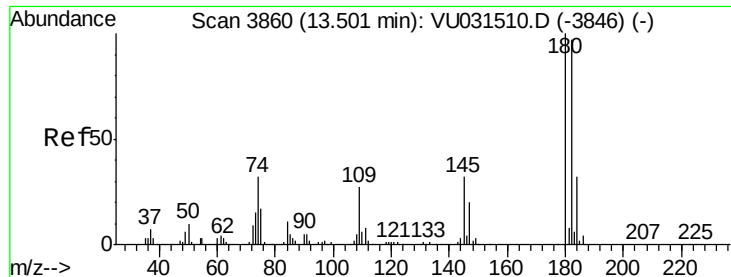


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

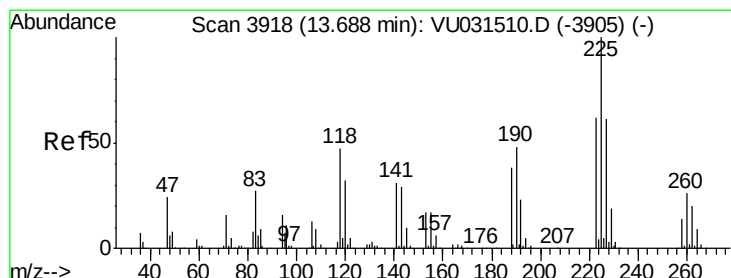
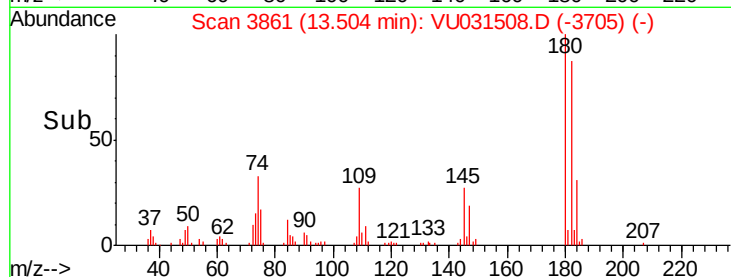
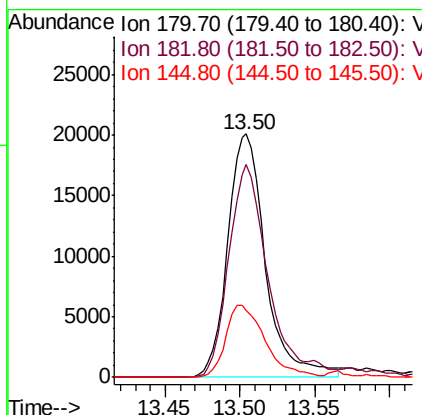
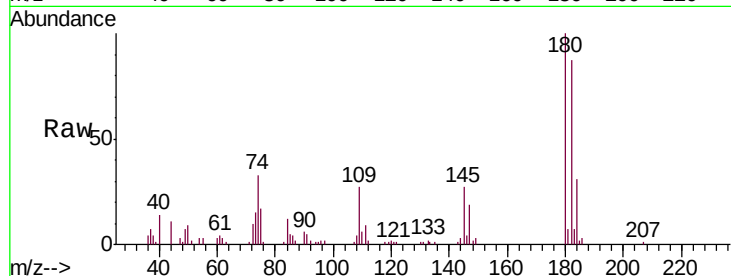




#87  
 1,2,4-Trichlorobenzene  
 Concen: 1.540 ug/l  
 RT: 13.50 min Scan# 3861  
 Delta R.T. 0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC002

Tgt Ion:180 Resp: 35368  
 Ion Ratio Lower Upper  
 180 100  
 182 91.1 75.5 113.3  
 145 30.9 23.9 35.9



#88  
 Hexachlorobutadiene  
 Concen: 1.753 ug/l  
 RT: 13.69 min Scan# 3918  
 Delta R.T. -0.00 min  
 Lab File: VU031508.D  
 Acq: 25 Apr 2019 19:23

Tgt Ion:225 Resp: 27265  
 Ion Ratio Lower Upper  
 225 100  
 223 62.5 50.2 75.4  
 227 59.5 50.4 75.6

