

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\  
 Data File : VU026691.D  
 Acq On : 12 Sep 2018 08:46  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Sep 13 06:48:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U091218W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 05:32:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 138384   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 205079   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 194234   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 115167   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 95351    | 45.42 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.84% |      |
| 35) Dibromofluoromethane    | 4.88   | 113 | 82675    | 49.42 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.84% |      |
| 50) Toluene-d8              | 7.57   | 98  | 302834   | 48.95 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.90% |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 110840   | 49.43 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.86% |      |

| Target Compounds              | R.T. | QIon | Response | Conc   | Units | Qvalue |
|-------------------------------|------|------|----------|--------|-------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85   | 67495    | 45.14  | ug/l  | 100    |
| 3) Chloromethane              | 1.33 | 50   | 89877    | 43.03  | ug/l  | 98     |
| 4) Vinyl Chloride             | 1.40 | 62   | 97869    | 45.21  | ug/l  | 100    |
| 5) Bromomethane               | 1.61 | 94   | 57066    | 42.09  | ug/l  | 99     |
| 6) Chloroethane               | 1.69 | 64   | 61283    | 44.48  | ug/l  | 99     |
| 7) Trichlorofluoromethane     | 1.88 | 101  | 126993   | 44.88  | ug/l  | 99     |
| 8) Diethyl Ether              | 2.10 | 74   | 56508    | 45.57  | ug/l  | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101  | 80013    | 47.61  | ug/l  | 98     |
| 10) Methyl Iodide             | 2.41 | 142  | 69437    | 46.05  | ug/l  | 98     |
| 11) Tert butyl alcohol        | 2.83 | 59   | 103420   | 202.12 | ug/l  | 99     |
| 12) 1,1-Dichloroethene        | 2.28 | 96   | 75538    | 47.55  | ug/l  | 97     |
| 13) Acrolein                  | 2.19 | 56   | 63851    | 185.17 | ug/l  | 100    |
| 14) Allyl chloride            | 2.59 | 41   | 130517   | 45.61  | ug/l  | 97     |
| 15) Acrylonitrile             | 2.94 | 53   | 256955   | 234.16 | ug/l  | 100    |
| 16) Acetone                   | 2.32 | 43   | 249848   | 210.22 | ug/l  | 99     |
| 17) Carbon Disulfide          | 2.47 | 76   | 220396   | 43.60  | ug/l  | 99     |
| 18) Methyl Acetate            | 2.61 | 43   | 118274   | 46.12  | ug/l  | 97     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73   | 265593   | 48.55  | ug/l  | 98     |
| 20) Methylene Chloride        | 2.70 | 84   | 87890    | 45.59  | ug/l  | 98     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96   | 79082    | 47.25  | ug/l  | 96     |
| 22) Diisopropyl ether         | 3.57 | 45   | 284107   | 47.57  | ug/l  | 98     |
| 23) Vinyl Acetate             | 3.52 | 43   | 1211855  | 238.89 | ug/l  | 99     |
| 24) 1,1-Dichloroethane        | 3.44 | 63   | 156413   | 46.43  | ug/l  | 99     |
| 25) 2-Butanone                | 4.26 | 43   | 360941   | 225.45 | ug/l  | 98     |
| 26) 2,2-Dichloropropane       | 4.22 | 77   | 128186   | 46.29  | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene    | 4.22 | 96   | 91784    | 47.58  | ug/l  | 98     |
| 28) Bromochloromethane        | 4.55 | 49   | 73852    | 45.84  | ug/l  | 94     |
| 29) Tetrahydrofuran           | 4.64 | 42   | 219489   | 227.40 | ug/l  | 97     |
| 30) Chloroform                | 4.67 | 83   | 152832   | 46.13  | ug/l  | 100    |
| 31) Cyclohexane               | 5.00 | 56   | 141965   | 46.13  | ug/l  | 100    |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97   | 131763   | 48.04  | ug/l  | 97     |
| 36) 1,1-Dichloropropene       | 5.14 | 75   | 117402   | 50.99  | ug/l  | 99     |
| 37) Ethyl Acetate             | 4.38 | 43   | 128022   | 46.24  | ug/l  | 98     |
| 38) Carbon Tetrachloride      | 5.13 | 117  | 116173   | 47.76  | ug/l  | 98     |

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 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Sep 13 06:48:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U091218W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 12 05:32:45 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 141581   | 51.79  | ug/l   | 99       |
| 40) Benzene                    | 5.39  | 78   | 348654   | 48.76  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.54  | 41   | 71725    | 46.03  | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.40  | 62   | 120262   | 47.17  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 209537   | 49.70  | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 88781    | 50.17  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 6.43  | 63   | 96020    | 49.40  | ug/l   | 97       |
| 46) Dibromomethane             | 6.56  | 93   | 62028    | 49.45  | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.76  | 83   | 119801   | 48.50  | ug/l   | 99       |
| 48) Methyl methacrylate        | 6.62  | 41   | 104188   | 45.34  | ug/l   | 97       |
| 49) 1,4-Dioxane                | 6.61  | 88   | 46710    | 887.69 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 671171   | 238.00 | ug/l   | 99       |
| 52) Toluene                    | 7.64  | 92   | 214794   | 50.43  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 137023   | 50.01  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 147572   | 50.16  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 88536    | 48.51  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 138648   | 45.38  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 153007   | 49.19  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 337573   | 231.28 | ug/l   | 98       |
| 59) 2-Hexanone                 | 8.36  | 43   | 520089   | 234.34 | ug/l   | 98       |
| 60) Dibromochloromethane       | 8.48  | 129  | 97535    | 49.35  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 96777    | 48.87  | ug/l   | 98       |
| 64) Tetrachloroethene          | 8.23  | 164  | 78975    | 51.09  | ug/l   | 98       |
| 65) Chlorobenzene              | 9.12  | 112  | 241024   | 49.95  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 87992    | 49.56  | ug/l   | 99       |
| 67) Ethyl Benzene              | 9.25  | 91   | 414751   | 52.18  | ug/l   | 100      |
| 68) m/p-Xylenes                | 9.38  | 106  | 321126   | 106.20 | ug/l   | 99       |
| 69) o-Xylene                   | 9.78  | 106  | 156095   | 48.36  | ug/l   | 99       |
| 70) Styrene                    | 9.79  | 104  | 259083   | 47.69  | ug/l   | 100      |
| 71) Bromoform                  | 9.96  | 173  | 79616    | 51.56  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.17 | 105  | 417663   | 53.22  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.02 | 43   | 190518   | 51.42  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 148950   | 46.57  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 171713   | 66.56  | ug/l   | 81       |
| 77) Bromobenzene               | 10.45 | 156  | 108738   | 50.98  | ug/l   | 98       |
| 78) n-propylbenzene            | 10.59 | 91   | 494426   | 54.17  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 289923   | 51.24  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 354479   | 53.74  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.49 | 75   | 171713   | 144.73 | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 335500   | 52.77  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 353004   | 52.73  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 361208   | 54.29  | ug/l   | 100      |
| 85) sec-Butylbenzene           | 11.33 | 105  | 432366   | 54.39  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 384509   | 50.30  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 198628   | 49.92  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 201398   | 48.74  | ug/l   | 100      |
| 89) n-Butylbenzene             | 11.89 | 91   | 344140   | 49.12  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.15 | 117  | 69389    | 49.46  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 198229   | 49.52  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 32372    | 50.48  | ug/l   | 96       |

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Acq On : 12 Sep 2018 08:46  
Operator : MD/SY  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 17 Sample Multiplier: 1

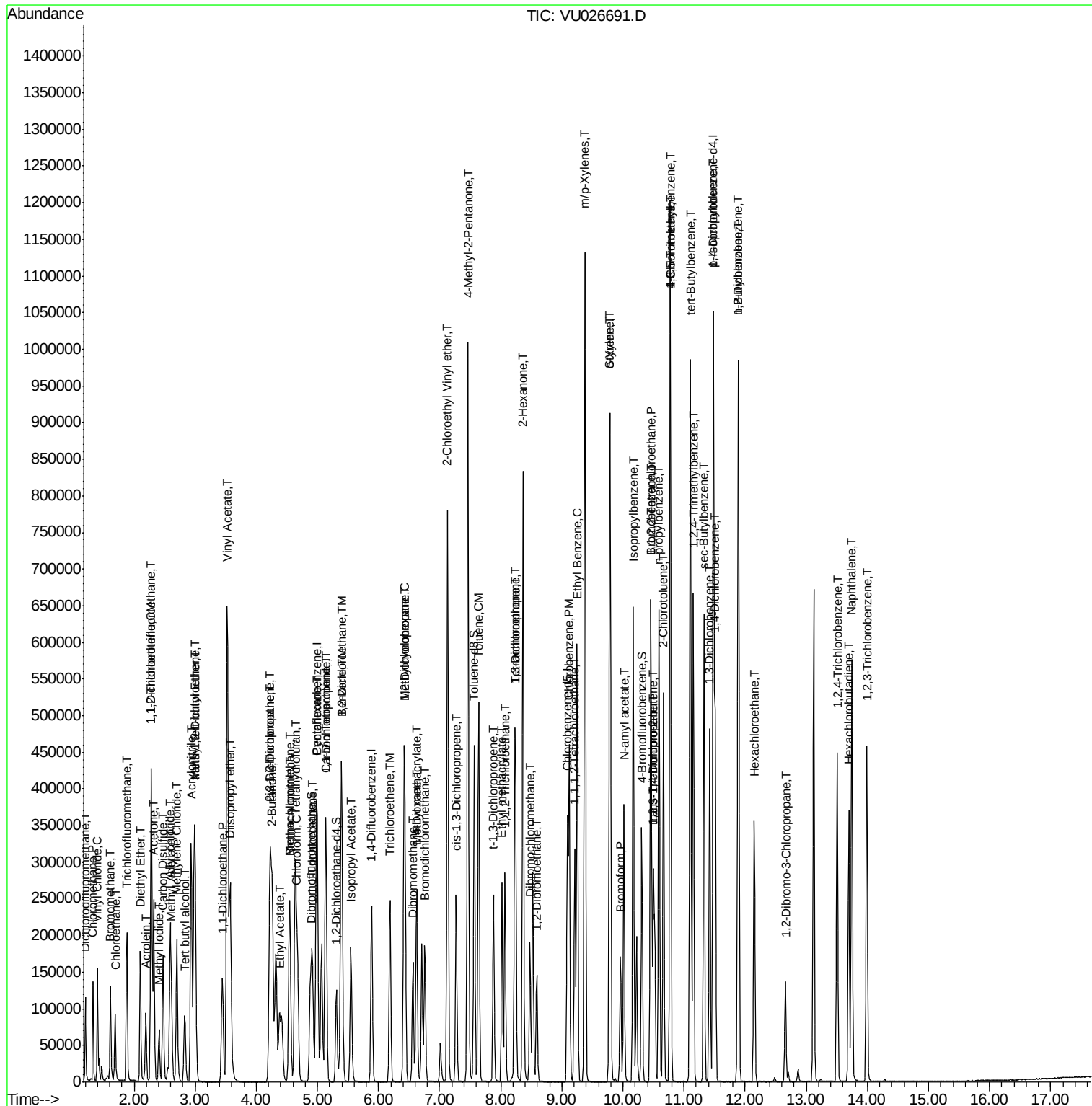
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

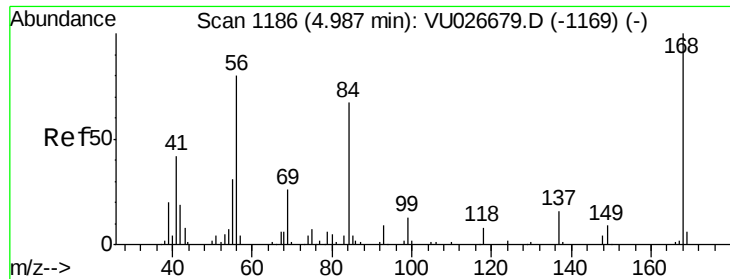
Quant Time: Sep 13 06:48:04 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U091218W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 12 05:32:45 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.50 | 180  | 145178   | 54.62 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 71626    | 52.38 | ug/l  | 99       |
| 95) Naphthalene            | 13.74 | 128  | 450358   | 50.36 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 151140   | 54.44 | ug/l  | 99       |

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U091218W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 12 05:32:45 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

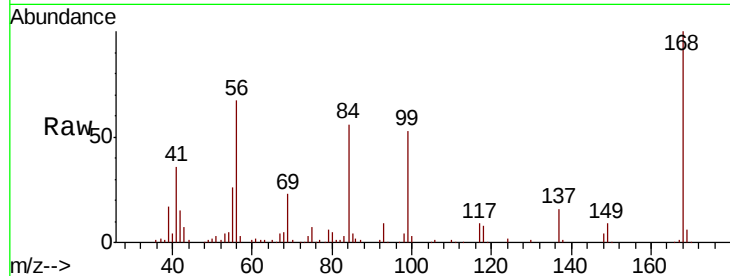
VSTDCCC050

Tot Ion:168 Resp: 138384

Ion Ratio Lower Upper

168 100

99 52.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU026691.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026691.D (-1169) (-)

4.98

60000

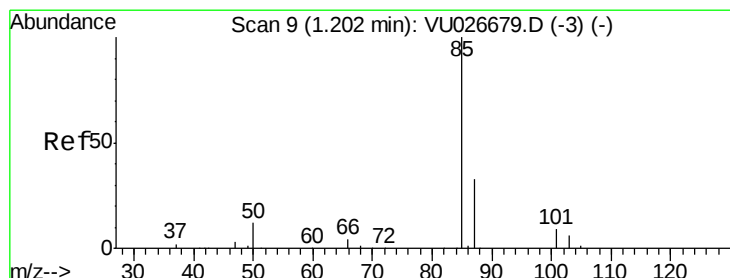
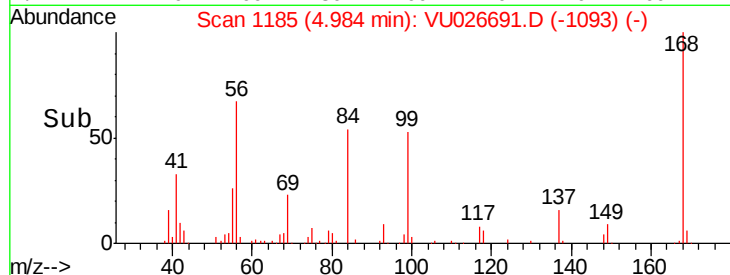
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.14 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU026691.D

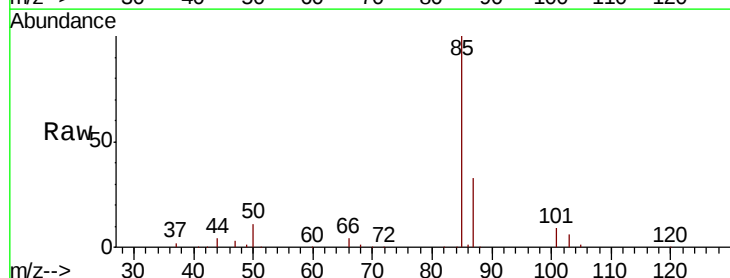
Acq: 12 Sep 2018 08:46

Tgt Ion: 85 Resp: 67495

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VU026691.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU026691.D (-3) (-)

1.20

60000

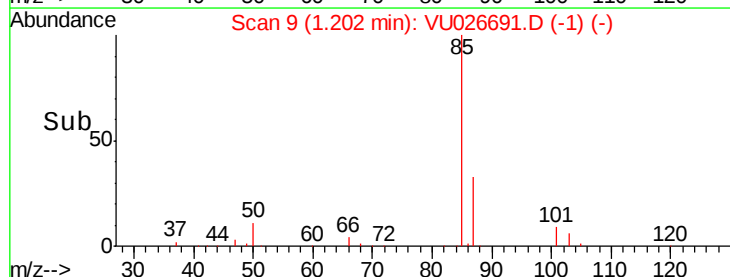
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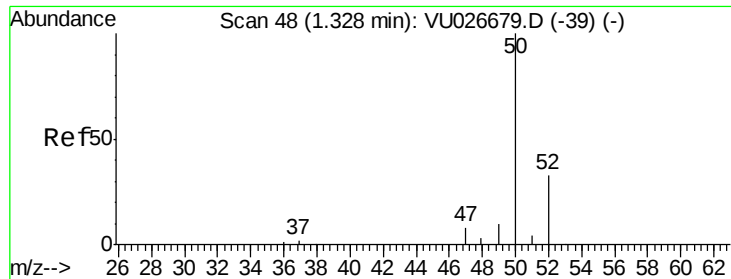
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1.15 1.20 1.25

Time-->

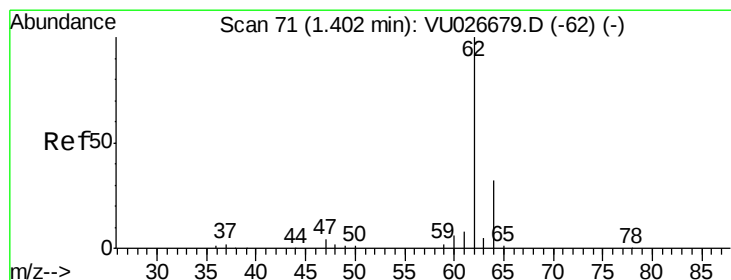
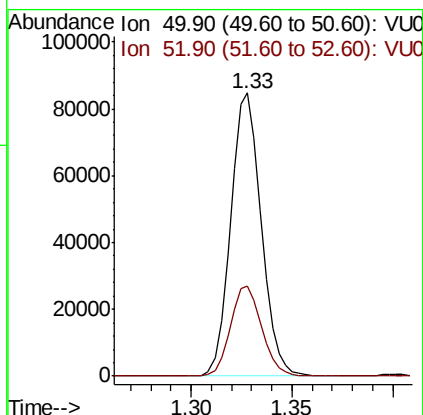
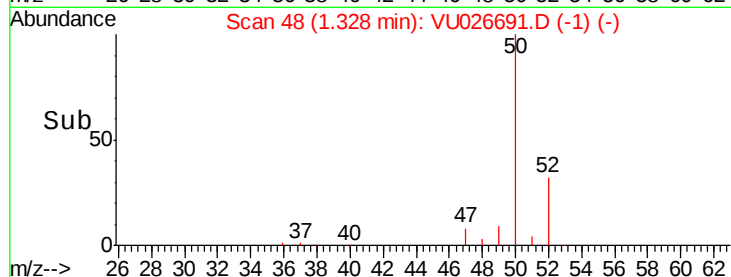
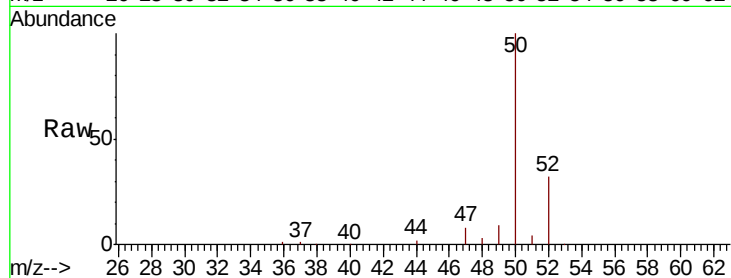




#3  
Chloromethane  
Concen: 43.03 ug/l  
RT: 1.33 min Scan# 48  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

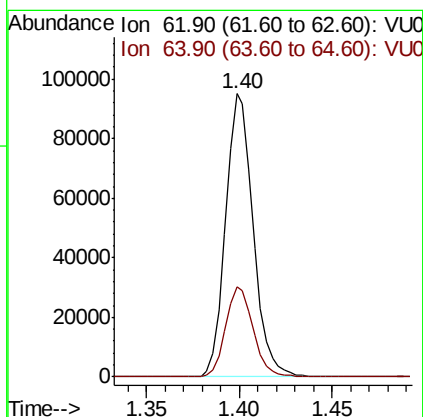
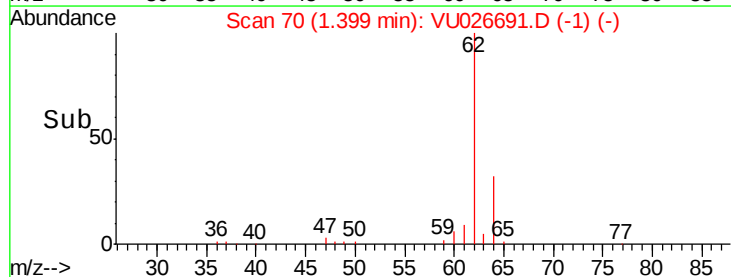
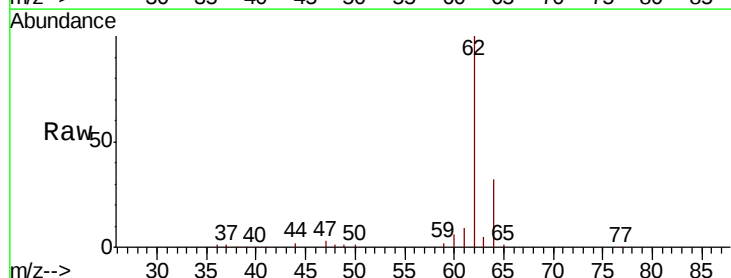
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

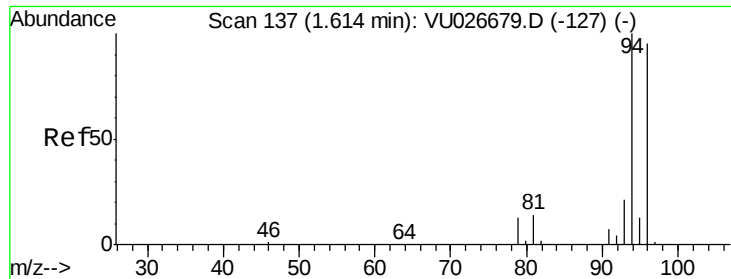
Tot Ion: 50 Resp: 89877  
Ion Ratio Lower Upper  
50 100  
52 31.9 26.3 39.5



#4  
Vinyl Chloride  
Concen: 45.21 ug/l  
RT: 1.40 min Scan# 70  
Delta R.T. -0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 62 Resp: 97869  
Ion Ratio Lower Upper  
62 100  
64 32.0 25.6 38.4

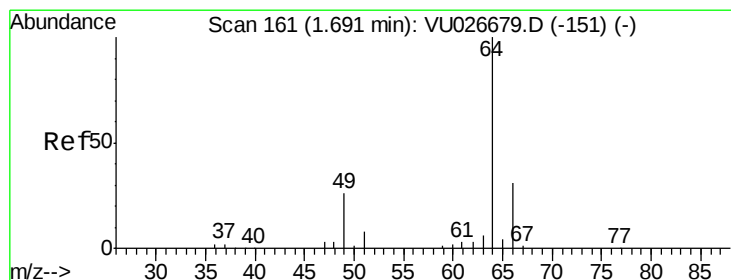
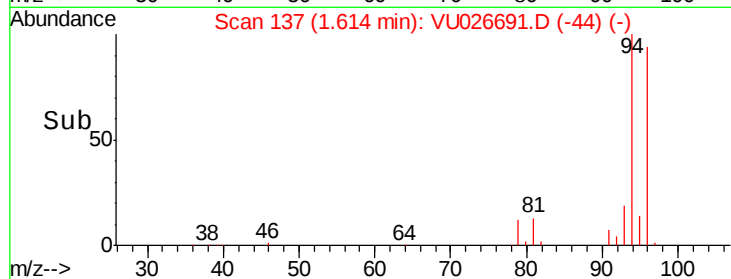
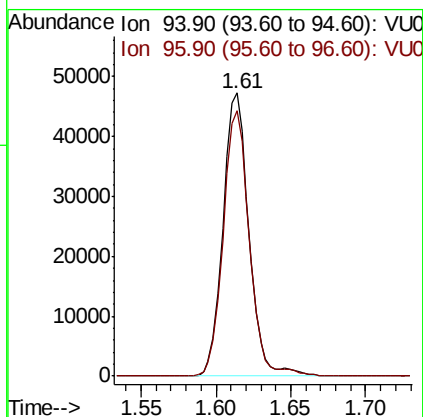
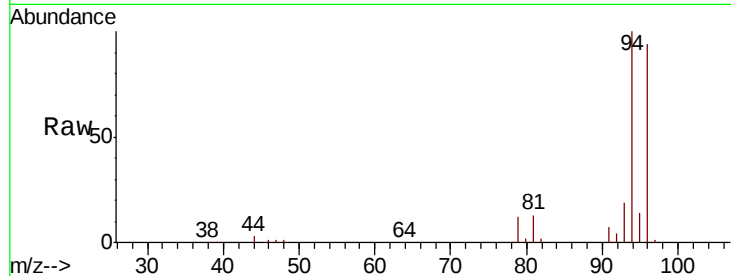




#5  
Bromomethane  
Concen: 42.09 ug/l  
RT: 1.61 min Scan# 137  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

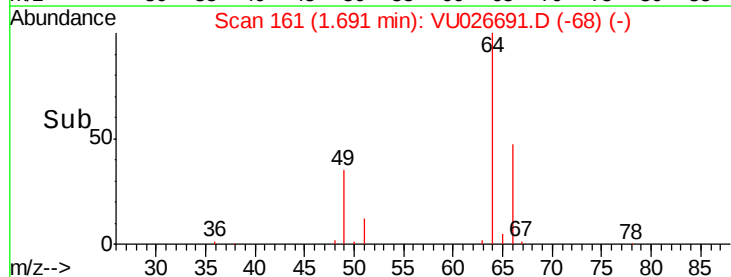
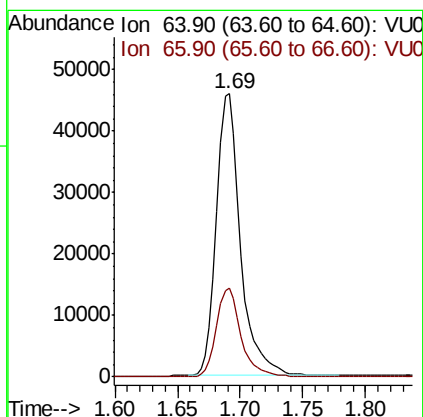
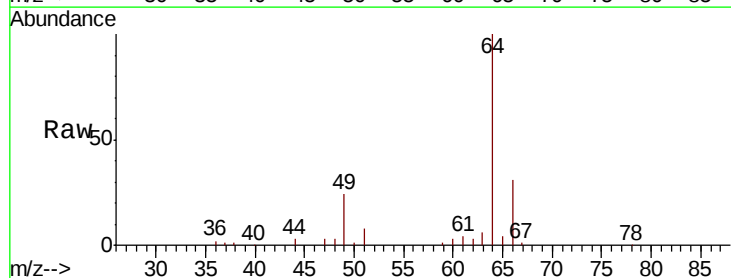
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

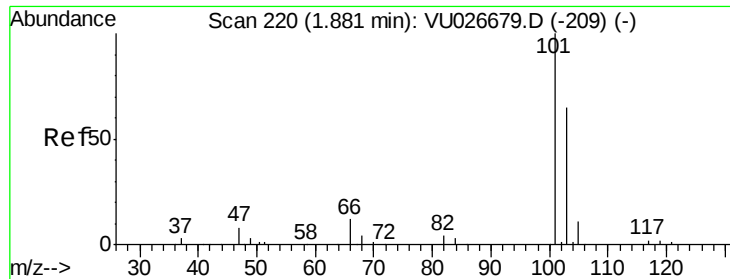
Tot Ion: 94 Resp: 57066  
Ion Ratio Lower Upper  
94 100  
96 93.6 75.8 113.6



#6  
Chloroethane  
Concen: 44.48 ug/l  
RT: 1.69 min Scan# 161  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 64 Resp: 61283  
Ion Ratio Lower Upper  
64 100  
66 31.5 24.7 37.1



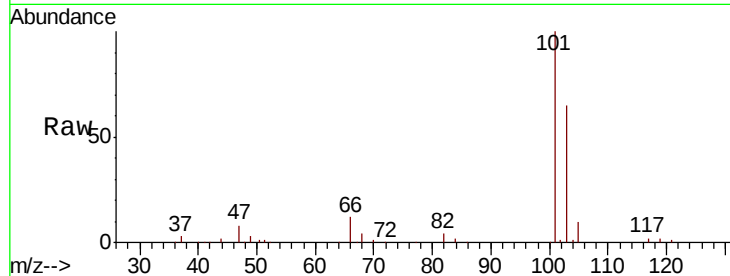


#7

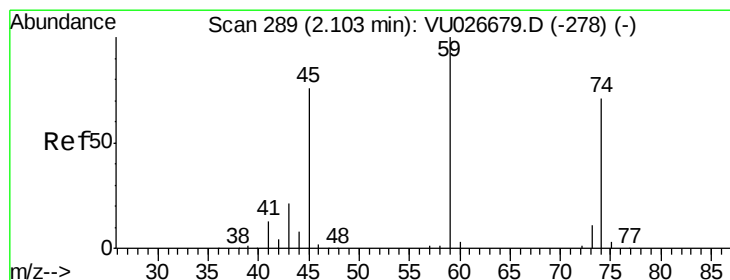
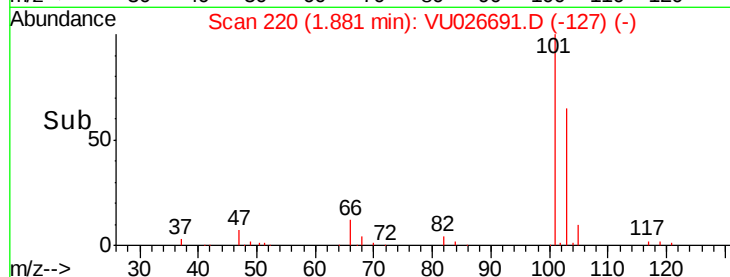
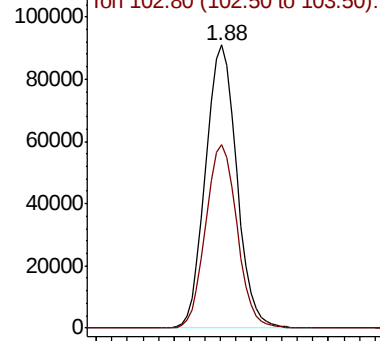
Trichlorofluoromethane  
 Concen: 44.88 ug/l  
 RT: 1.88 min Scan# 220  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:101 Resp: 126993  
 Ion Ratio Lower Upper  
 101 100  
 103 65.0 51.7 77.5



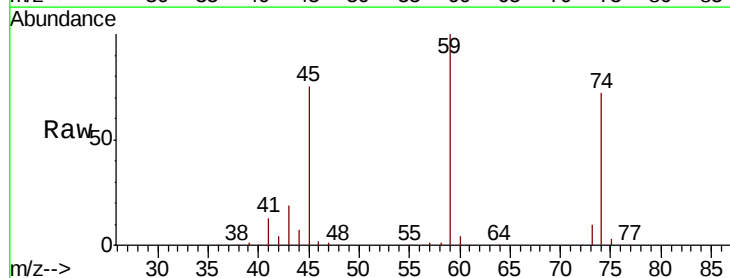
Abundance Ion 100.90 (100.60 to 101.60): V  
 Ion 102.80 (102.50 to 103.50): V



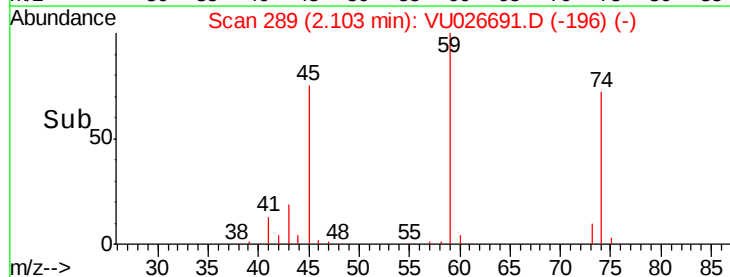
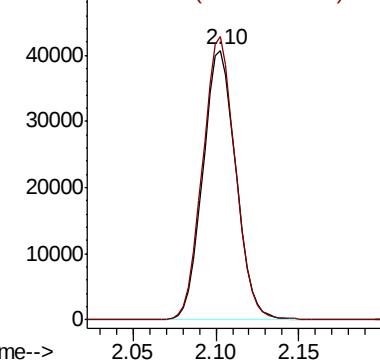
#8

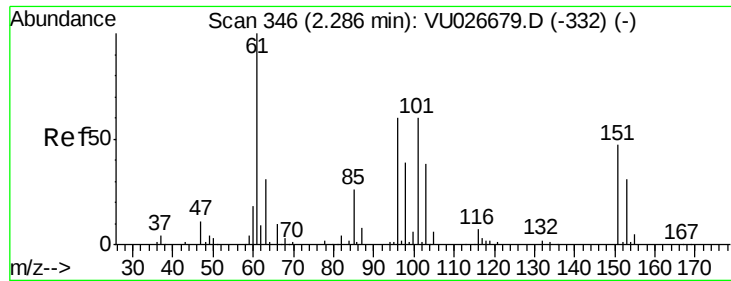
Diethyl Ether  
 Concen: 45.57 ug/l  
 RT: 2.10 min Scan# 289  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Tgt Ion: 74 Resp: 56508  
 Ion Ratio Lower Upper  
 74 100  
 45 104.5 53.6 160.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.61 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

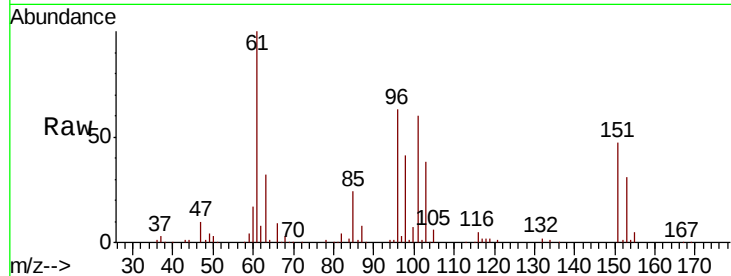
Tot Ion:101 Resp: 80013

Ion Ratio Lower Upper

101 100

85 41.5 34.6 52.0

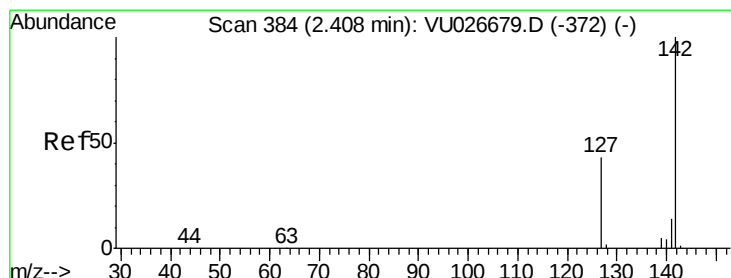
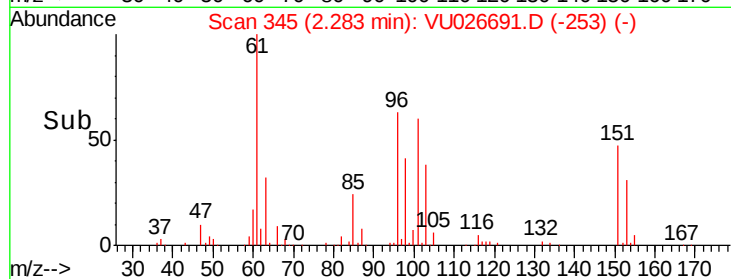
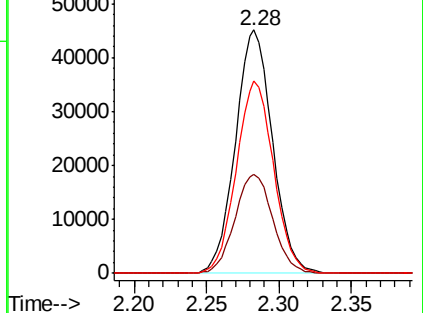
151 79.6 62.7 94.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.05 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

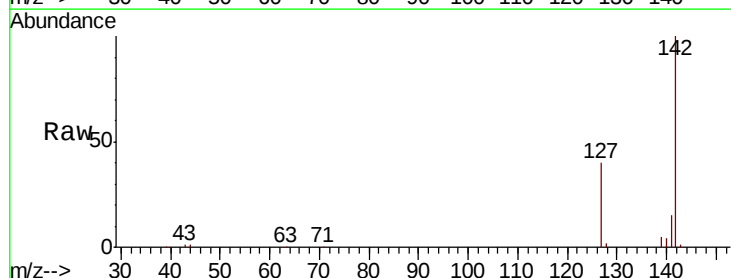
Tgt Ion:142 Resp: 69437

Ion Ratio Lower Upper

142 100

127 40.7 34.1 51.1

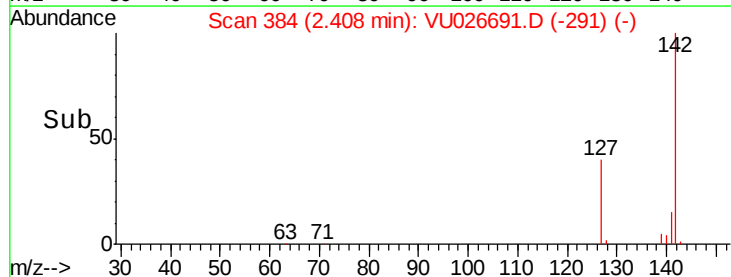
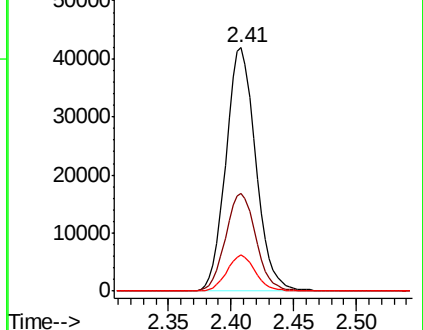
141 14.0 11.2 16.8

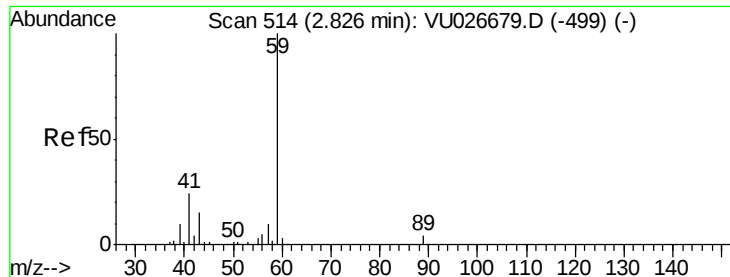


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

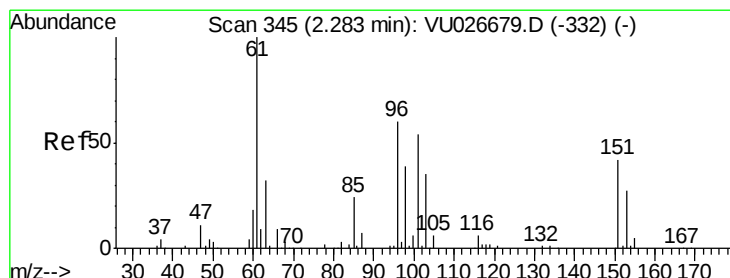
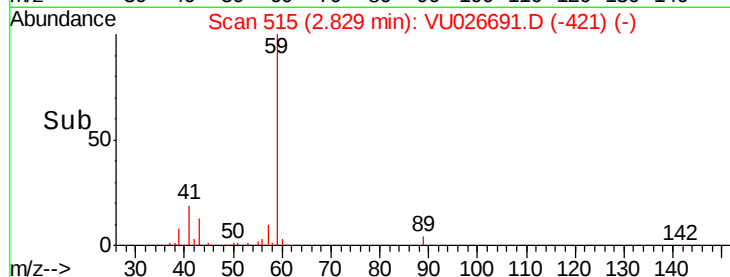
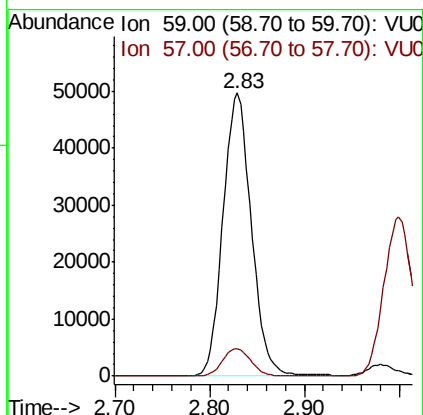
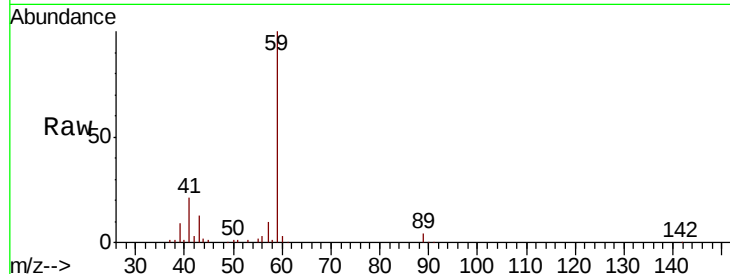




#11  
Tert butyl alcohol  
Concen: 202.12 ug/l  
RT: 2.83 min Scan# 515  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

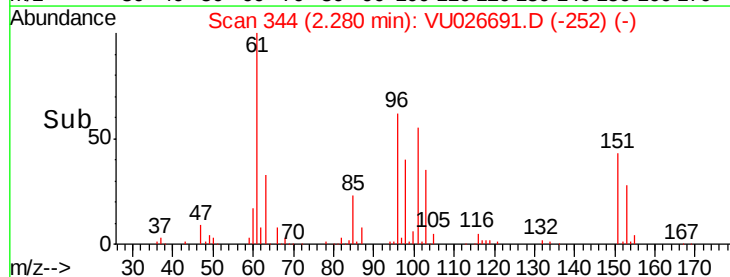
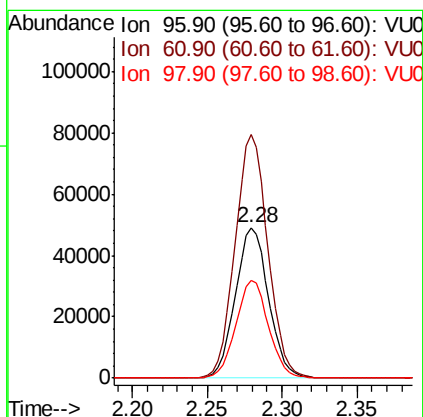
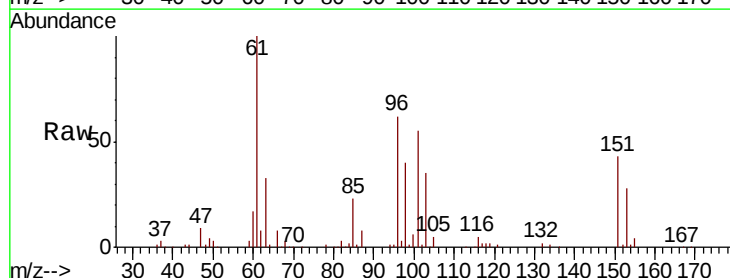
Instrument :  
MSVOA\_U  
ClientSampled :  
VSTDCCC050

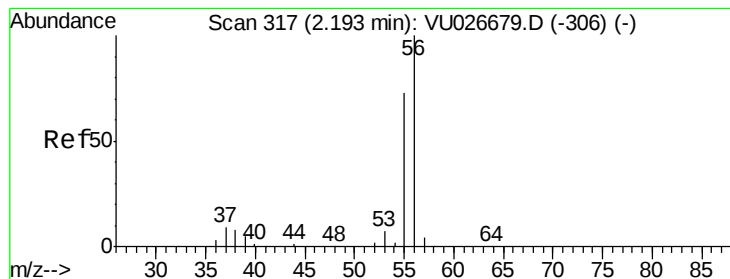
Tot Ion: 59 Resp: 103420  
Ion Ratio Lower Upper  
59 100  
57 9.8 8.0 12.0



#12  
1,1-Dichloroethene  
Concen: 47.55 ug/l  
RT: 2.28 min Scan# 344  
Delta R.T. -0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 96 Resp: 75538  
Ion Ratio Lower Upper  
96 100  
61 161.9 133.0 199.6  
98 65.4 51.3 76.9





#13

Acrolein

Concen: 185.17 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

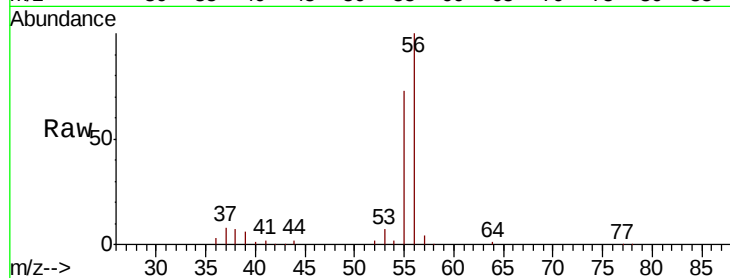
VSTDCCC050

Tot Ion: 56 Resp: 63851

Ion Ratio Lower Upper

56 100

55 71.7 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

40000

30000

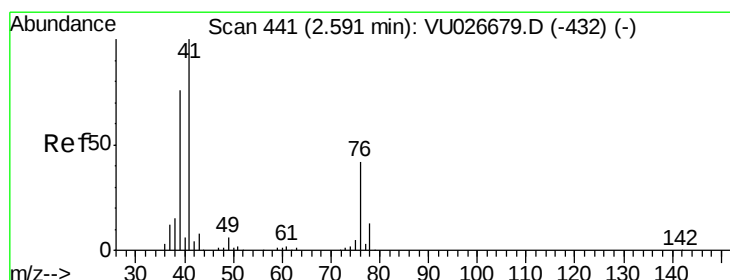
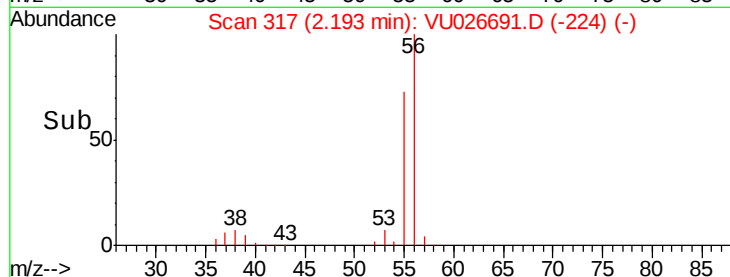
20000

10000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 45.61 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

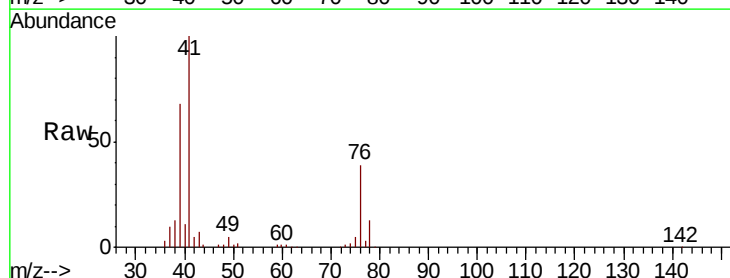
Tgt Ion: 41 Resp: 130517

Ion Ratio Lower Upper

41 100

39 67.4 56.9 85.3

76 37.0 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

2.59

100000

80000

60000

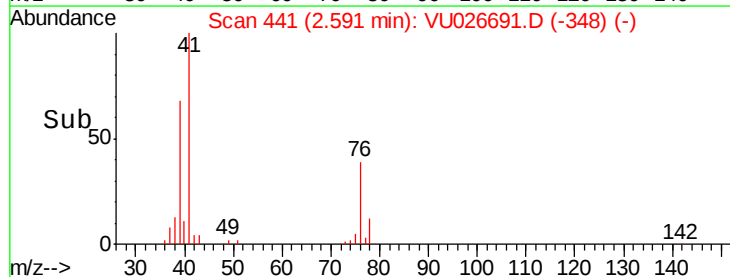
40000

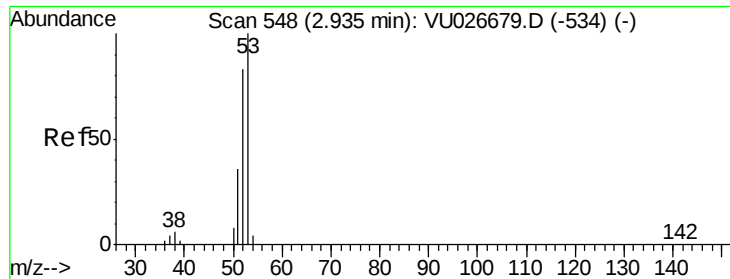
20000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 234.16 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

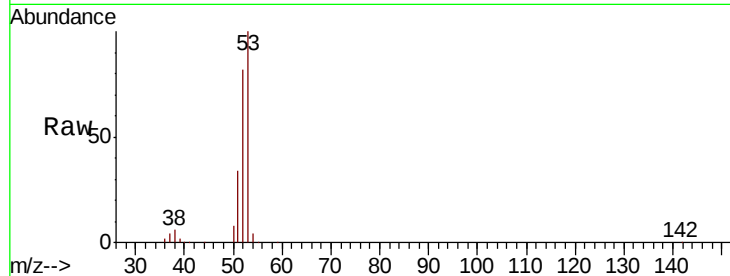
Tot Ion: 53 Resp: 256955

Ion Ratio Lower Upper

53 100

52 82.0 65.8 98.8

51 34.2 27.7 41.5



Abundance Ion 53.00 (52.70 to 53.70): VU026691.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VU026691.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VU026691.D (-534) (-)

2.94

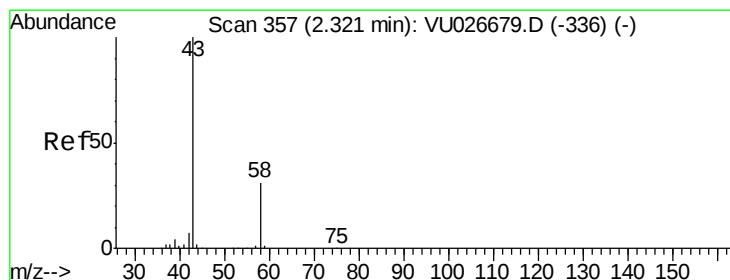
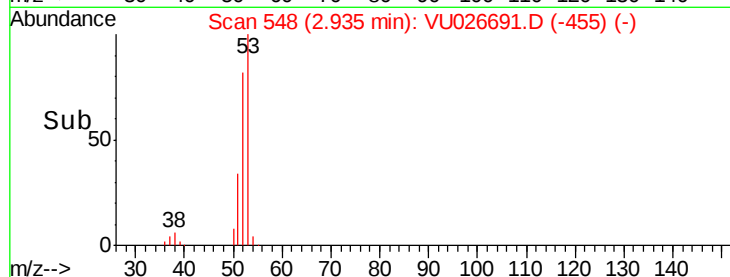
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 210.22 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU026691.D

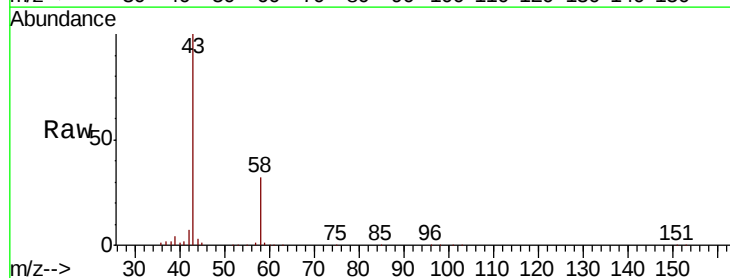
Acq: 12 Sep 2018 08:46

Tgt Ion: 43 Resp: 249848

Ion Ratio Lower Upper

43 100

58 31.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VU026691.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU026691.D (-336) (-)

2.32

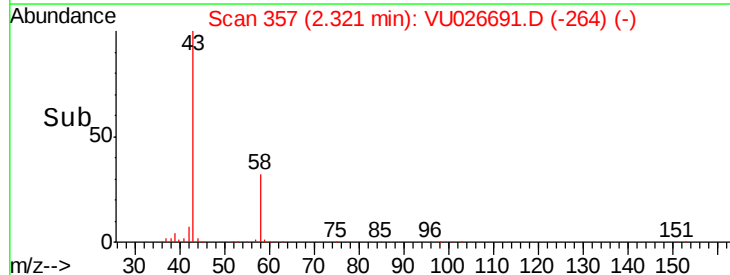
150000

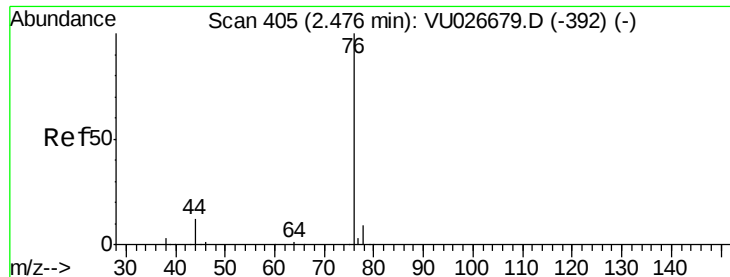
100000

50000

0

Time-->

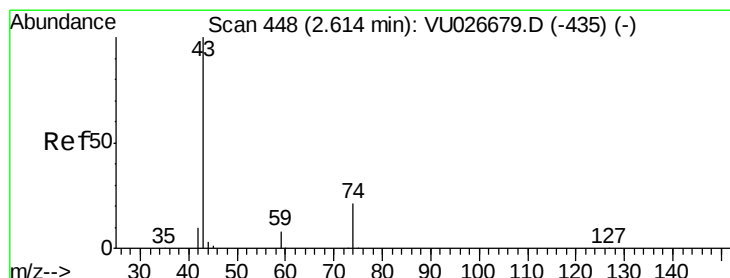
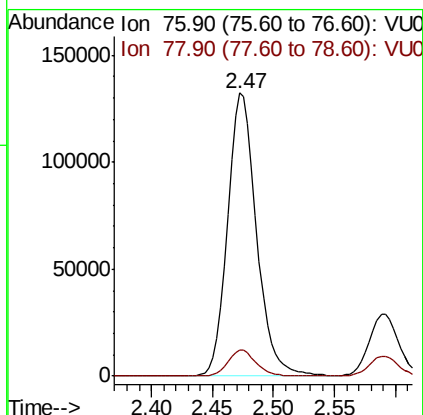
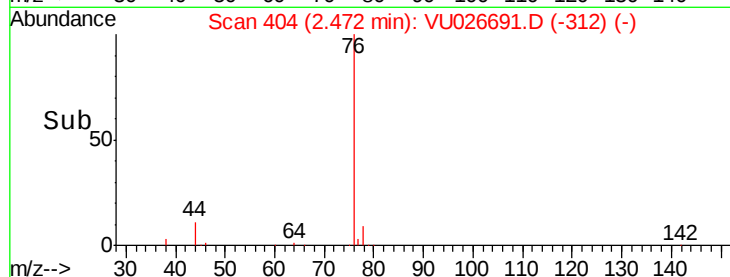
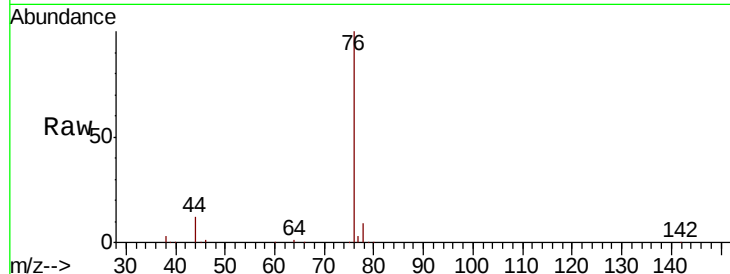




#17  
Carbon Disulfide  
Concen: 43.60 ug/l  
RT: 2.47 min Scan# 404  
Delta R.T. -0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

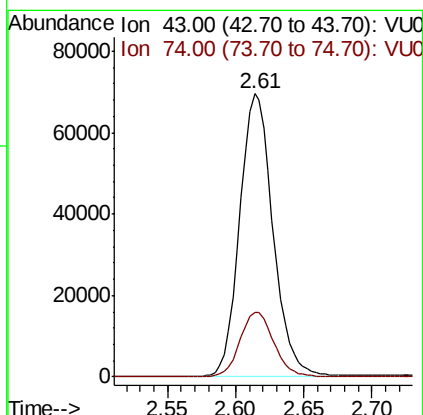
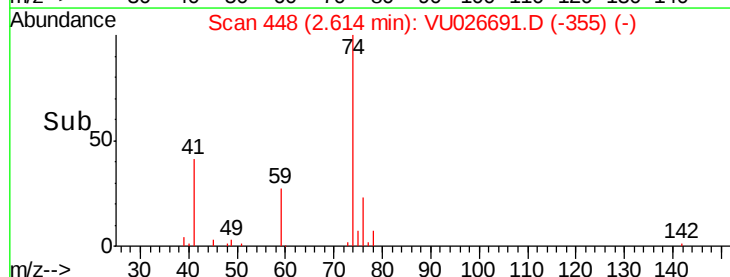
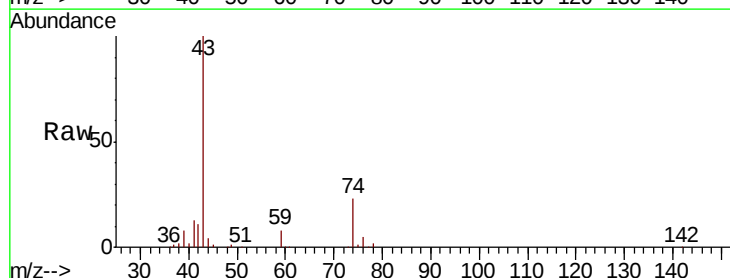
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

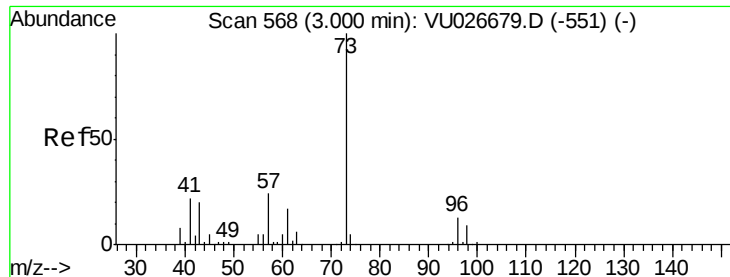
Tot Ion: 76 Resp: 220396  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.6



#18  
Methyl Acetate  
Concen: 46.12 ug/l  
RT: 2.61 min Scan# 448  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 43 Resp: 118274  
Ion Ratio Lower Upper  
43 100  
74 23.4 17.7 26.5

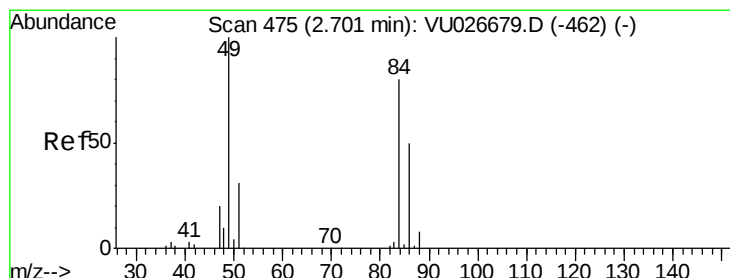
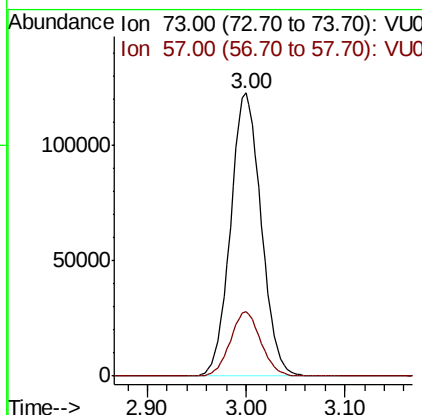
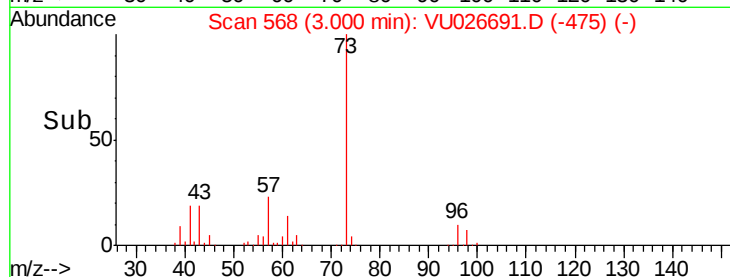
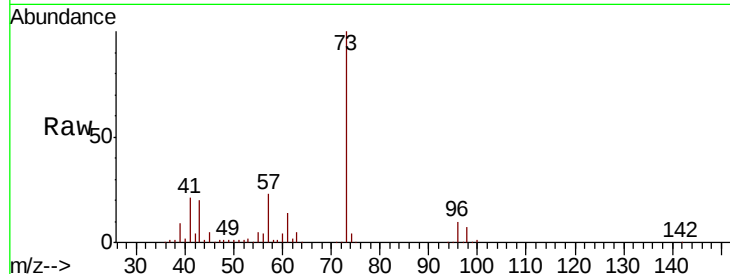




#19  
Methvl tert-butvl Ether  
Concen: 48.55 ug/l  
RT: 3.00 min Scan# 568  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

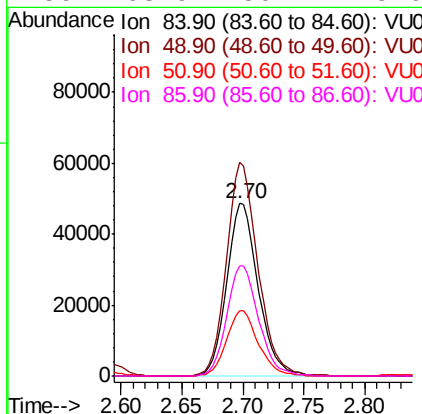
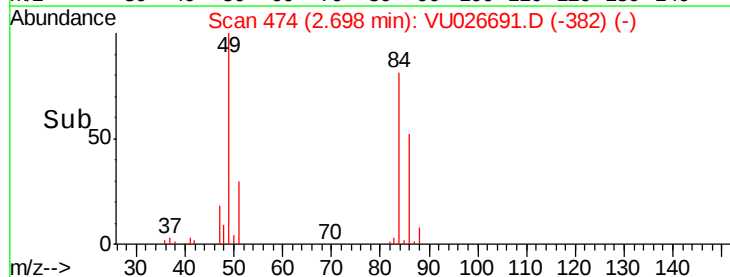
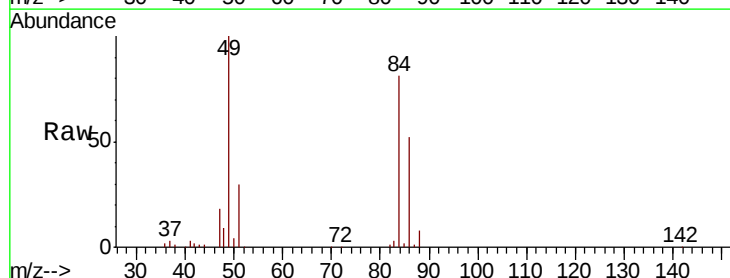
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

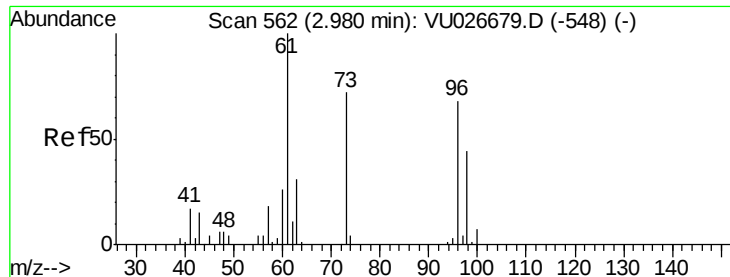
Tot Ion: 73 Resp: 265593  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.9 28.3



#20  
Methylene Chloride  
Concen: 45.59 ug/l  
RT: 2.70 min Scan# 474  
Delta R.T. -0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 84 Resp: 87890  
Ion Ratio Lower Upper  
84 100  
49 123.6 100.6 151.0  
51 37.5 30.9 46.3  
86 63.9 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 47.25 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

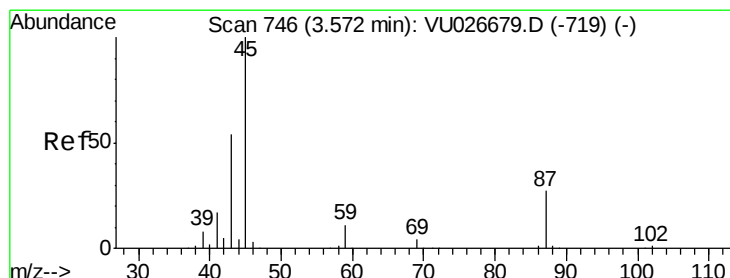
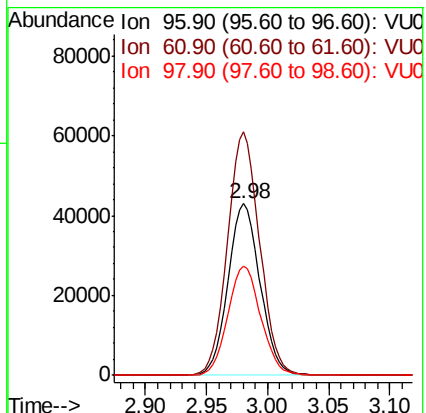
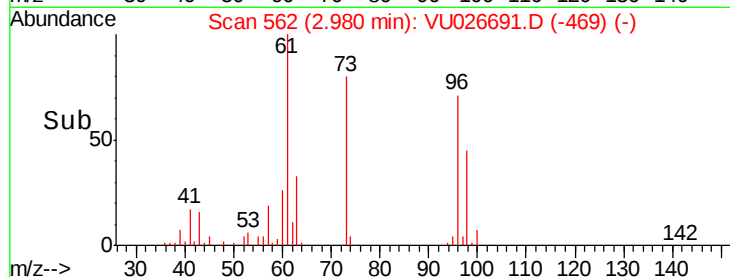
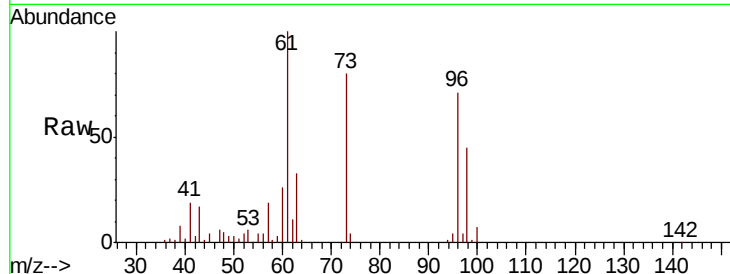
Tot Ion: 96 Resp: 79082

Ion Ratio Lower Upper

96 100

61 141.8 117.7 176.5

98 63.5 52.0 78.0



#22

Diisopropyl ether

Concen: 47.57 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Tgt Ion: 45 Resp: 284107

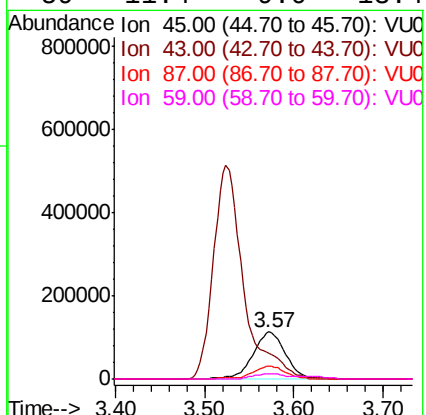
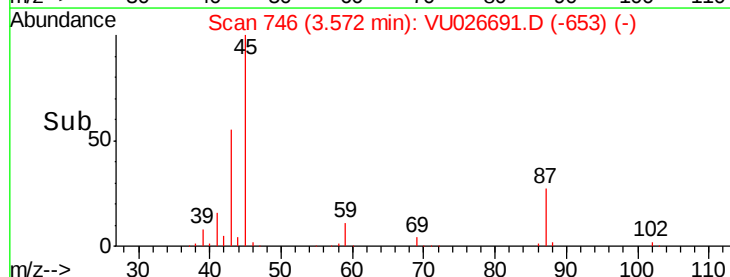
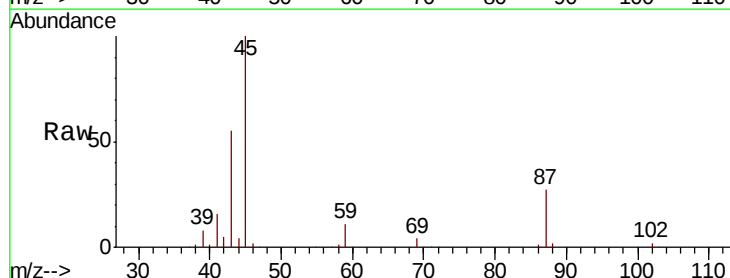
Ion Ratio Lower Upper

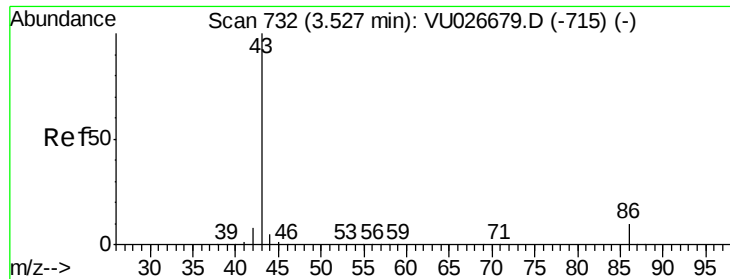
45 100

43 53.4 44.6 67.0

87 27.2 21.4 32.0

59 11.4 9.0 13.4





#23

Vinyl Acetate

Concen: 238.89 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

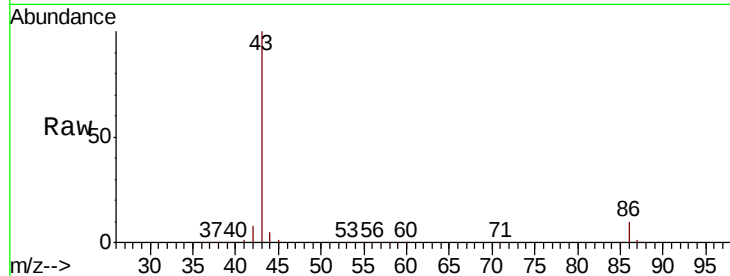
VSTDCCC050

Tot Ion: 43 Resp: 1211855

Ion Ratio Lower Upper

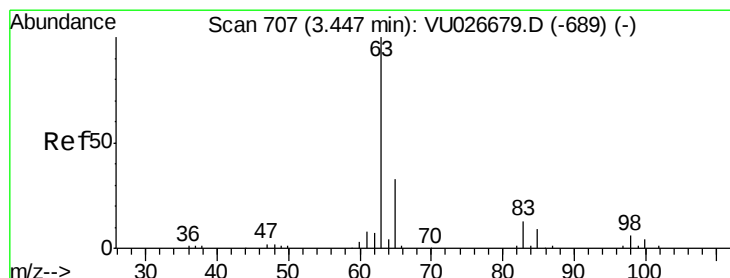
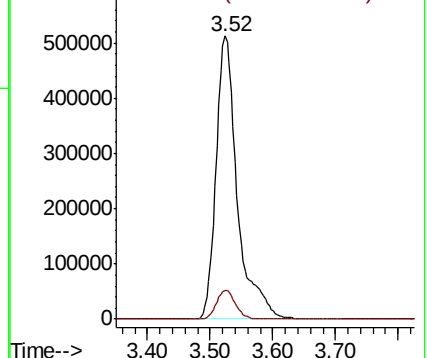
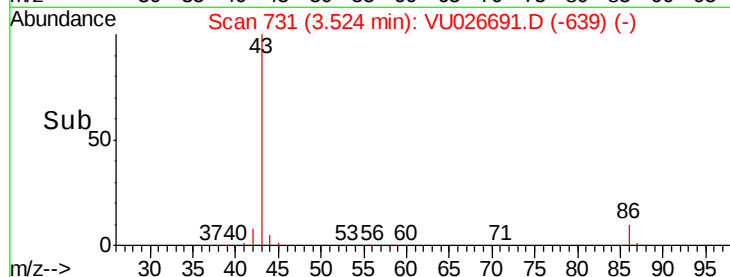
43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU026691.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU026691.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 46.43 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

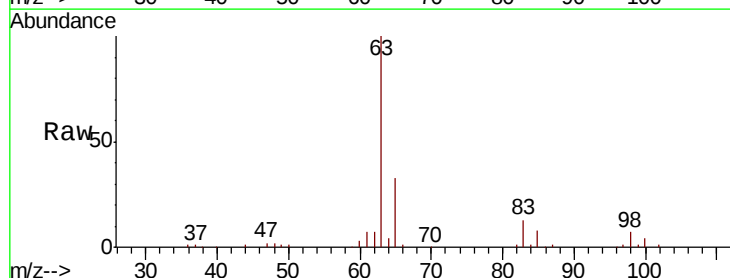
Tgt Ion: 63 Resp: 156413

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

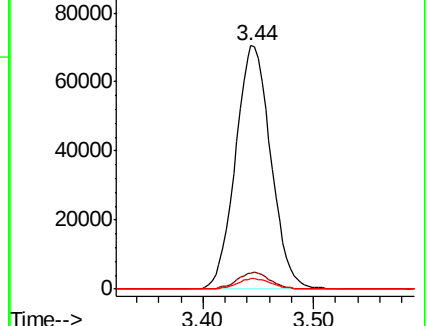
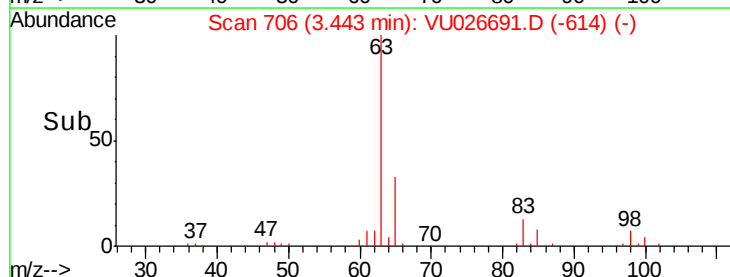
100 4.3 2.0 6.0

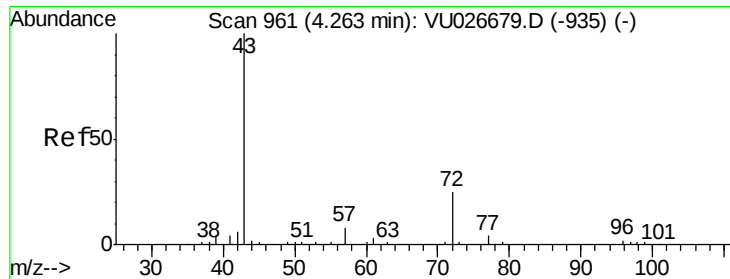


Abundance Ion 62.90 (62.60 to 63.60): VU026691.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU026691.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU026691.D (-614) (-)





#25

2-Butanone

Concen: 225.45 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

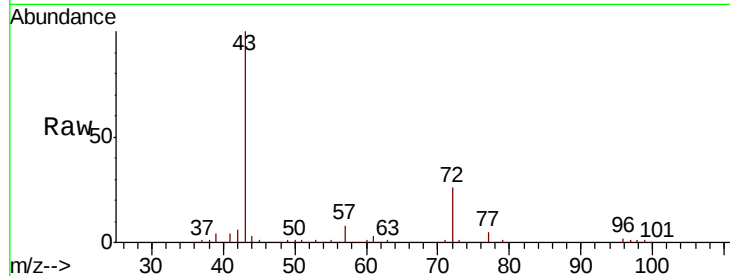
VSTDCCC050

Tot Ion: 43 Resp: 360941

Ion Ratio Lower Upper

43 100

72 26.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

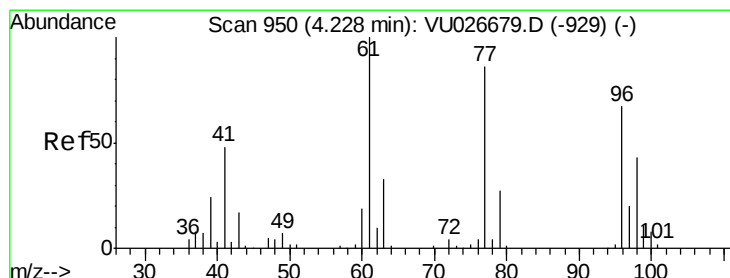
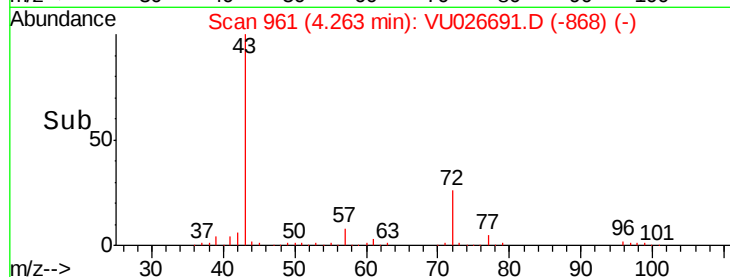
150000

100000

50000

0

Time--> 4.10 4.20 4.30



#26

2,2-Dichloropropane

Concen: 46.29 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026691.D

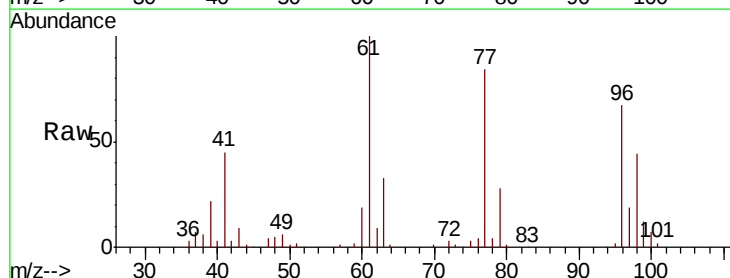
Acq: 12 Sep 2018 08:46

Tgt Ion: 77 Resp: 128186

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.22

50000

40000

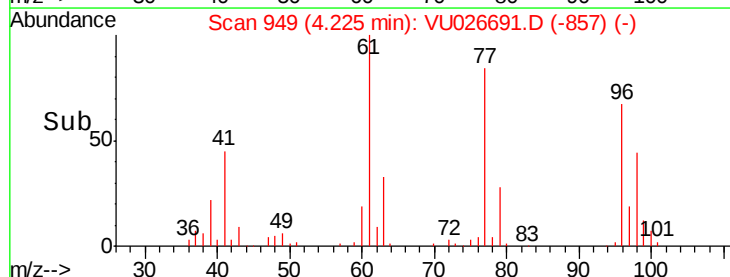
30000

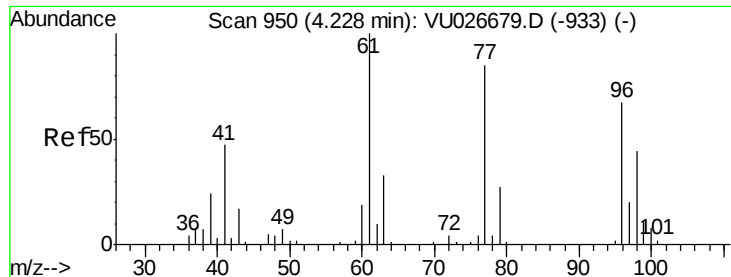
20000

10000

0

Time--> 4.10 4.20 4.30





#27

cis-1,2-Dichloroethene

Concen: 47.58 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

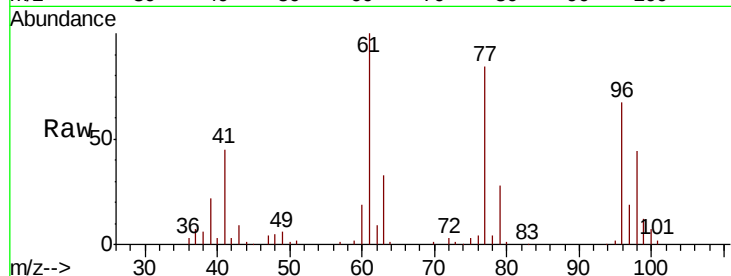
Tot Ion: 96 Resp: 91784

Ion Ratio Lower Upper

96 100

61 148.3 0.0 301.8

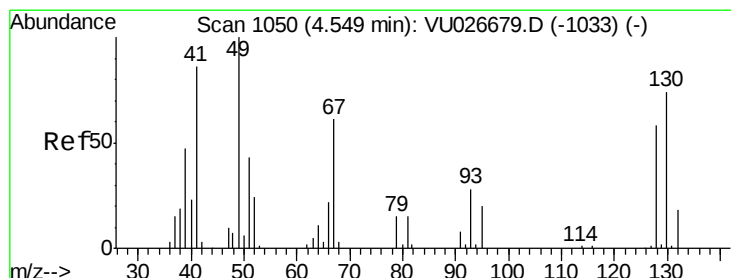
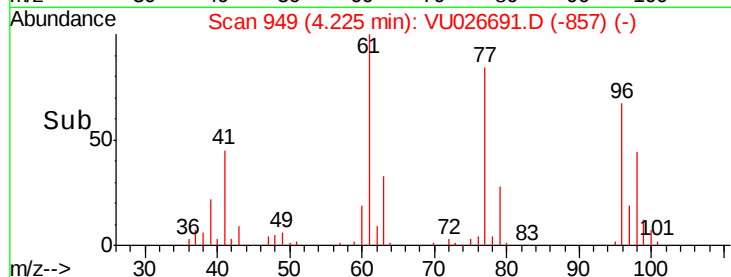
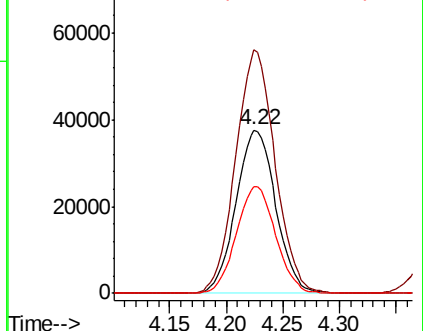
98 65.1 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 45.84 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

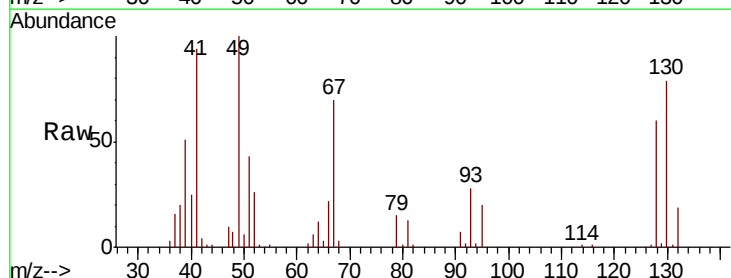
Tgt Ion: 49 Resp: 73852

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

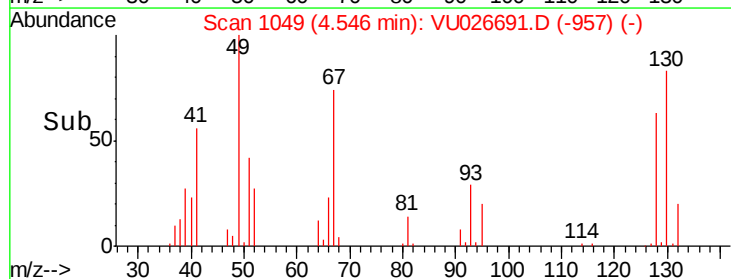
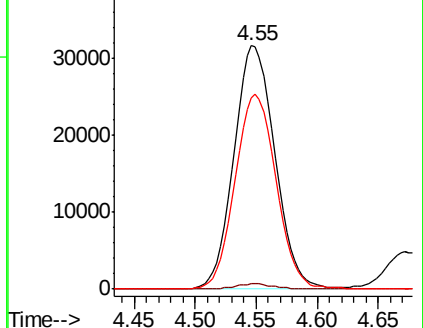
130 80.1 59.8 89.6

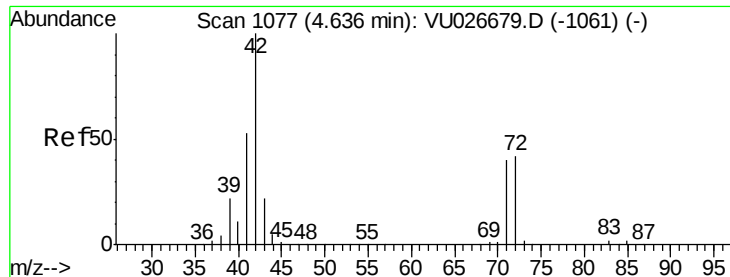


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 227.40 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

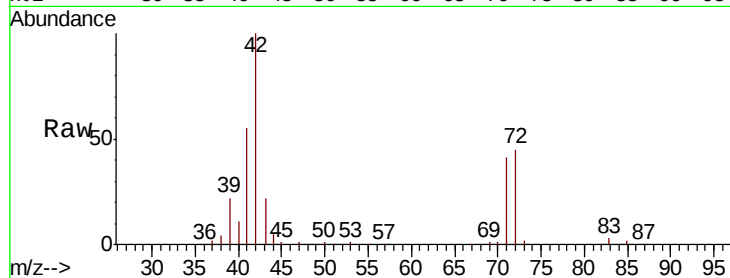
Tot Ion: 42 Resp: 219489

Ion Ratio Lower Upper

42 100

72 45.0 34.4 51.6

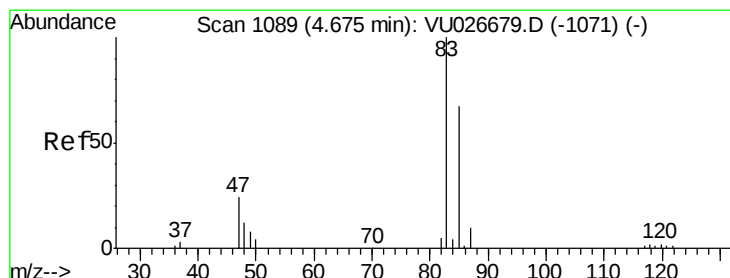
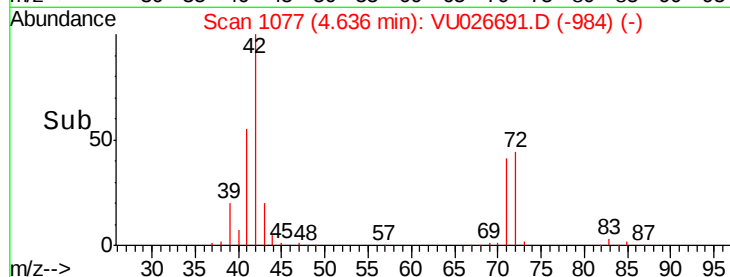
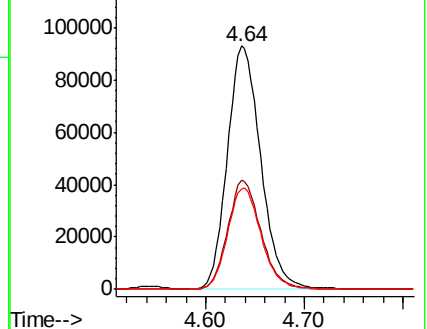
71 41.9 32.4 48.6



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#30

Chloroform

Concen: 46.13 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU026691.D

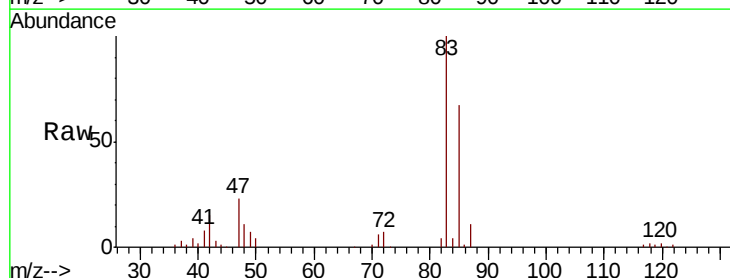
Acq: 12 Sep 2018 08:46

Tgt Ion: 83 Resp: 152832

Ion Ratio Lower Upper

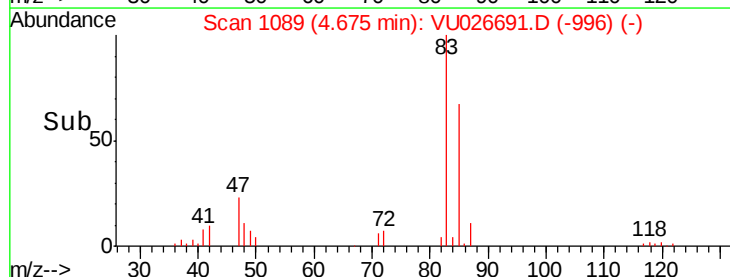
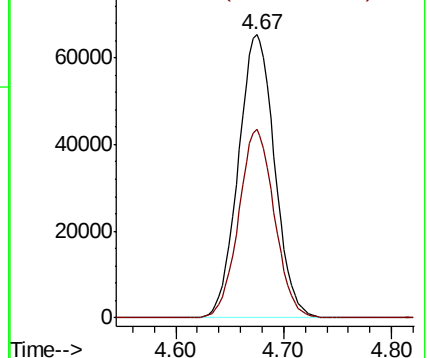
83 100

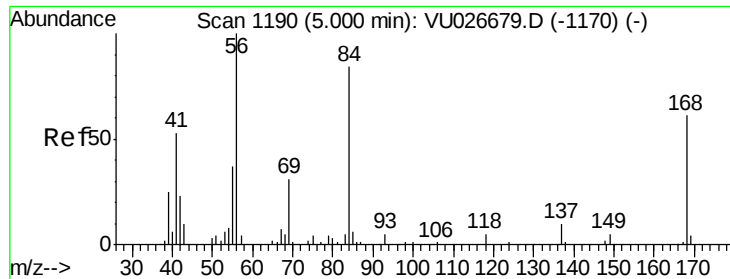
85 66.6 53.3 79.9



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

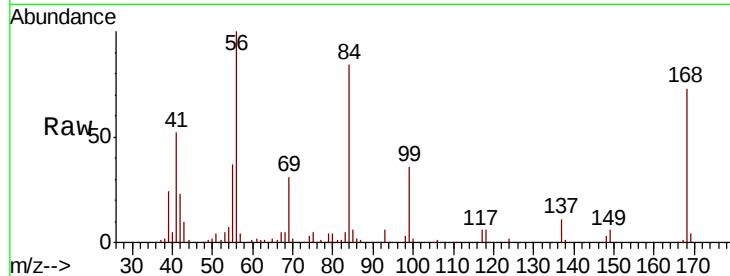




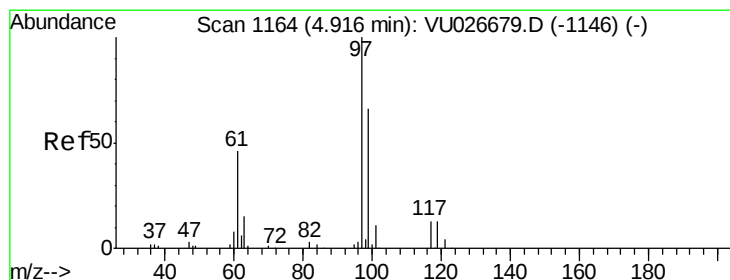
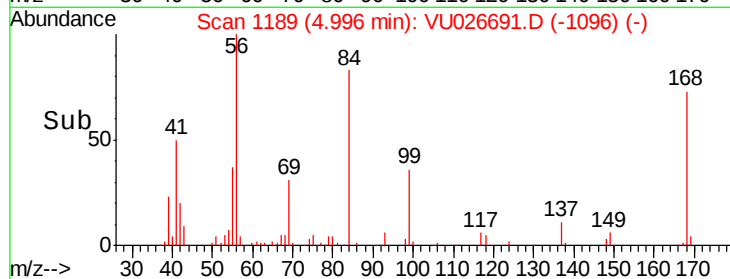
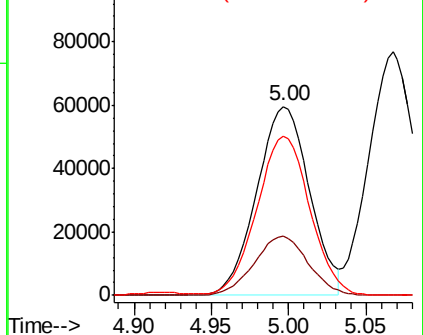
#31  
Cyclohexane  
Concen: 46.13 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. -0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion: 56 Resp: 141965  
Ion Ratio Lower Upper  
56 100  
69 31.2 24.9 37.3  
84 83.6 66.6 100.0

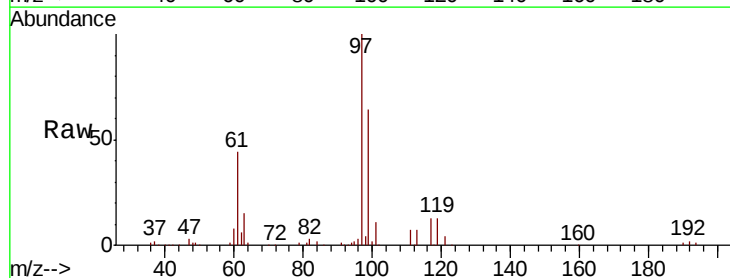


Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0

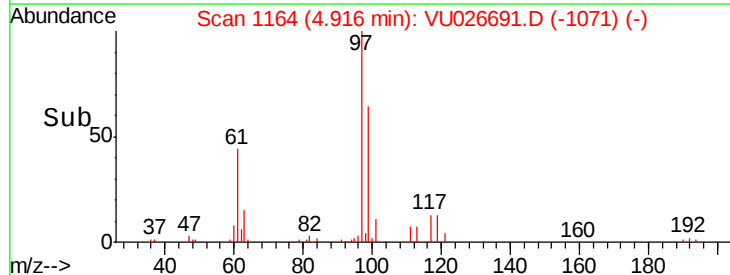
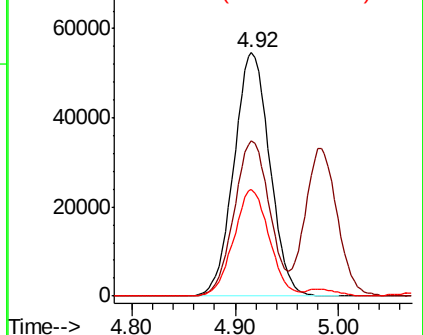


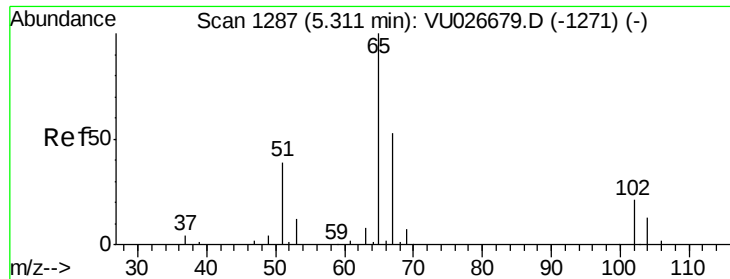
#32  
1,1,1-Trichloroethane  
Concen: 48.04 ug/l  
RT: 4.92 min Scan# 1164  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 97 Resp: 131763  
Ion Ratio Lower Upper  
97 100  
99 63.6 52.2 78.2  
61 43.6 36.8 55.2



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

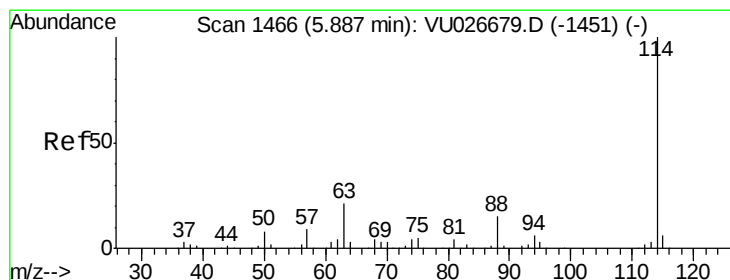
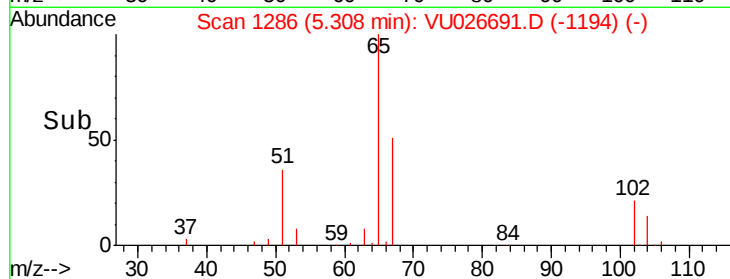
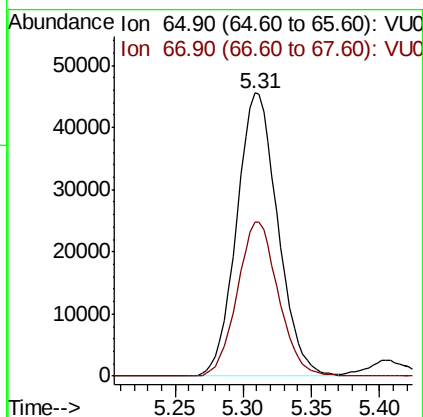
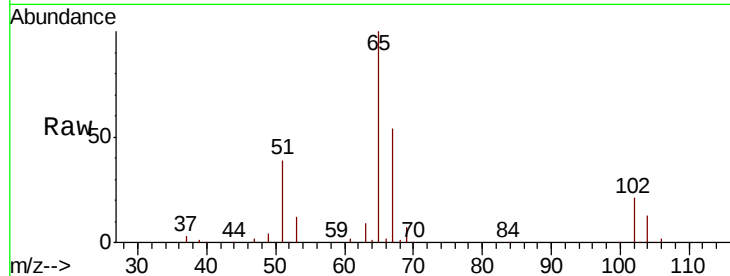




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.42 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. -0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

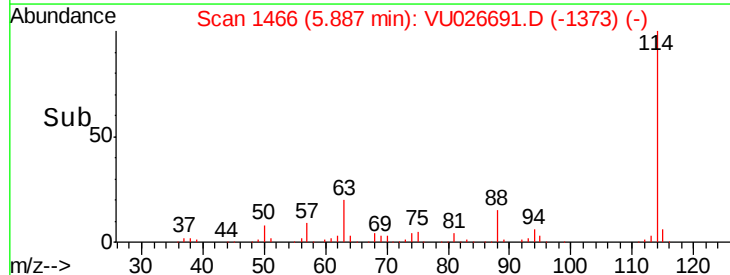
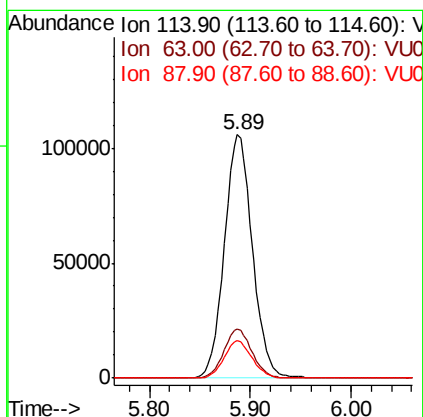
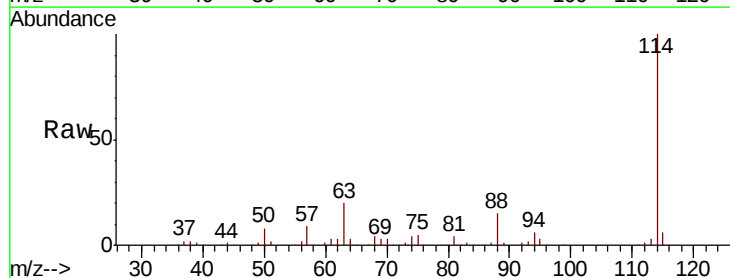
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

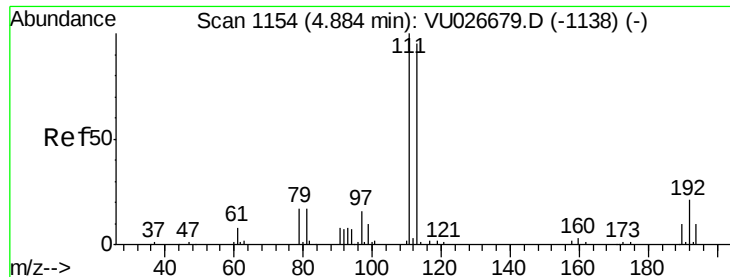
Tot Ion: 65 Resp: 95351  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 106.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Tgt Ion: 114 Resp: 205079  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 41.4  
 88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.42 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

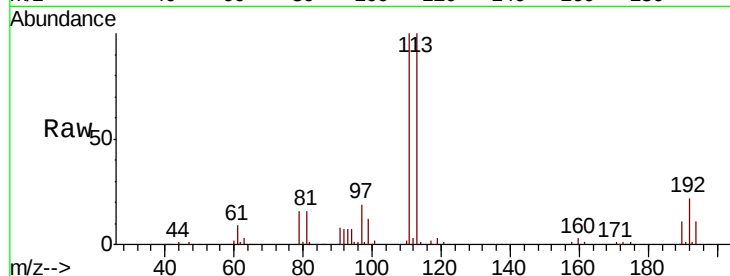
Tot Ion:113 Resp: 82675

Ion Ratio Lower Upper

113 100

111 100.1 83.1 124.7

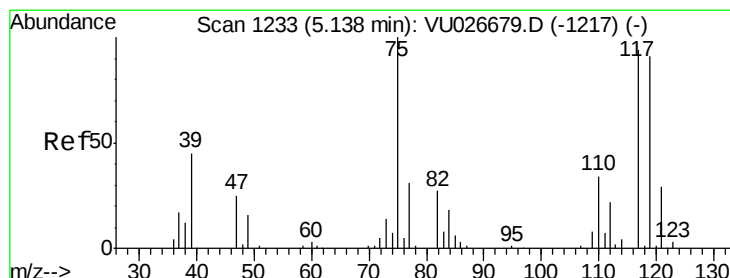
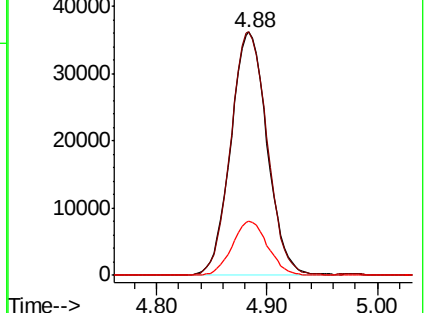
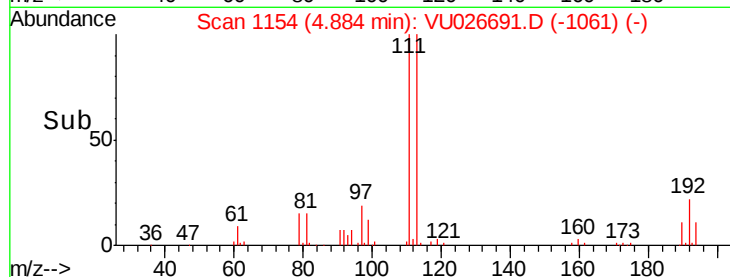
192 21.6 17.4 26.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.99 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

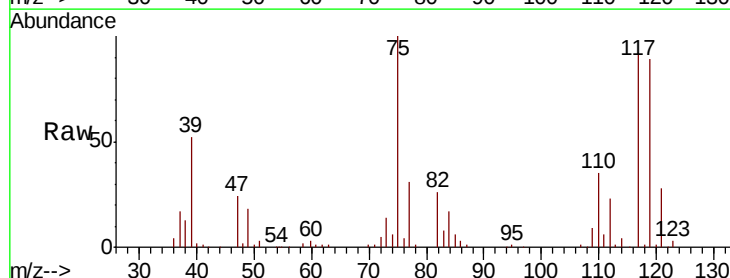
Tgt Ion: 75 Resp: 117402

Ion Ratio Lower Upper

75 100

110 34.8 17.3 51.9

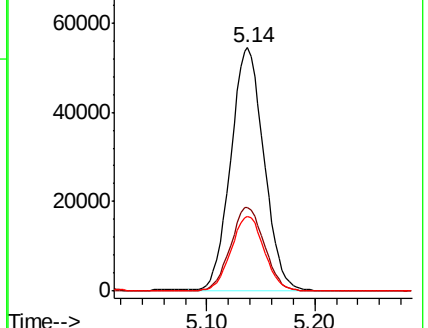
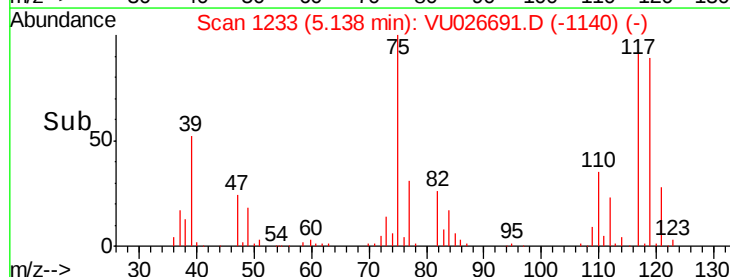
77 30.7 24.9 37.3

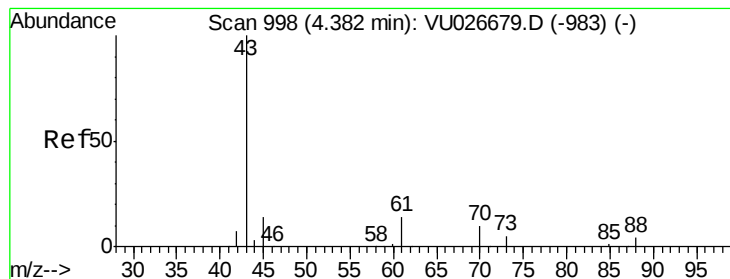


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 46.24 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

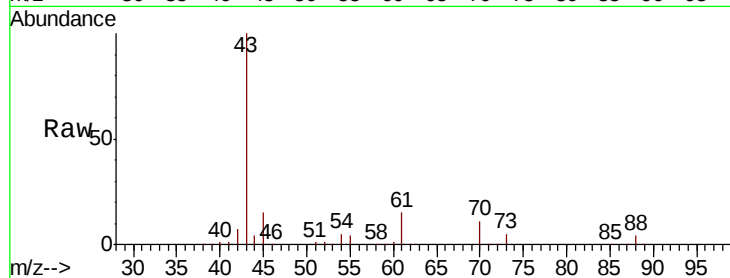
Tot Ion: 43 Resp: 128022

Ion Ratio Lower Upper

43 100

61 15.1 11.5 17.3

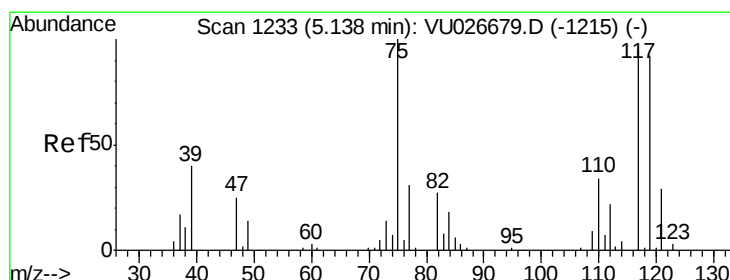
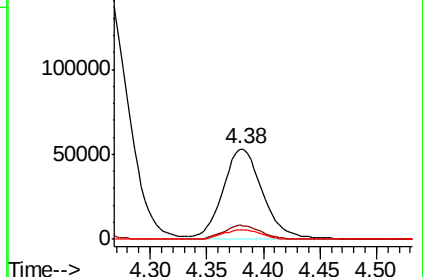
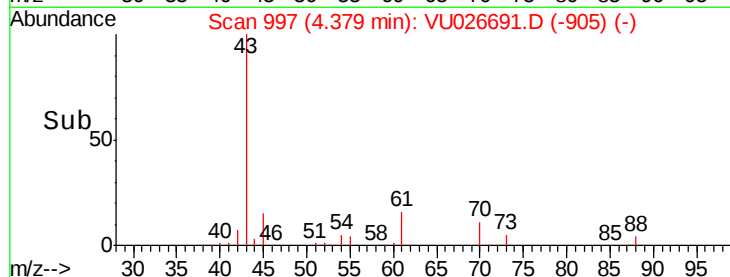
70 10.4 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VU026691.D (-905) (-)

Ion 60.90 (60.60 to 61.60): VU026691.D (-905) (-)

Ion 70.00 (69.70 to 70.70): VU026691.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 47.76 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

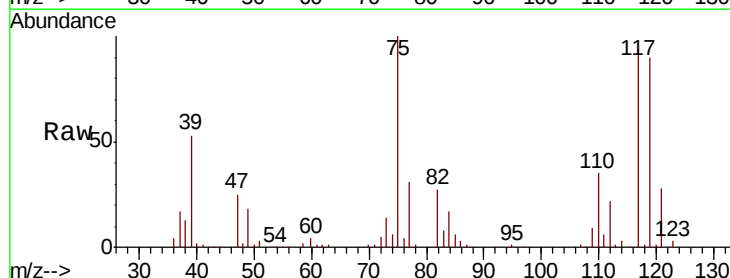
Tgt Ion: 117 Resp: 116173

Ion Ratio Lower Upper

117 100

119 95.5 77.8 116.8

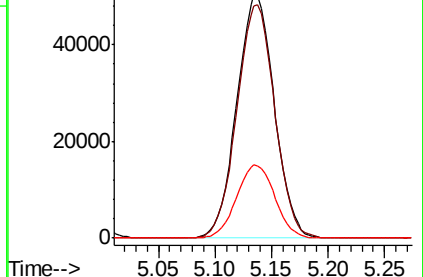
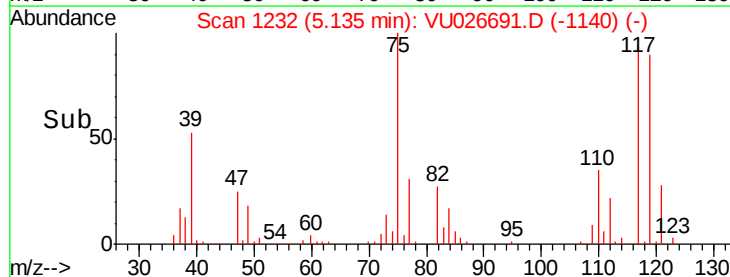
121 30.2 25.0 37.4

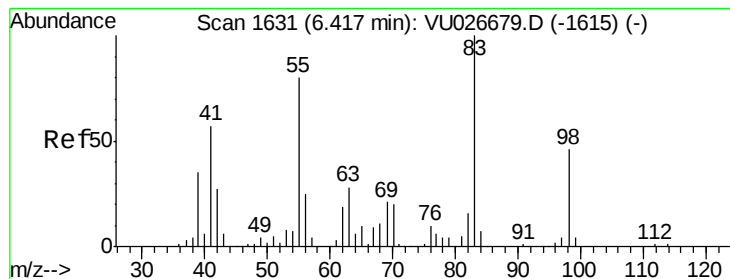


Abundance Ion 116.80 (116.50 to 117.50): VU026691.D (-1140) (-)

Ion 118.80 (118.50 to 119.50): VU026691.D (-1140) (-)

Ion 120.80 (120.50 to 121.50): VU026691.D (-1140) (-)





#39

Methylvlcvclohexane

Concen: 51.79 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

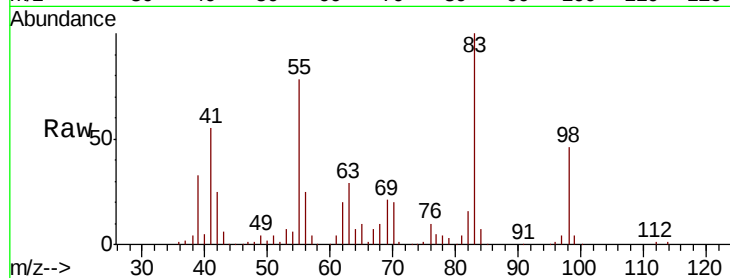
Tot Ion: 83 Resp: 141581

Ion Ratio Lower Upper

83 100

55 78.3 63.8 95.6

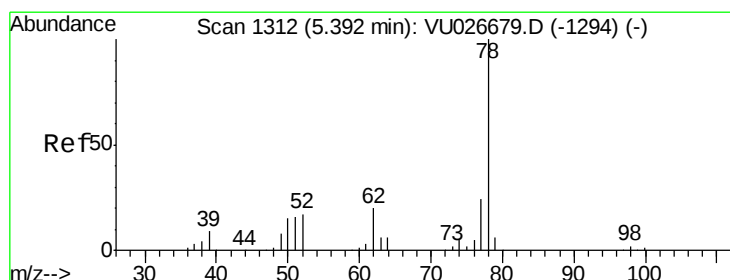
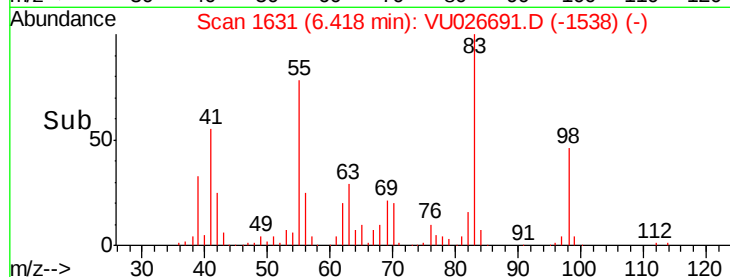
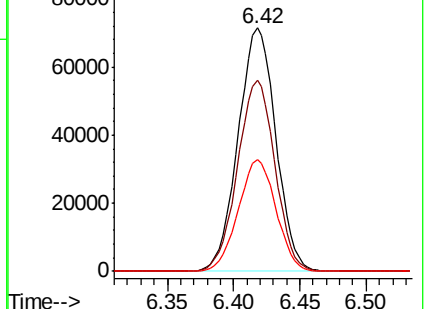
98 45.8 37.2 55.8



Abundance Ion 83.00 (82.70 to 83.70): VU026691.D (-1615) (-)

Ion 55.00 (54.70 to 55.70): VU026691.D (-1615) (-)

Ion 98.00 (97.70 to 98.70): VU026691.D (-1615) (-)



#40

Benzene

Concen: 48.76 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU026691.D

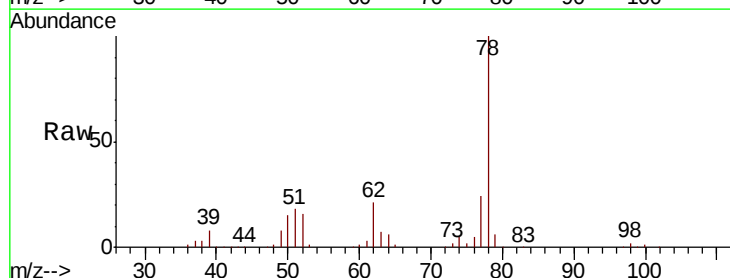
Acq: 12 Sep 2018 08:46

Tgt Ion: 78 Resp: 348654

Ion Ratio Lower Upper

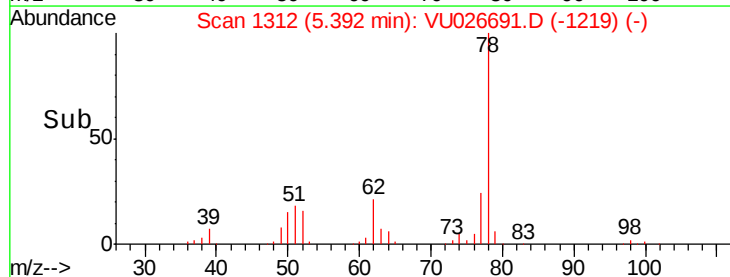
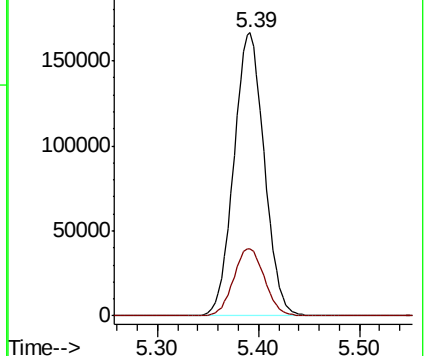
78 100

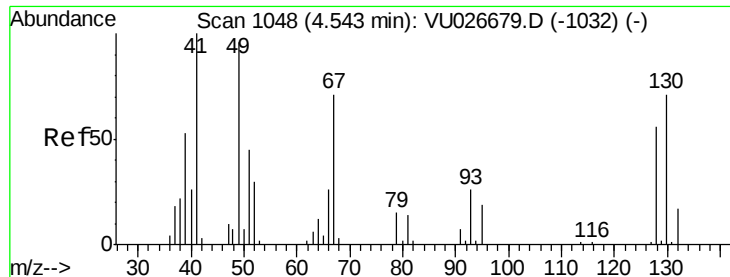
77 23.8 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VU026691.D (-1294) (-)

Ion 77.00 (76.70 to 77.70): VU026691.D (-1294) (-)

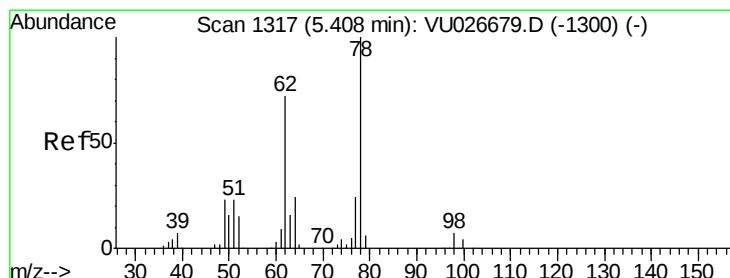
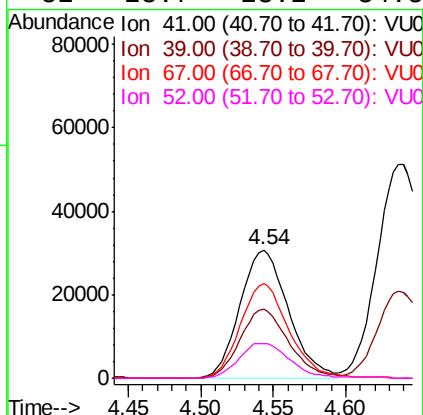
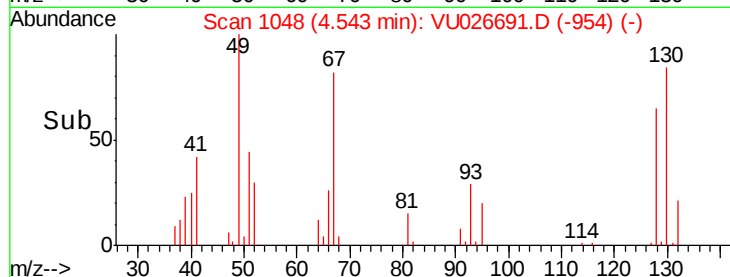
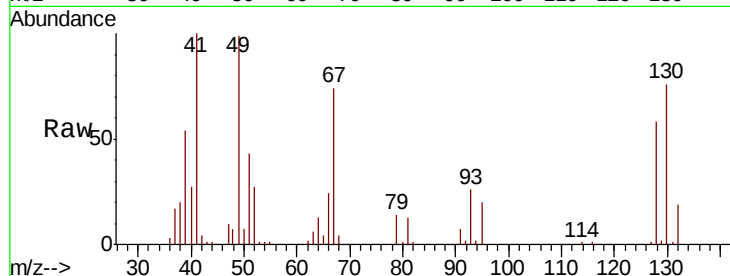




#41  
Methacrylonitrile  
Concen: 46.03 ug/l  
RT: 4.54 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

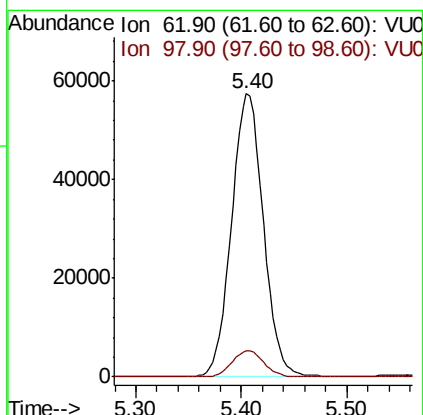
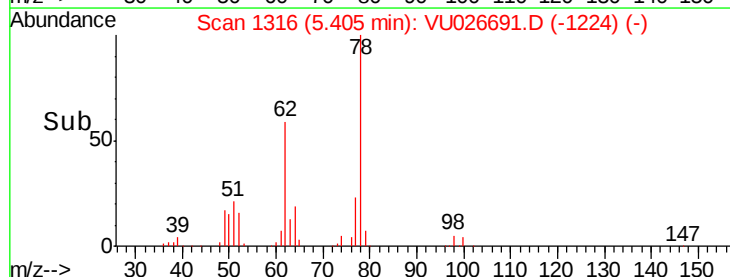
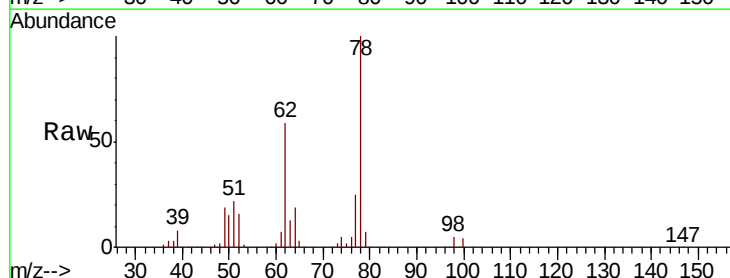
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

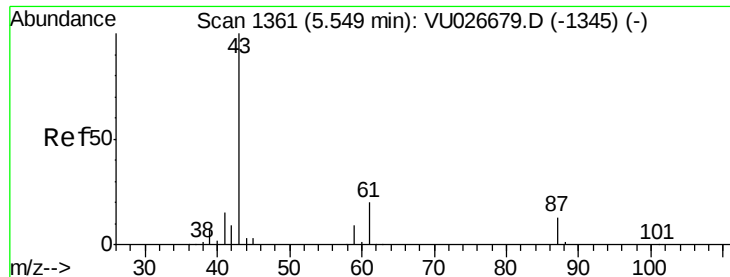
Tot Ion: 41 Resp: 71725  
Ion Ratio Lower Upper  
41 100  
39 53.7 42.9 64.3  
67 74.1 56.6 84.8  
52 28.7 23.2 34.8



#42  
1,2-Dichloroethane  
Concen: 47.17 ug/l  
RT: 5.40 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 62 Resp: 120262  
Ion Ratio Lower Upper  
62 100  
98 9.2 0.0 17.8





#43

Isopropyl Acetate

Concen: 49.70 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

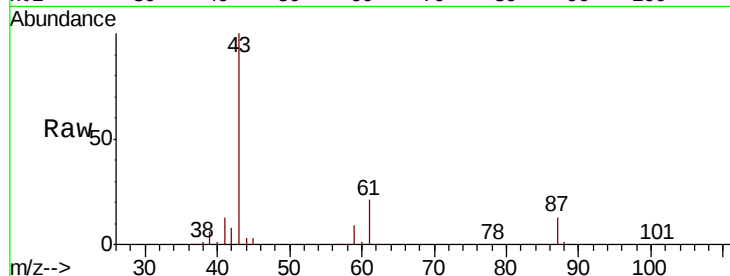
Tot Ion: 43 Resp: 209537

Ion Ratio Lower Upper

43 100

61 20.5 16.0 24.0

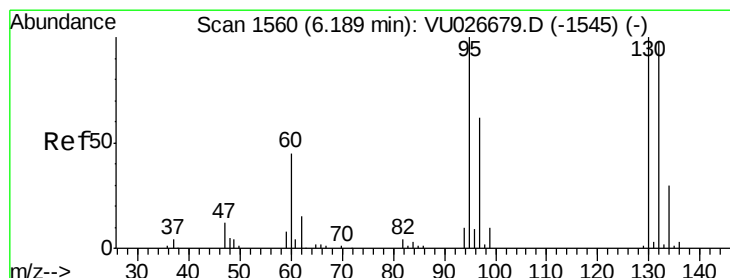
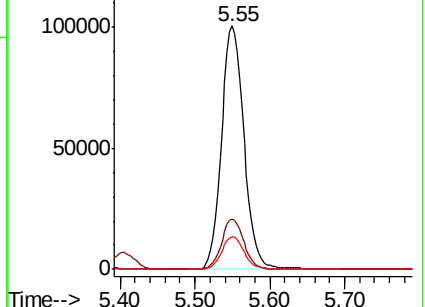
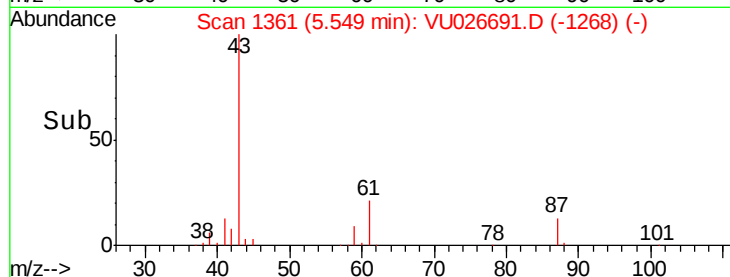
87 13.1 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VU026691.D (-1268) (-)

Ion 61.00 (60.70 to 61.70): VU026691.D (-1268) (-)

Ion 87.00 (86.70 to 87.70): VU026691.D (-1268) (-)



#44

Trichloroethene

Concen: 50.17 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026691.D

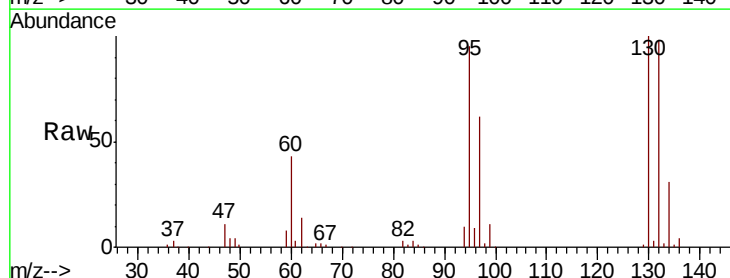
Acq: 12 Sep 2018 08:46

Tgt Ion:130 Resp: 88781

Ion Ratio Lower Upper

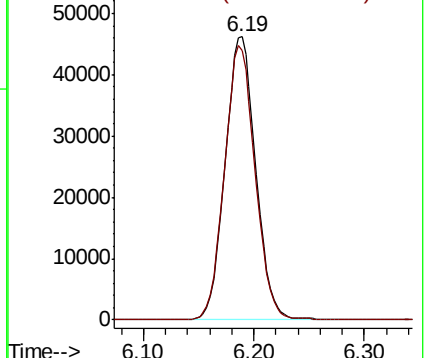
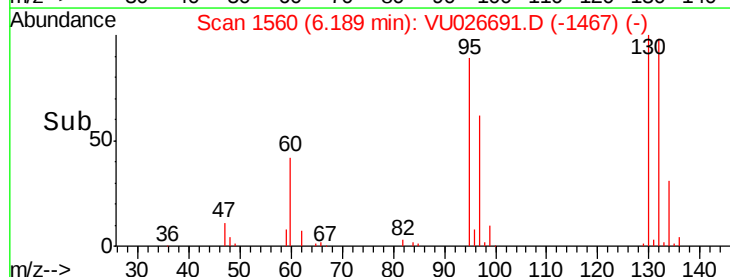
130 100

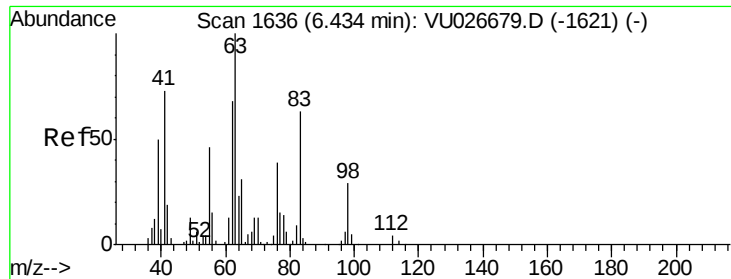
95 95.2 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VU026691.D (-1467) (-)

Ion 94.90 (94.60 to 95.60): VU026691.D (-1467) (-)





#45

1,2-Dichloropropane

Concen: 49.40 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

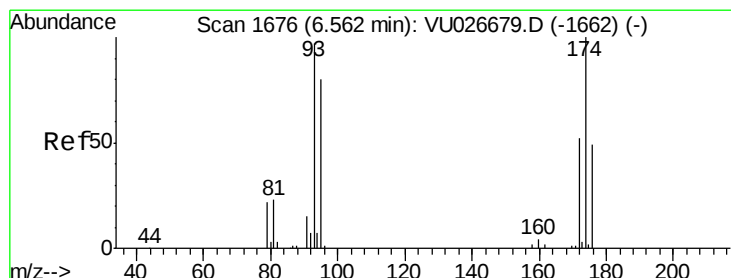
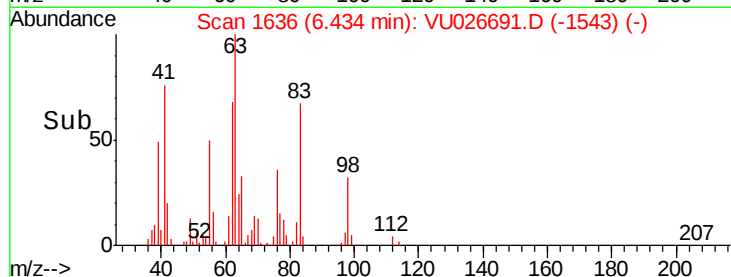
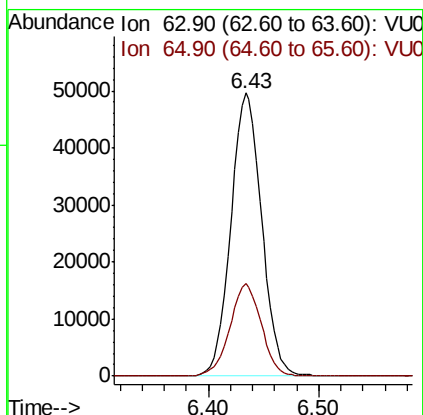
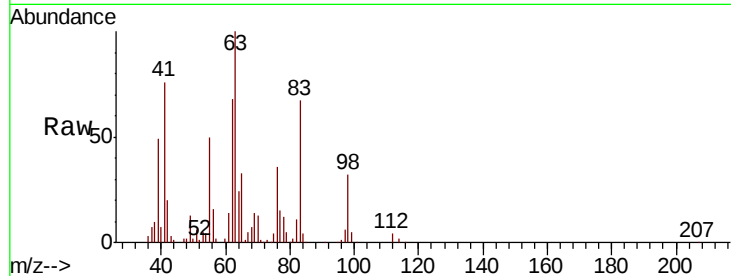
VSTDCCC050

Tot Ion: 63 Resp: 96020

Ion Ratio Lower Upper

63 100

65 32.8 25.0 37.4



#46

Dibromomethane

Concen: 49.45 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

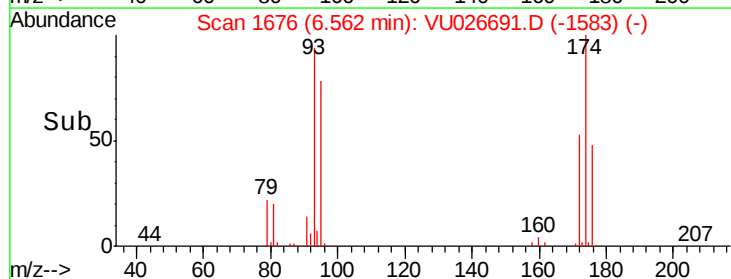
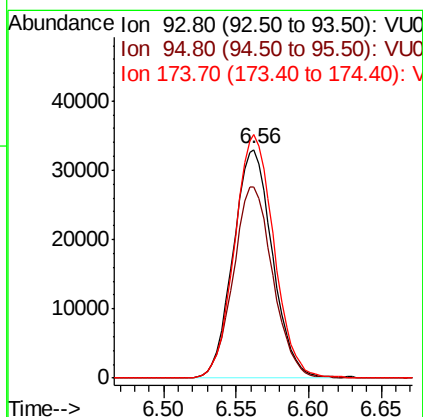
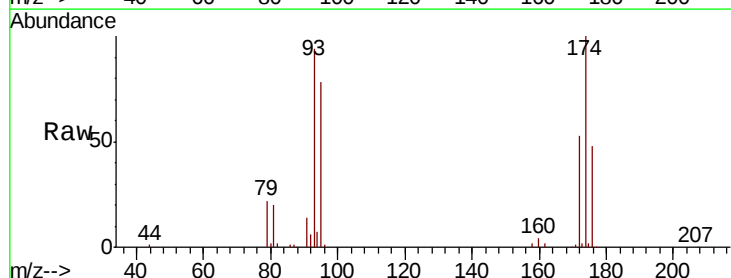
Tgt Ion: 93 Resp: 62028

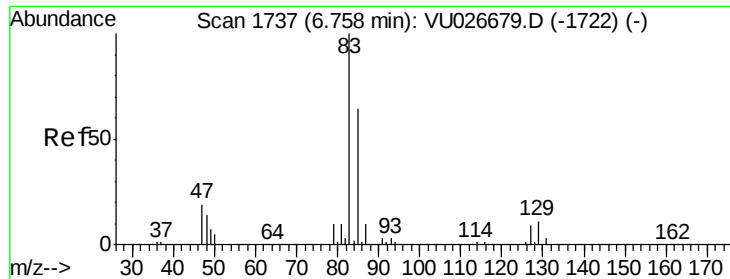
Ion Ratio Lower Upper

93 100

95 84.3 65.4 98.2

174 107.0 81.6 122.4

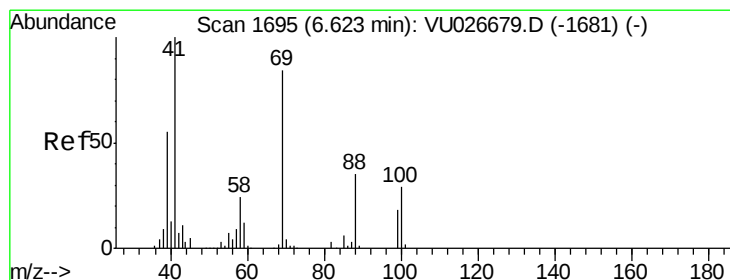
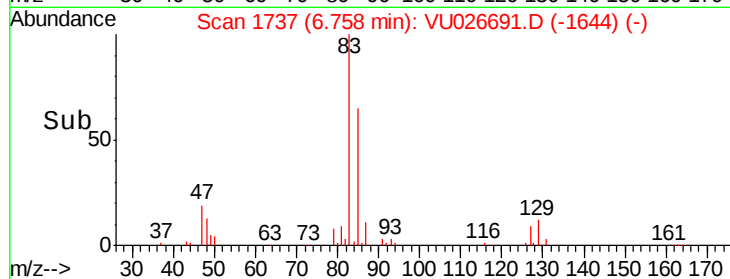
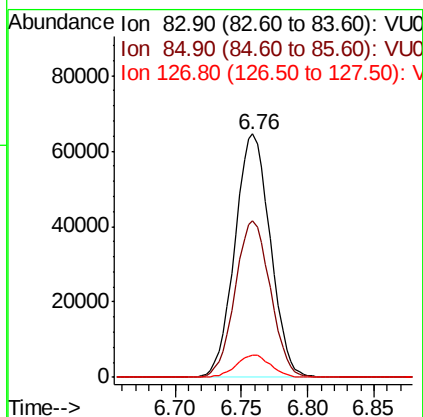
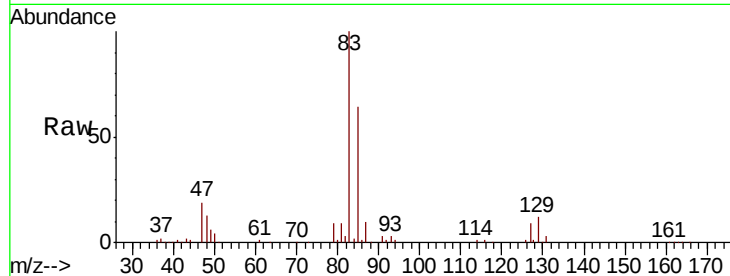




#47  
Bromodichloromethane  
Concen: 48.50 ug/l  
RT: 6.76 min Scan# 1737  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

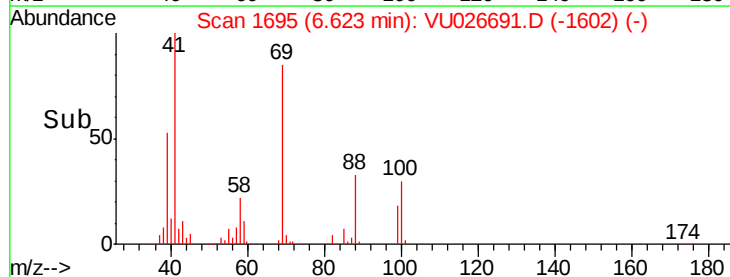
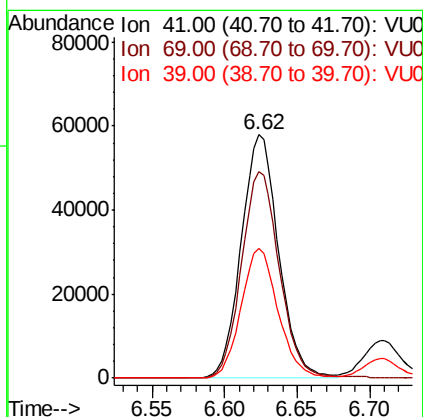
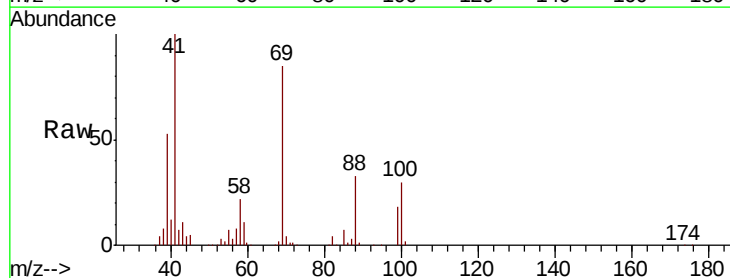
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

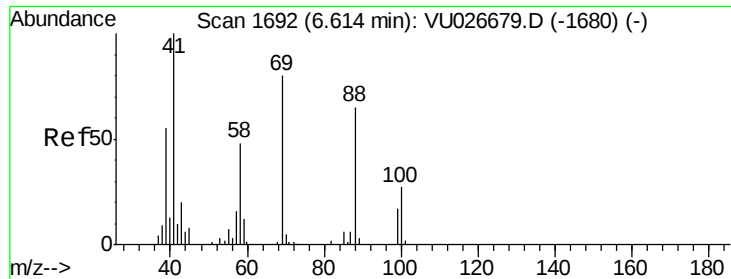
Tot Ion: 83 Resp: 119801  
Ion Ratio Lower Upper  
83 100  
85 64.3 51.1 76.7  
127 9.1 6.9 10.3



#48  
Methyl methacrylate  
Concen: 45.34 ug/l  
RT: 6.62 min Scan# 1695  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 41 Resp: 104188  
Ion Ratio Lower Upper  
41 100  
69 86.0 66.6 99.8  
39 52.6 43.6 65.4

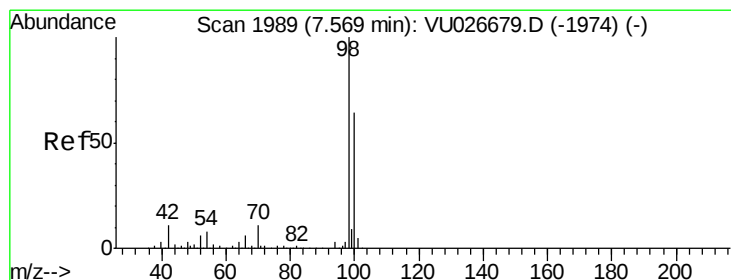
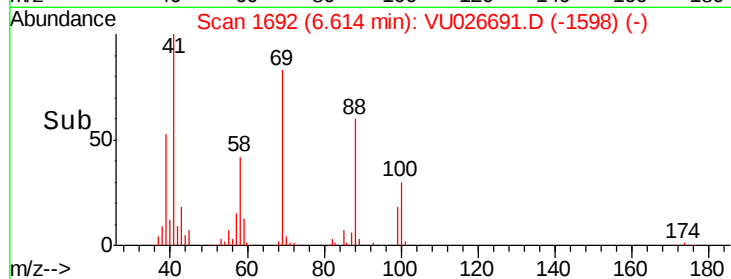
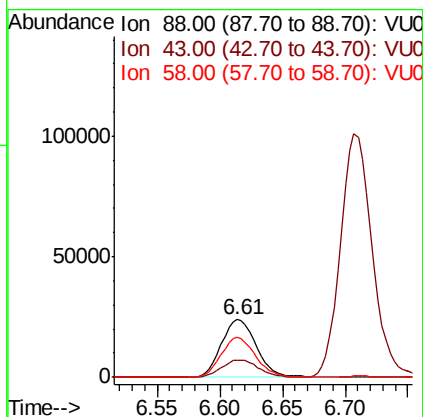
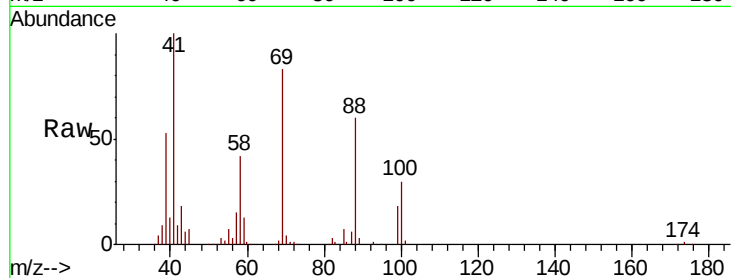




#49  
1,4-Dioxane  
Concen: 887.69 ug/l  
RT: 6.61 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

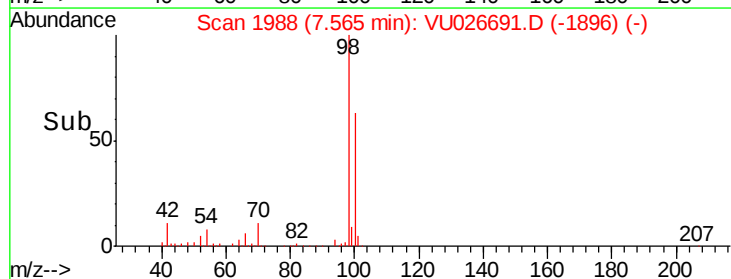
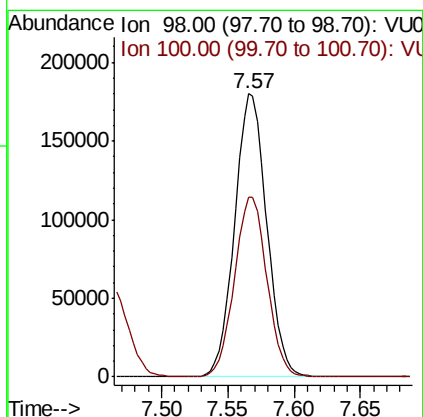
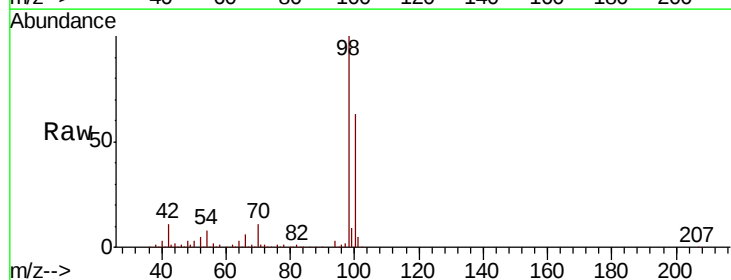
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

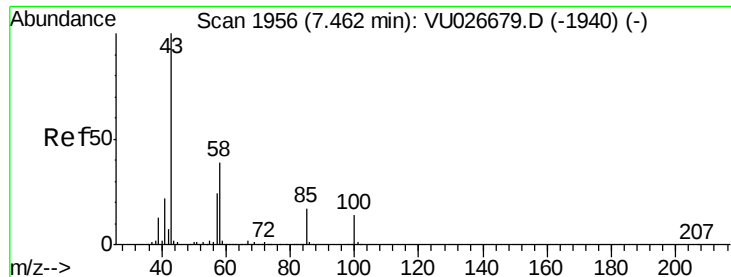
Tot Ion: 88 Resp: 46710  
Ion Ratio Lower Upper  
88 100  
43 31.4 25.5 38.3  
58 68.5 58.2 87.4



#50  
Toluene-d8  
Concen: 48.95 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 98 Resp: 302834  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 238.00 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

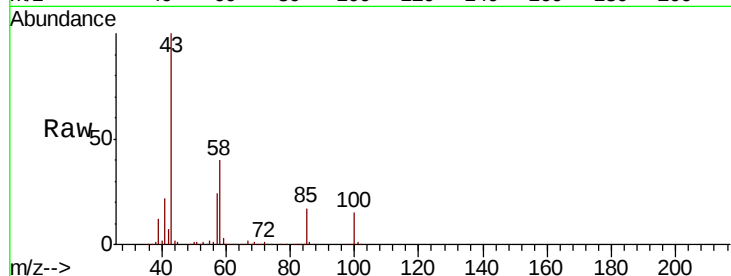
VSTDCCC050

Tot Ion: 43 Resp: 671171

Ion Ratio Lower Upper

43 100

58 39.5 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VU026691.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU026691.D (-1940) (-)

7.46

400000

300000

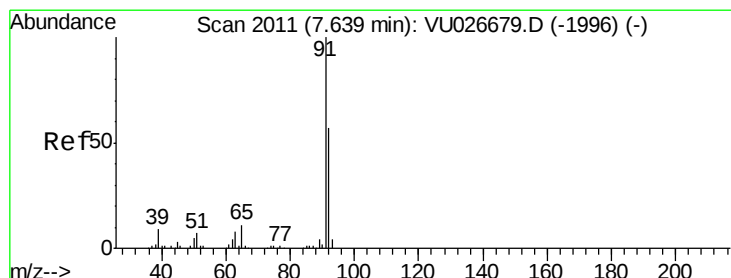
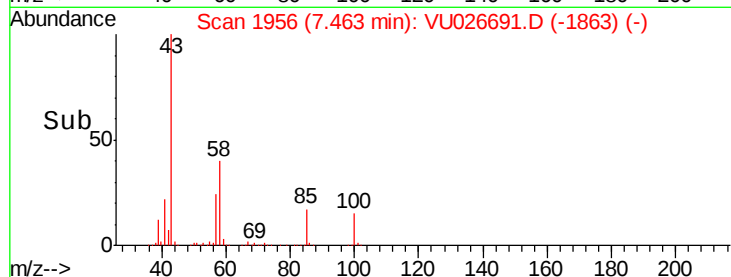
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 50.43 ug/l

RT: 7.64 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU026691.D

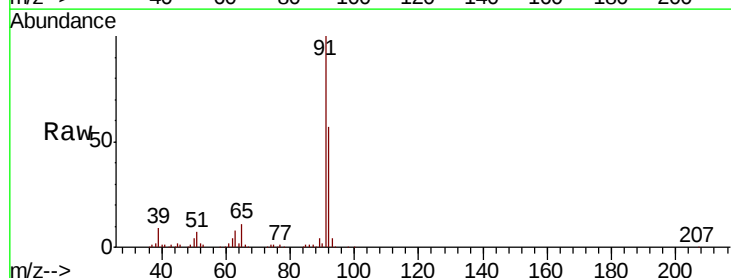
Acq: 12 Sep 2018 08:46

Tgt Ion: 92 Resp: 214794

Ion Ratio Lower Upper

92 100

91 174.7 141.1 211.7



Abundance Ion 92.00 (91.70 to 92.70): VU026691.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU026691.D (-1918) (-)

7.64

250000

200000

150000

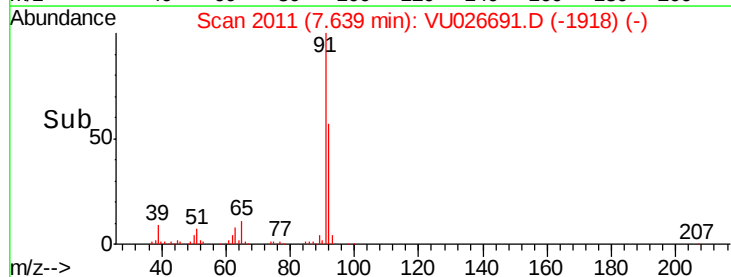
100000

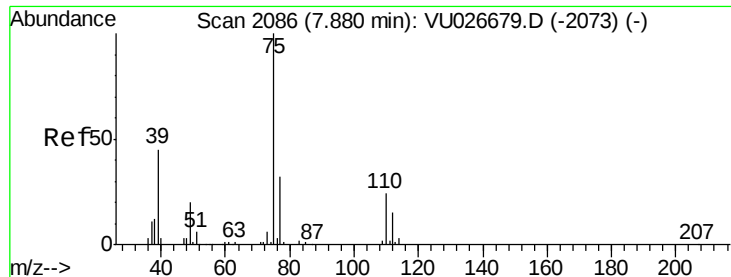
50000

0

7.55 7.60 7.65 7.70

Time-->

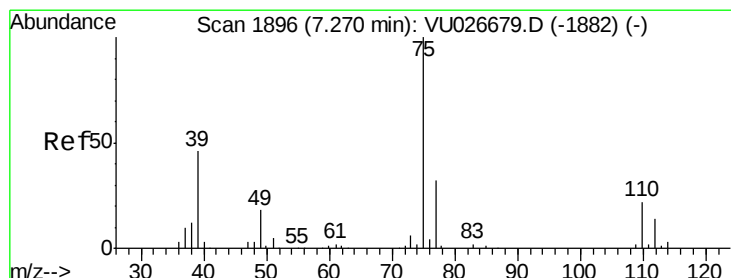
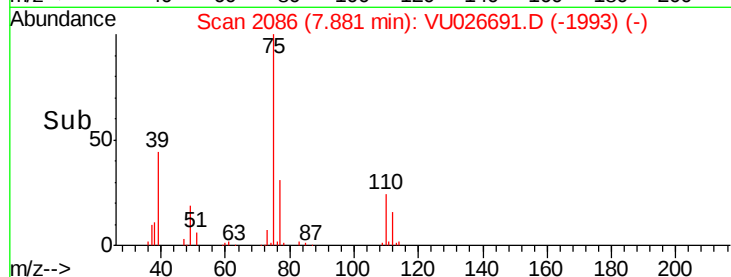
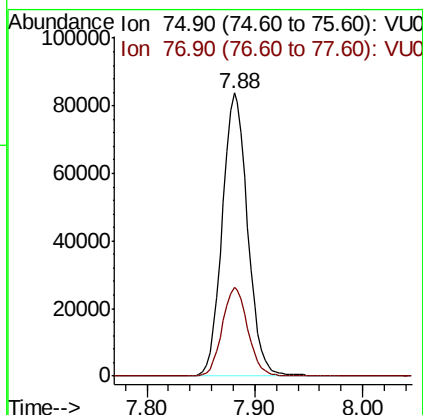
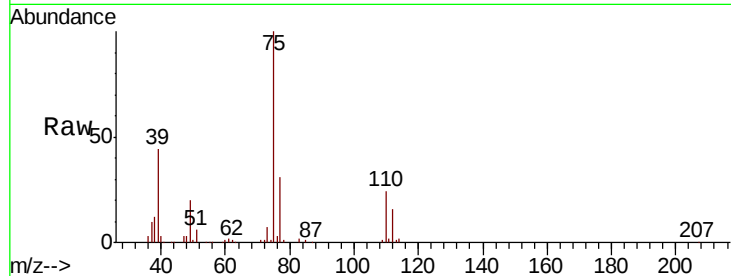




#53  
t-1,3-Dichloropropene  
Concen: 50.01 ug/l  
RT: 7.88 min Scan# 2086  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

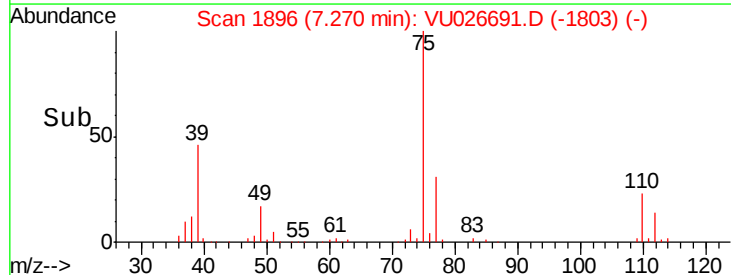
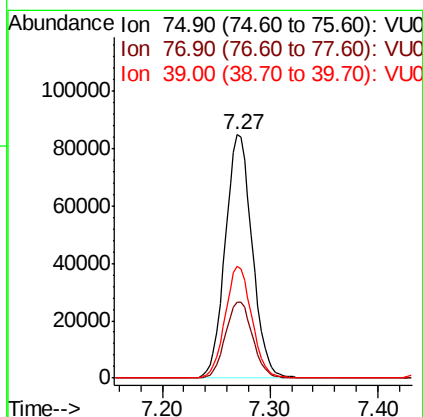
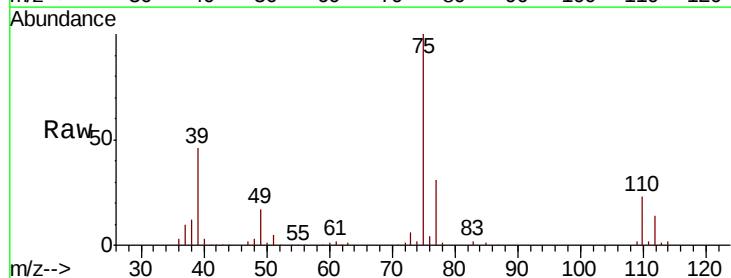
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

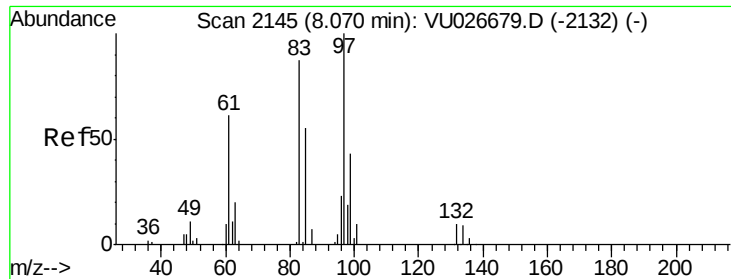
Tot Ion: 75 Resp: 137023  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.2 37.8



#54  
cis-1,3-Dichloropropene  
Concen: 50.16 ug/l  
RT: 7.27 min Scan# 1896  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 75 Resp: 147572  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.5 38.3  
39 45.9 37.0 55.6

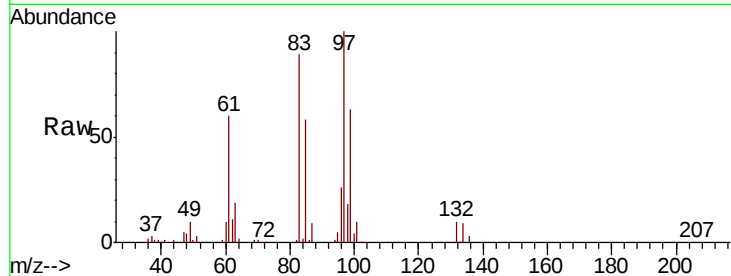




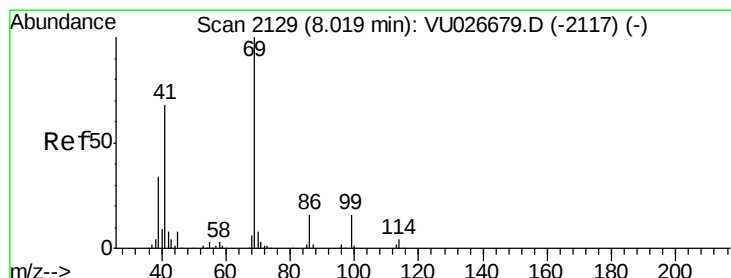
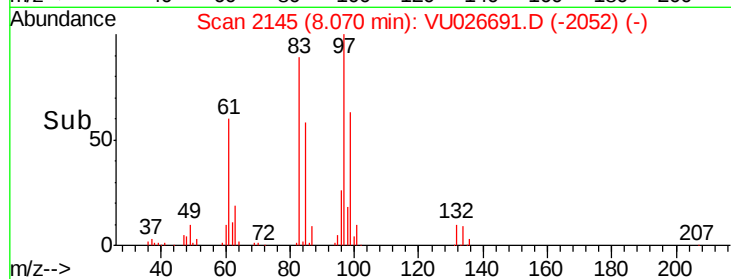
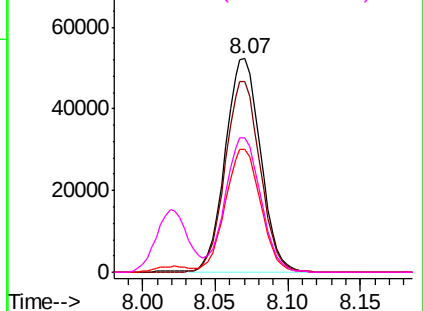
#55  
 1,1,2-Trichloroethane  
 Concen: 48.51 ug/l  
 RT: 8.07 min Scan# 2145  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 88536 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 89.2  | 69.3  | 103.9 |
| 85       | 57.8  | 45.9  | 68.9  |
| 99       | 63.0  | 50.1  | 75.1  |

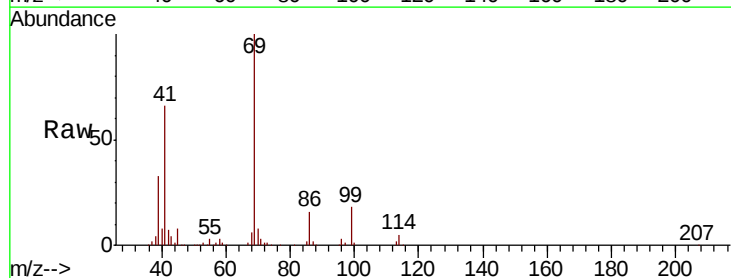


Abundance Ion 96.90 (96.60 to 97.60): VU0  
 Ion 82.90 (82.60 to 83.60): VU0  
 Ion 84.90 (84.60 to 85.60): VU0  
 Ion 98.90 (98.60 to 99.60): VU0

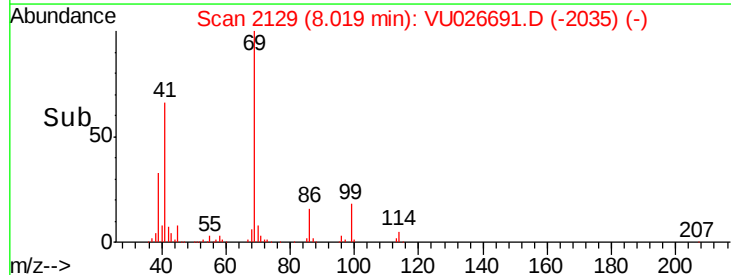
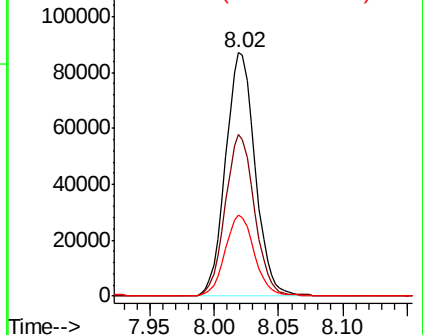


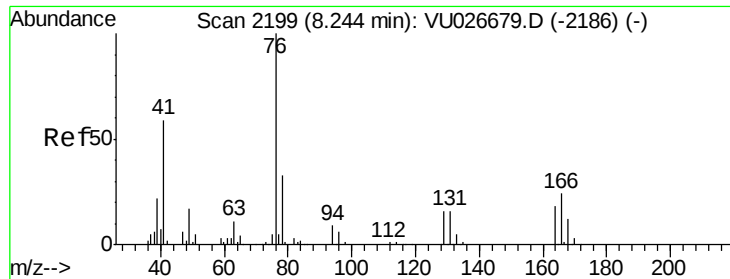
#56  
 Ethyl methacrylate  
 Concen: 45.38 ug/l  
 RT: 8.02 min Scan# 2129  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 138648 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.9  | 54.2  | 81.2   |
| 39       | 33.4  | 28.4  | 42.6   |



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

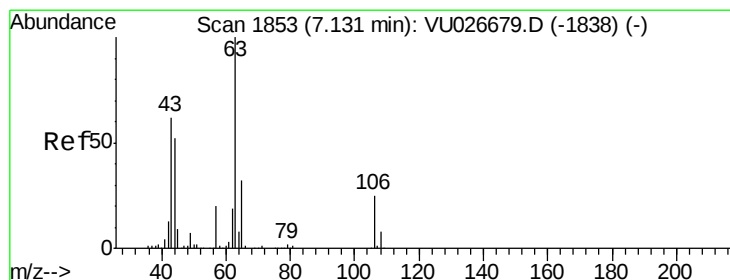
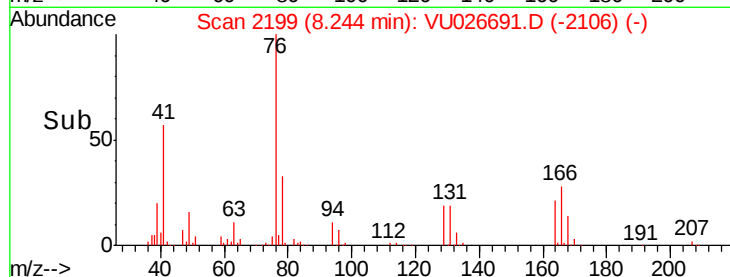
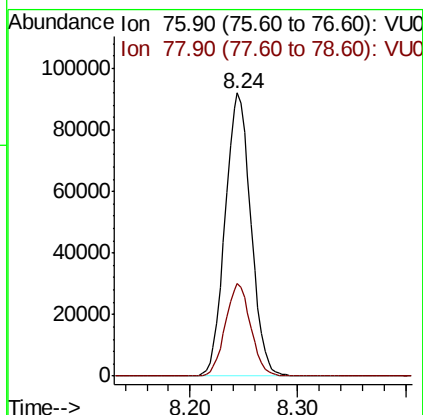
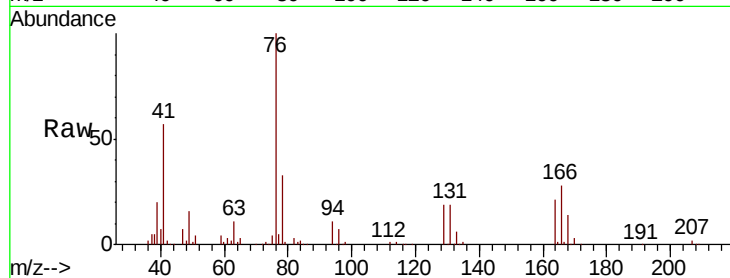




#57  
 1,3-Dichloropropane  
 Concen: 49.19 ug/l  
 RT: 8.24 min Scan# 2199  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

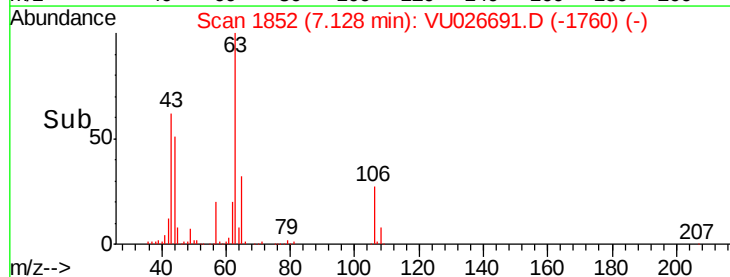
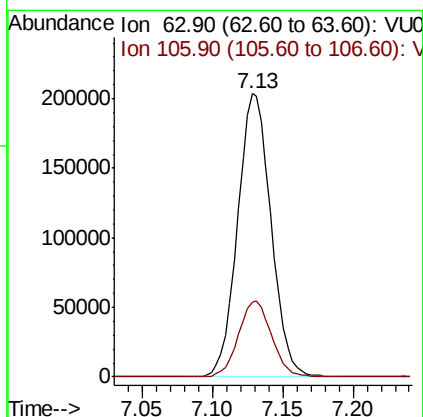
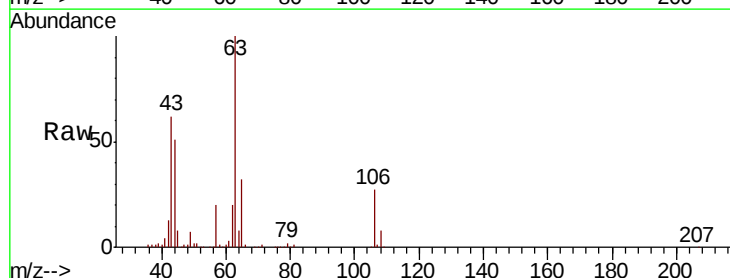
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

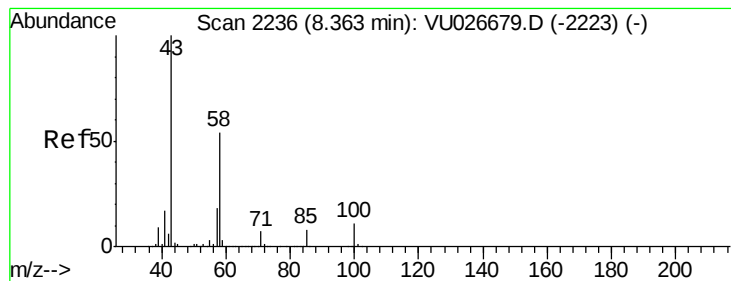
Tot Ion: 76 Resp: 153007  
 Ion Ratio Lower Upper  
 76 100  
 78 32.0 26.0 39.0



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 231.28 ug/l  
 RT: 7.13 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Tgt Ion: 63 Resp: 337573  
 Ion Ratio Lower Upper  
 63 100  
 106 26.7 20.5 30.7





#59

2-Hexanone

Concen: 234.34 ug/l

RT: 8.36 min Scan# 2236

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

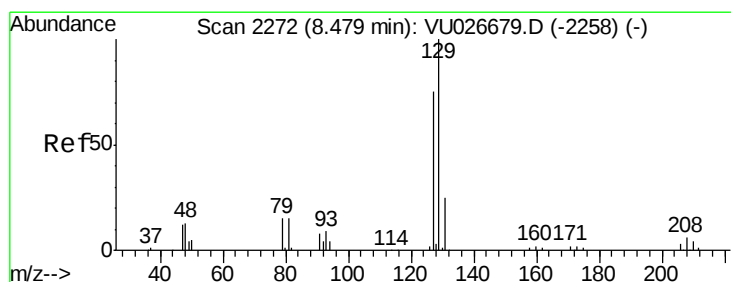
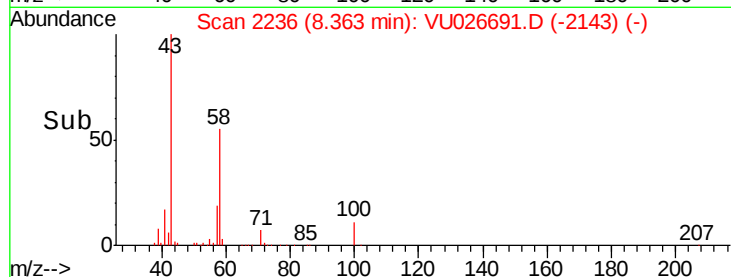
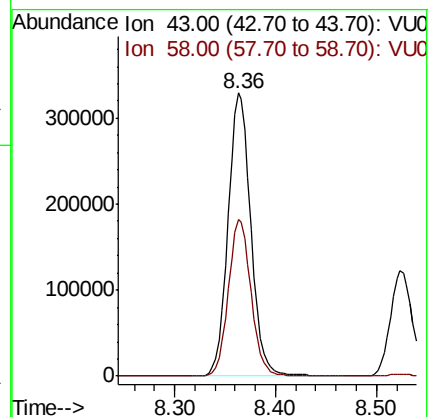
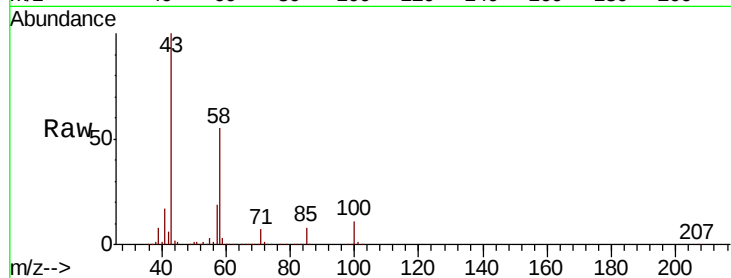
VSTDCCC050

Tot Ion: 43 Resp: 520089

Ion Ratio Lower Upper

43 100

58 55.3 26.9 80.7



#60

Dibromochloromethane

Concen: 49.35 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU026691.D

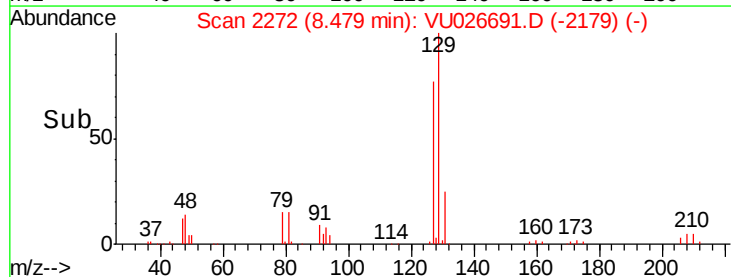
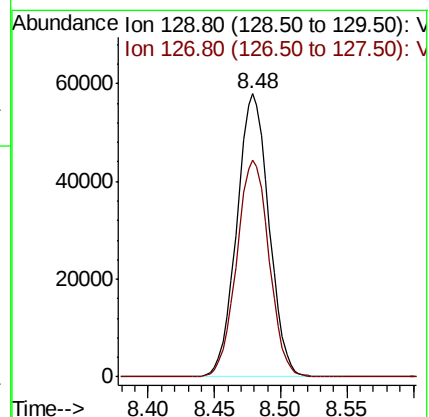
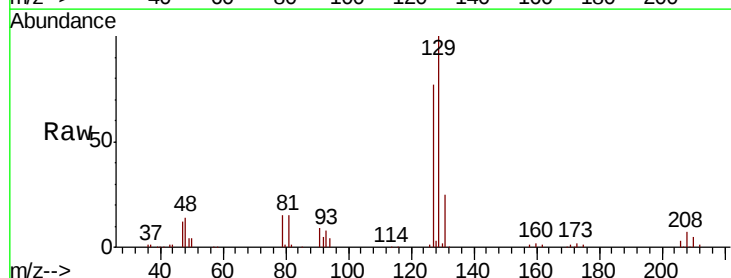
Acq: 12 Sep 2018 08:46

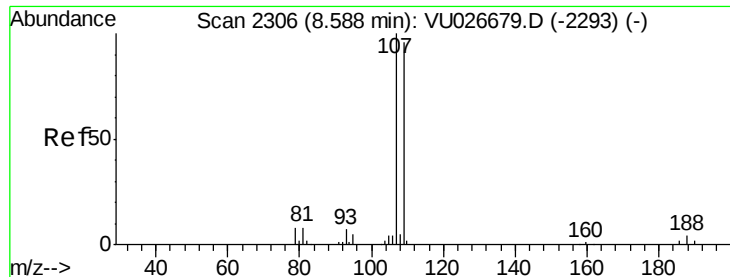
Tgt Ion: 129 Resp: 97535

Ion Ratio Lower Upper

129 100

127 77.3 38.3 114.9





#61

1,2-Dibromoethane

Concen: 48.87 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

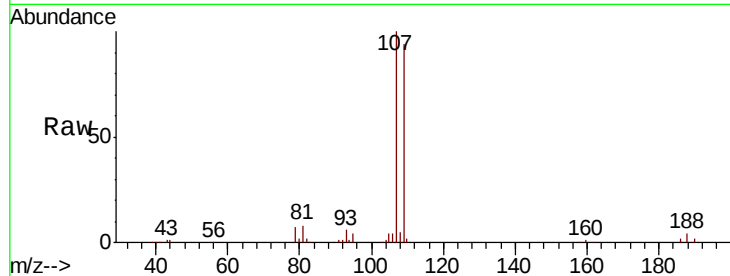
VSTDCCC050

Tot Ion:107 Resp: 96777

Ion Ratio Lower Upper

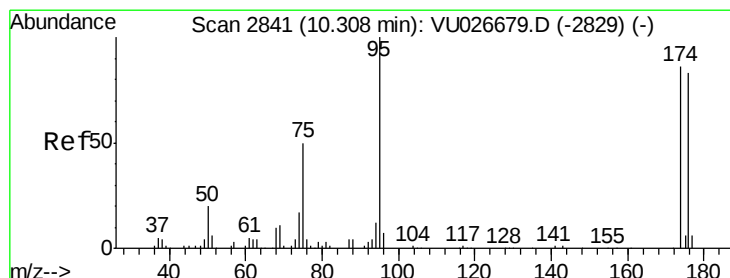
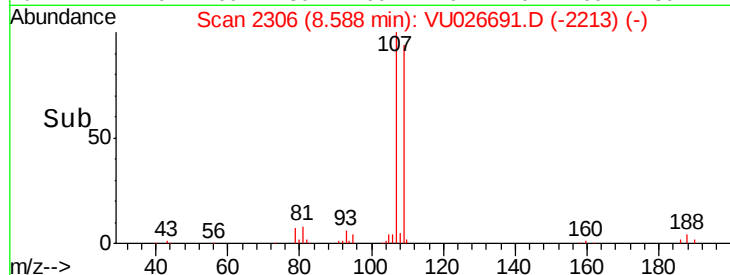
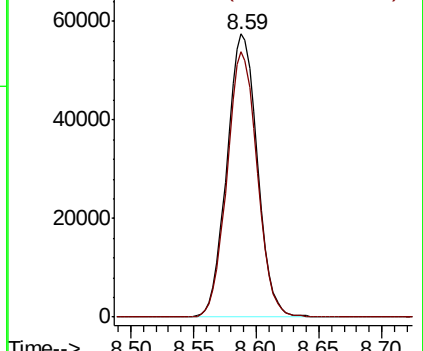
107 100

109 93.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.43 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

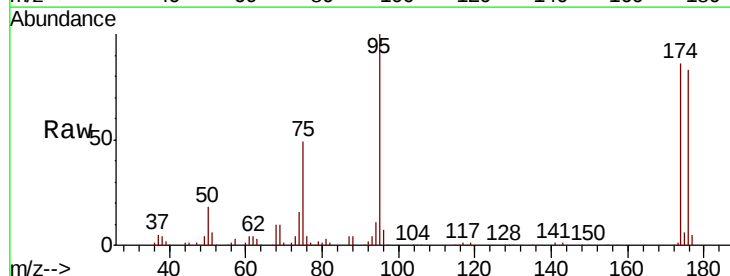
Tgt Ion: 95 Resp: 110840

Ion Ratio Lower Upper

95 100

174 87.4 0.0 172.8

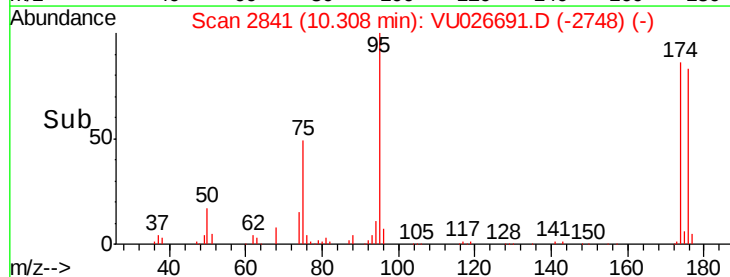
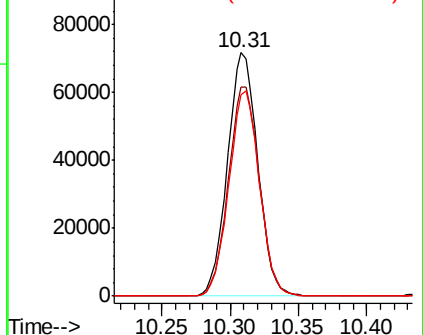
176 84.8 0.0 168.6

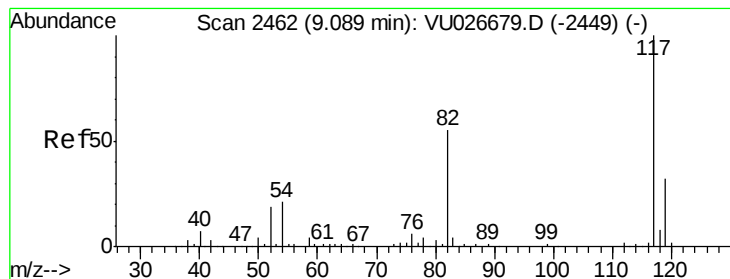


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

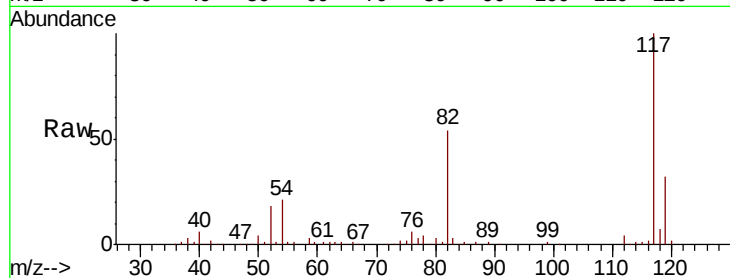
Tot Ion:117 Resp: 194234

Ion Ratio Lower Upper

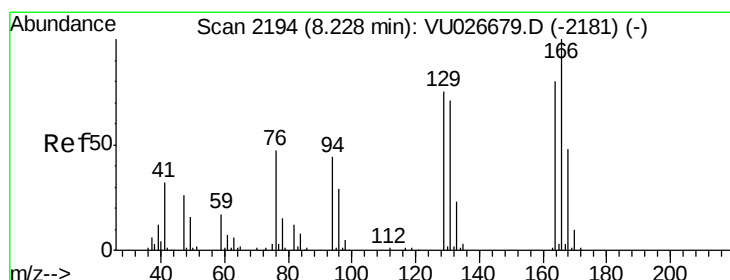
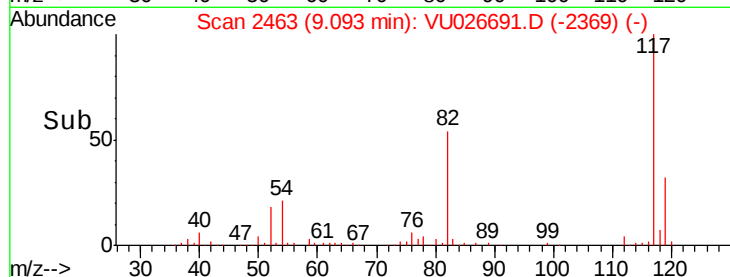
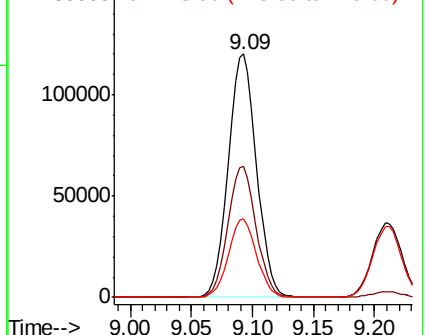
117 100

82 53.7 44.1 66.1

119 32.1 25.7 38.5



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



#64

Tetrachloroethene

Concen: 51.09 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Tgt Ion:164 Resp: 78975

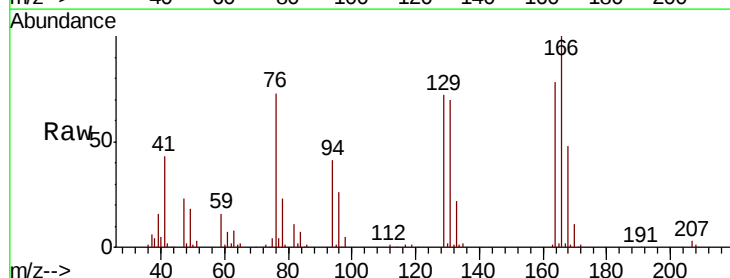
Ion Ratio Lower Upper

164 100

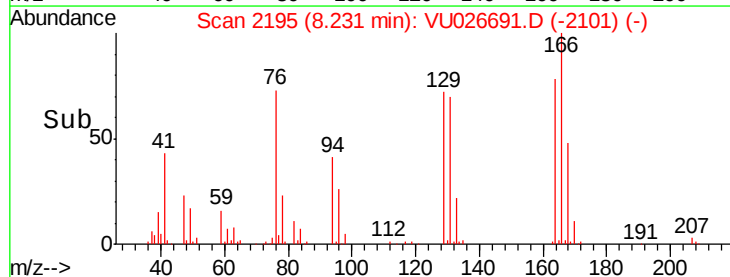
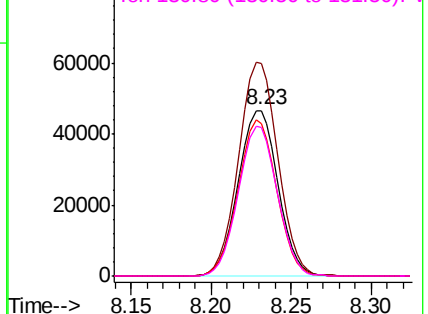
166 128.7 100.5 150.7

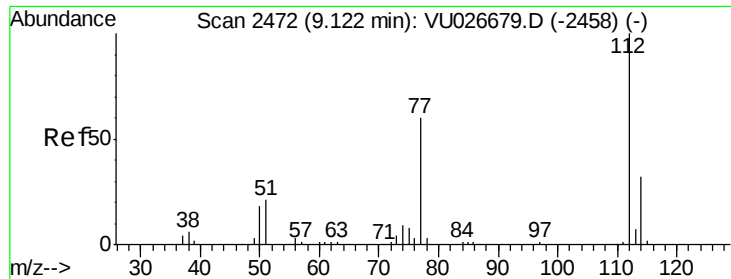
129 92.4 75.3 112.9

131 89.5 71.4 107.2



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

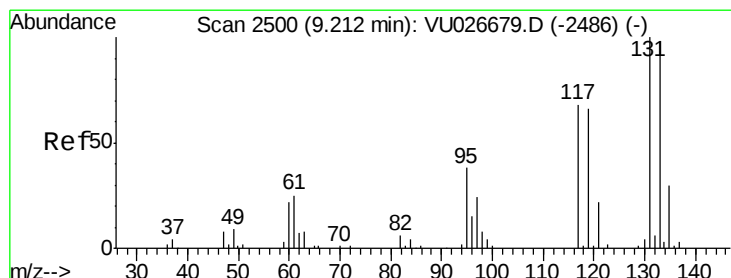
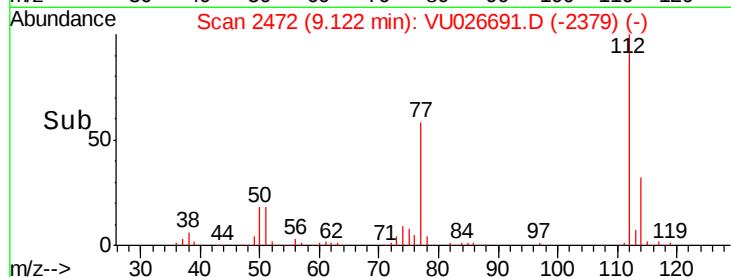
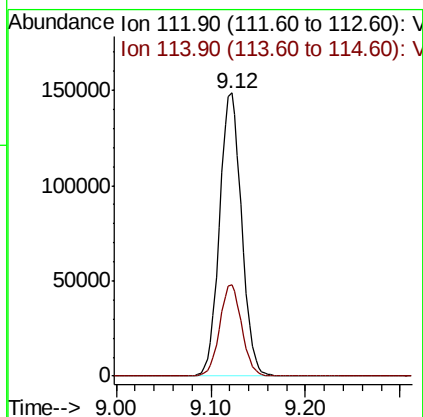
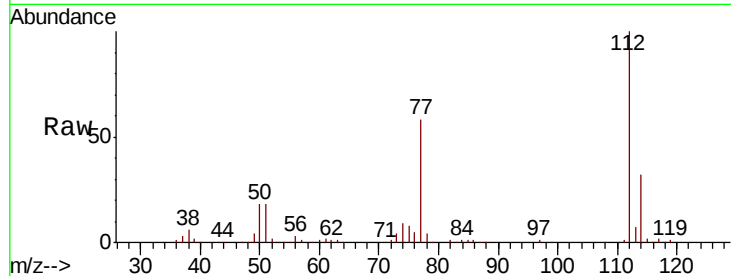




#65  
Chlorobenzene  
Concen: 49.95 ug/l  
RT: 9.12 min Scan# 2472  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

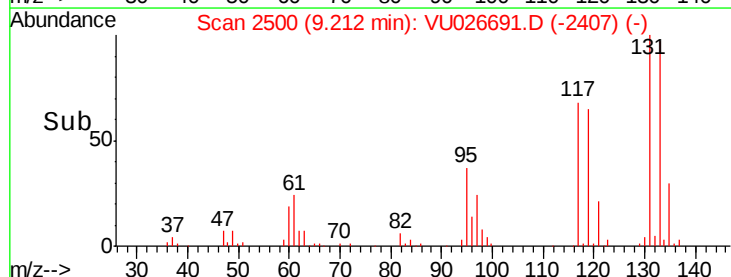
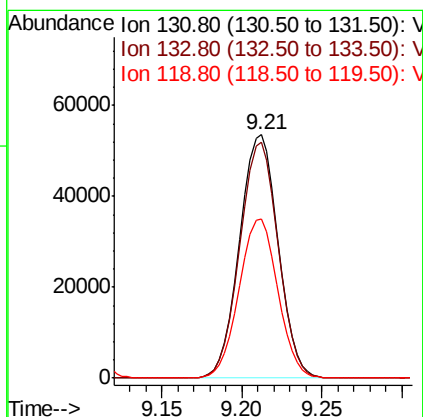
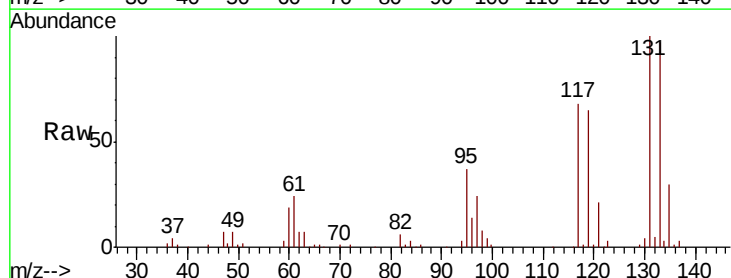
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

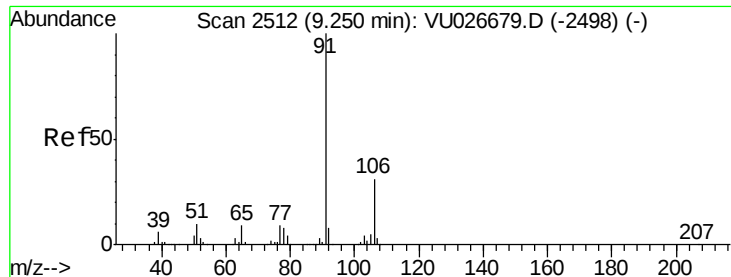
Tot Ion:112 Resp: 241024  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.56 ug/l  
RT: 9.21 min Scan# 2500  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion:131 Resp: 87992  
Ion Ratio Lower Upper  
131 100  
133 96.7 48.9 146.6  
119 65.8 32.7 98.1

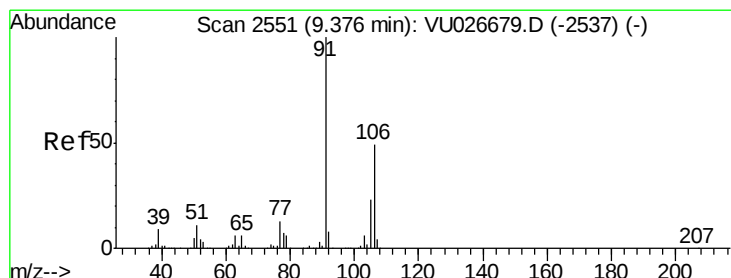
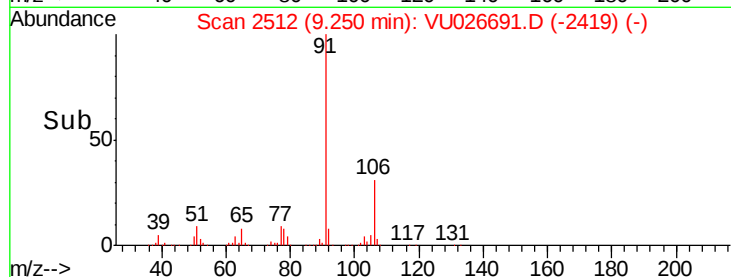
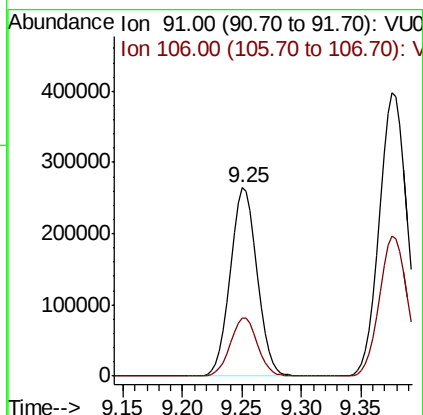
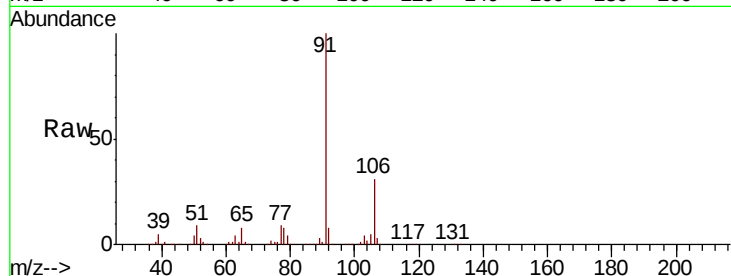




#67  
Ethyl Benzene  
Concen: 52.18 ug/l  
RT: 9.25 min Scan# 2512  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

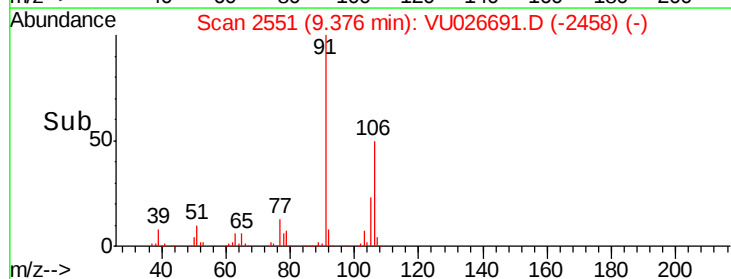
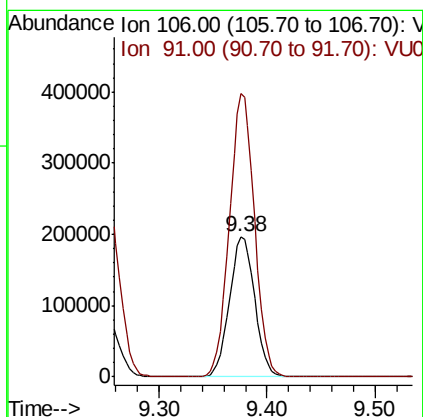
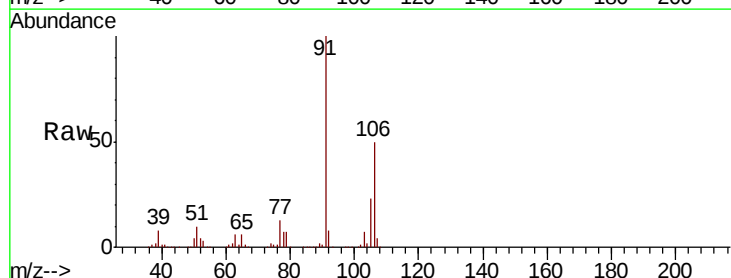
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

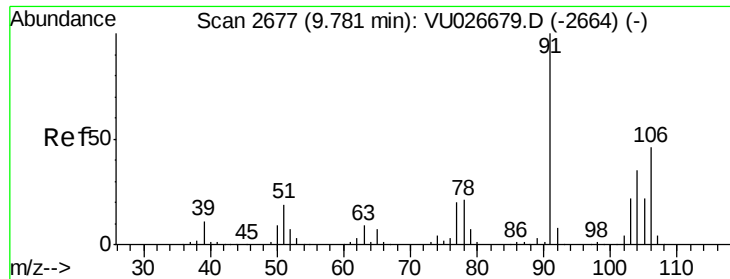
Tot Ion: 91 Resp: 414751  
Ion Ratio Lower Upper  
91 100  
106 31.0 25.0 37.4



#68  
m/p-Xylenes  
Concen: 106.20 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 106 Resp: 321126  
Ion Ratio Lower Upper  
106 100  
91 200.6 162.1 243.1

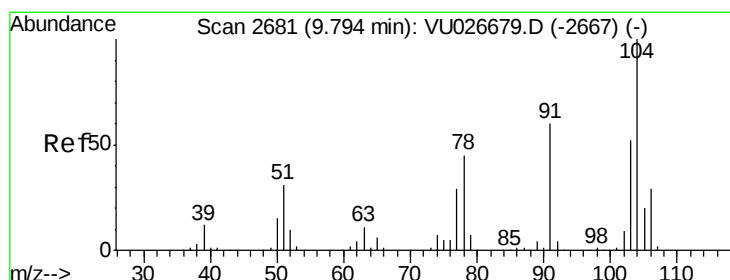
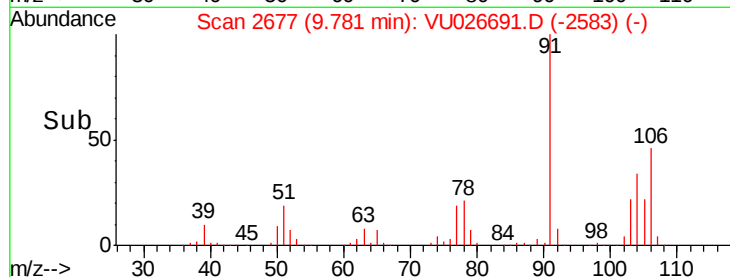
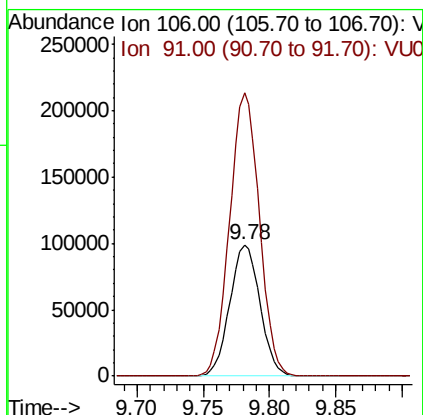
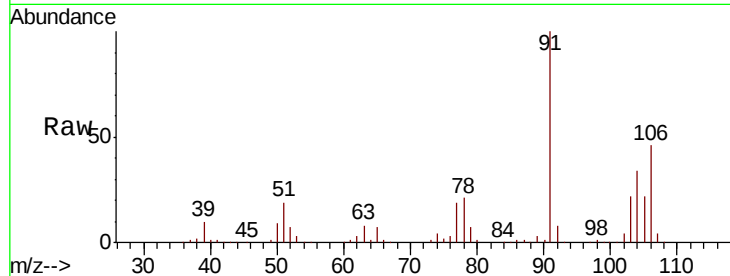




#69  
o-Xylene  
Concen: 48.36 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

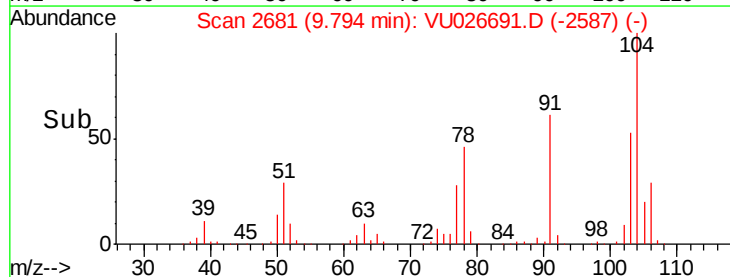
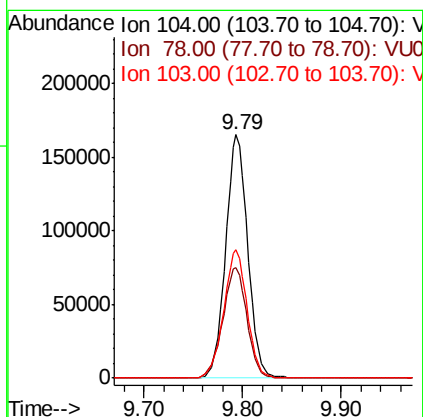
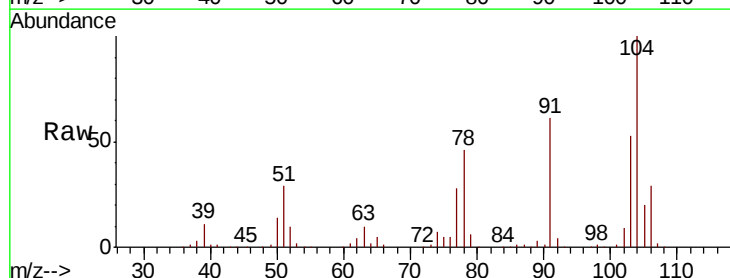
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

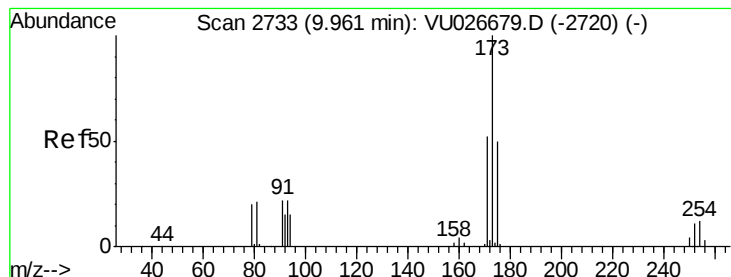
Tot Ion:106 Resp: 156095  
Ion Ratio Lower Upper  
106 100  
91 212.9 106.9 320.8



#70  
Styrene  
Concen: 47.69 ug/l  
RT: 9.79 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion:104 Resp: 259083  
Ion Ratio Lower Upper  
104 100  
78 49.7 39.4 59.2  
103 55.7 44.5 66.7





#71

Bromoform

Concen: 51.56 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

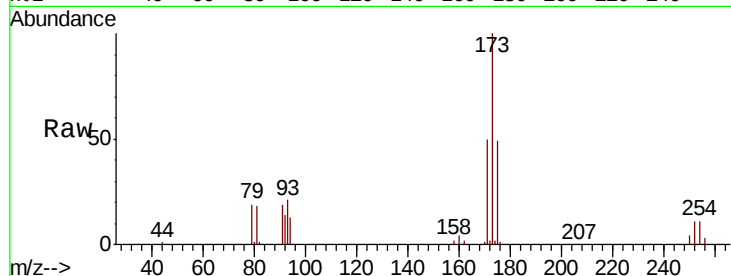
Tot Ion:173 Resp: 79616

Ion Ratio Lower Upper

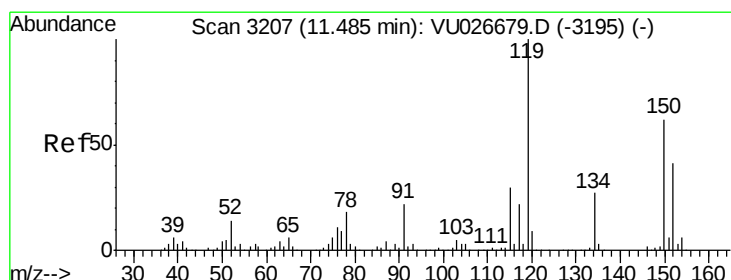
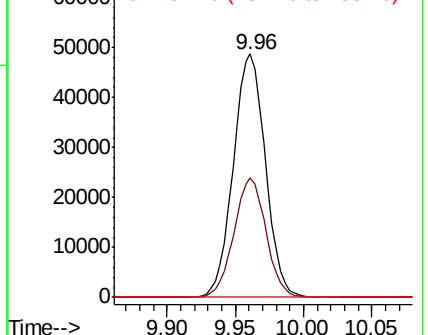
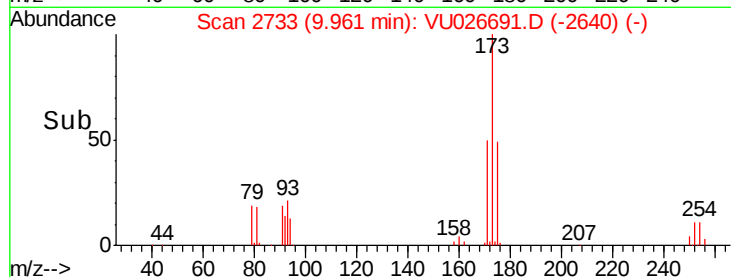
173 100

175 48.9 24.7 74.1

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

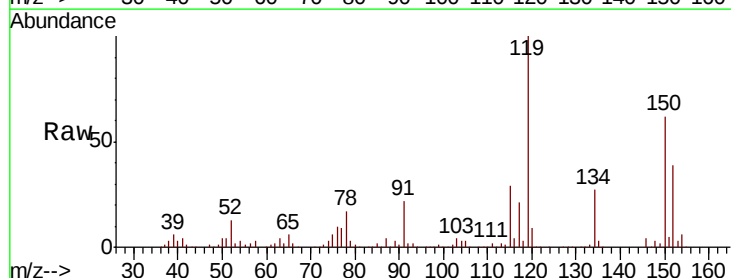
Tgt Ion:152 Resp: 115167

Ion Ratio Lower Upper

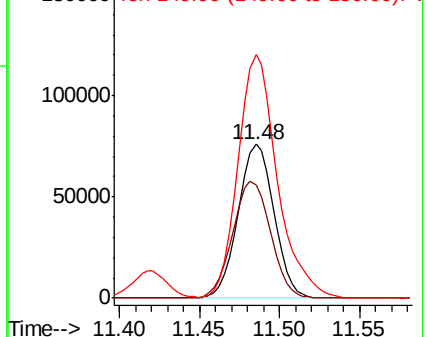
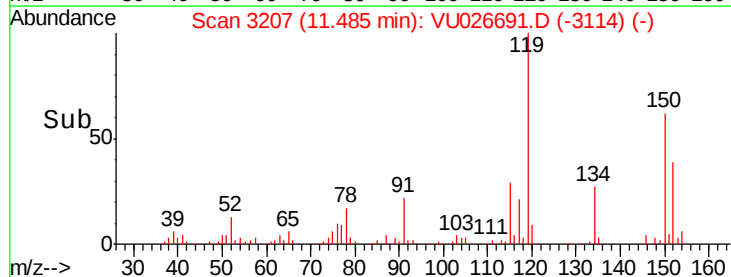
152 100

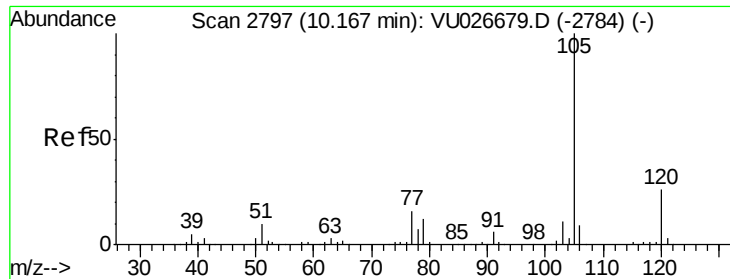
115 80.6 40.4 121.1

150 173.8 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.22 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

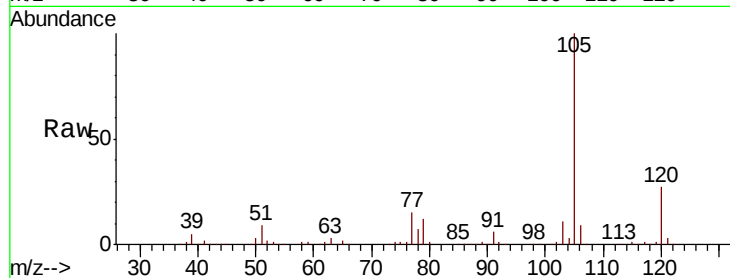
VSTDCCC050

Tot Ion:105 Resp: 417663

Ion Ratio Lower Upper

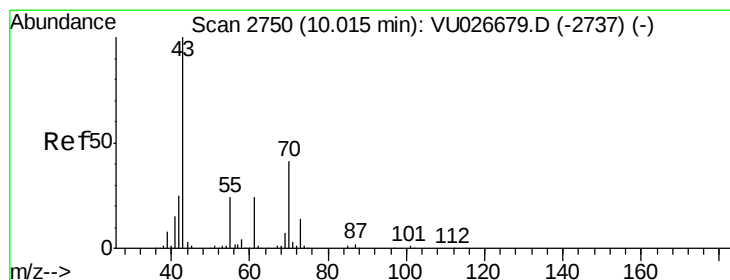
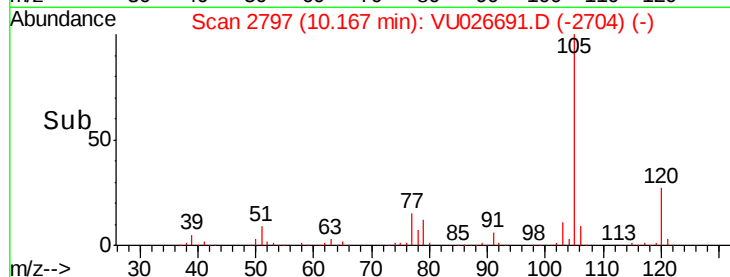
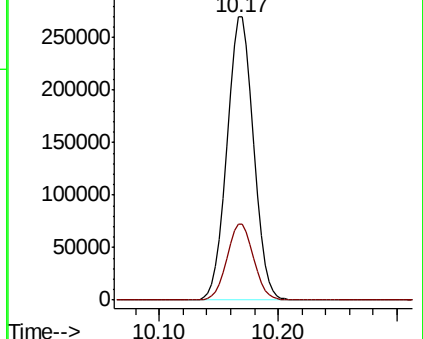
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.42 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Tgt Ion: 43 Resp: 190518

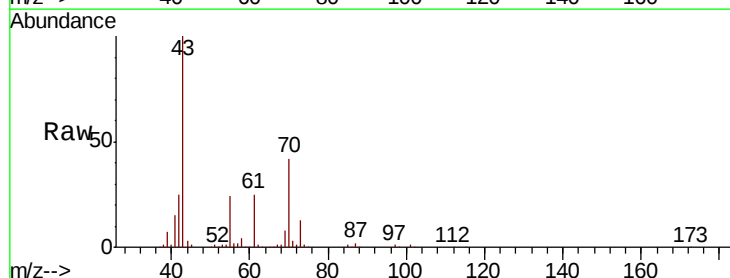
Ion Ratio Lower Upper

43 100

70 42.1 32.6 48.8

55 23.9 19.1 28.7

61 24.8 19.4 29.0

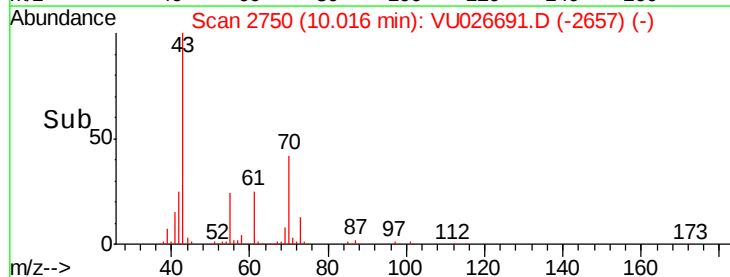
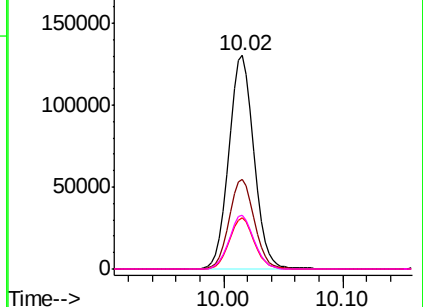


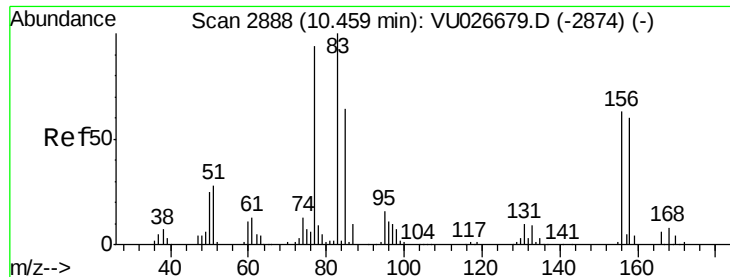
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.57 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

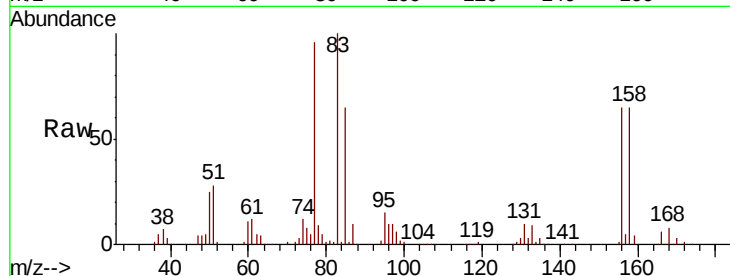
Tot Ion: 83 Resp: 148950

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

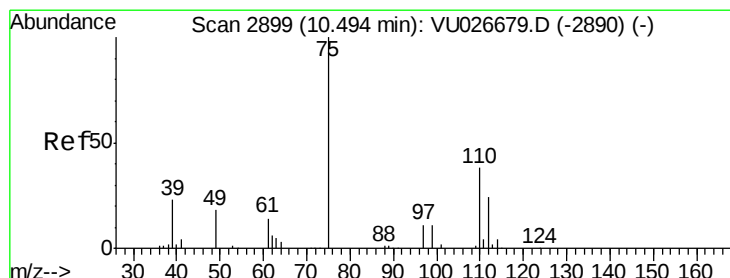
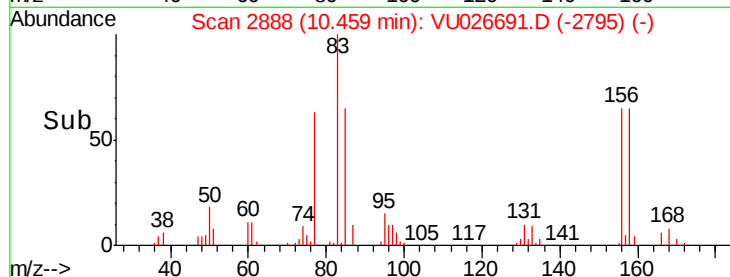
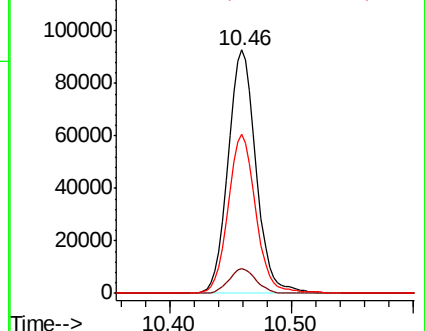
85 65.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VU026691.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU026691.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU026691.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 66.56 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU026691.D

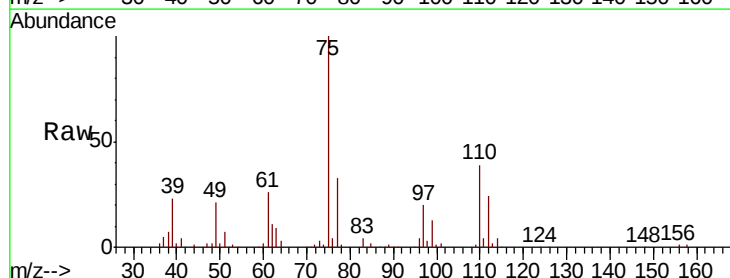
Acq: 12 Sep 2018 08:46

Tgt Ion: 75 Resp: 171713

Ion Ratio Lower Upper

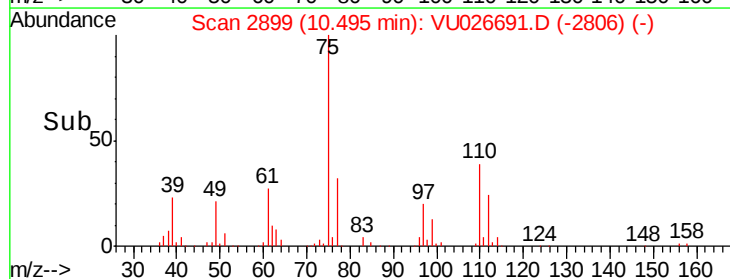
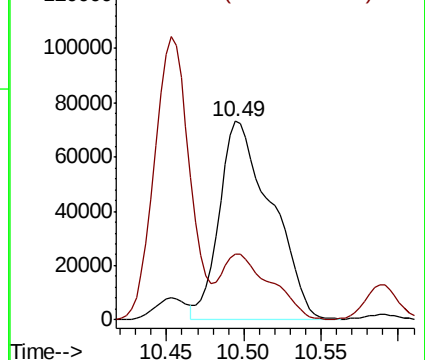
75 100

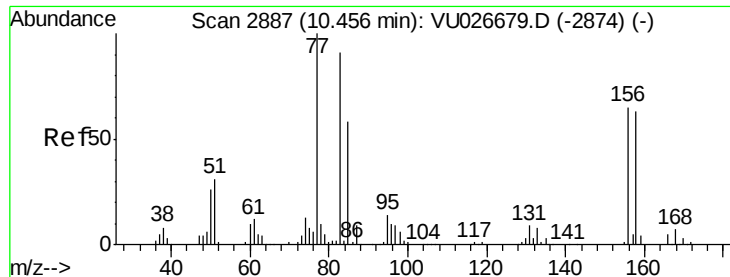
77 30.4 21.1 63.1



Abundance Ion 74.90 (74.60 to 75.60): VU026691.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU026691.D (-2890) (-)





#77

Bromobenzene

Concen: 50.98 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

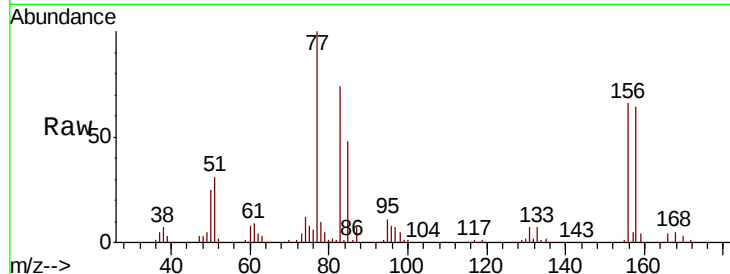
Tot Ion:156 Resp: 108738

Ion Ratio Lower Upper

156 100

77 152.0 77.6 232.9

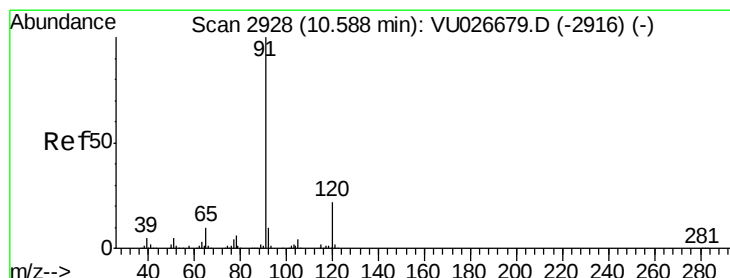
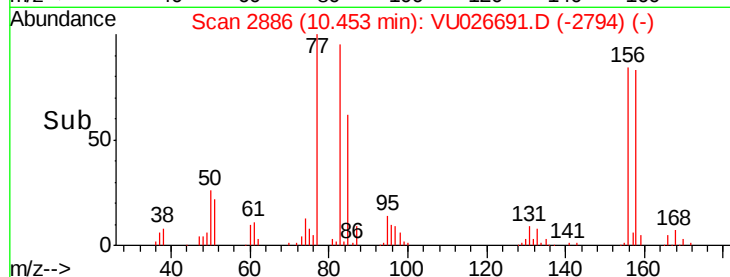
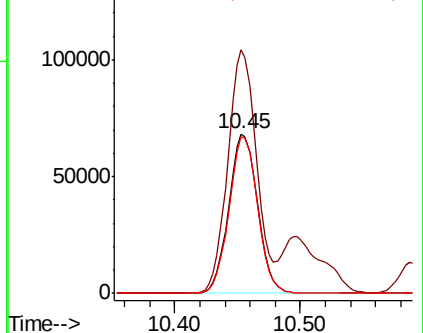
158 97.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.17 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU026691.D

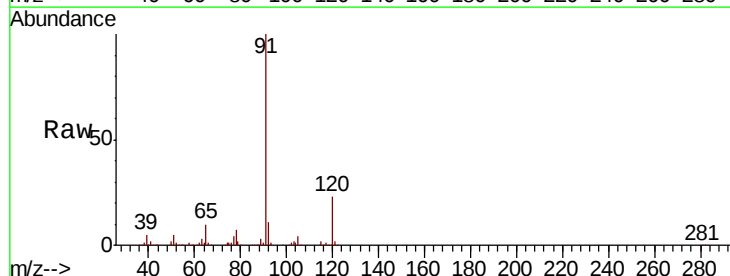
Acq: 12 Sep 2018 08:46

Tgt Ion: 91 Resp: 494426

Ion Ratio Lower Upper

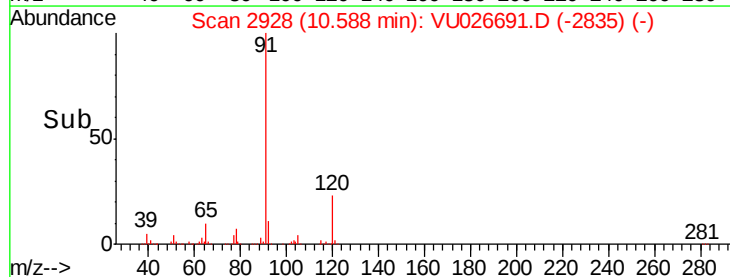
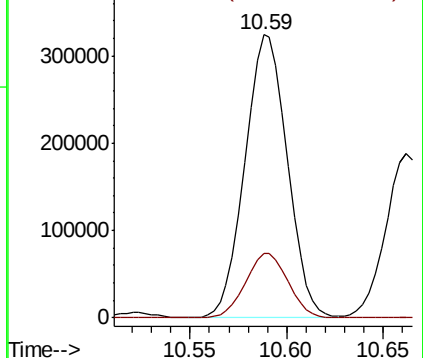
91 100

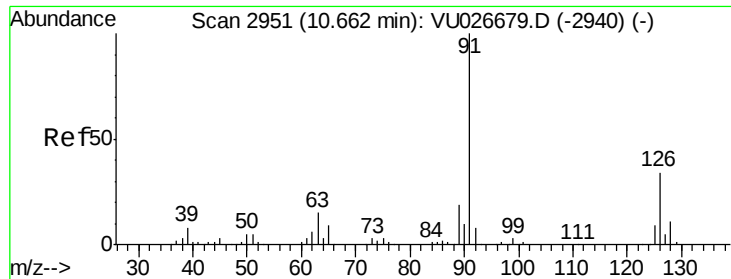
120 23.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

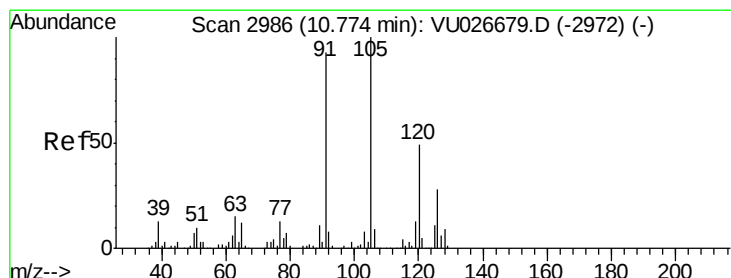
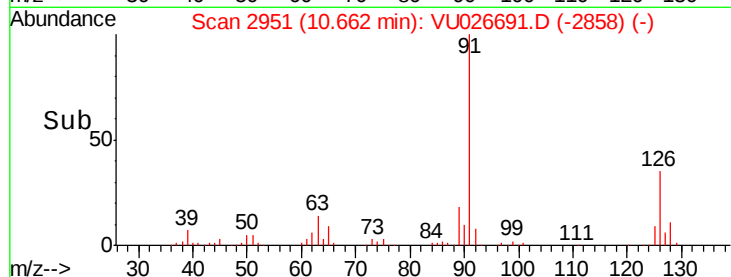
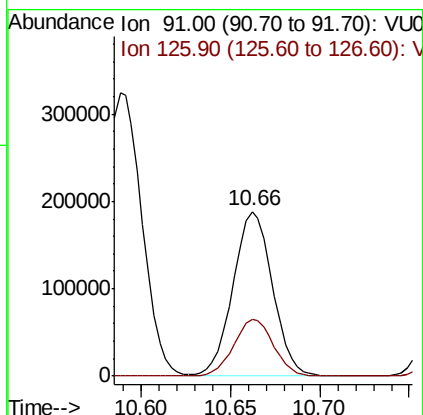
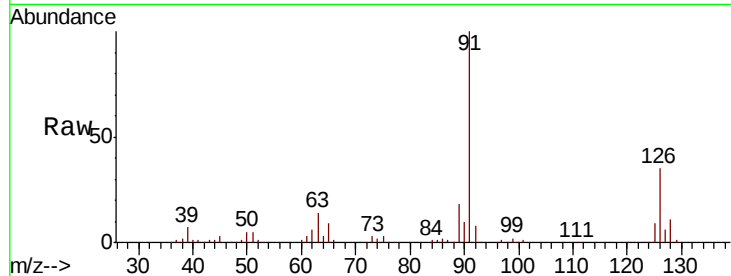




#79  
 2-Chlorotoluene  
 Concen: 51.24 ug/l  
 RT: 10.66 min Scan# 2951  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

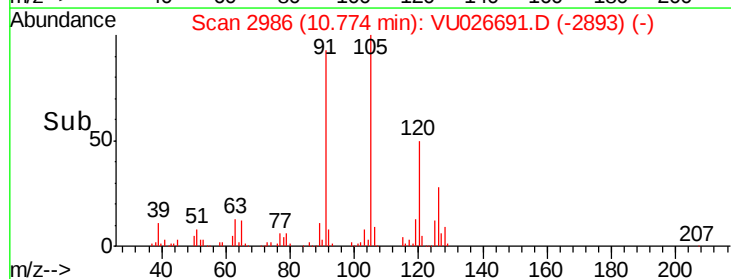
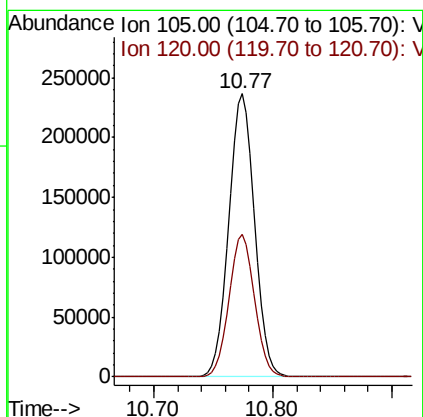
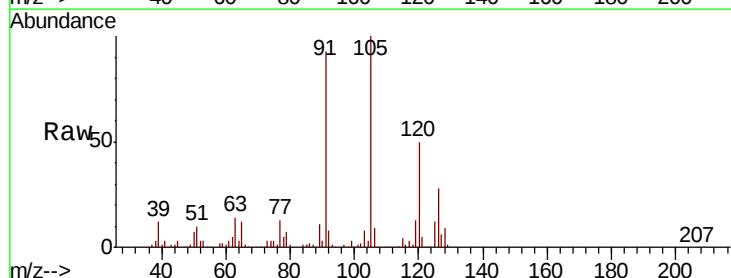
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

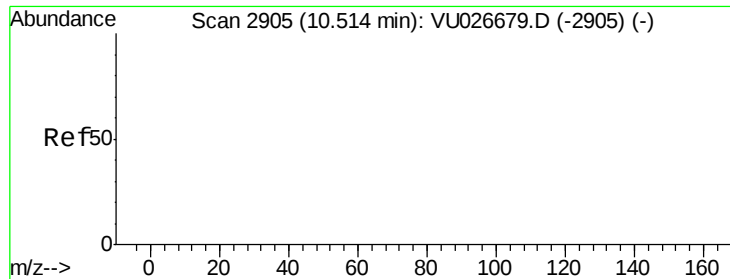
Tot Ion: 91 Resp: 289923  
 Ion Ratio Lower Upper  
 91 100  
 126 34.9 17.3 51.7



#80  
 1,3,5-Trimethylbenzene  
 Concen: 53.74 ug/l  
 RT: 10.77 min Scan# 2986  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Tgt Ion: 105 Resp: 354479  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 144.73 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

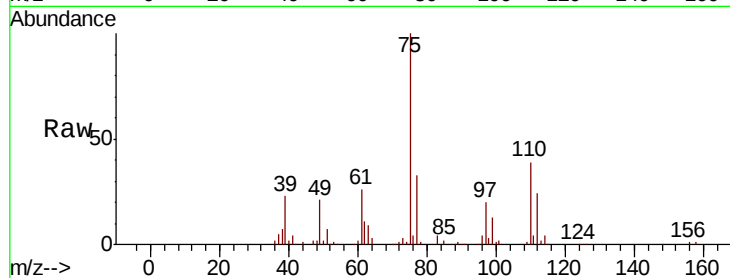
Tot Ion: 75 Resp: 171713

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

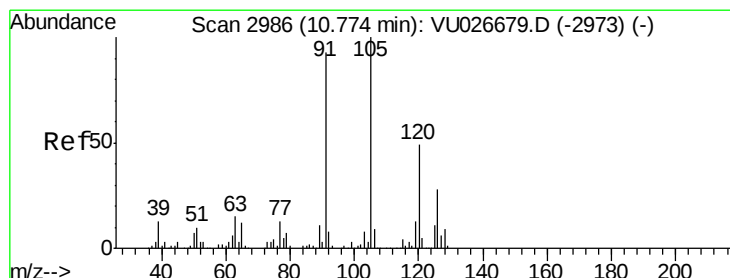
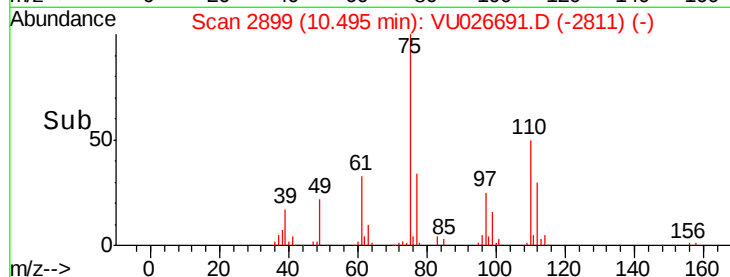
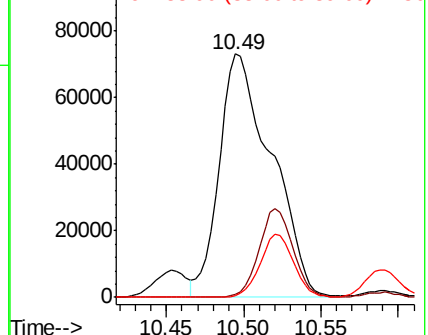
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 52.77 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026691.D

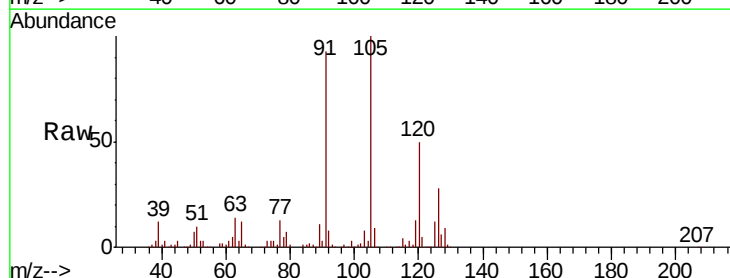
Acq: 12 Sep 2018 08:46

Tgt Ion: 91 Resp: 335500

Ion Ratio Lower Upper

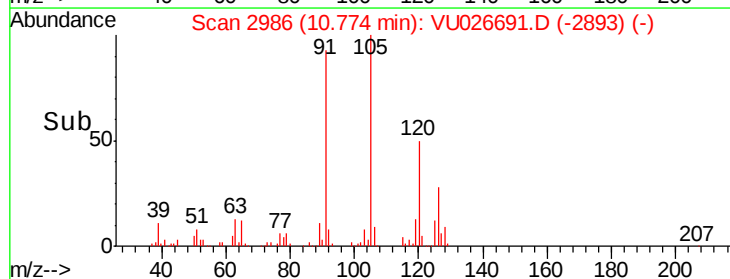
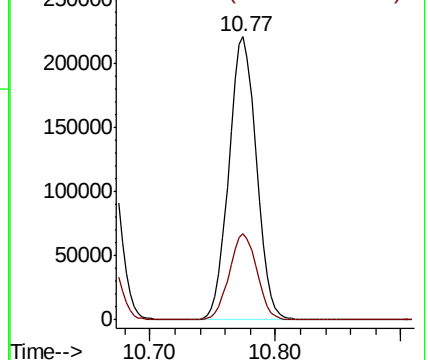
91 100

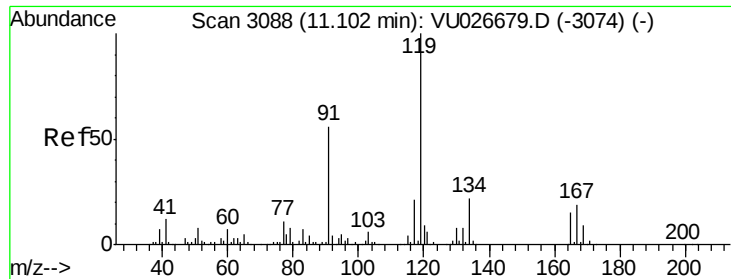
126 30.6 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

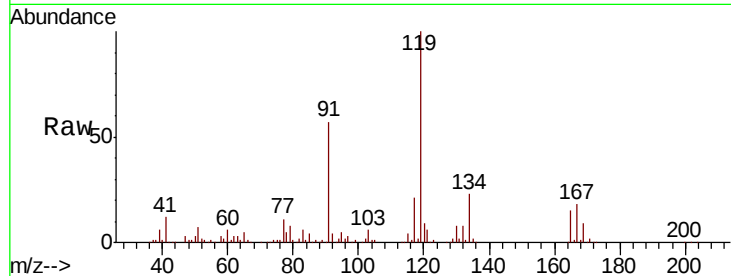




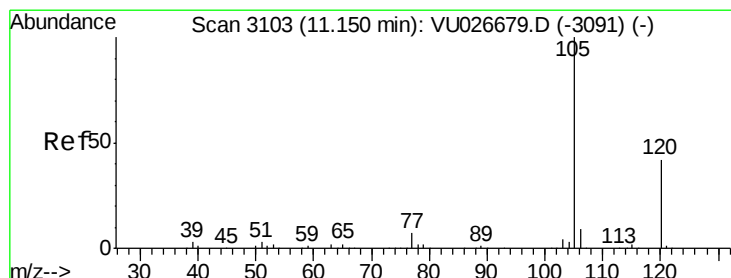
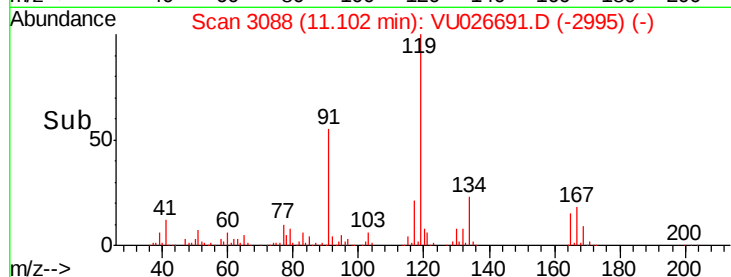
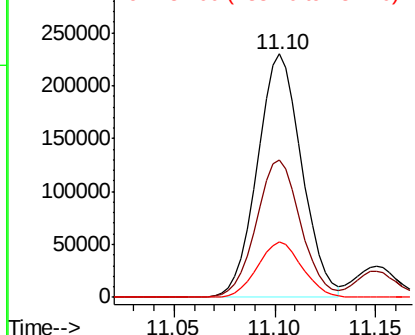
#83  
tert-Butylbenzene  
Concen: 52.73 ug/l  
RT: 11.10 min Scan# 3088  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

Tot Ion:119 Resp: 353004  
Ion Ratio Lower Upper  
119 100  
91 56.5 28.3 85.0  
134 22.8 11.2 33.5

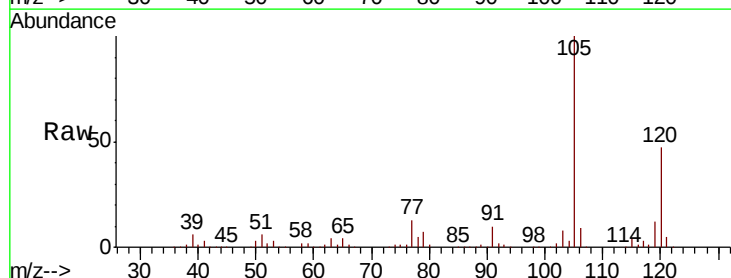


Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V

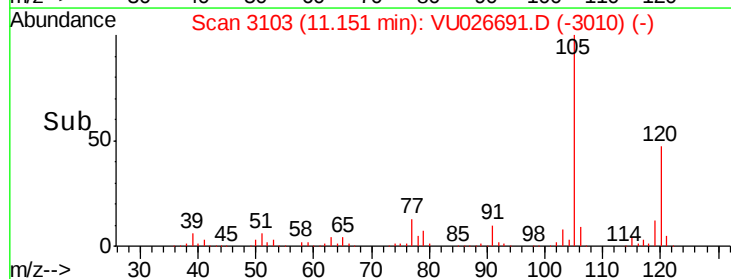
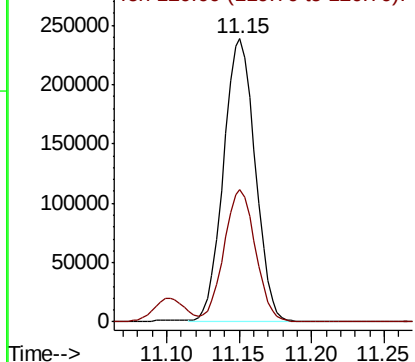


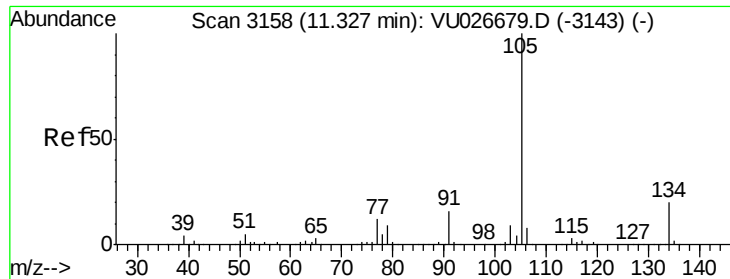
#84  
1,2,4-Trimethylbenzene  
Concen: 54.29 ug/l  
RT: 11.15 min Scan# 3103  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion:105 Resp: 361208  
Ion Ratio Lower Upper  
105 100  
120 46.4 23.3 69.8



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

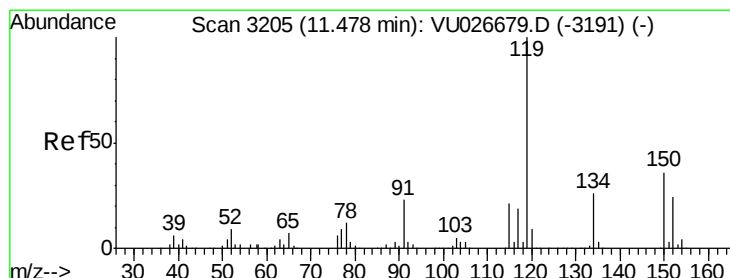
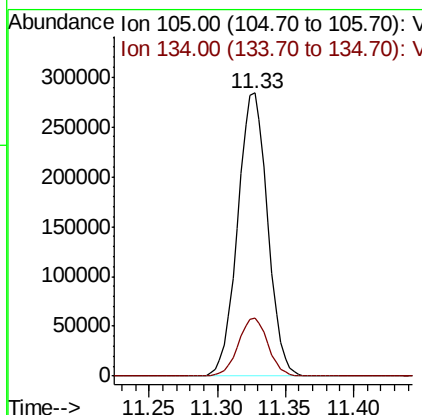
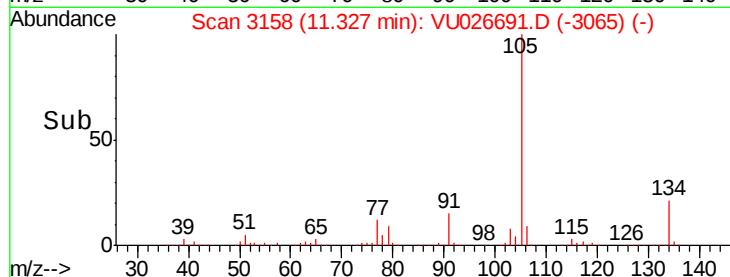
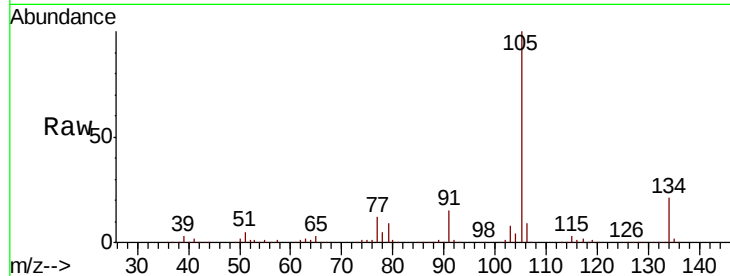




#85  
 sec-Butylbenzene  
 Concen: 54.39 ug/l  
 RT: 11.33 min Scan# 3158  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

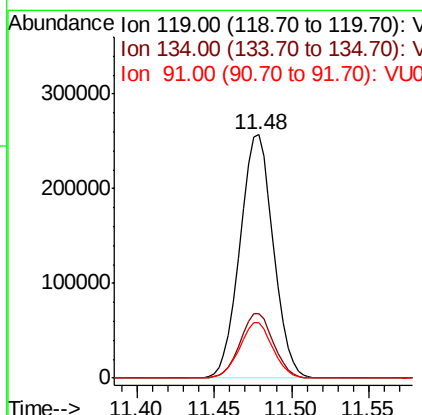
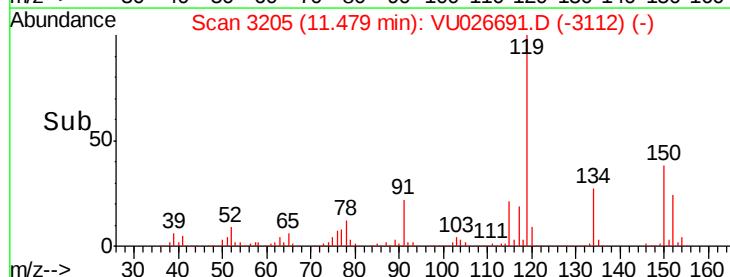
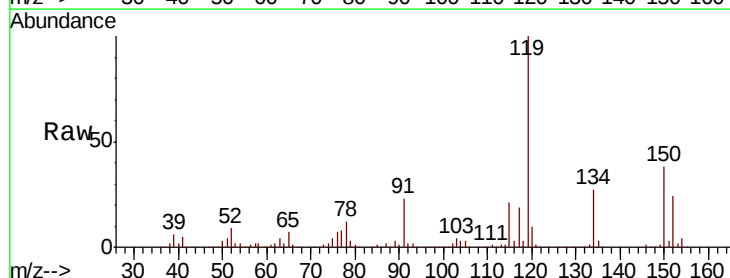
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

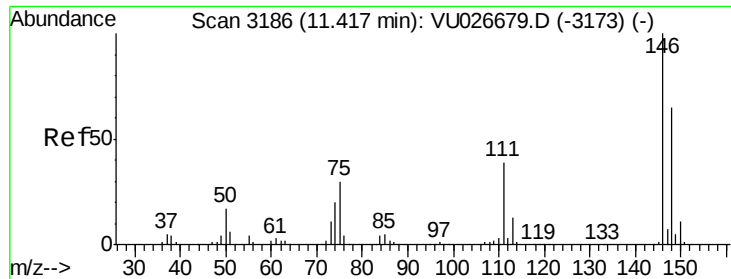
Tot Ion:105 Resp: 432366  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 10.1 30.1



#86  
 p-Isopropyltoluene  
 Concen: 50.30 ug/l  
 RT: 11.48 min Scan# 3205  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Tgt Ion:119 Resp: 384509  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 13.2 39.5  
 91 22.7 11.6 34.8

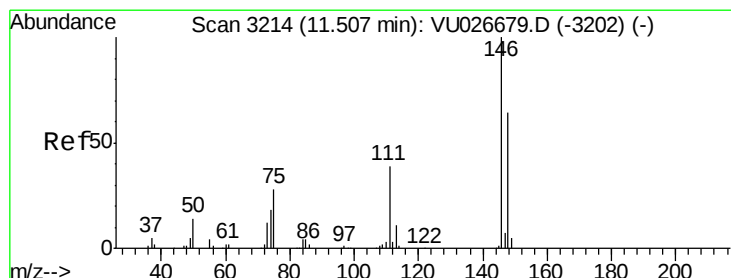
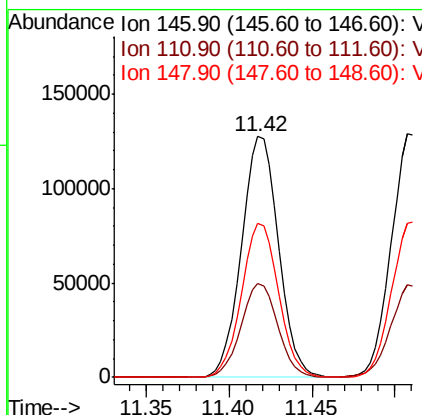
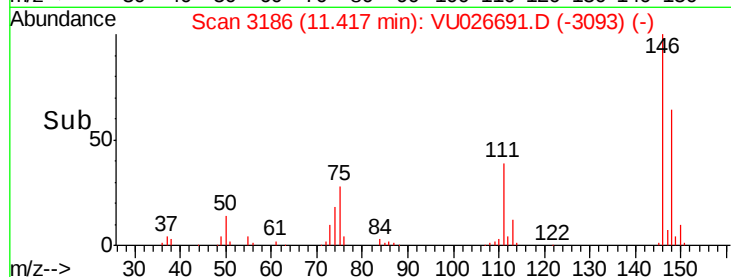
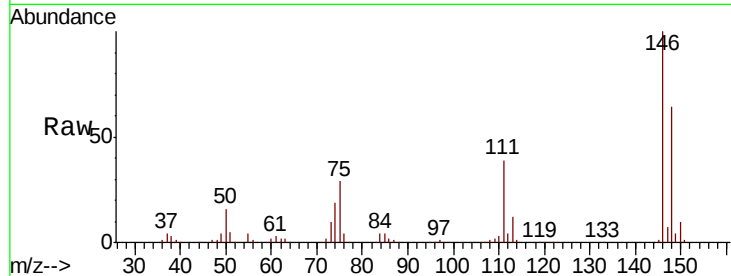




#87  
 1,3-Dichlorobenzene  
 Concen: 49.92 ug/l  
 RT: 11.42 min Scan# 3186  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

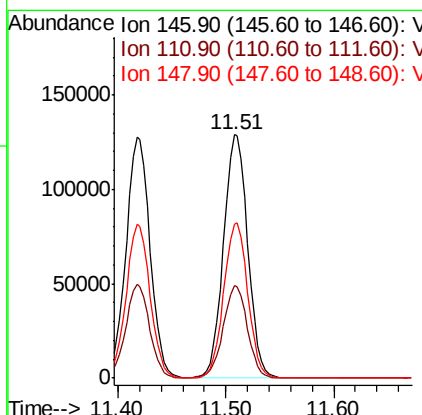
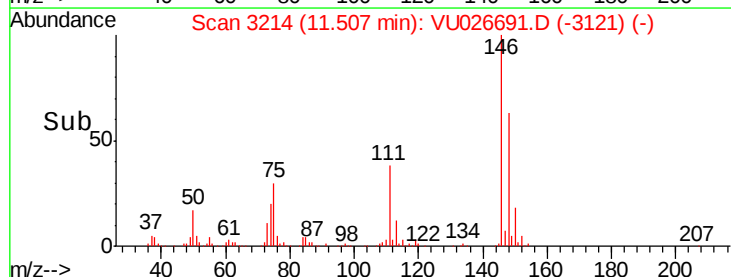
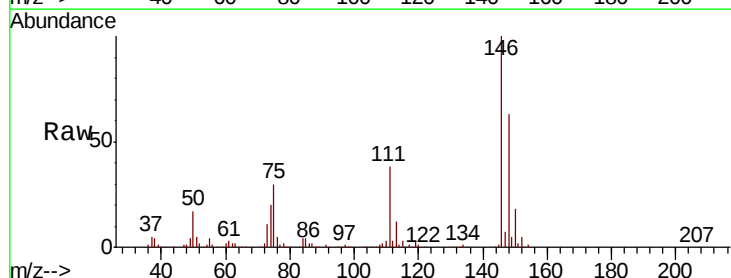
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

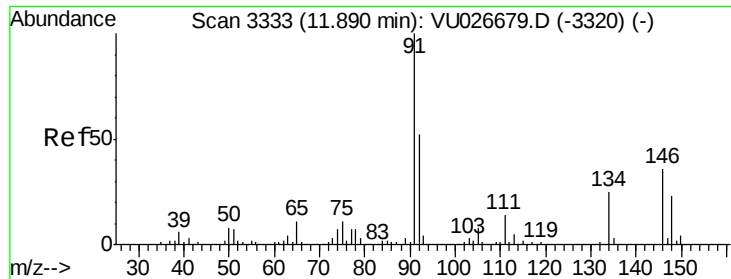
Tot Ion:146 Resp: 198628  
 Ion Ratio Lower Upper  
 146 100  
 111 38.7 19.7 59.1  
 148 63.7 32.1 96.3



#88  
 1,4-Dichlorobenzene  
 Concen: 48.74 ug/l  
 RT: 11.51 min Scan# 3214  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Tgt Ion:146 Resp: 201398  
 Ion Ratio Lower Upper  
 146 100  
 111 38.2 19.2 57.6  
 148 63.8 32.1 96.3

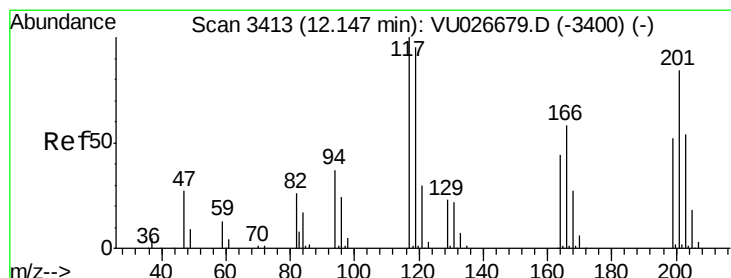
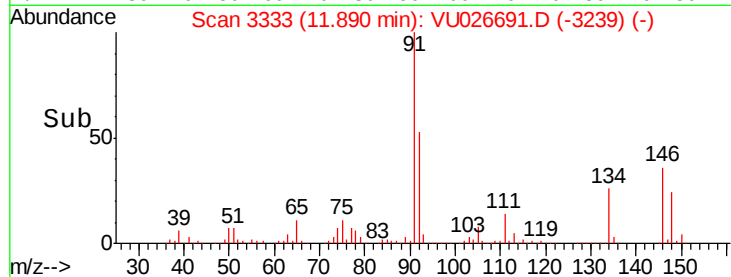
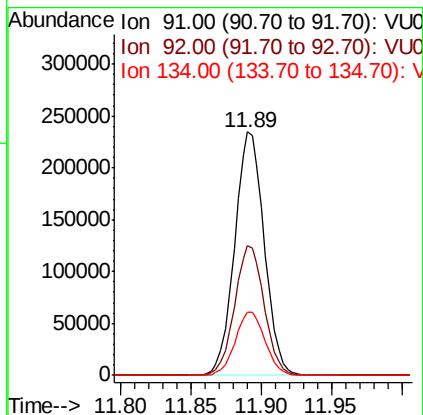
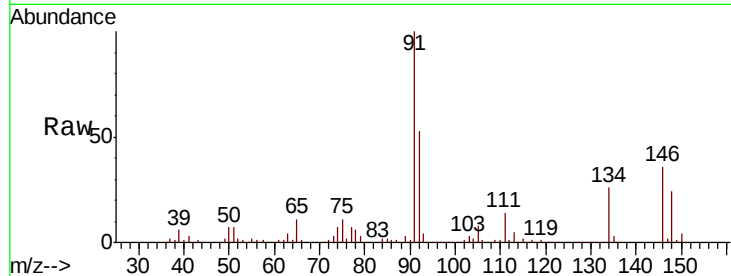




#89  
n-Butylbenzene  
Concen: 49.12 ug/l  
RT: 11.89 min Scan# 3333  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

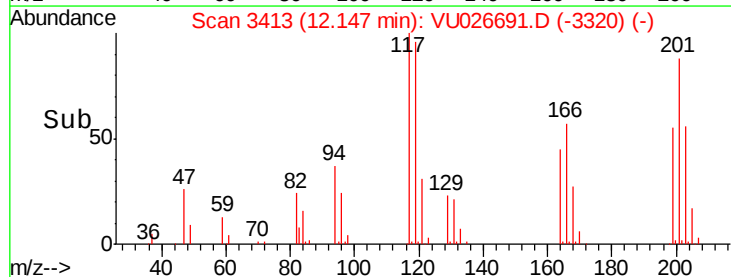
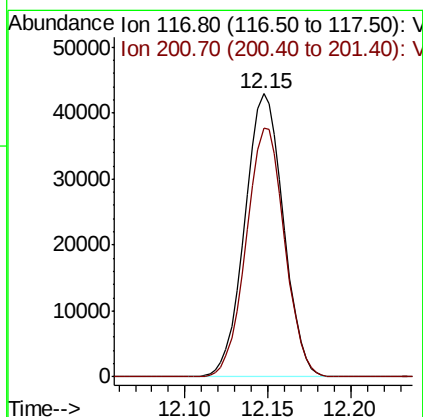
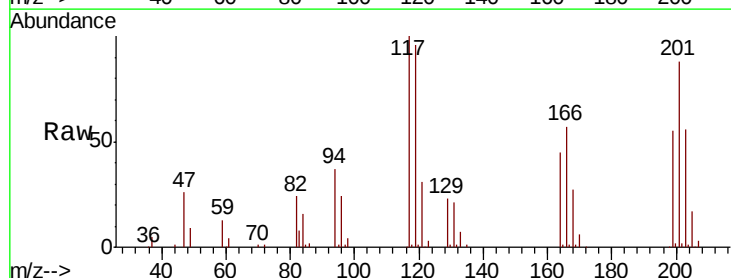
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC050

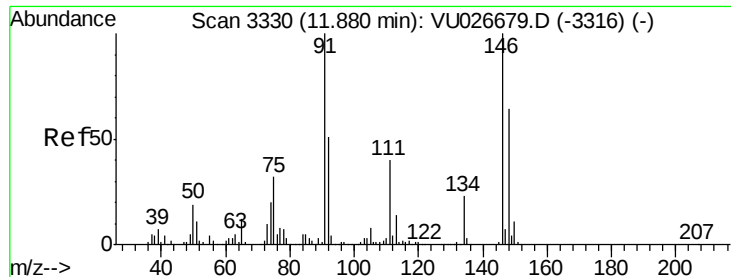
Tot Ion: 91 Resp: 344140  
Ion Ratio Lower Upper  
91 100  
92 53.2 25.8 77.3  
134 26.3 12.6 37.8



#90  
Hexachloroethane  
Concen: 49.46 ug/l  
RT: 12.15 min Scan# 3413  
Delta R.T. 0.00 min  
Lab File: VU026691.D  
Acq: 12 Sep 2018 08:46

Tgt Ion: 117 Resp: 69389  
Ion Ratio Lower Upper  
117 100  
201 87.4 42.4 127.1





#91

1,2-Dichlorobenzene

Concen: 49.52 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC050

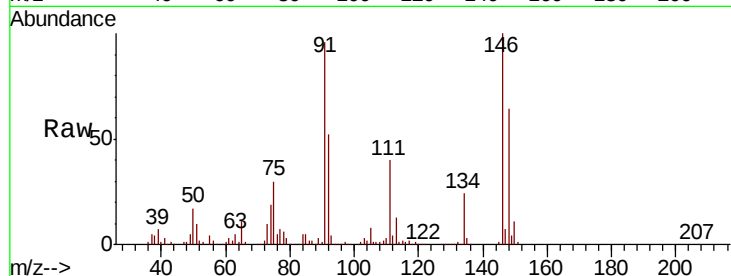
Tot Ion:146 Resp: 198229

Ion Ratio Lower Upper

146 100

111 40.5 20.3 60.8

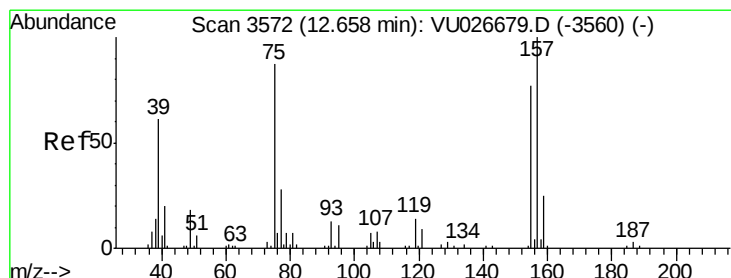
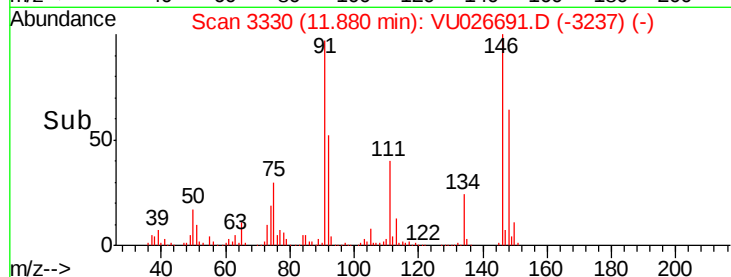
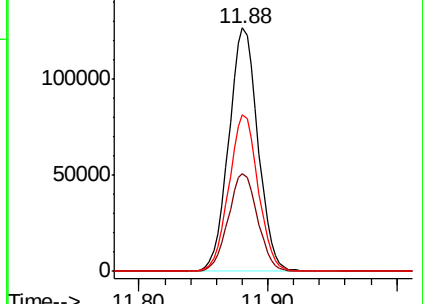
148 64.7 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.48 ug/l

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

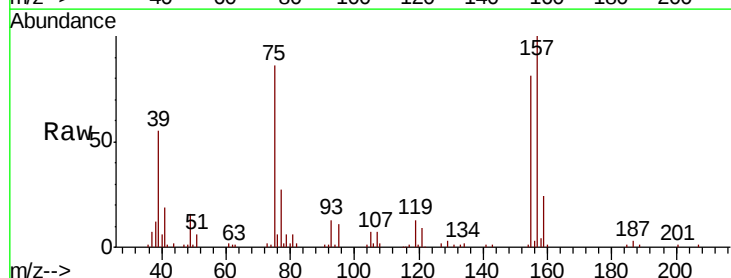
Tgt Ion: 75 Resp: 32372

Ion Ratio Lower Upper

75 100

155 93.8 44.1 132.4

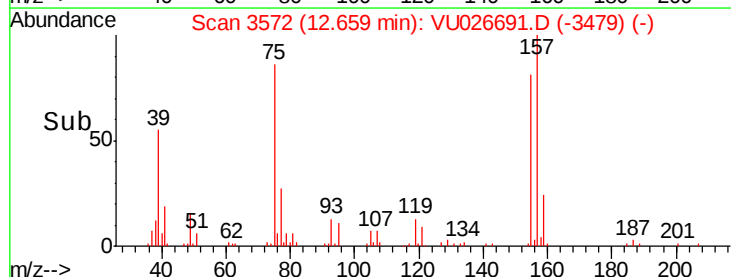
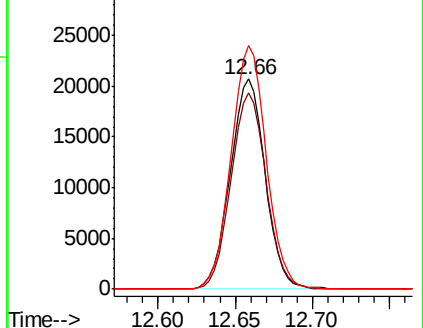
157 116.6 57.2 171.6

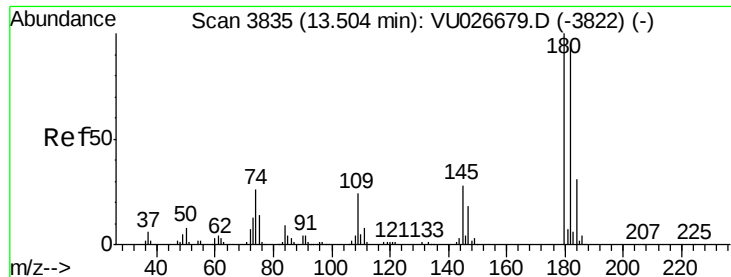


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

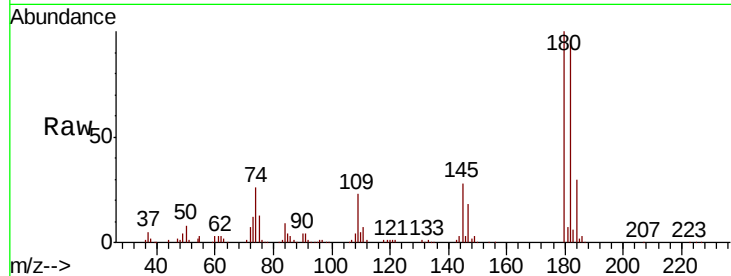




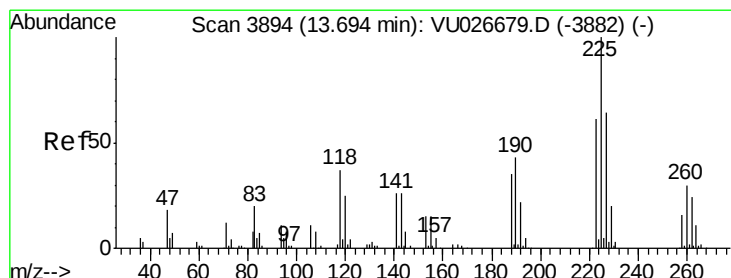
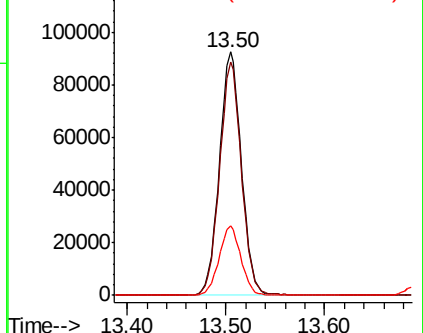
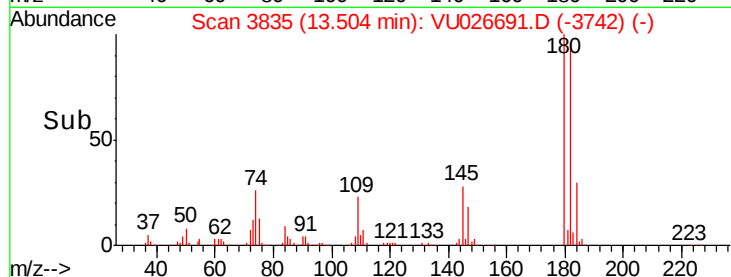
#93  
 1,2,4-Trichlorobenzene  
 Concen: 54.62 ug/l  
 RT: 13.50 min Scan# 3835  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050

Tot Ion:180 Resp: 145178  
 Ion Ratio Lower Upper  
 180 100  
 182 94.9 47.9 143.7  
 145 28.2 14.0 42.0

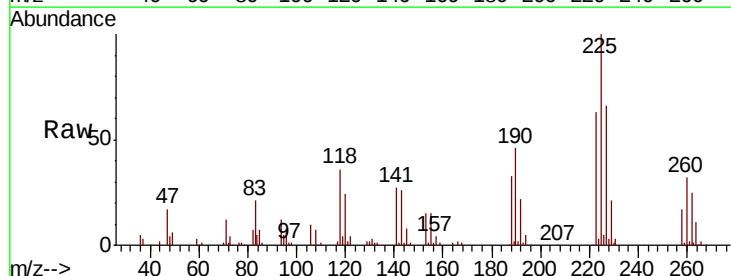


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

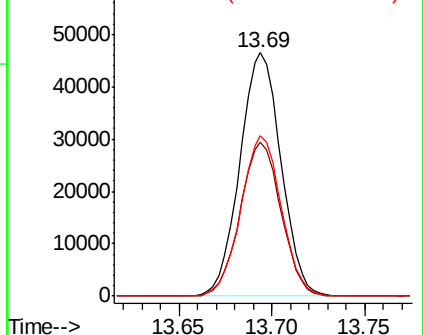
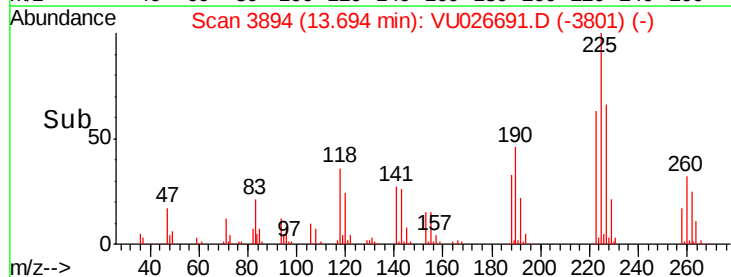


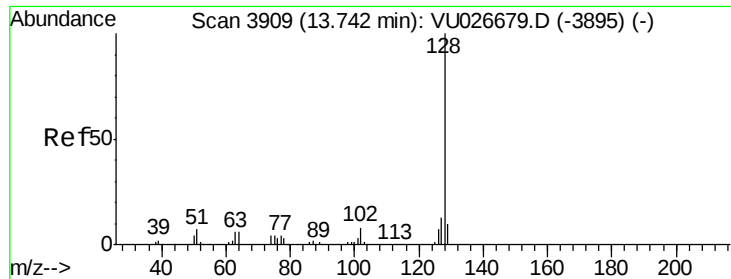
#94  
 Hexachlorobutadiene  
 Concen: 52.38 ug/l  
 RT: 13.69 min Scan# 3894  
 Delta R.T. 0.00 min  
 Lab File: VU026691.D  
 Acq: 12 Sep 2018 08:46

Tgt Ion:225 Resp: 71626  
 Ion Ratio Lower Upper  
 225 100  
 223 62.7 30.6 92.0  
 227 64.7 32.1 96.3



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





#95

Naphthalene

Concen: 50.36 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Instrument :

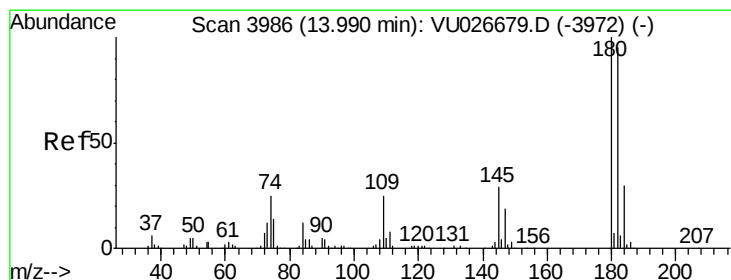
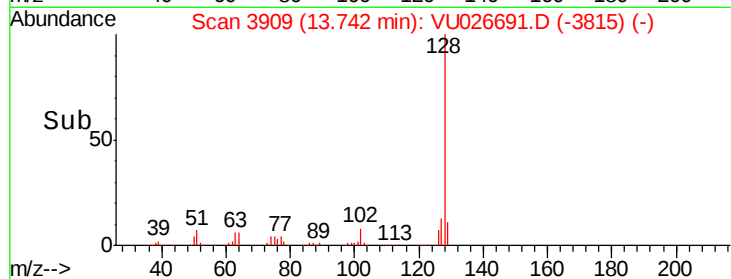
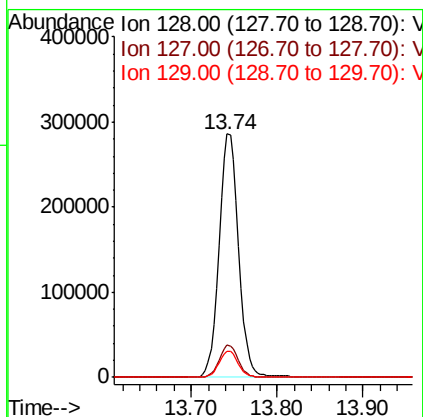
MSVOA\_U

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 450358

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.9  | 10.4  | 15.6  |
| 129 | 10.9  | 8.6   | 12.8  |



#96

1,2,3-Trichlorobenzene

Concen: 54.44 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026691.D

Acq: 12 Sep 2018 08:46

Tgt Ion:180 Resp: 151140

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.9  | 47.9  | 143.7 |
| 145 | 29.3  | 14.9  | 44.9  |

