

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\  
 Data File : VU034319.D  
 Acq On : 06 Sep 2019 10:31  
 Operator : JC/SP  
 Sample : VU0907WBS01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 06 12:23:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 06 05:10:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.96  | 168  | 288427   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.87  | 114  | 424198   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.07  | 117  | 419243   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 277271   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 5.29   | 65  | 224848   | 51.52 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.04% |      |
| 35) Dibromofluoromethane  | 4.86   | 113 | 198689   | 50.34 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.68% |      |
| 50) Toluene-d8            | 7.54   | 98  | 777486   | 52.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.86% |      |
| 62) 4-Bromofluorobenzene  | 10.29  | 95  | 286276   | 50.00 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.00% |      |

## Target Compounds

|                               |      |     |        |         |        | Qvalue |
|-------------------------------|------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 56773  | 18.821  | ug/l   | 98     |
| 3) Chloromethane              | 1.32 | 50  | 66896  | 20.476  | ug/l   | 96     |
| 4) Vinyl Chloride             | 1.40 | 62  | 68719  | 18.281  | ug/l   | 99     |
| 5) Bromomethane               | 1.62 | 94  | 42662  | 19.792  | ug/l   | 99     |
| 6) Chloroethane               | 1.69 | 64  | 45684  | 20.315  | ug/l   | 98     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 96770  | 19.200  | ug/l   | 98     |
| 8) Diethyl Ether              | 2.09 | 74  | 43211  | 19.491  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.28 | 101 | 64439  | 19.304  | ug/l   | 98     |
| 10) Methyl Iodide             | 2.40 | 142 | 41625  | 16.427  | ug/l   | 98     |
| 11) Tert butyl alcohol        | 2.81 | 59  | 89349  | 96.913  | ug/l   | 100    |
| 12) 1,1-Dichloroethene        | 2.27 | 96  | 61623  | 19.637  | ug/l   | 96     |
| 13) Acrolein                  | 2.18 | 56  | 59410  | 76.669  | ug/l   | 99     |
| 14) Allyl chloride            | 2.58 | 41  | 97853  | 16.310  | ug/l   | 90     |
| 15) Acrylonitrile             | 2.92 | 53  | 231870 | 100.994 | ug/l   | 97     |
| 16) Acetone                   | 2.31 | 43  | 223766 | 99.084  | ug/l   | 99     |
| 17) Carbon Disulfide          | 2.47 | 76  | 124750 | 17.688  | ug/l   | 98     |
| 18) Methyl Acetate            | 2.60 | 43  | 103894 | 18.907  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether   | 2.98 | 73  | 228610 | 19.987  | ug/l   | 99     |
| 20) Methylene Chloride        | 2.69 | 84  | 77562  | 20.734  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene  | 2.97 | 96  | 63768  | 19.283  | ug/l   | 97     |
| 22) Diisopropyl ether         | 3.55 | 45  | 242597 | 20.735  | ug/l # | 90     |
| 23) Vinyl Acetate             | 3.50 | 43  | 960519 | 100.787 | ug/l   | 99     |
| 24) 1,1-Dichloroethane        | 3.43 | 63  | 134686 | 19.277  | ug/l   | 100    |
| 25) 2-Butanone                | 4.24 | 43  | 308596 | 102.368 | ug/l   | 100    |
| 26) 2,2-Dichloropropane       | 4.20 | 77  | 110461 | 19.657  | ug/l   | 100    |
| 27) cis-1,2-Dichloroethene    | 4.21 | 96  | 81974  | 20.410  | ug/l   | 97     |
| 28) Bromochloromethane        | 4.52 | 49  | 65813  | 20.479  | ug/l   | 100    |
| 29) Tetrahydrofuran           | 4.62 | 42  | 189553 | 103.333 | ug/l   | 100    |
| 30) Chloroform                | 4.65 | 83  | 137030 | 19.294  | ug/l   | 100    |
| 31) Cyclohexane               | 4.97 | 56  | 99082  | 19.384  | ug/l   | 100    |
| 32) 1,1,1-Trichloroethane     | 4.89 | 97  | 110416 | 19.445  | ug/l   | 98     |
| 36) 1,1-Dichloropropene       | 5.12 | 75  | 86344  | 18.768  | ug/l   | 99     |
| 37) Ethyl Acetate             | 4.36 | 43  | 107874 | 19.833  | ug/l   | 99     |
| 38) Carbon Tetrachloride      | 5.11 | 117 | 94514  | 19.241  | ug/l   | 99     |

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 Sample : VU0907WBS01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Sep 06 12:23:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 06 05:10:13 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 6.40  | 83   | 92932    | 18.897  | ug/l   | 97       |
| 40) Benzene                    | 5.37  | 78   | 293285   | 19.757  | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.52  | 41   | 57711    | 19.919  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 5.38  | 62   | 100697   | 19.538  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 5.53  | 43   | 165497   | 19.504  | ug/l   | 99       |
| 44) Trichloroethene            | 6.17  | 130  | 79111    | 19.259  | ug/l   | 98       |
| 45) 1,2-Dichloropropane        | 6.41  | 63   | 85934    | 19.802  | ug/l   | 99       |
| 46) Dibromomethane             | 6.54  | 93   | 53184    | 19.524  | ug/l   | 98       |
| 47) Bromodichloromethane       | 6.74  | 83   | 107259   | 19.129  | ug/l   | 98       |
| 48) Methyl methacrylate        | 6.60  | 41   | 77823    | 19.310  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 6.59  | 88   | 34367    | 390.521 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 7.44  | 43   | 580285   | 98.799  | ug/l   | 100      |
| 52) Toluene                    | 7.62  | 92   | 183239   | 19.678  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene      | 7.86  | 75   | 111543   | 19.190  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 7.25  | 75   | 125498   | 19.672  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane      | 8.05  | 97   | 84075    | 19.883  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 8.00  | 69   | 112440   | 19.502  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 8.22  | 76   | 133306   | 19.361  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 7.11  | 63   | 186287   | 96.630  | ug/l   | 99       |
| 59) 2-Hexanone                 | 8.34  | 43   | 434956   | 99.130  | ug/l   | 99       |
| 60) Dibromochloromethane       | 8.46  | 129  | 87411    | 19.273  | ug/l   | 94       |
| 61) 1,2-Dibromoethane          | 8.57  | 107  | 80678    | 19.494  | ug/l   | 98       |
| 64) Tetrachloroethene          | 8.21  | 164  | 70663    | 19.428  | ug/l   | 97       |
| 65) Chlorobenzene              | 9.10  | 112  | 211059   | 19.843  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 79172    | 19.504  | ug/l   | 100      |
| 67) Ethyl Benzene              | 9.23  | 91   | 344114   | 19.787  | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.36  | 106  | 266832   | 40.745  | ug/l   | 100      |
| 69) o-Xylene                   | 9.76  | 106  | 129562   | 20.230  | ug/l   | 99       |
| 70) Styrene                    | 9.77  | 104  | 232392   | 20.696  | ug/l   | 99       |
| 71) Bromoform                  | 9.94  | 173  | 69598    | 19.784  | ug/l # | 99       |
| 73) Isopropylbenzene           | 10.15 | 105  | 359130   | 19.903  | ug/l   | 100      |
| 74) N-amyl acetate             | 10.00 | 43   | 140614   | 19.360  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 141076   | 19.315  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 10.48 | 75   | 149341   | 24.675  | ug/l   | 86       |
| 77) Bromobenzene               | 10.43 | 156  | 98397    | 19.502  | ug/l   | 100      |
| 78) n-propylbenzene            | 10.57 | 91   | 417264   | 20.023  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 10.64 | 91   | 253369   | 19.926  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 10.75 | 105  | 310107   | 20.549  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.48 | 75   | 149341   | 82.980  | ug/l # | 100      |
| 82) 4-Chlorotoluene            | 10.75 | 91   | 292492   | 19.989  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 11.08 | 119  | 301059   | 19.942  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 308692   | 20.321  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.30 | 105  | 360439   | 20.223  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.46 | 119  | 334442   | 20.331  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 11.40 | 146  | 180106   | 19.563  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 11.49 | 146  | 183777   | 19.138  | ug/l   | 100      |
| 89) n-Butylbenzene             | 11.87 | 91   | 282965   | 19.794  | ug/l   | 99       |
| 90) Hexachloroethane           | 12.12 | 117  | 50001    | 18.998  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 11.86 | 146  | 175941   | 19.445  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.64 | 75   | 25787    | 19.213  | ug/l   | 96       |

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Acq On : 06 Sep 2019 10:31  
Operator : JC/SP  
Sample : VU0907WBS01  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 6 Sample Multiplier: 1

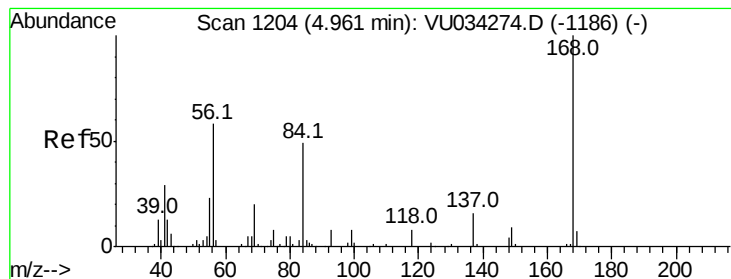
Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Sep 06 12:23:56 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U090619W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 06 05:10:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.49 | 180  | 108860   | 18.895 | ug/l  | 100      |
| 94) Hexachlorobutadiene    | 13.67 | 225  | 61360    | 19.387 | ug/l  | 99       |
| 95) Naphthalene            | 13.73 | 128  | 295429   | 18.685 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 13.97 | 180  | 111881   | 19.359 | ug/l  | 98       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

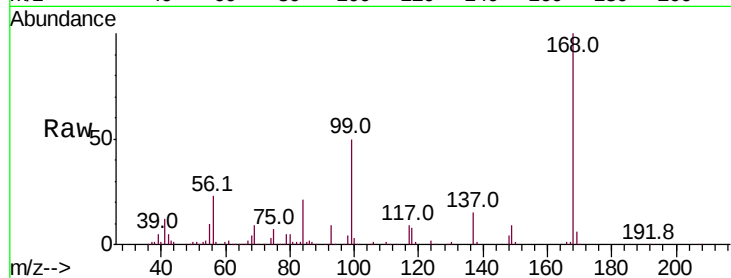
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion:168 Resp: 288427

Ion Ratio Lower Upper

168 100

99 49.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

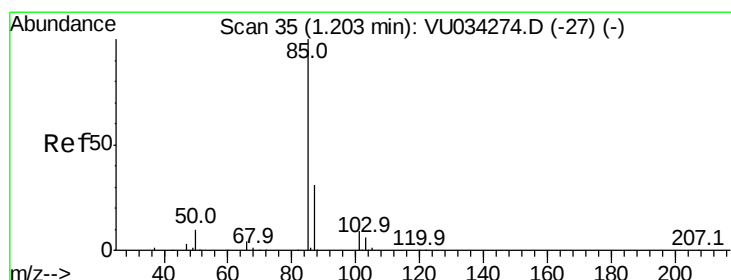
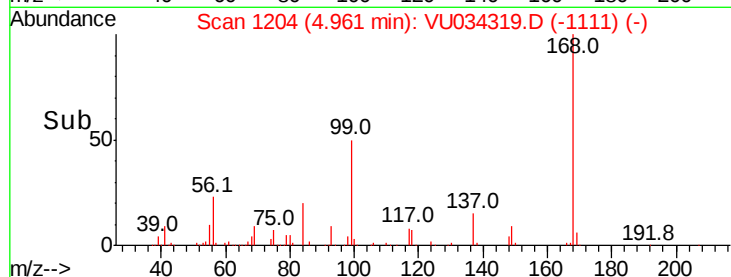
100000

50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.821 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034319.D

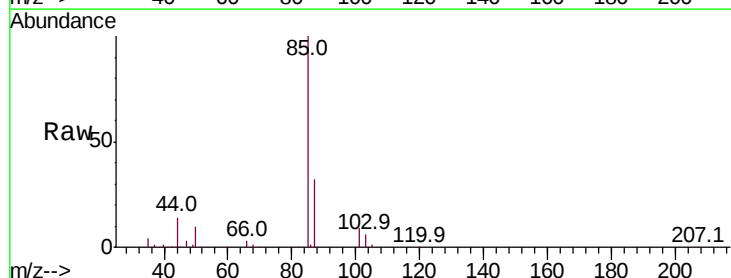
Acq: 06 Sep 2019 10:31

Tgt Ion: 85 Resp: 56773

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

60000

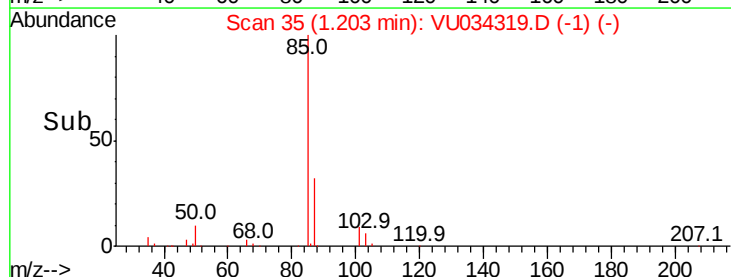
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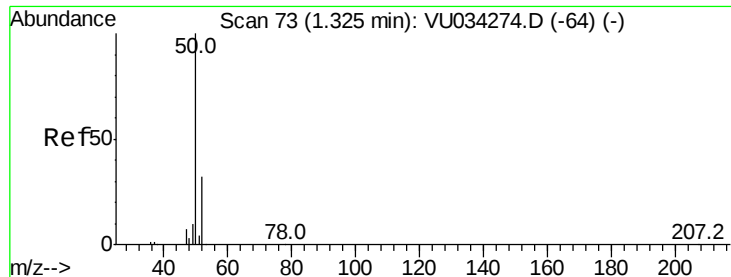
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.476 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

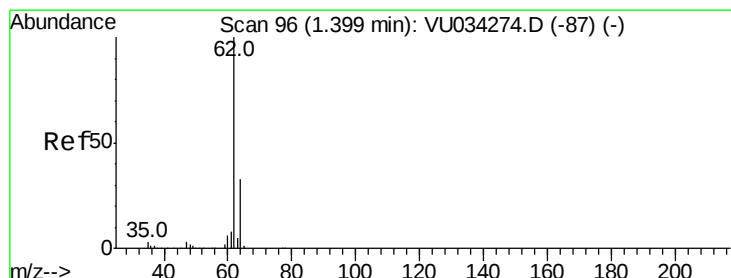
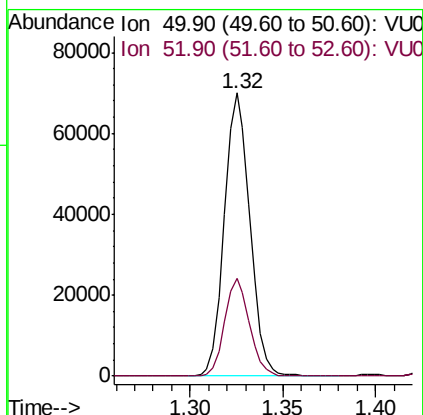
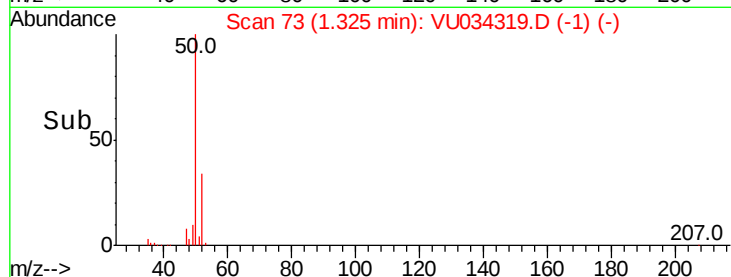
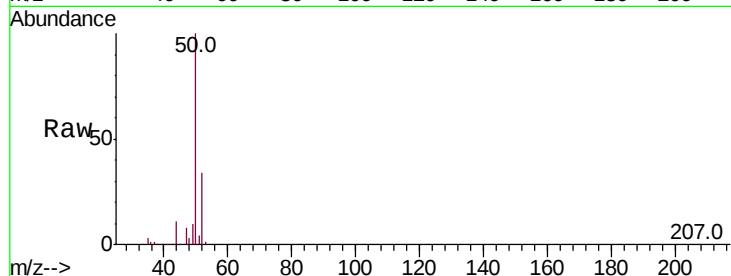
ClientSampleId :

Tot Ion: 50 Resp: 66896

Ion Ratio Lower Upper

50 100

52 34.4 25.8 38.6



#4

Vinyl Chloride

Concen: 18.281 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034319.D

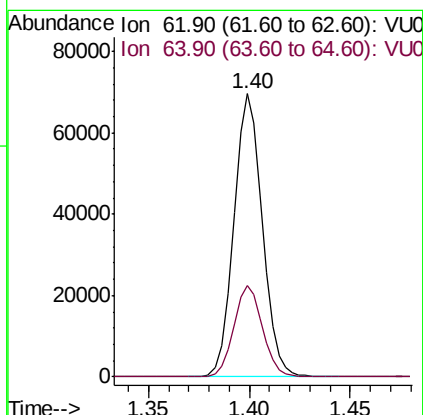
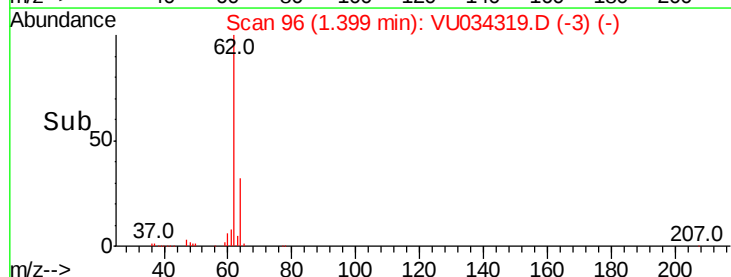
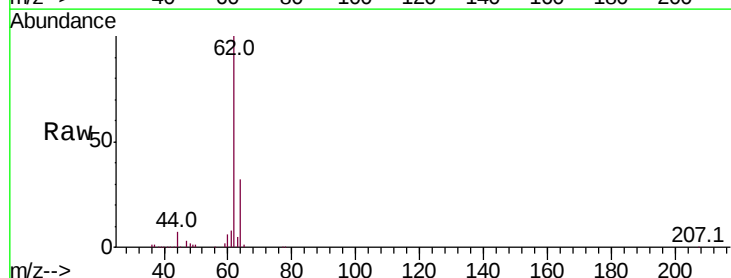
Acq: 06 Sep 2019 10:31

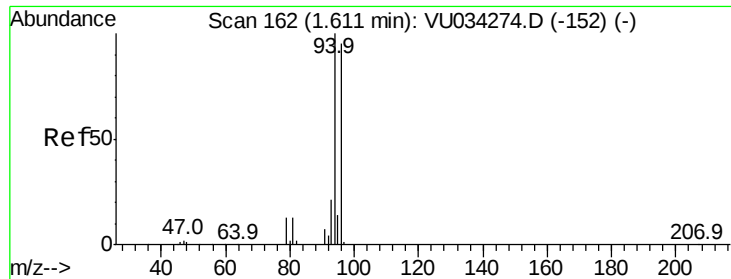
Tgt Ion: 62 Resp: 68719

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.4





#5

Bromomethane

Concen: 19.792 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

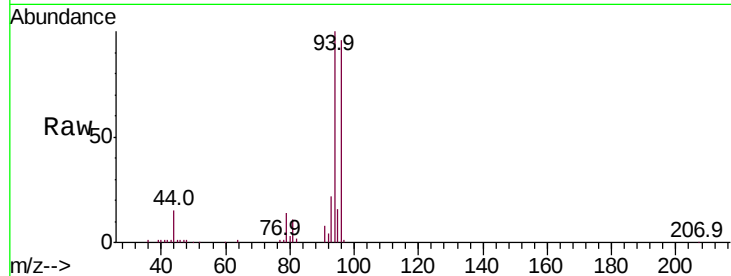
ClientSampleId :

Tot Ion: 94 Resp: 42662

Ion Ratio Lower Upper

94 100

96 95.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034319.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034319.D (-152) (-)

1.62

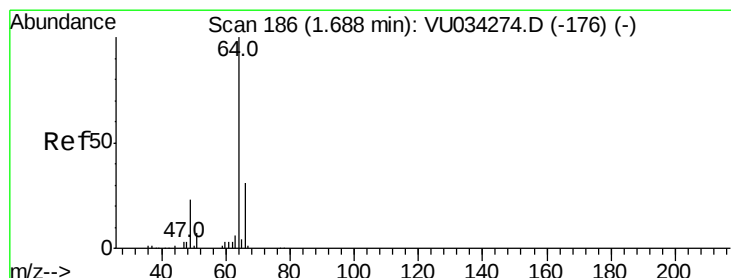
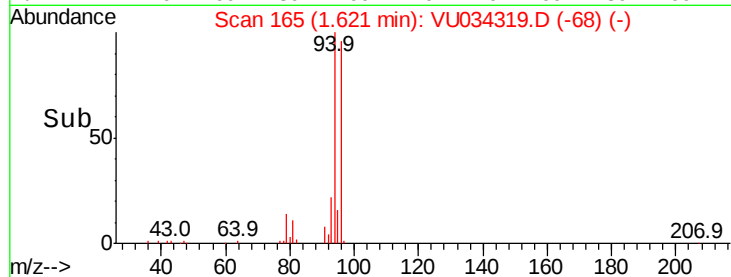
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 20.315 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034319.D

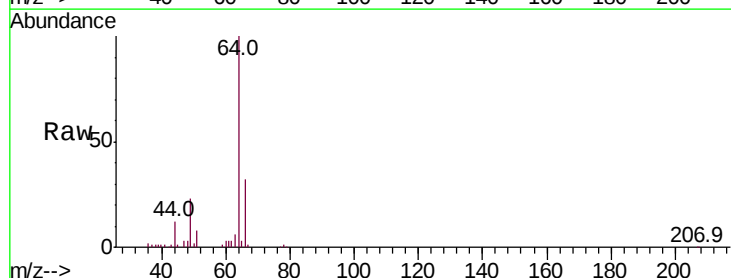
Acq: 06 Sep 2019 10:31

Tgt Ion: 64 Resp: 45684

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034319.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034319.D (-176) (-)

1.69

40000

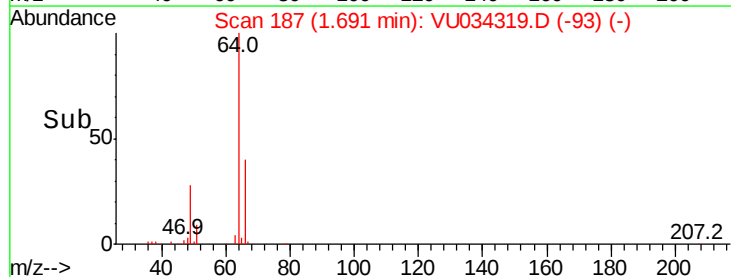
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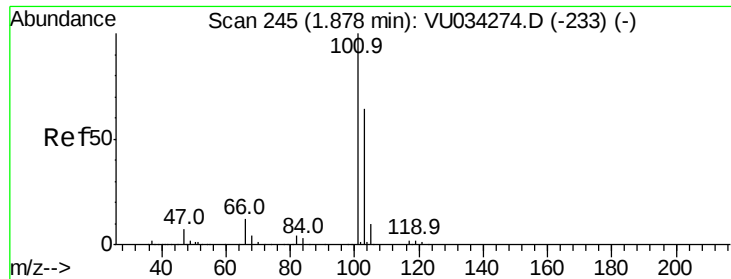
20000

10000

0

Time--> 1.65 1.70 1.75



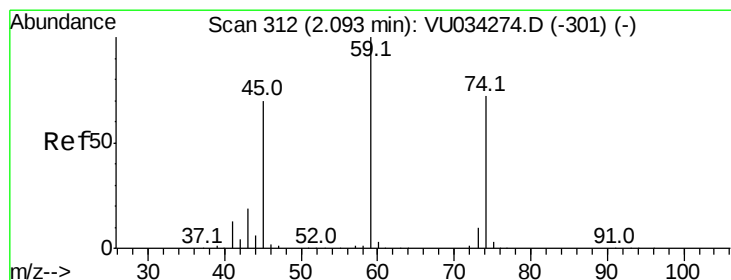
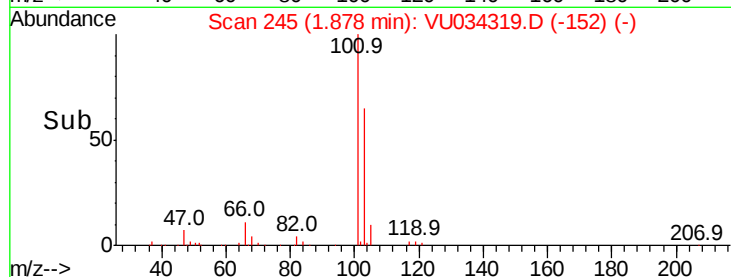
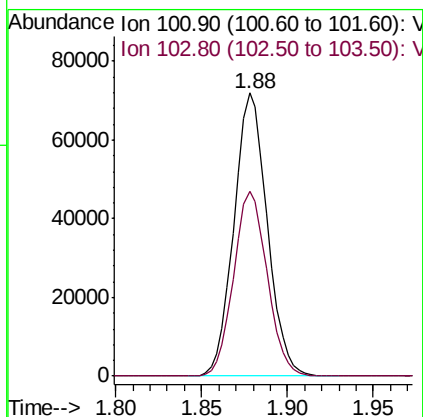
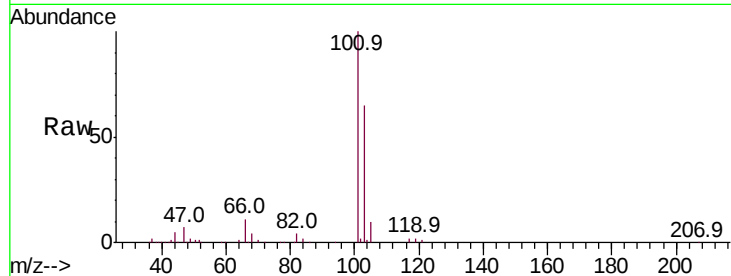


#7

Trichlorofluoromethane  
Concen: 19.200 ug/l  
RT: 1.88 min Scan# 245  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampleId :

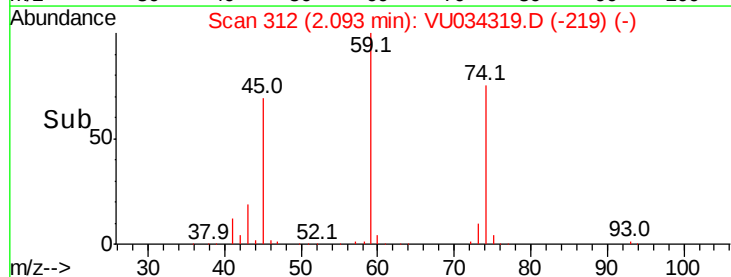
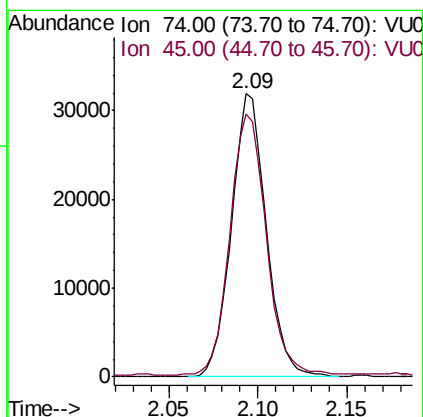
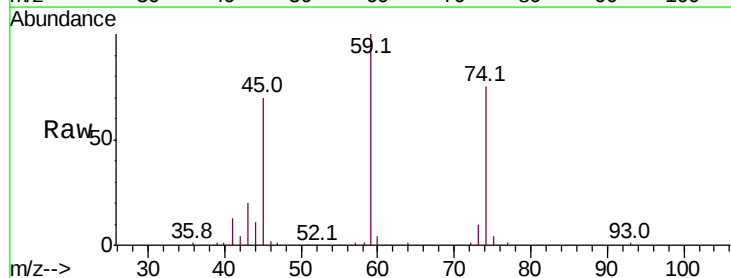
Tot Ion:101 Resp: 96770  
Ion Ratio Lower Upper  
101 100  
103 65.3 51.0 76.6

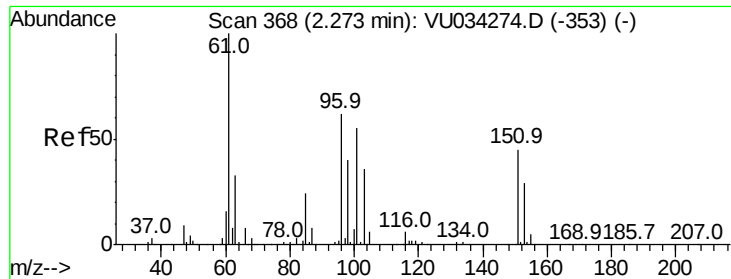


#8

Diethyl Ether  
Concen: 19.491 ug/l  
RT: 2.09 min Scan# 312  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion: 74 Resp: 43211  
Ion Ratio Lower Upper  
74 100  
45 97.0 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.304 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

ClientSampled :

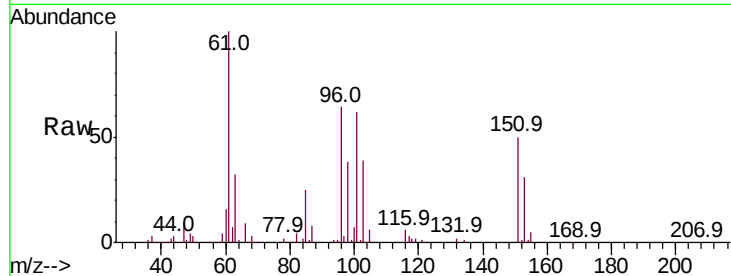
Tot Ion:101 Resp: 64439

Ion Ratio Lower Upper

101 100

85 40.2 34.4 51.6

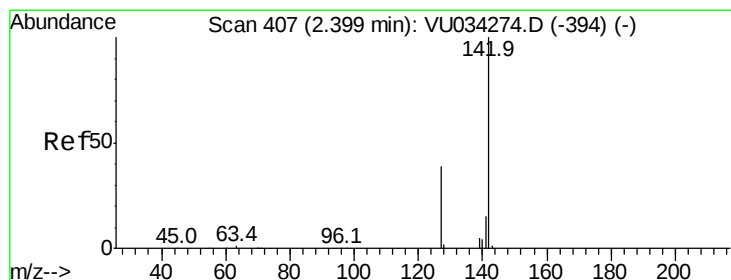
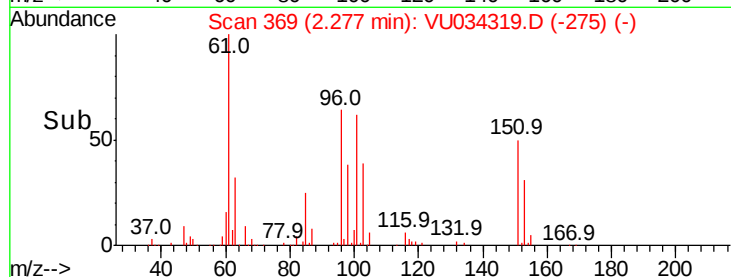
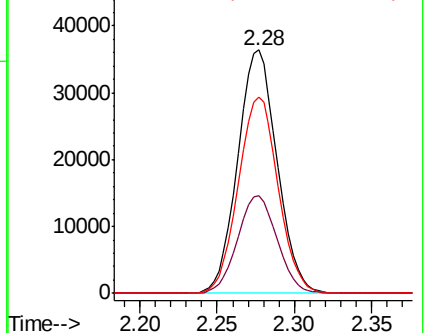
151 81.5 64.4 96.6



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: 16.427 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

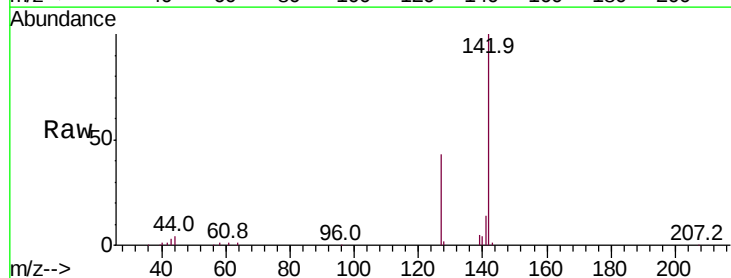
Tgt Ion:142 Resp: 41625

Ion Ratio Lower Upper

142 100

127 41.3 32.1 48.1

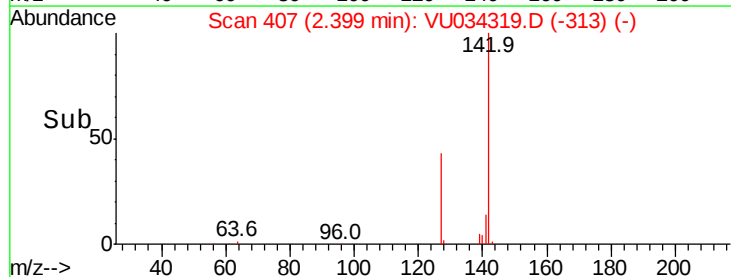
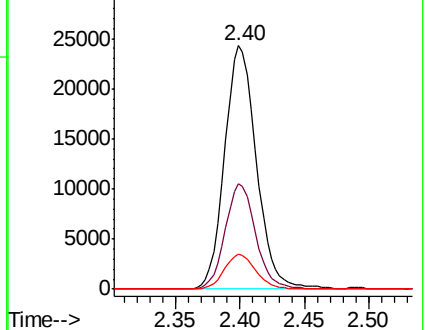
141 14.0 11.5 17.3

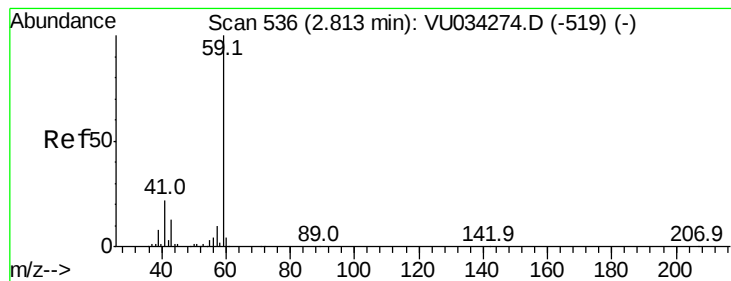


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



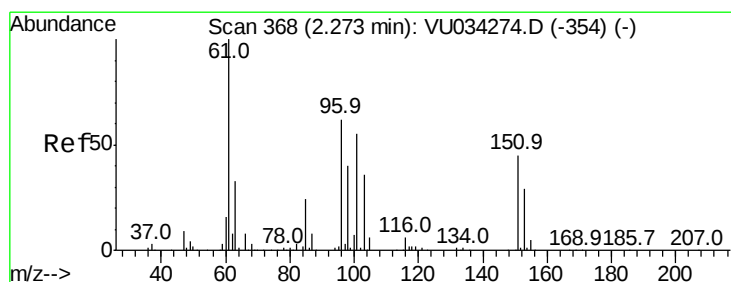
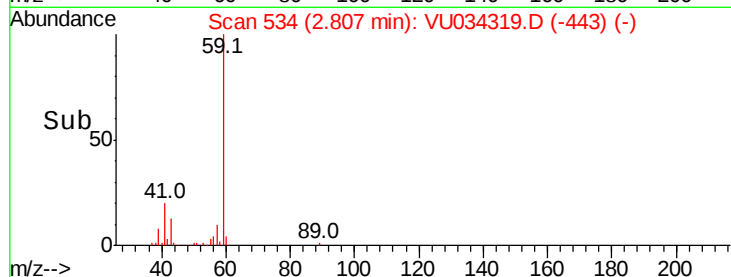
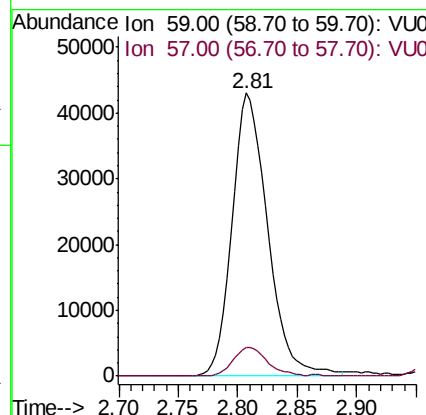
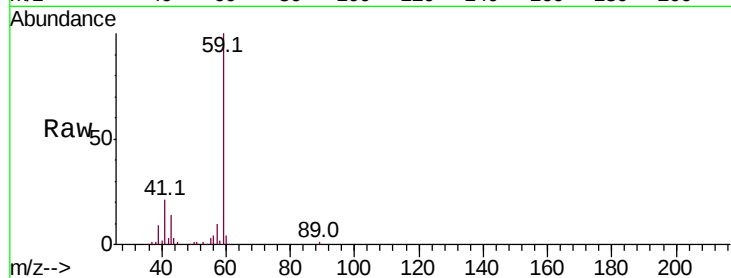


#11

Tert butyl alcohol  
 Concen: 96.913 ug/l  
 RT: 2.81 min Scan# 534  
 Delta R.T. -0.01 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

Instrument :  
 MSVOA\_U  
 ClientSampleId :

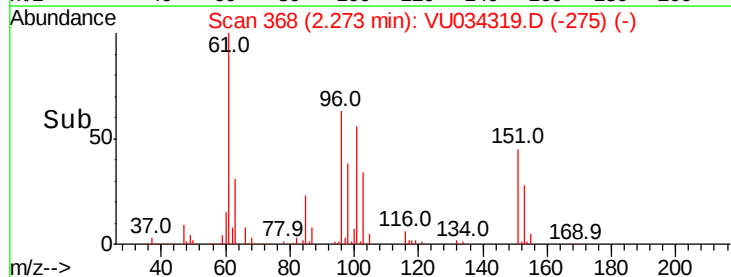
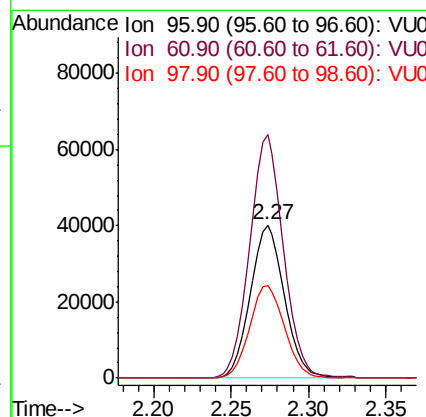
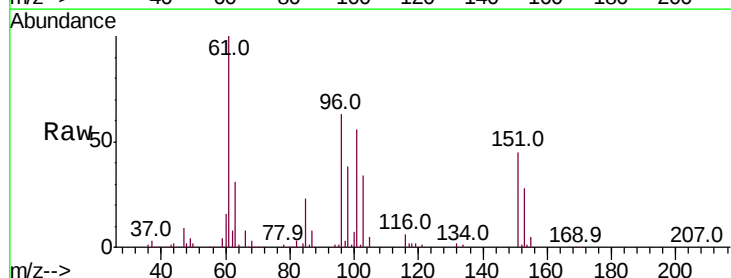
Tot Ion: 59 Resp: 89349  
 Ion Ratio Lower Upper  
 59 100  
 57 9.8 7.9 11.9

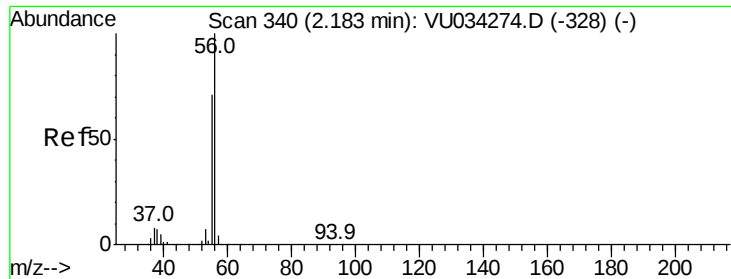


#12

1,1-Dichloroethene  
 Concen: 19.637 ug/l  
 RT: 2.27 min Scan# 368  
 Delta R.T. 0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

Tgt Ion: 96 Resp: 61623  
 Ion Ratio Lower Upper  
 96 100  
 61 158.9 130.0 195.0  
 98 60.4 52.2 78.4





#13

Acrolein

Concen: 76.669 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

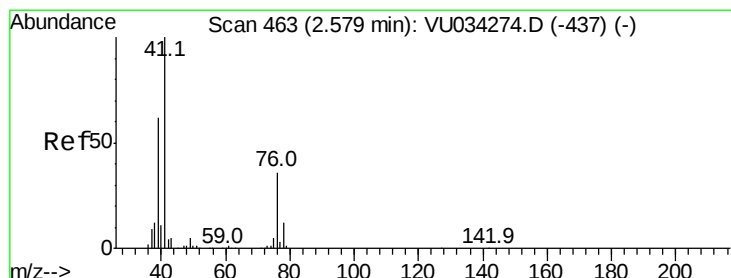
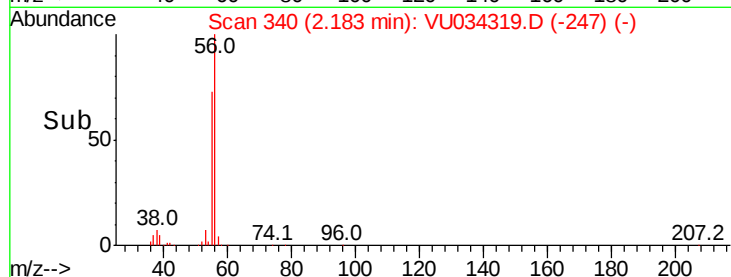
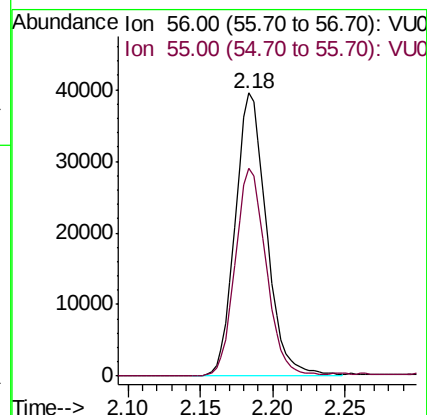
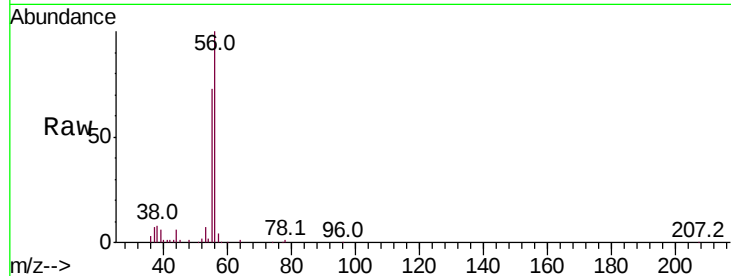
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 56 Resp: 59410

Ion Ratio Lower Upper

56 100

55 72.5 57.4 86.2



#14

Allyl chloride

Concen: 16.310 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

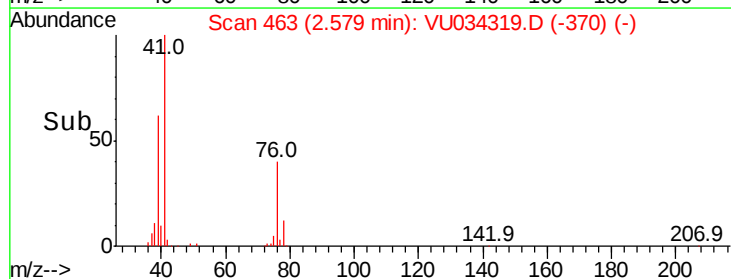
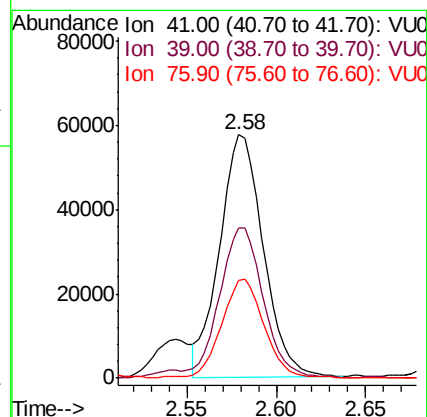
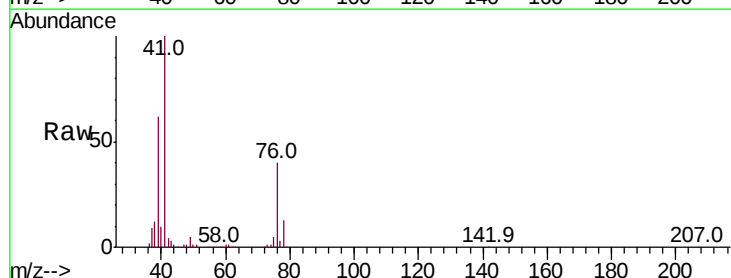
Tgt Ion: 41 Resp: 97853

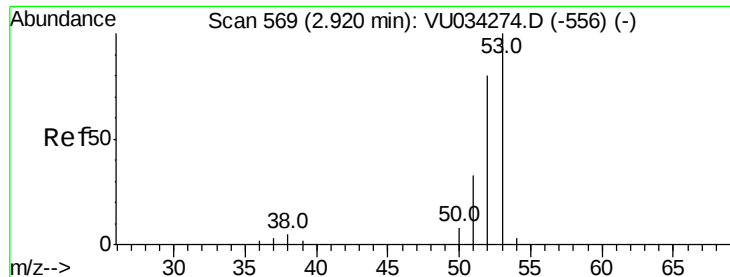
Ion Ratio Lower Upper

41 100

39 61.8 43.5 65.3

76 39.9 27.0 40.6





#15

Acrylonitrile

Concen: 100.994 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampled :

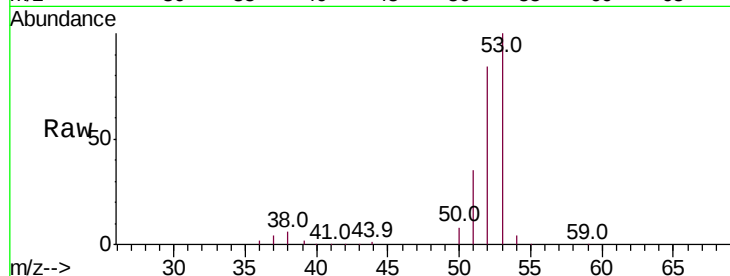
Tot Ion: 53 Resp: 231870

Ion Ratio Lower Upper

53 100

52 83.1 64.1 96.1

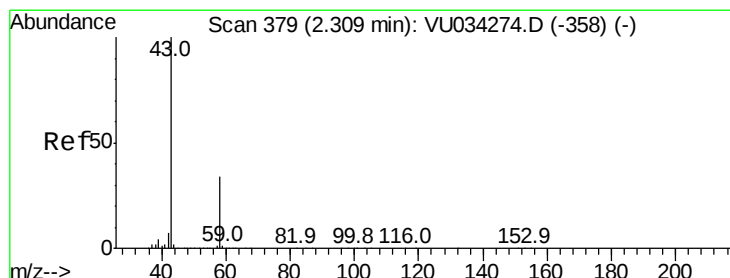
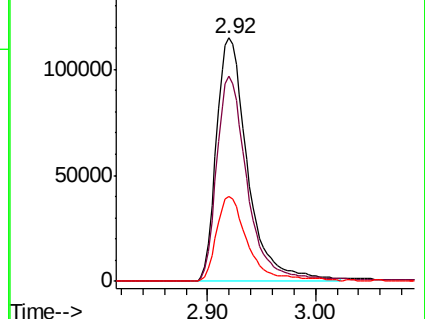
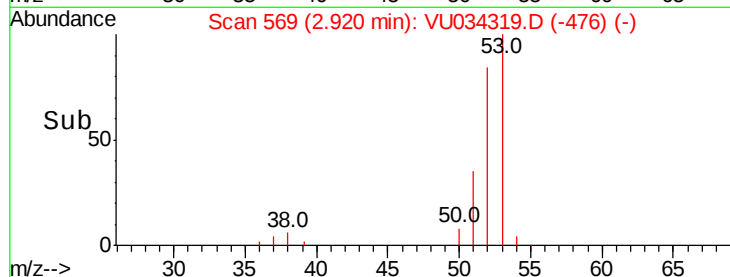
51 35.0 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034319.D (-556) (-)

Ion 52.00 (51.70 to 52.70): VU034319.D (-556) (-)

Ion 51.00 (50.70 to 51.70): VU034319.D (-556) (-)



#16

Acetone

Concen: 99.084 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034319.D

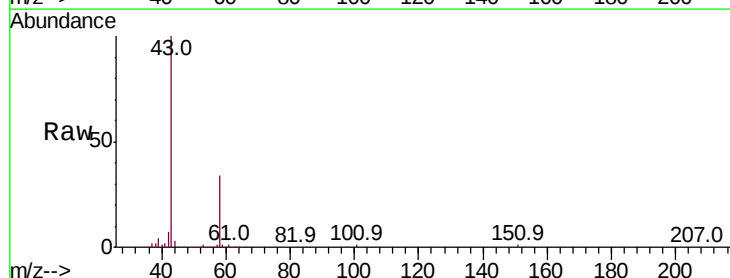
Acq: 06 Sep 2019 10:31

Tgt Ion: 43 Resp: 223766

Ion Ratio Lower Upper

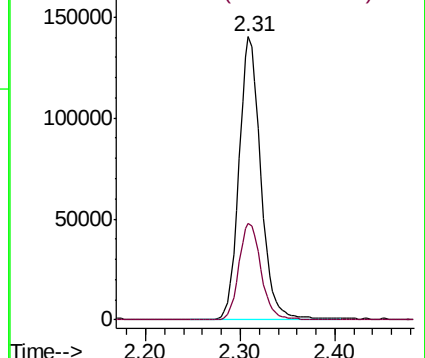
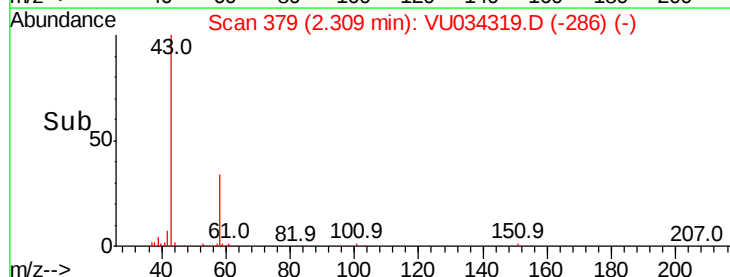
43 100

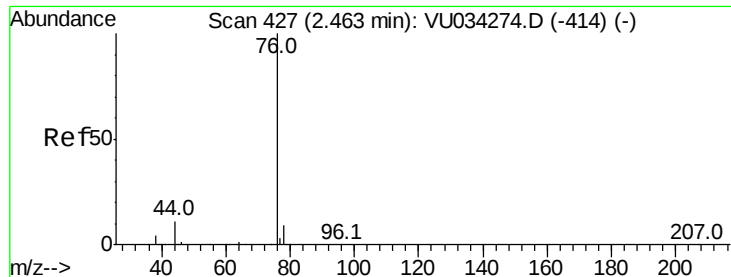
58 34.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034319.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034319.D (-286) (-)

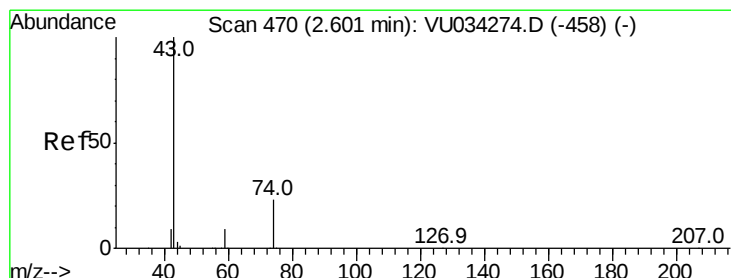
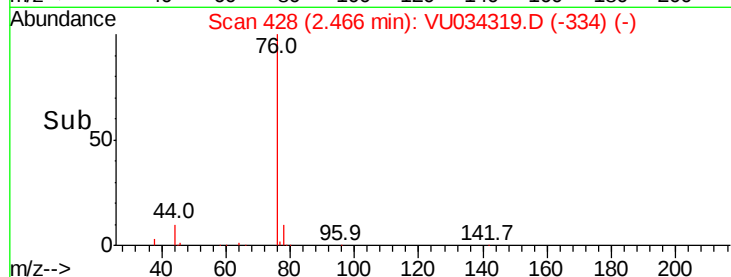
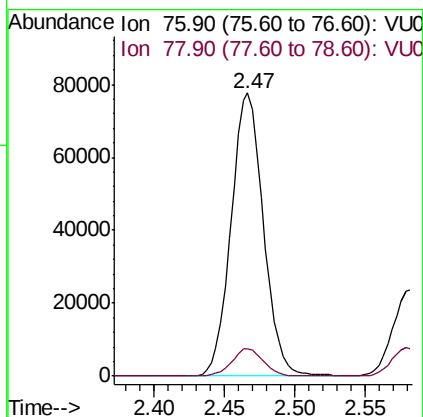
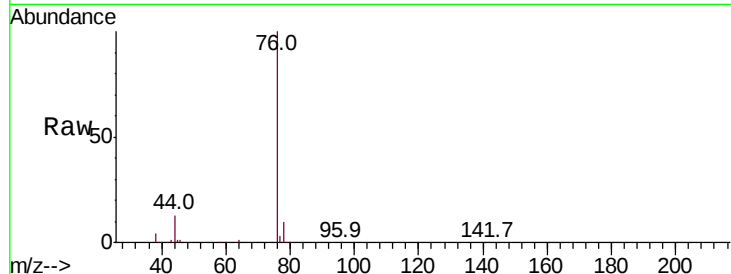




#17  
Carbon Disulfide  
Concen: 17.688 ug/l  
RT: 2.47 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

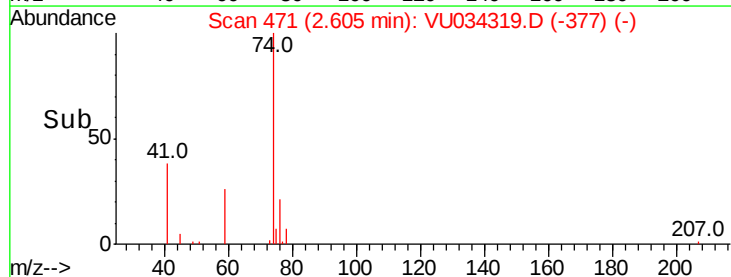
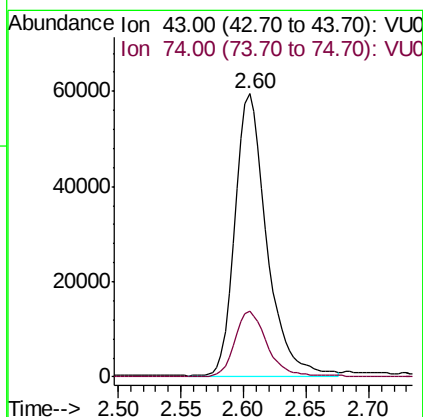
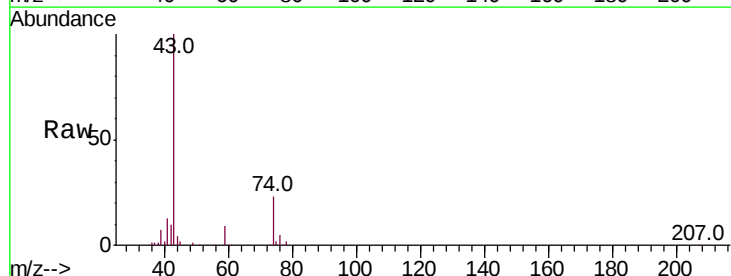
Instrument :  
MSVOA\_U  
ClientSampled :

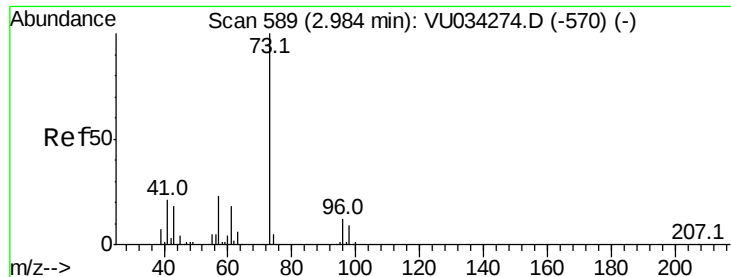
Tot Ion: 76 Resp: 124750  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.2 10.8



#18  
Methyl Acetate  
Concen: 18.907 ug/l  
RT: 2.60 min Scan# 471  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion: 43 Resp: 103894  
Ion Ratio Lower Upper  
43 100  
74 24.3 18.9 28.3

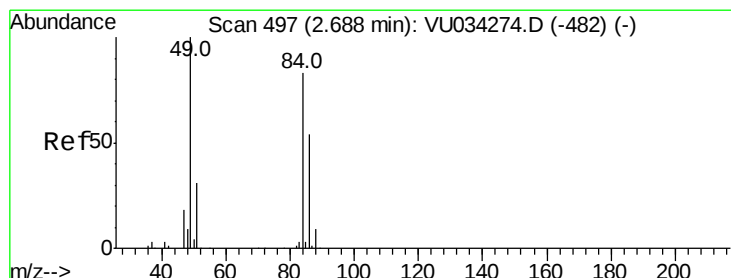
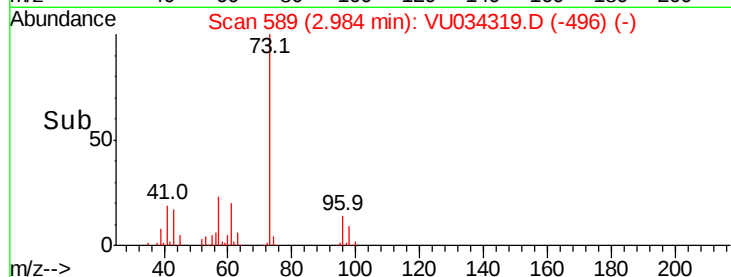
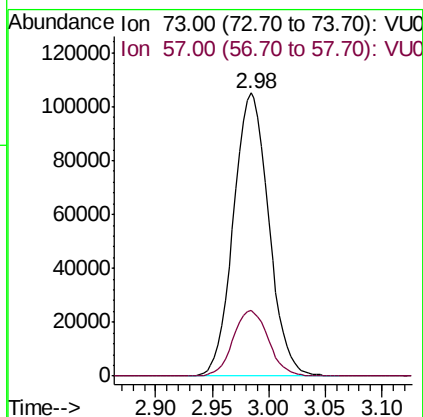
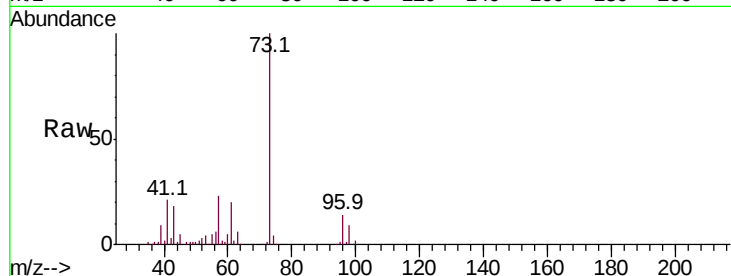




#19  
Methyl tert-butyl Ether  
Concen: 19.987 ug/l  
RT: 2.98 min Scan# 589  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

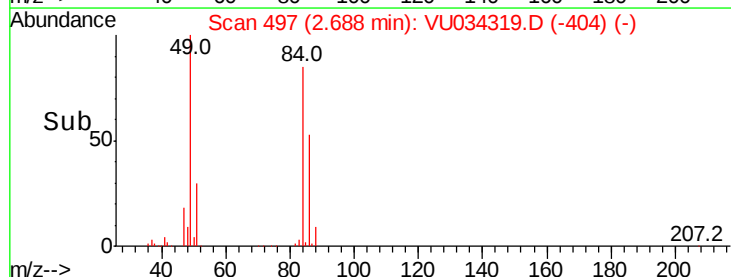
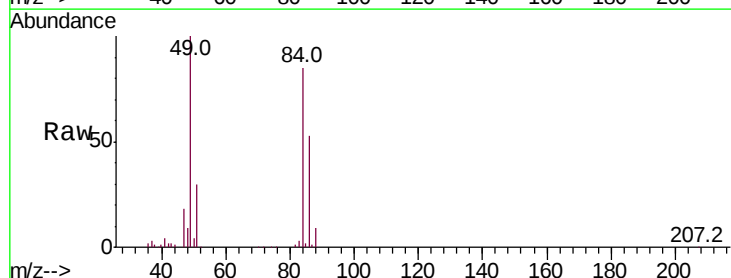
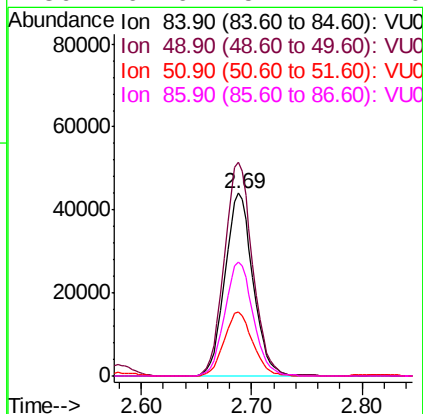
Instrument :  
MSVOA\_U  
ClientSampled :

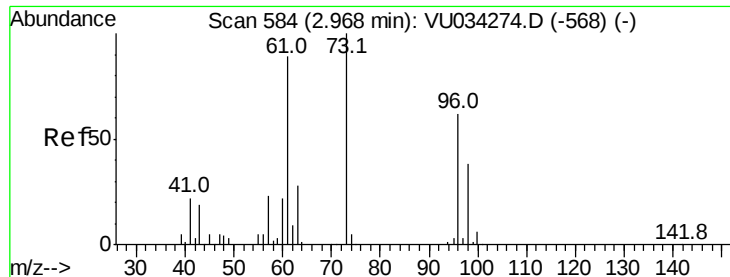
Tot Ion: 73 Resp: 228610  
Ion Ratio Lower Upper  
73 100  
57 23.0 18.2 27.4



#20  
Methylene Chloride  
Concen: 20.734 ug/l  
RT: 2.69 min Scan# 497  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion: 84 Resp: 77562  
Ion Ratio Lower Upper  
84 100  
49 117.1 96.0 144.0  
51 35.4 30.0 45.0  
86 62.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.283 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

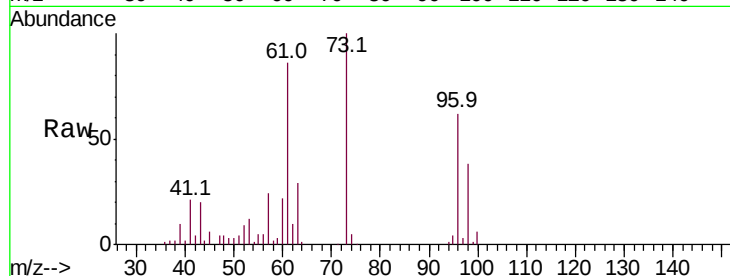
Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 96 Resp: 63768

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 138.5 | 114.8 | 172.2 |
| 98  | 61.0  | 49.8  | 74.8  |

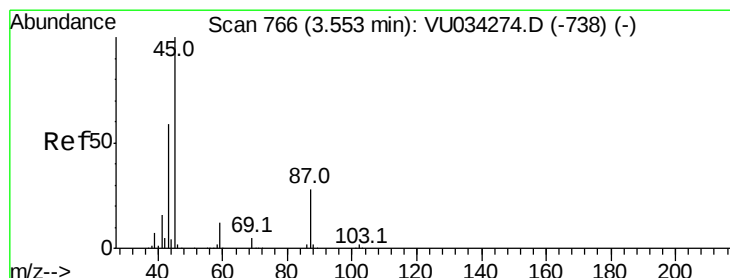
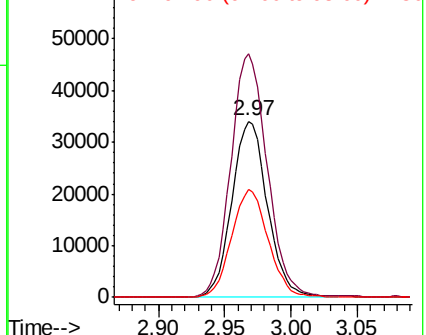
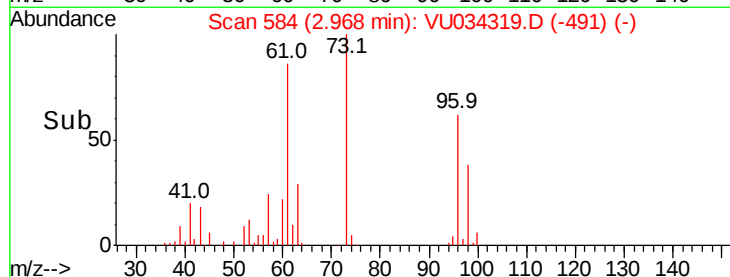


Abundance

Ion 95.90 (95.60 to 96.60): VU034319.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034319.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034319.D (-491) (-)



#22

Diisopropyl ether

Concen: 20.735 ug/l

RT: 3.55 min Scan# 765

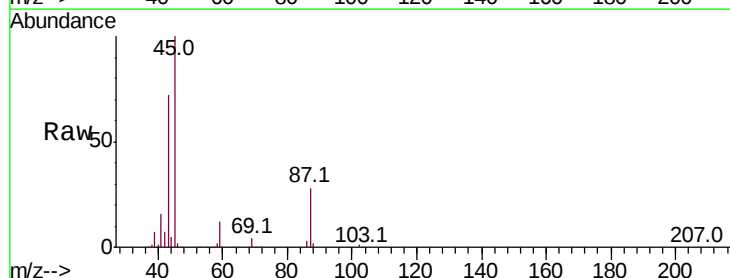
Delta R.T. -0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion: 45 Resp: 242597

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 72.0  | 47.5  | 71.3# |
| 87  | 27.7  | 22.2  | 33.4  |
| 59  | 11.8  | 9.4   | 14.2  |



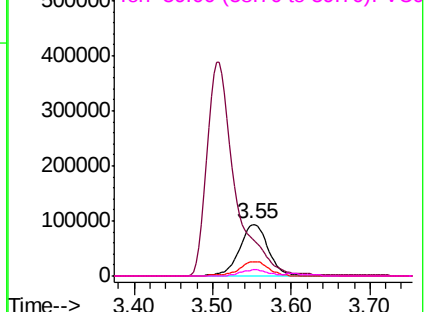
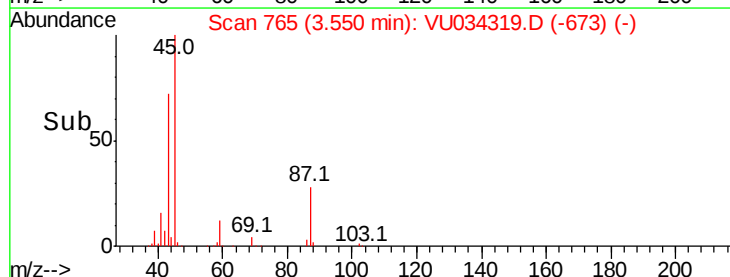
Abundance

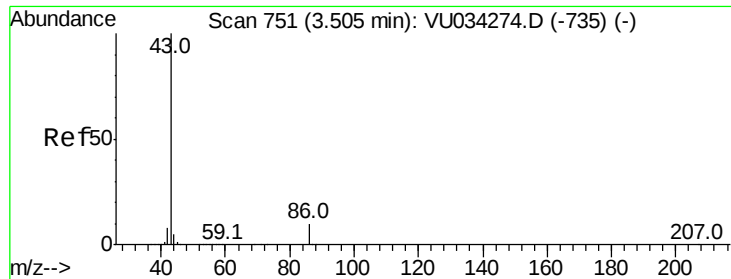
Ion 45.00 (44.70 to 45.70): VU034319.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034319.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034319.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034319.D (-673) (-)





#23

Vinyl Acetate

Concen: 100.787 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

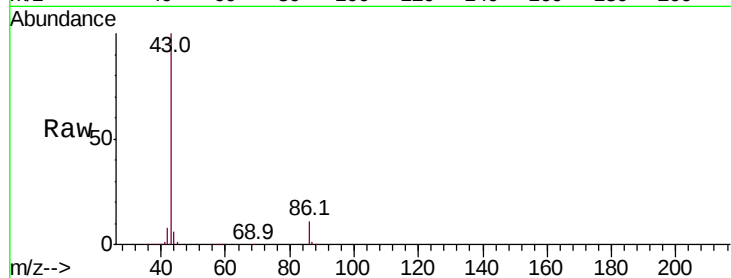
ClientSampled :

Tot Ion: 43 Resp: 960519

Ion Ratio Lower Upper

43 100

86 10.8 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034319.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034319.D (-658) (-)

3.50

400000

300000

200000

100000

0

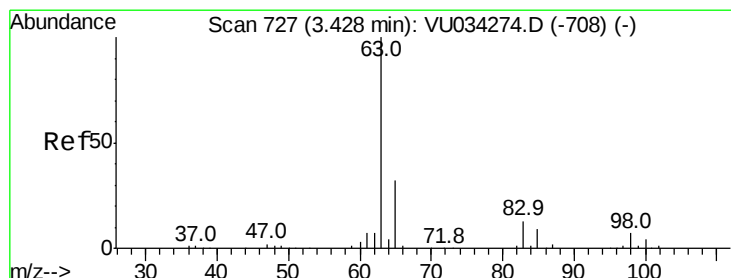
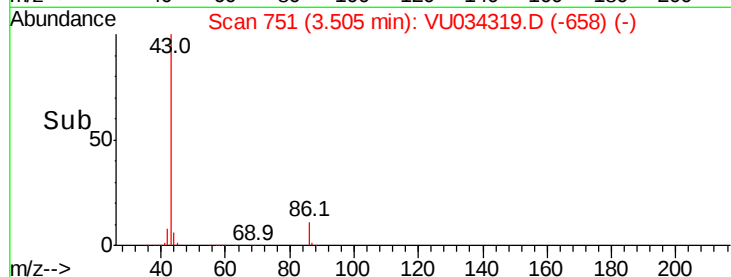
Time-->

3.40

3.50

3.60

3.70



#24

1,1-Dichloroethane

Concen: 19.277 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

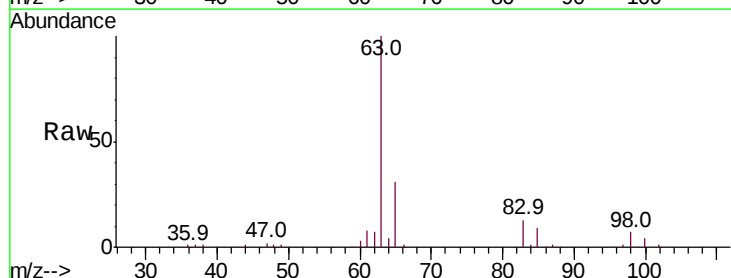
Tgt Ion: 63 Resp: 134686

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034319.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034319.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034319.D (-634) (-)

80000

60000

40000

20000

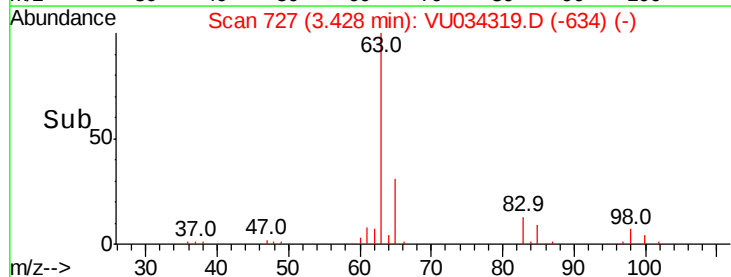
0

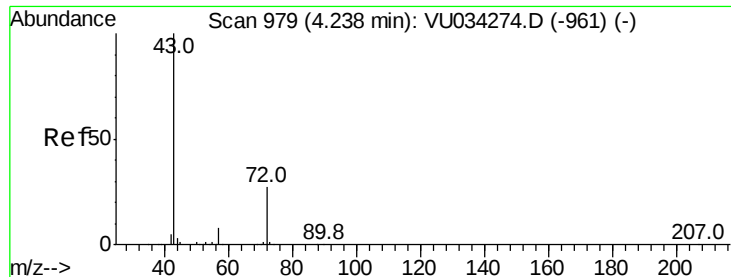
Time-->

3.30

3.40

3.50





#25

2-Butanone

Concen: 102.368 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

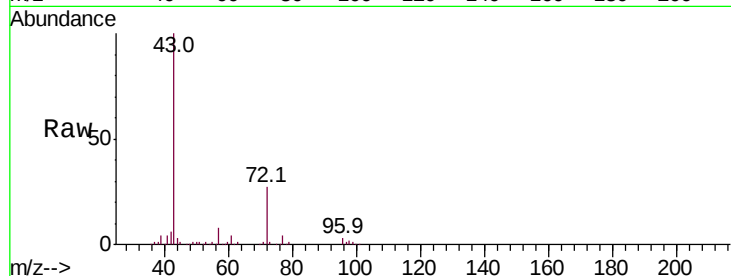
ClientSampled :

Tot Ion: 43 Resp: 308596

Ion Ratio Lower Upper

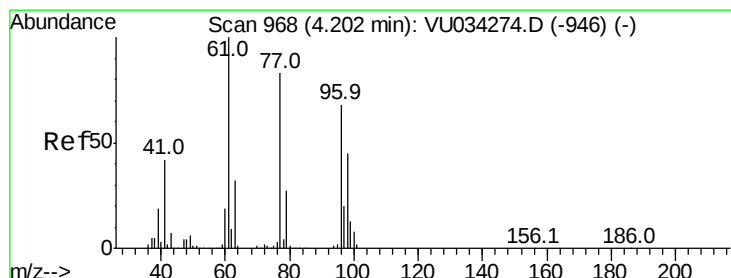
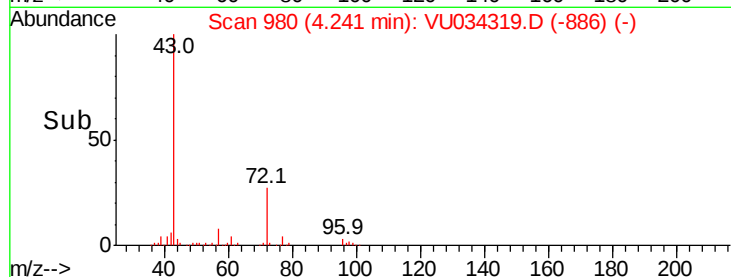
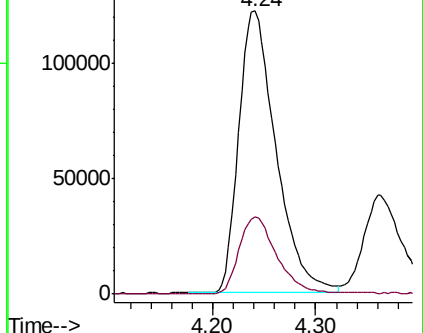
43 100

72 27.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)



#26

2,2-Dichloropropane

Concen: 19.657 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034319.D

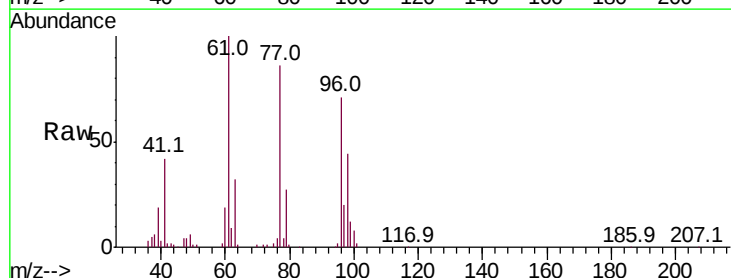
Acq: 06 Sep 2019 10:31

Tgt Ion: 77 Resp: 110461

Ion Ratio Lower Upper

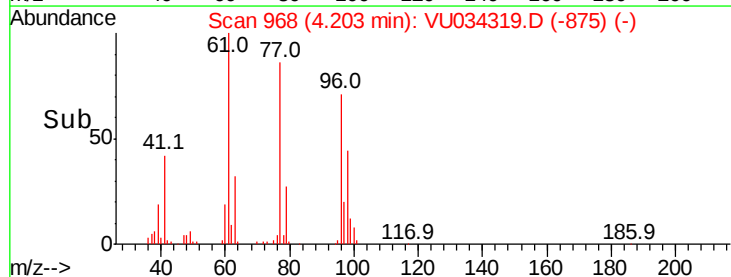
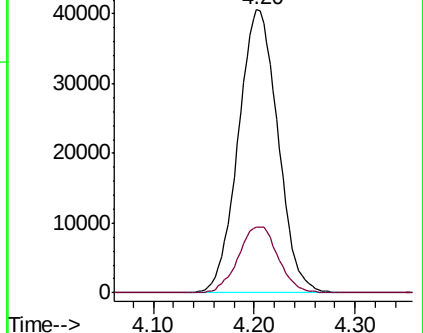
77 100

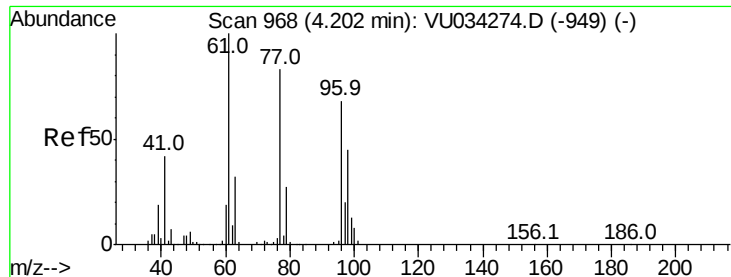
97 23.6 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)



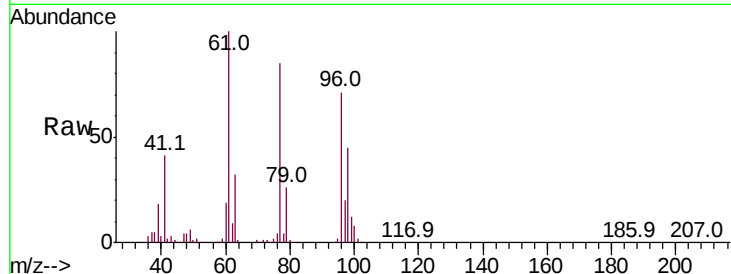


#27

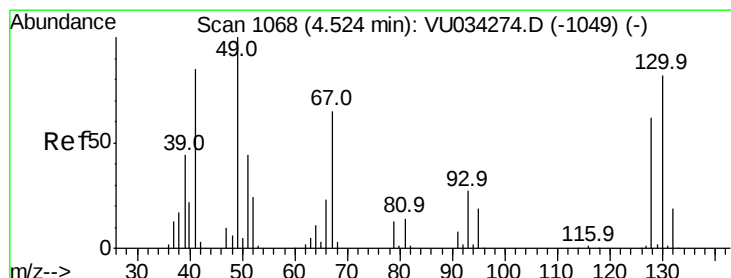
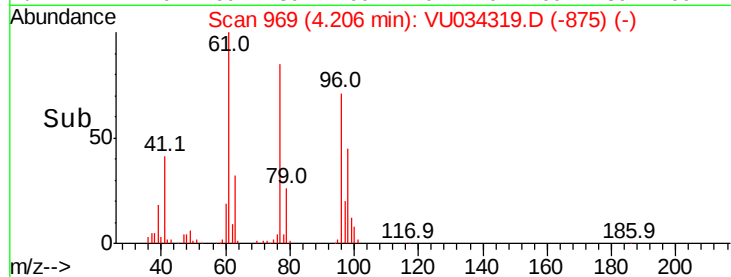
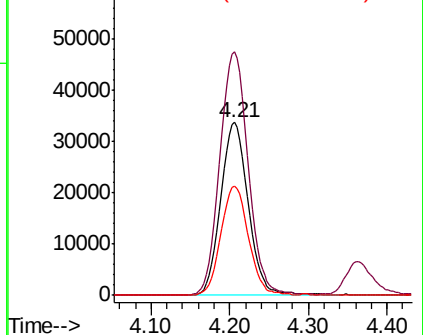
cis-1,2-Dichloroethene  
Concen: 20.410 ug/l  
RT: 4.21 min Scan# 969  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampled :

| Tot Ion | 96    | Resp  | 81974 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 96      | 100   |       |       |
| 61      | 144.4 | 0.0   | 297.4 |
| 98      | 63.0  | 0.0   | 130.0 |



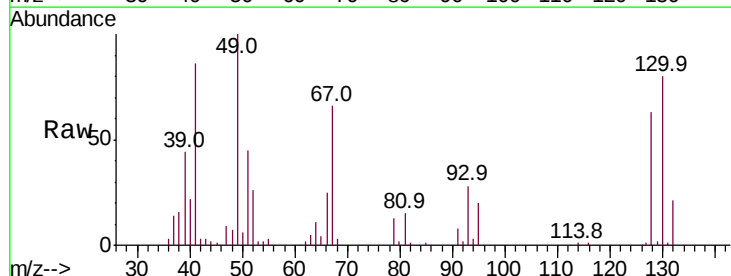
Abundance Ion 95.90 (95.60 to 96.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0



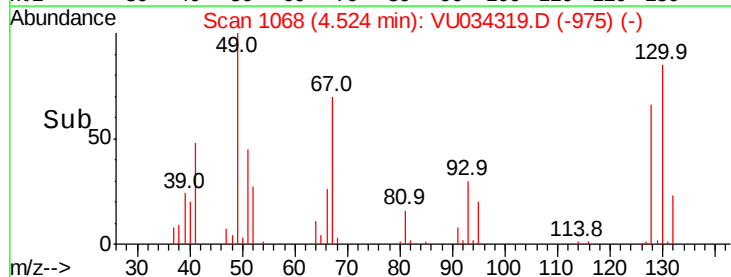
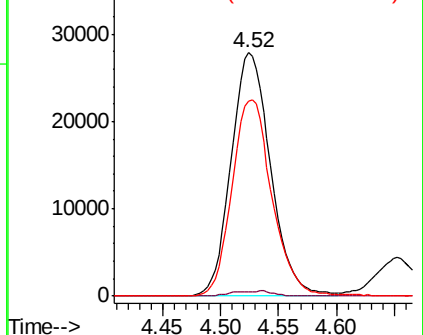
#28

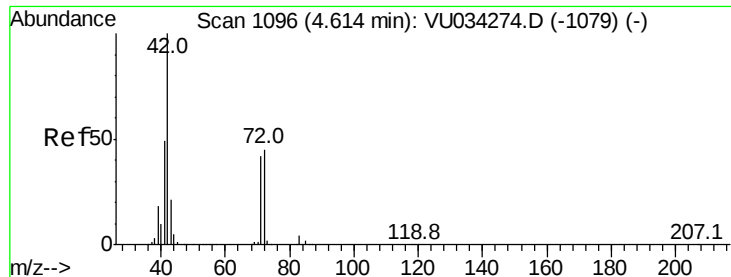
Bromochloromethane  
Concen: 20.479 ug/l  
RT: 4.52 min Scan# 1068  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

| Tgt Ion | 49    | Resp  | 65813 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 49      | 100   |       |       |
| 129     | 1.1   | 0.0   | 3.8   |
| 130     | 81.7  | 65.2  | 97.8  |



Abundance Ion 48.90 (48.60 to 49.60): VU0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 103.333 ug/l

RT: 4.62 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

ClientSampleId :

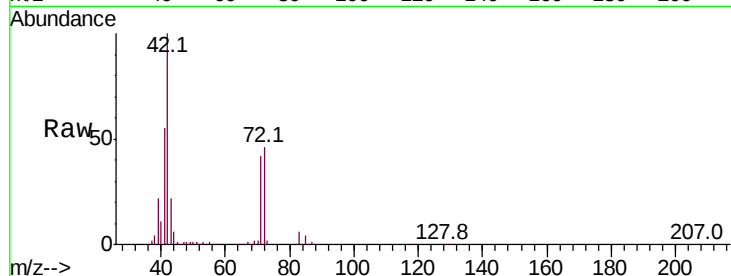
Tot Ion: 42 Resp: 189553

Ion Ratio Lower Upper

42 100

72 46.0 36.6 54.8

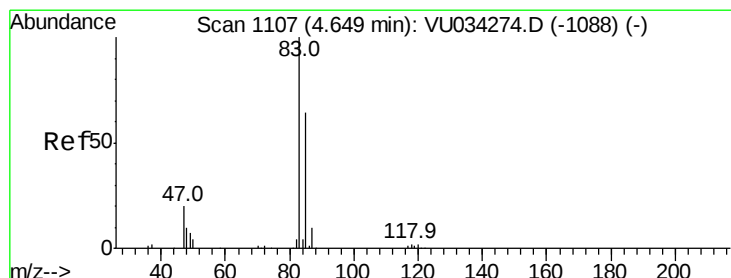
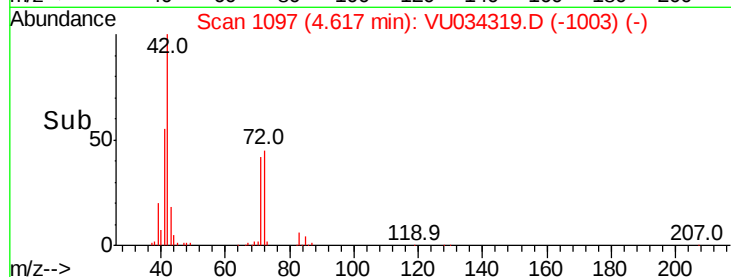
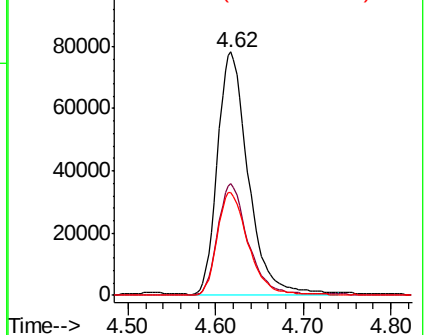
71 42.8 34.3 51.5



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: 19.294 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034319.D

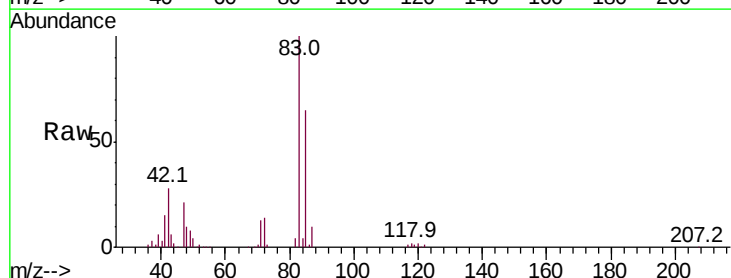
Acq: 06 Sep 2019 10:31

Tgt Ion: 83 Resp: 137030

Ion Ratio Lower Upper

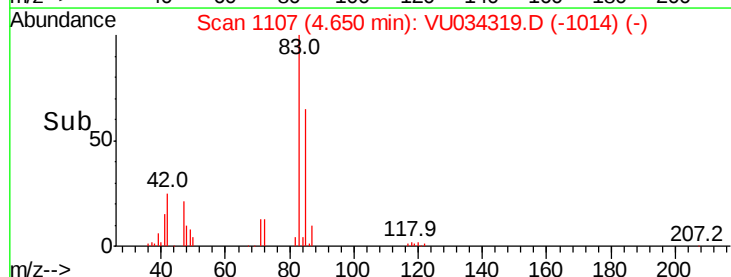
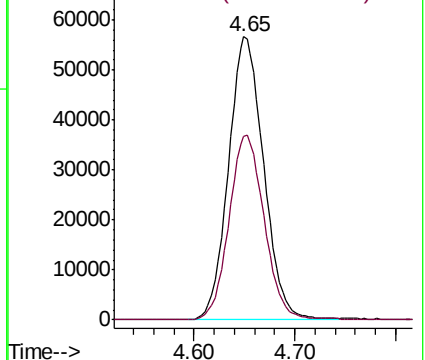
83 100

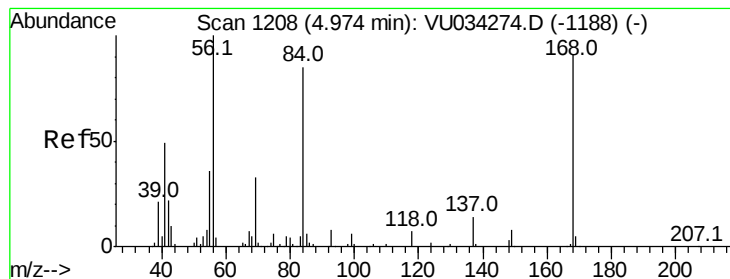
85 64.7 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 19.384 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampled :

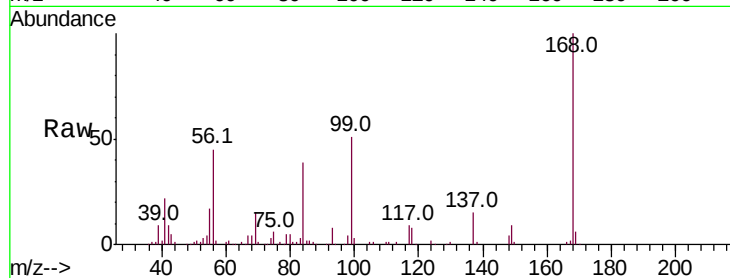
Tot Ion: 56 Resp: 99082

Ion Ratio Lower Upper

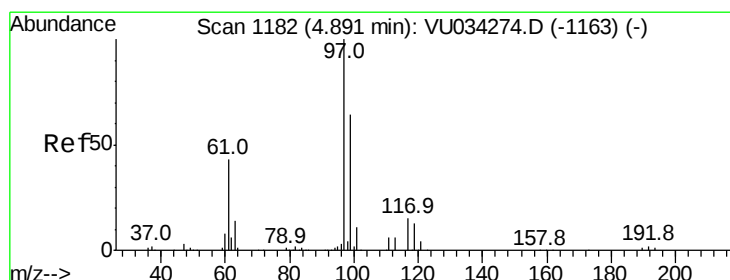
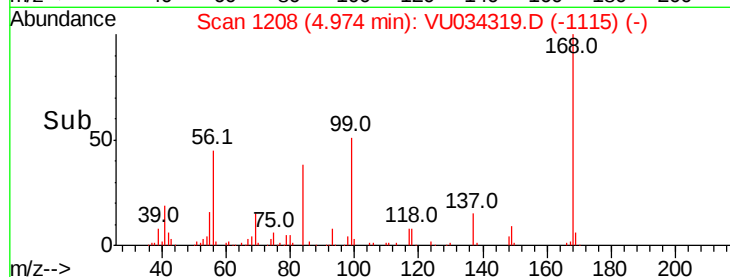
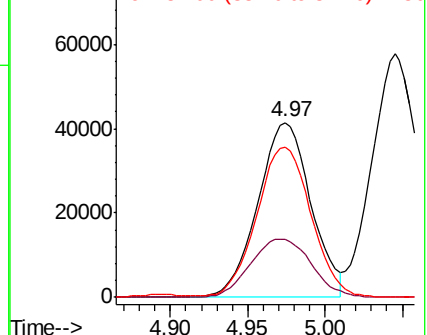
56 100

69 32.9 26.7 40.1

84 85.1 68.2 102.4



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



#32

1,1,1-Trichloroethane

Concen: 19.445 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

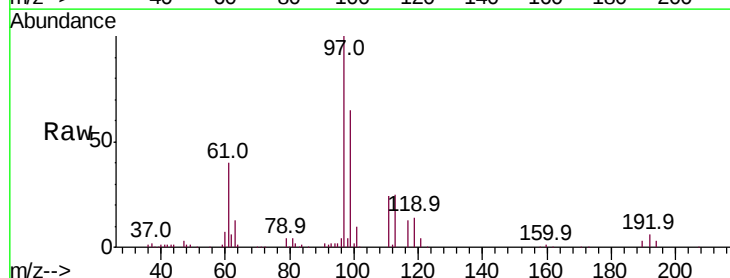
Tgt Ion: 97 Resp: 110416

Ion Ratio Lower Upper

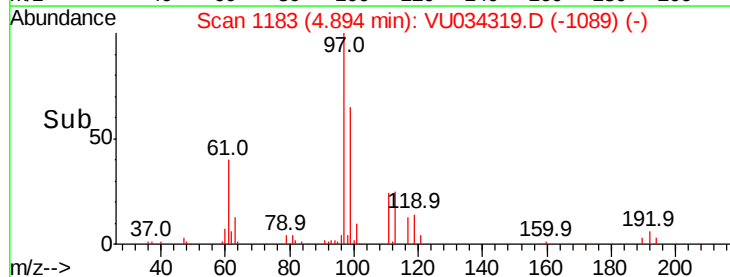
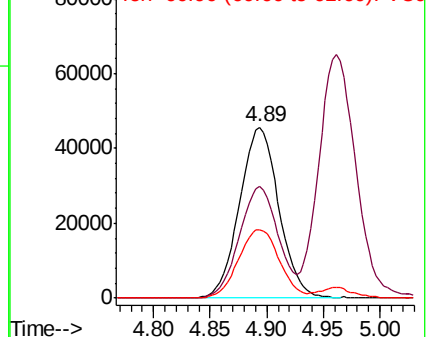
97 100

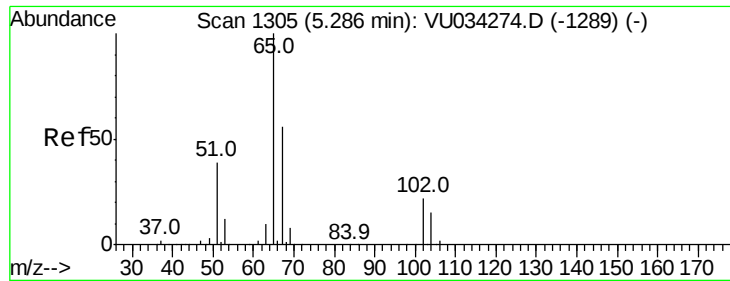
99 64.8 50.9 76.3

61 41.7 34.7 52.1



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





#33

1,2-Dichloroethane-d4

Concen: 51.523 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

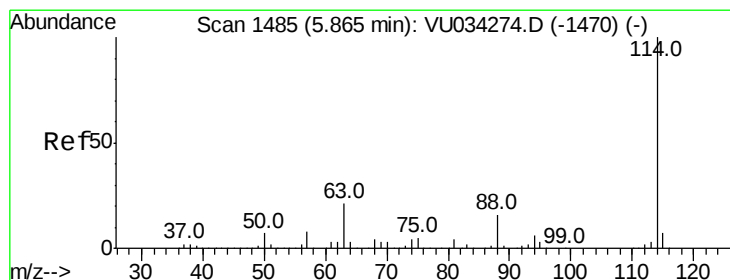
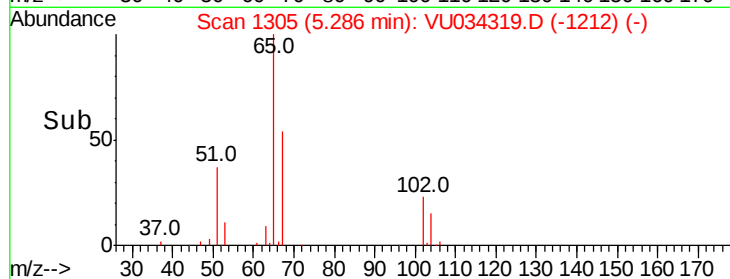
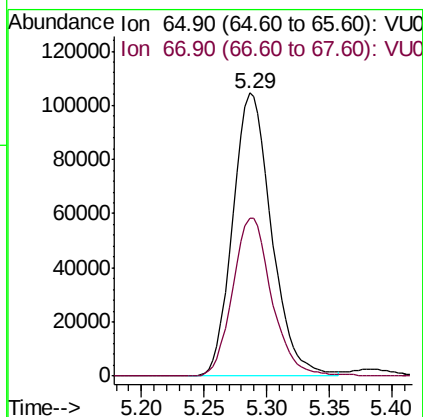
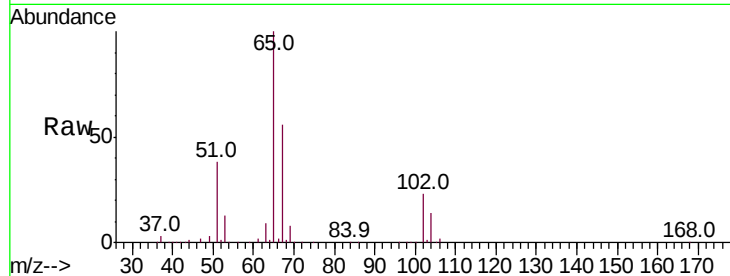
Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 65 Resp: 224848

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 56.4  | 0.0   | 112.4 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

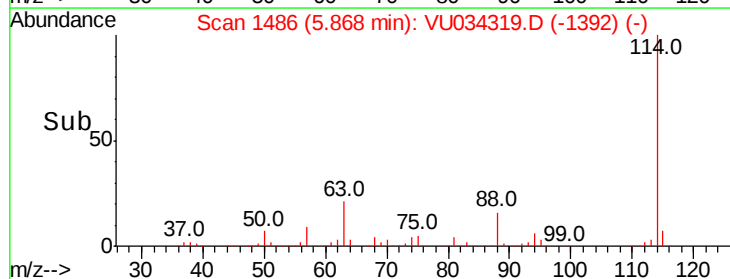
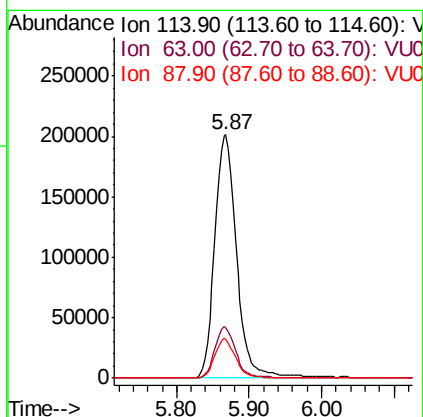
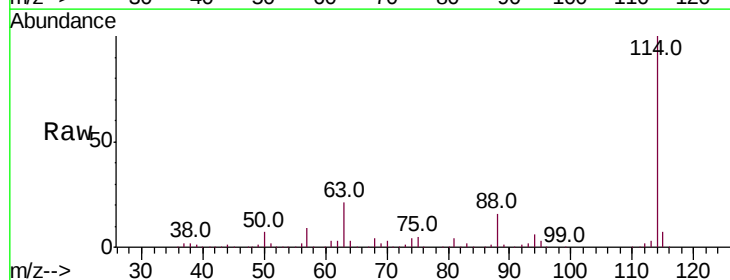
Delta R.T. 0.00 min

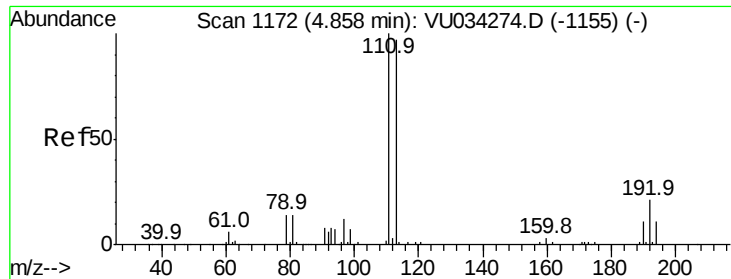
Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion: 114 Resp: 424198

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 20.9  | 0.0   | 42.4  |
| 88  | 15.8  | 0.0   | 32.4  |

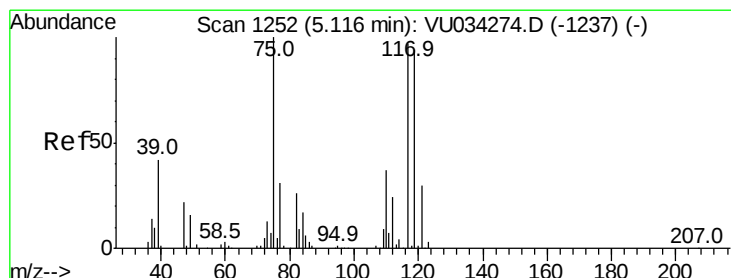
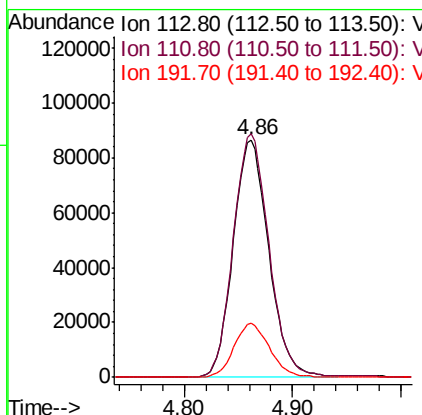
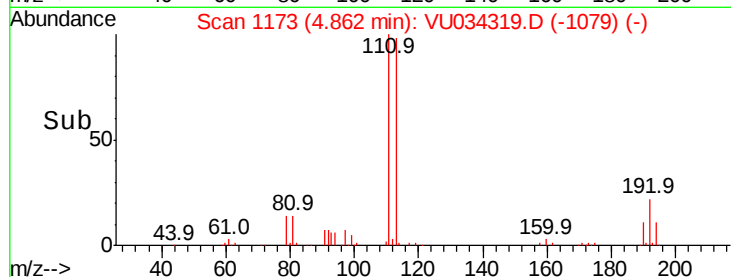
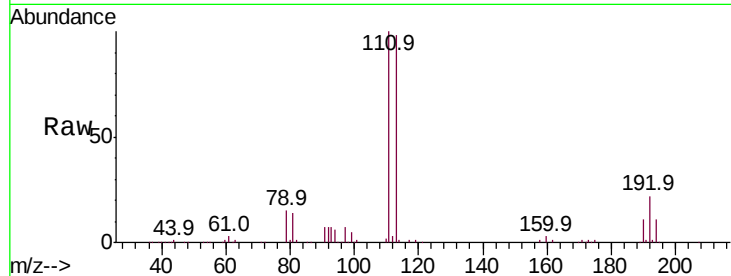




#35  
 Dibromofluoromethane  
 Concen: 50.337 ug/l  
 RT: 4.86 min Scan# 1173  
 Delta R.T. 0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

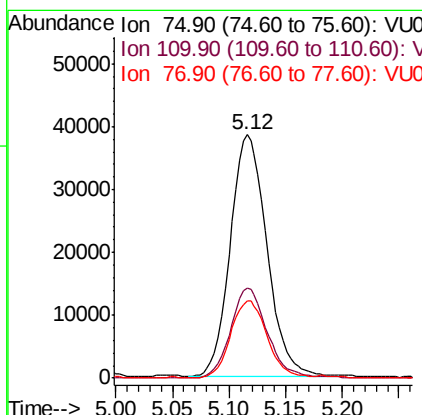
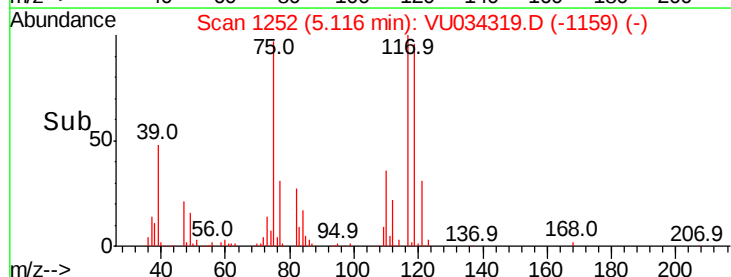
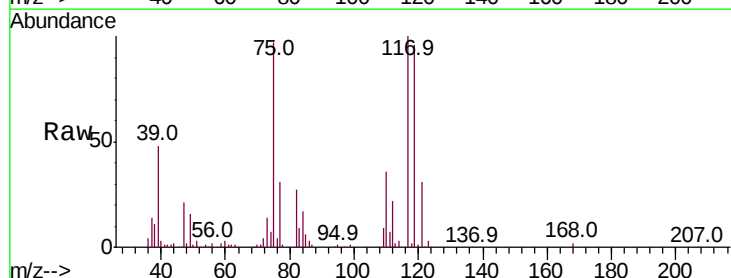
Instrument :  
 MSVOA\_U  
 ClientSampled :

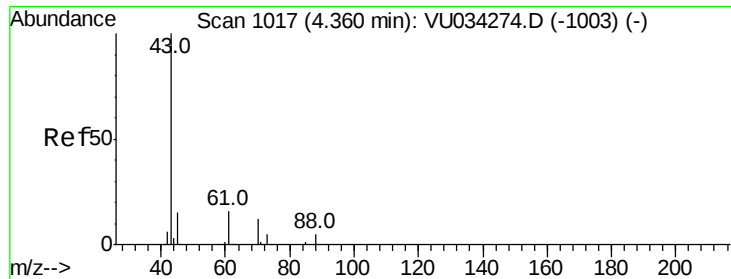
Tot Ion:113 Resp: 198689  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 81.5 122.3  
 192 22.5 17.8 26.8



#36  
 1,1-Dichloropropene  
 Concen: 18.768 ug/l  
 RT: 5.12 min Scan# 1252  
 Delta R.T. 0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

Tgt Ion: 75 Resp: 86344  
 Ion Ratio Lower Upper  
 75 100  
 110 37.1 18.3 54.9  
 77 32.1 24.9 37.3

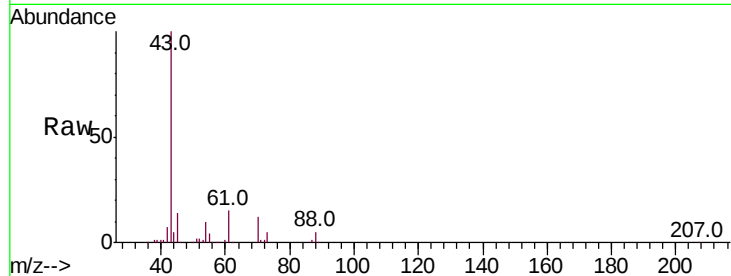




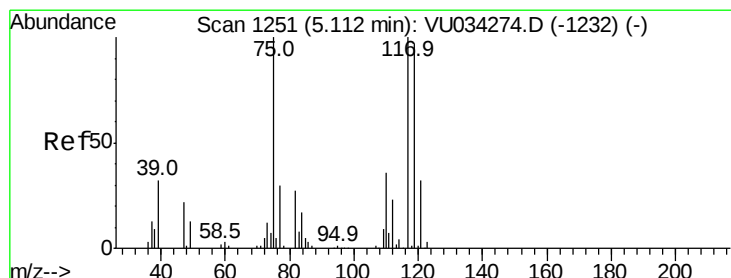
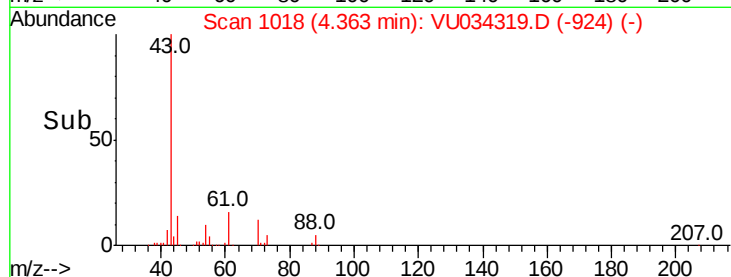
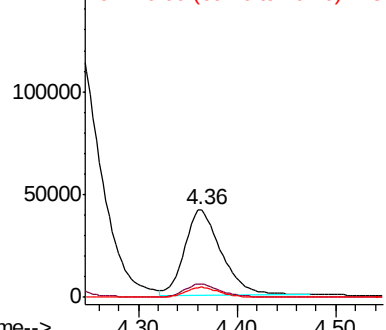
#37  
Ethyl Acetate  
Concen: 19.833 ug/l  
RT: 4.36 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 43 Resp: 107874  
Ion Ratio Lower Upper  
43 100  
61 14.9 12.3 18.5  
70 11.3 9.1 13.7

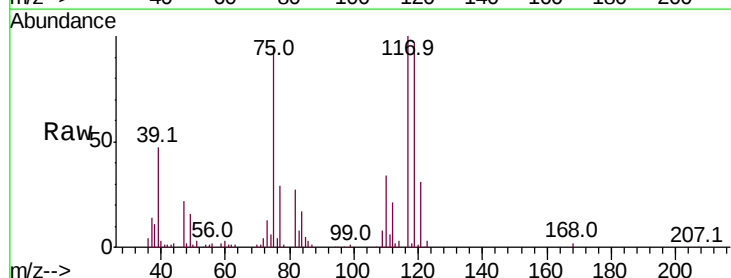


Abundance Ion 43.00 (42.70 to 43.70): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 70.00 (69.70 to 70.70): VU0

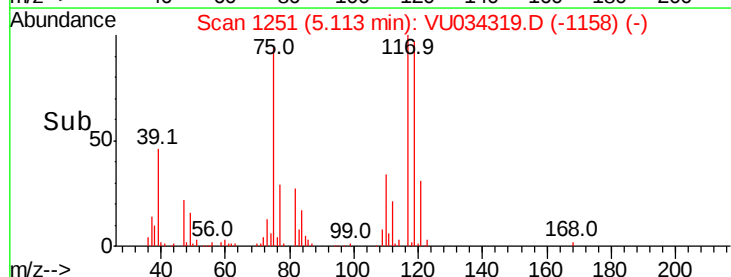
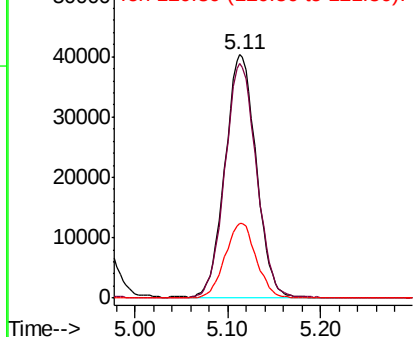


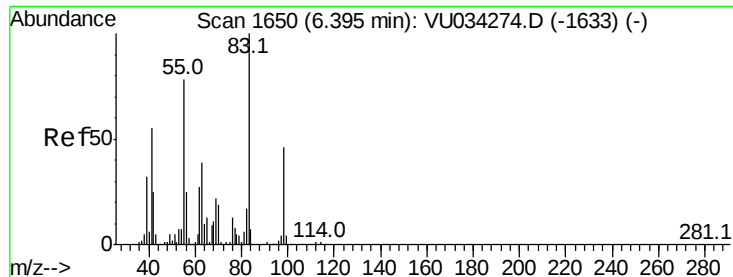
#38  
Carbon Tetrachloride  
Concen: 19.241 ug/l  
RT: 5.11 min Scan# 1251  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion: 117 Resp: 94514  
Ion Ratio Lower Upper  
117 100  
119 96.6 77.8 116.6  
121 30.6 25.2 37.8



Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 118.80 (118.50 to 119.50): V  
Ion 120.80 (120.50 to 121.50): V

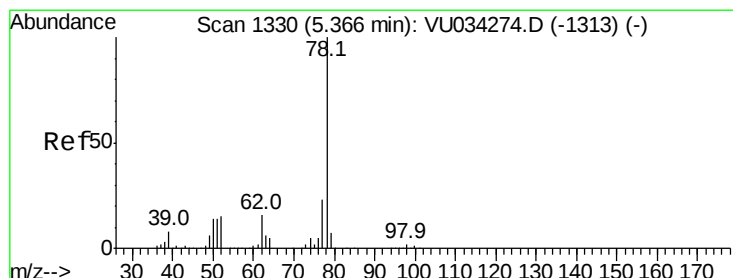
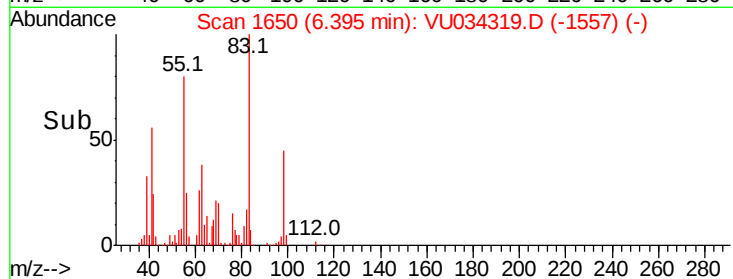
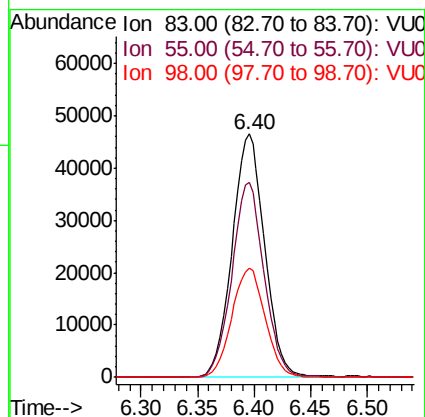
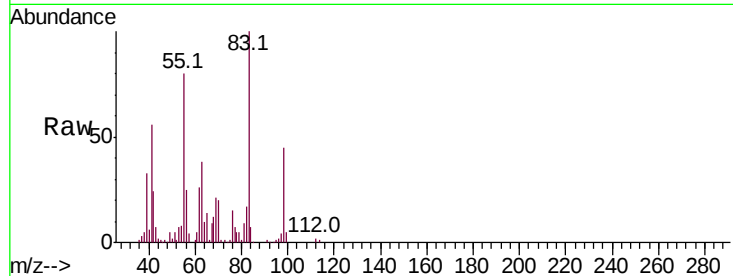




#39  
Methvlcvclohexane  
Concen: 18.897 ug/l  
RT: 6.40 min Scan# 1650  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

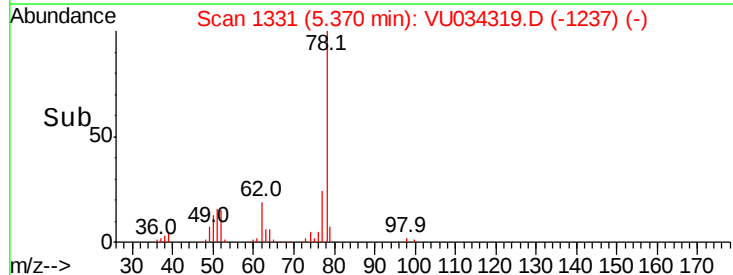
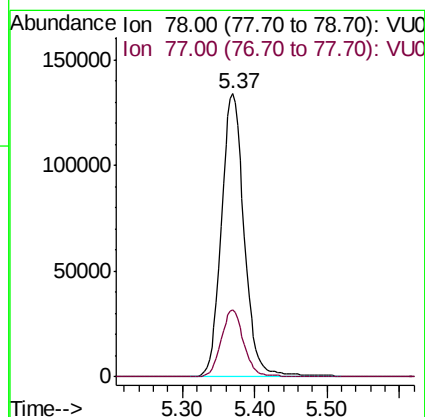
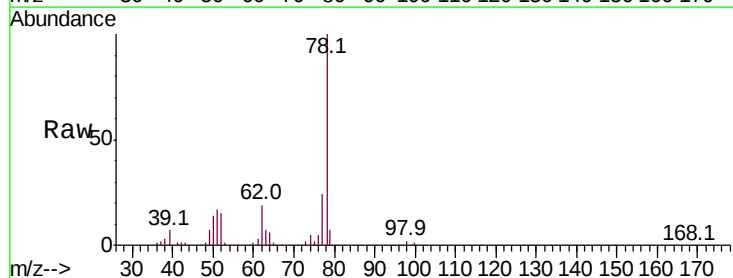
Instrument :  
MSVOA\_U  
ClientSampled :

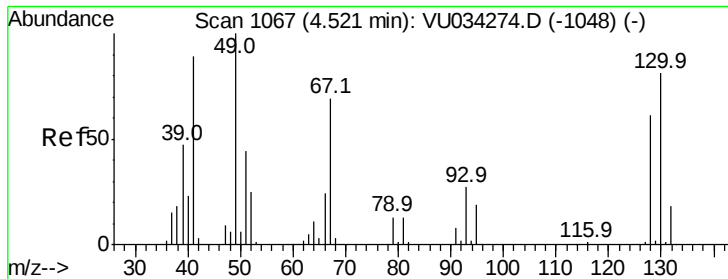
| Tot Ion   | 83    | Resp  | 92932 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 80.1  | 62.1  | 93.1  |
| 98        | 45.1  | 37.0  | 55.6  |



#40  
Benzene  
Concen: 19.757 ug/l  
RT: 5.37 min Scan# 1331  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

| Tgt Ion   | 78    | Resp  | 293285 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.8  | 18.7  | 28.1   |

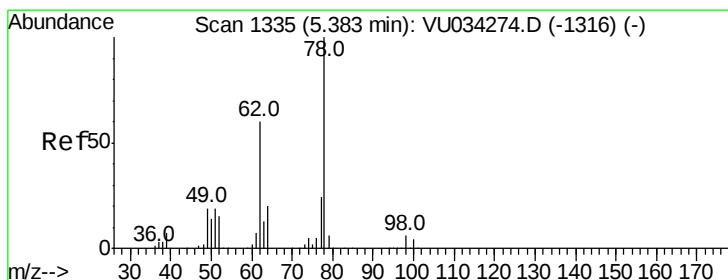
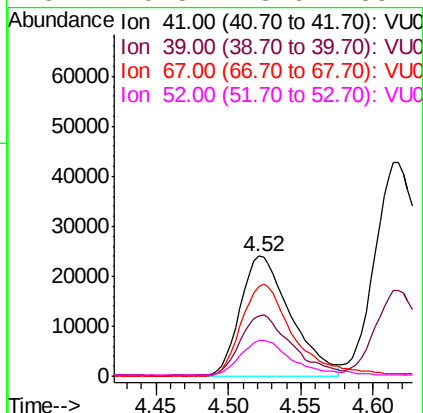
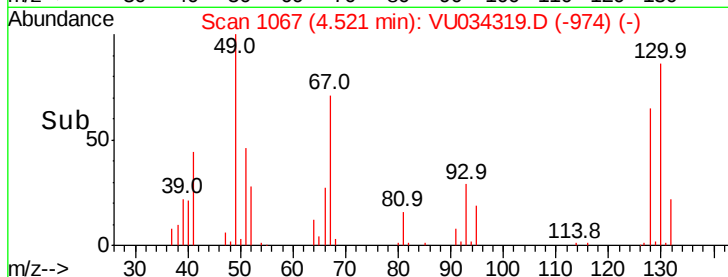
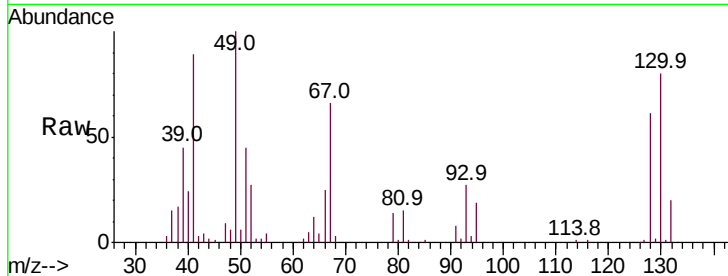




#41  
Methacrylonitrile  
Concen: 19.919 ug/l  
RT: 4.52 min Scan# 1067  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

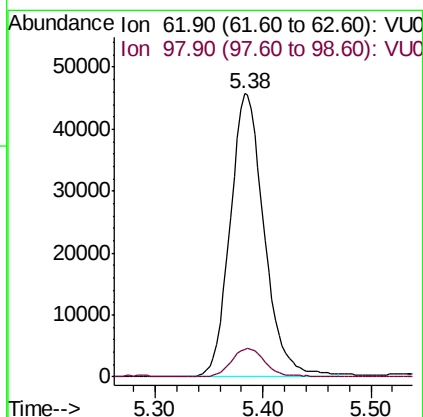
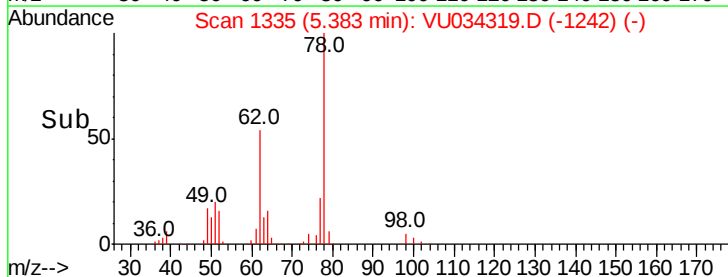
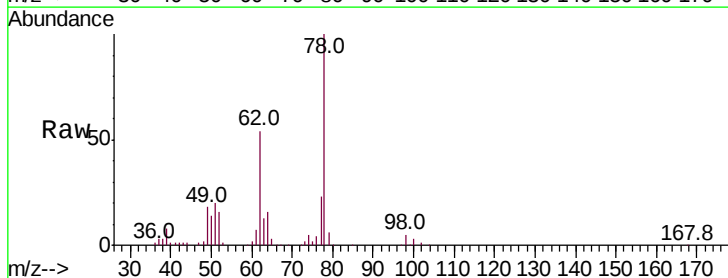
Instrument :  
MSVOA\_U  
ClientSampleId :

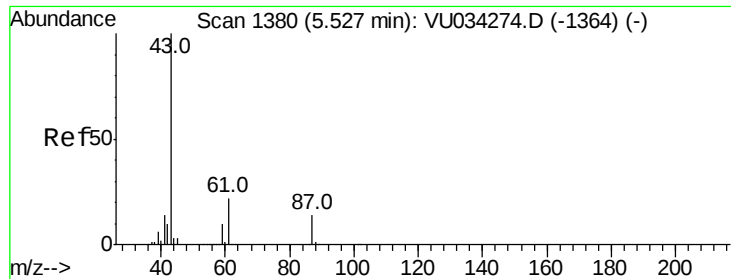
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 41    | Resp: | 57711 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.4  | 41.0  | 61.4  |
| 67       | 80.0  | 62.4  | 93.6  |
| 52       | 29.8  | 23.6  | 35.4  |



#42  
1,2-Dichloroethane  
Concen: 19.538 ug/l  
RT: 5.38 min Scan# 1335  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 100697 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.0  | 0.0   | 20.0   |





#43

Isopropyl Acetate

Concen: 19.504 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

ClientSampleId :

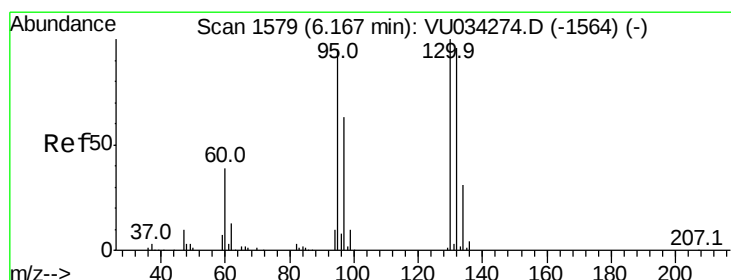
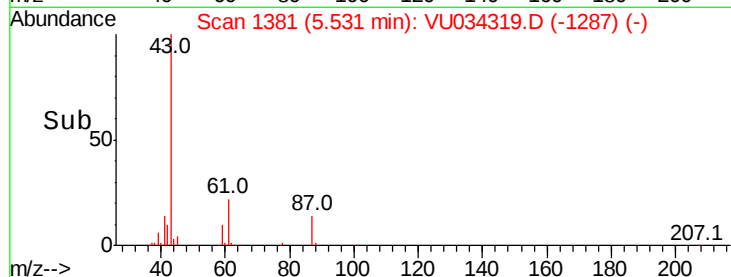
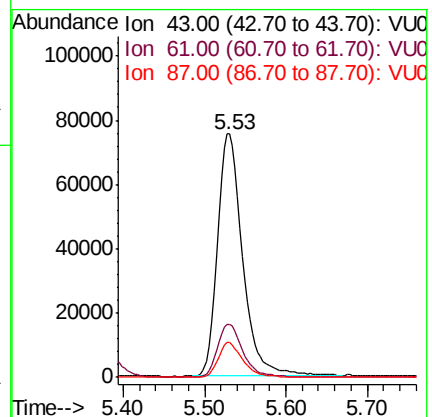
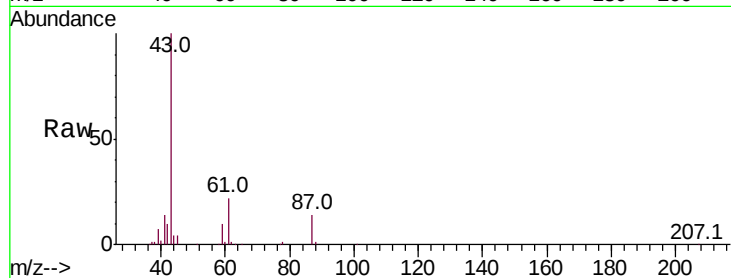
Tot Ion: 43 Resp: 165497

Ion Ratio Lower Upper

43 100

61 22.2 17.1 25.7

87 14.0 11.1 16.7



#44

Trichloroethene

Concen: 19.259 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034319.D

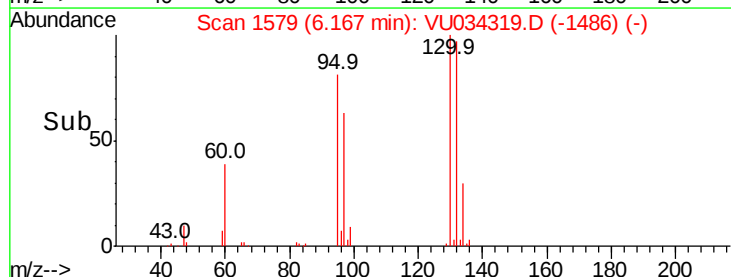
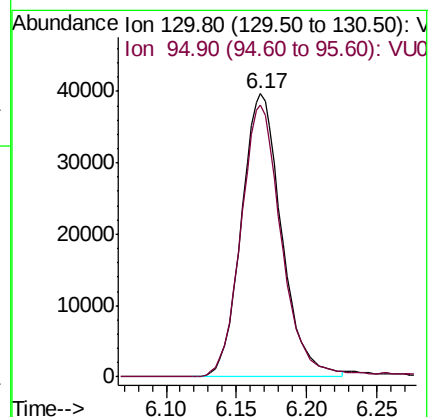
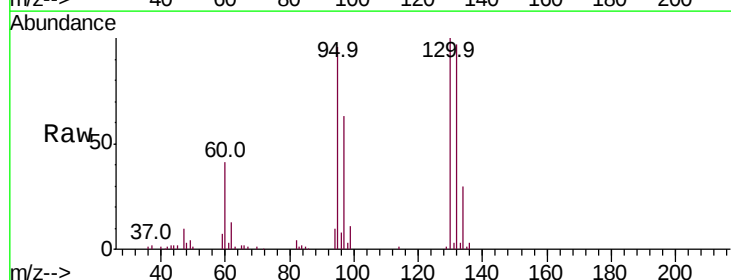
Acq: 06 Sep 2019 10:31

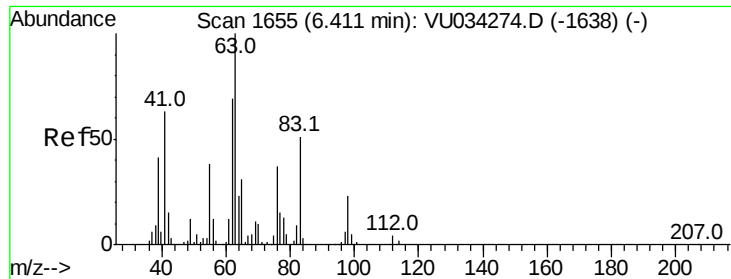
Tgt Ion:130 Resp: 79111

Ion Ratio Lower Upper

130 100

95 96.2 0.0 189.2





#45

1,2-Dichloropropane

Concen: 19.802 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

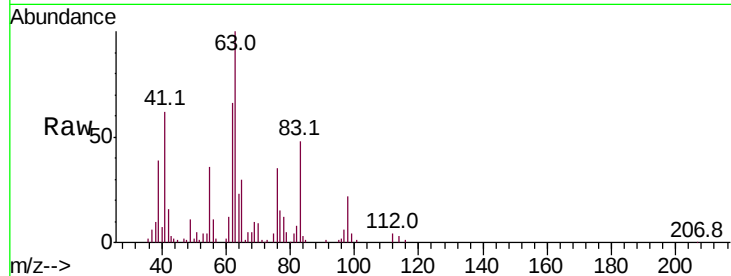
ClientSampleId :

Tot Ion: 63 Resp: 85934

Ion Ratio Lower Upper

63 100

65 30.4 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU034319.D (-1638) (-)

Ion 64.90 (64.60 to 65.60): VU034319.D (-1638) (-)

6.41

50000

40000

30000

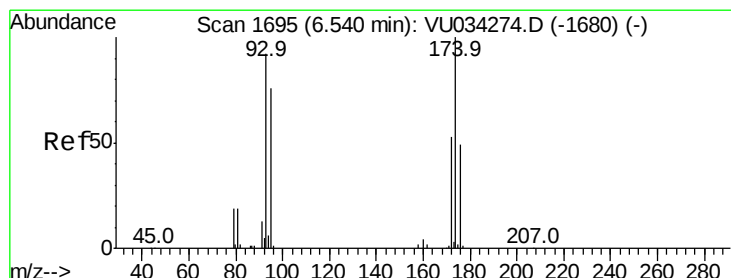
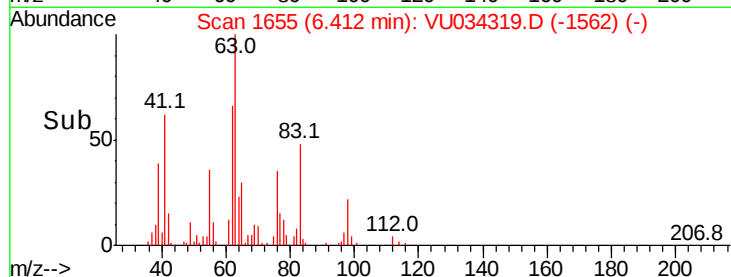
20000

10000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 19.524 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

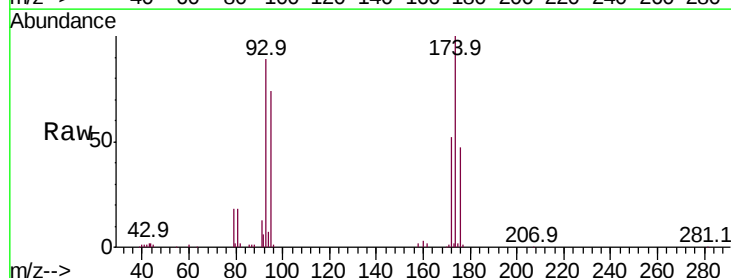
Tgt Ion: 93 Resp: 53184

Ion Ratio Lower Upper

93 100

95 84.2 66.5 99.7

174 112.0 87.8 131.6



Abundance Ion 92.80 (92.50 to 93.50): VU034319.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034319.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034319.D (-1680) (-)

6.54

40000

30000

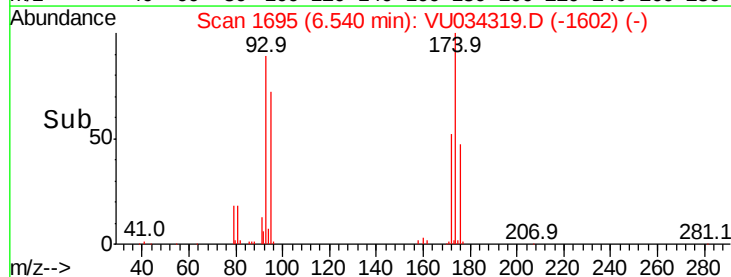
20000

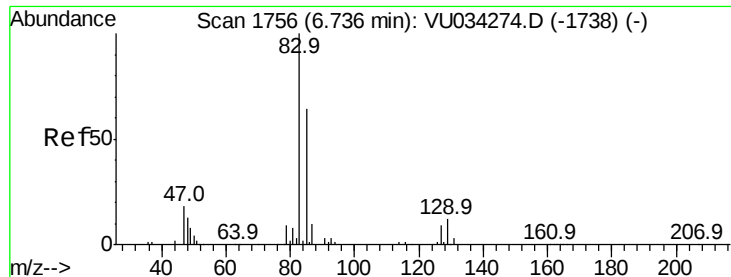
10000

0

6.45 6.50 6.55 6.60

Time-->





#47

Bromodichloromethane

Concen: 19.129 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

ClientSampleId :

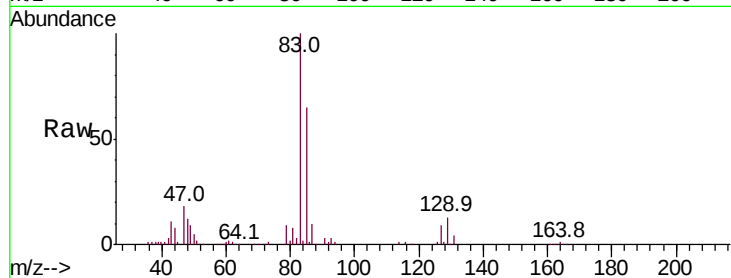
Tot Ion: 83 Resp: 107259

Ion Ratio Lower Upper

83 100

85 65.4 51.1 76.7

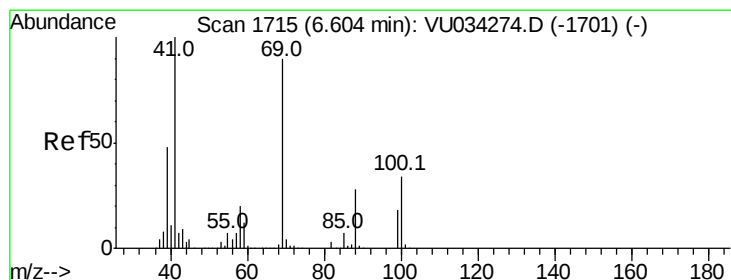
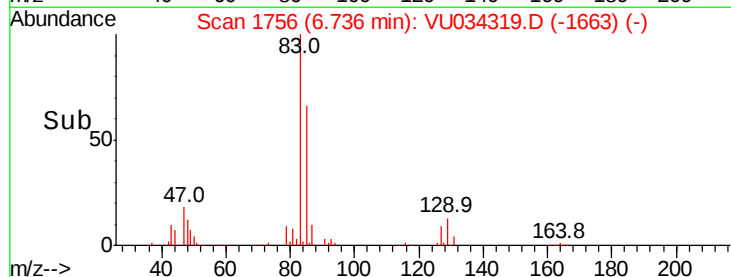
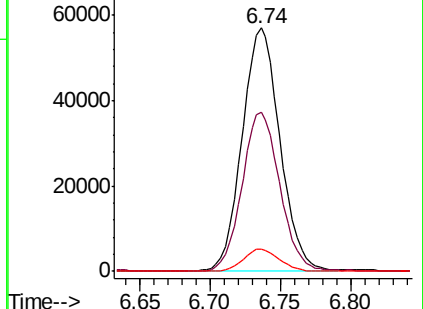
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034274.D (-1738) (-)

Ion 84.90 (84.60 to 85.60): VU034274.D (-1738) (-)

Ion 126.80 (126.50 to 127.50): VU034274.D (-1738) (-)



#48

Methyl methacrylate

Concen: 19.310 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

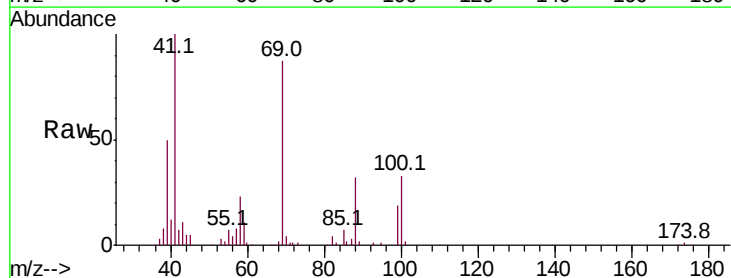
Tgt Ion: 41 Resp: 77823

Ion Ratio Lower Upper

41 100

69 90.3 72.8 109.2

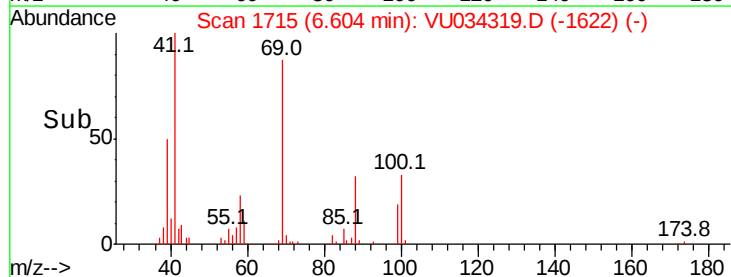
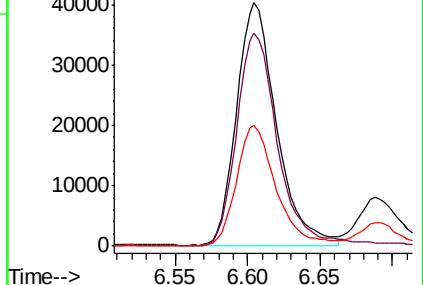
39 48.8 38.6 58.0

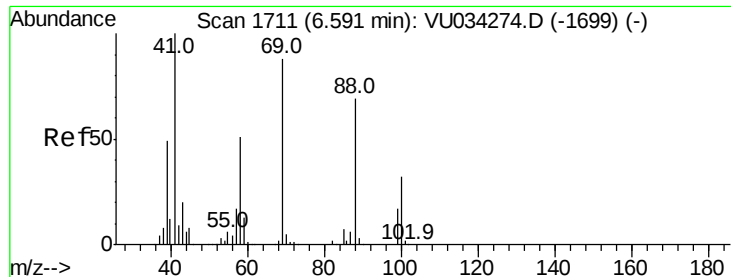


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-1701) (-)

Ion 69.00 (68.70 to 69.70): VU034274.D (-1701) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-1701) (-)





#49

1,4-Dioxane

Concen: 390.521 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampleId :

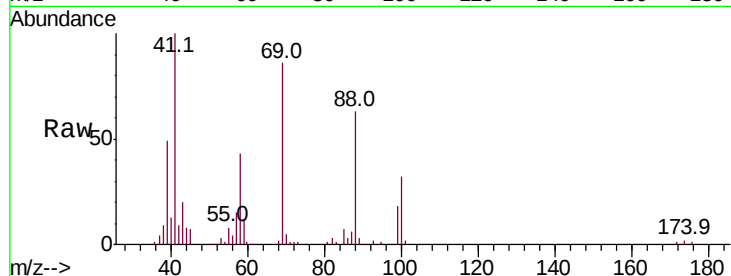
Tot Ion: 88 Resp: 34367

Ion Ratio Lower Upper

88 100

43 30.1 23.8 35.6

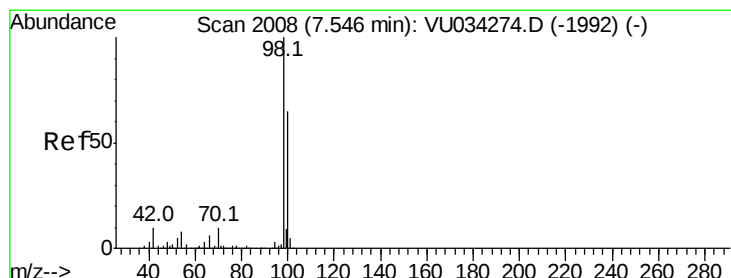
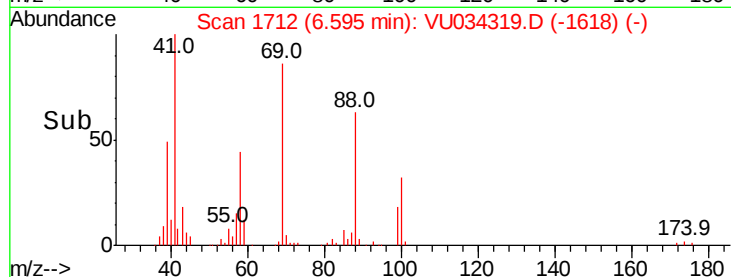
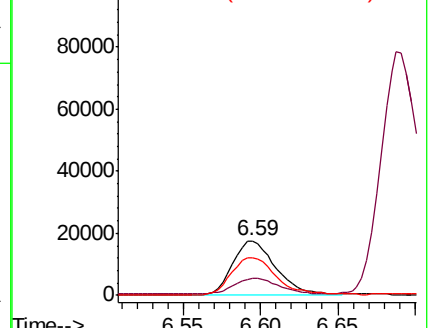
58 72.4 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VU034274.D (-1699) (-)

Ion 43.00 (42.70 to 43.70): VU034274.D (-1699) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1699) (-)



#50

Toluene-d8

Concen: 52.428 ug/l

RT: 7.54 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VU034319.D

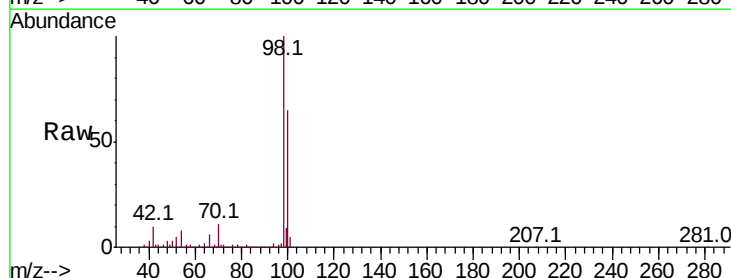
Acq: 06 Sep 2019 10:31

Tgt Ion: 98 Resp: 777486

Ion Ratio Lower Upper

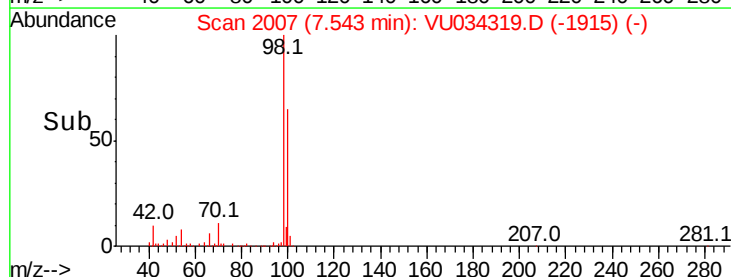
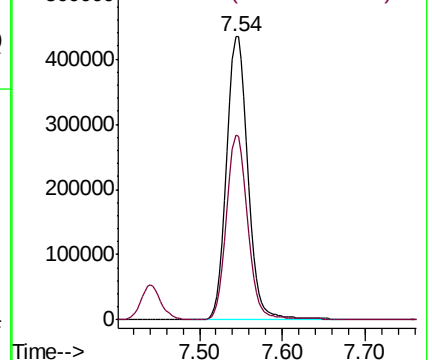
98 100

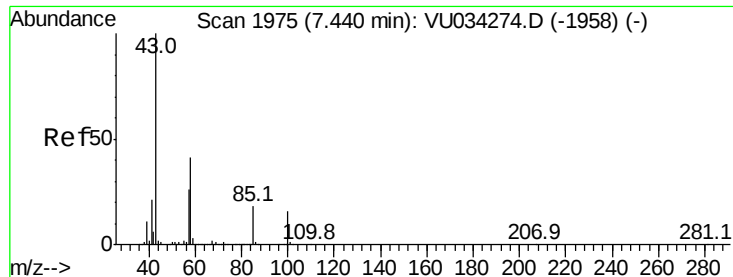
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VU034274.D (-1992) (-)

Ion 100.00 (99.70 to 100.70): VU034274.D (-1992) (-)





#51

4-Methyl-2-Pentanone

Concen: 98.799 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

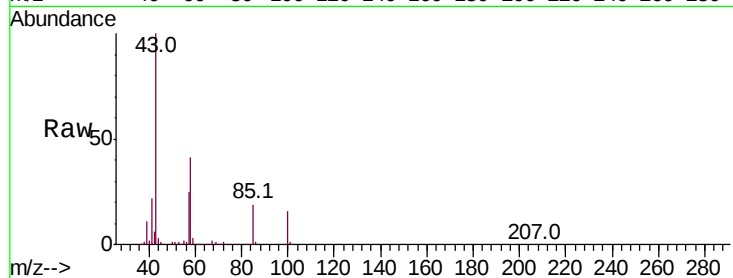
ClientSampled :

Tot Ion: 43 Resp: 580285

Ion Ratio Lower Upper

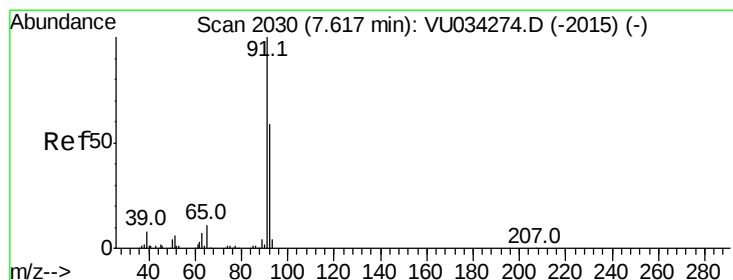
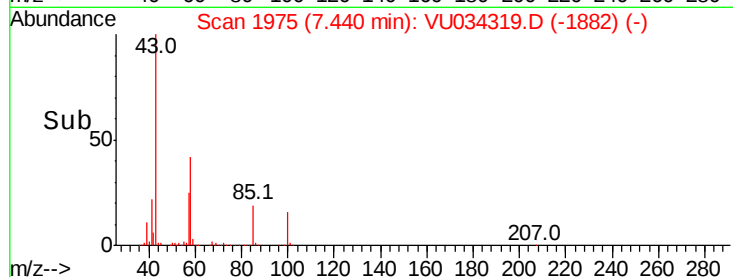
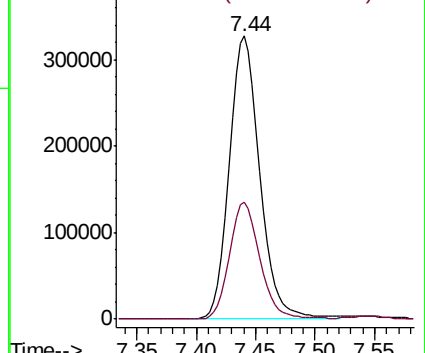
43 100

58 41.4 33.0 49.4



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)



#52

Toluene

Concen: 19.678 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034319.D

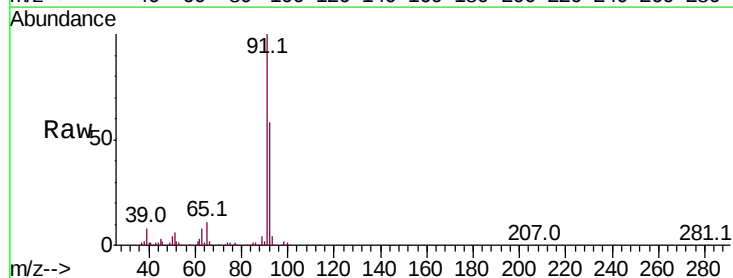
Acq: 06 Sep 2019 10:31

Tgt Ion: 92 Resp: 183239

Ion Ratio Lower Upper

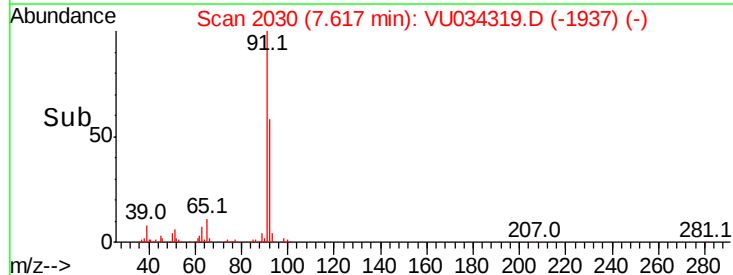
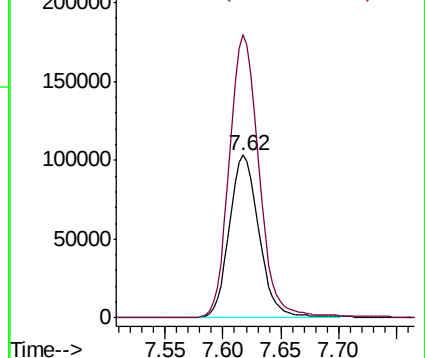
92 100

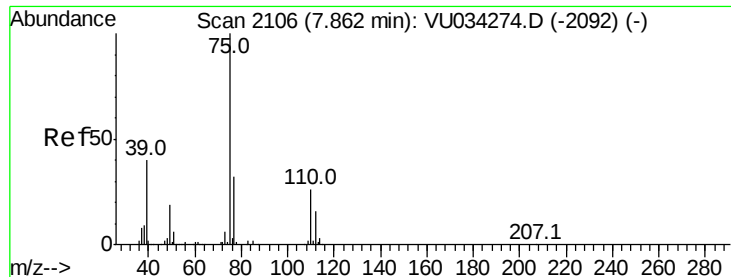
91 173.5 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-2015) (-)





#53

t-1,3-Dichloropropene

Concen: 19.190 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

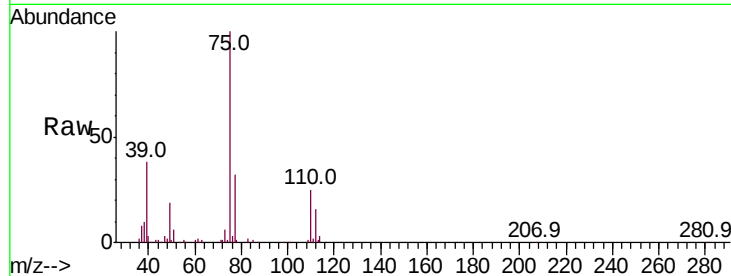
Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 75 Resp: 111543

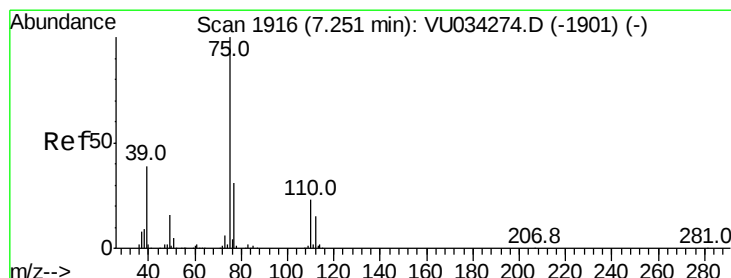
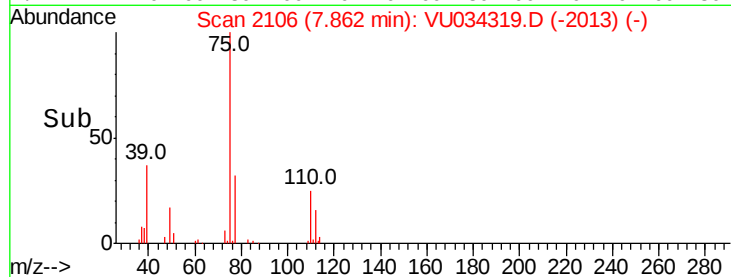
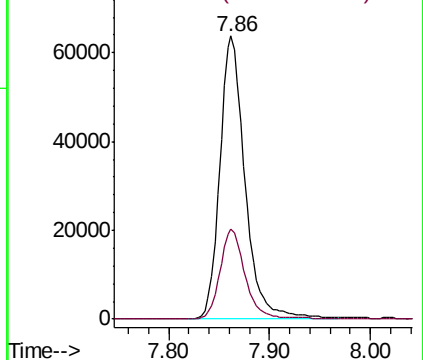
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.672 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

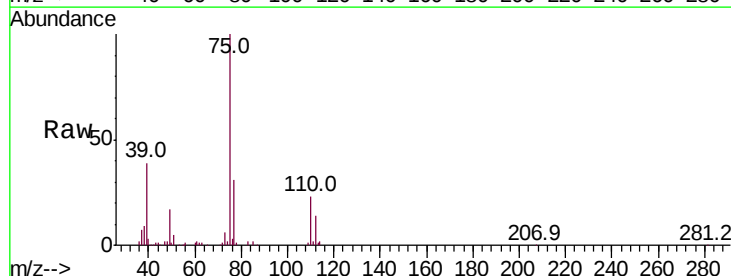
Tgt Ion: 75 Resp: 125498

Ion Ratio Lower Upper

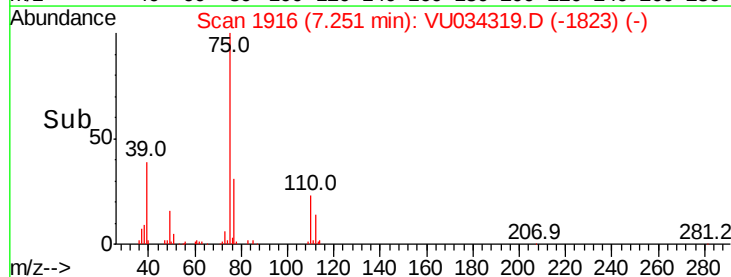
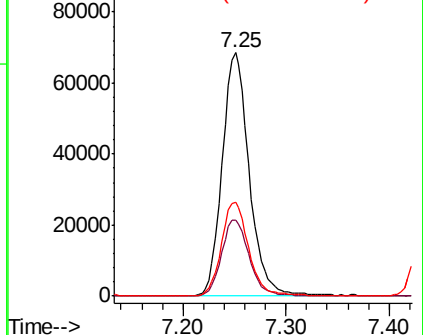
75 100

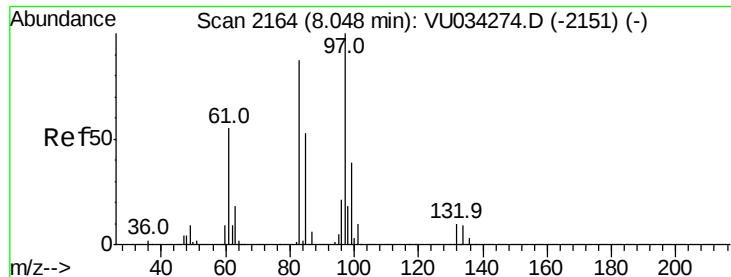
77 31.3 25.1 37.7

39 38.6 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU0  
Ion 76.90 (76.60 to 77.60): VU0  
Ion 39.00 (38.70 to 39.70): VU0

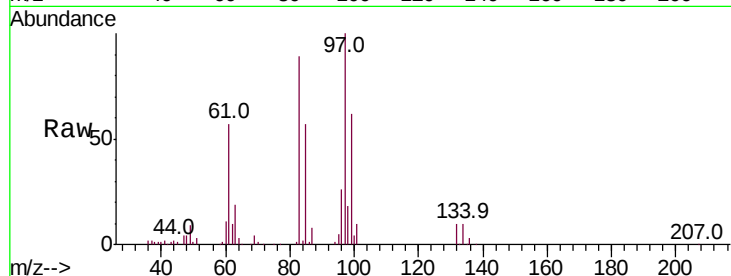




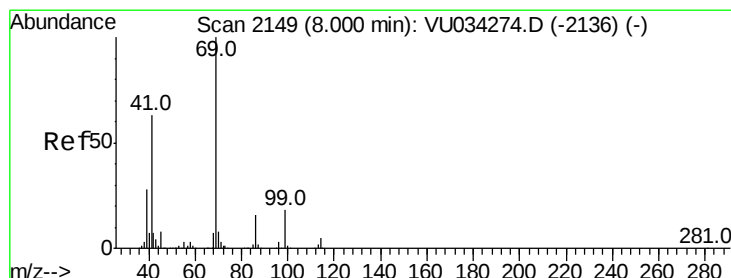
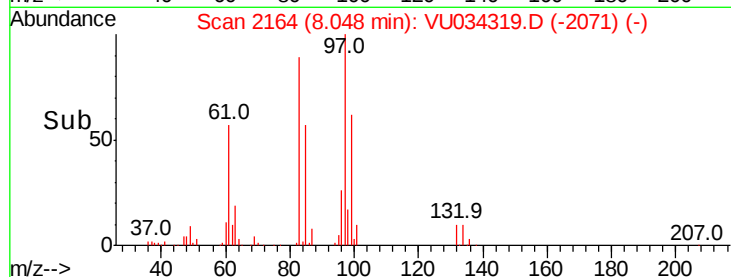
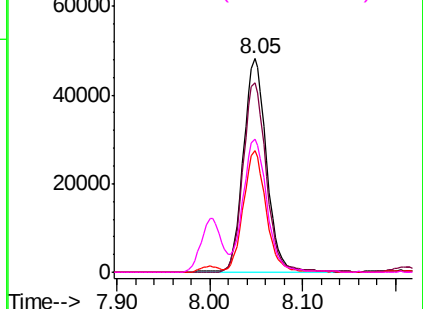
#55  
 1,1,2-Trichloroethane  
 Concen: 19.883 ug/l  
 RT: 8.05 min Scan# 2164  
 Delta R.T. 0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tot Ion: 97 Resp: 84075  
 Ion Ratio Lower Upper  
 97 100  
 83 88.9 69.0 103.6  
 85 56.8 44.2 66.2  
 99 61.8 49.4 74.0

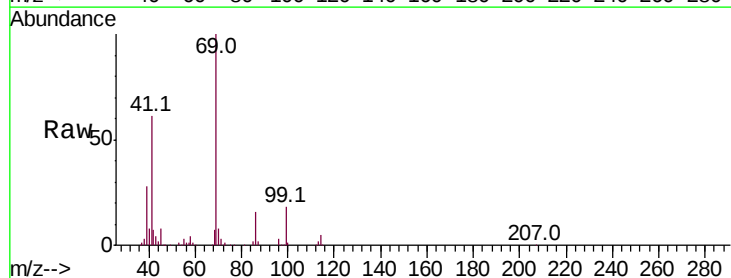


Abundance Ion 96.90 (96.60 to 97.60): VU0  
 Ion 82.90 (82.60 to 83.60): VU0  
 Ion 84.90 (84.60 to 85.60): VU0  
 Ion 98.90 (98.60 to 99.60): VU0

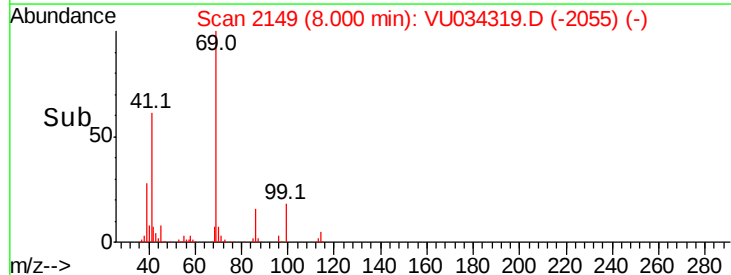
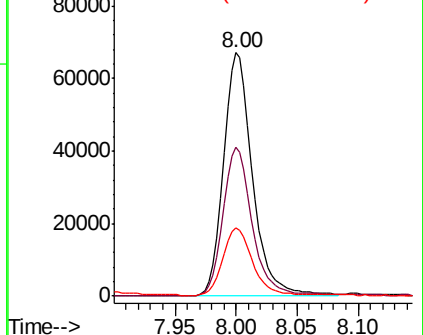


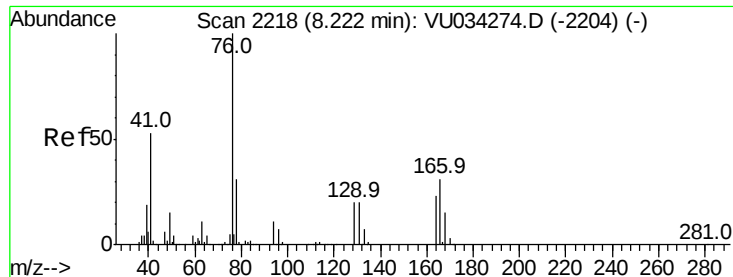
#56  
 Ethyl methacrylate  
 Concen: 19.502 ug/l  
 RT: 8.00 min Scan# 2149  
 Delta R.T. 0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

Tgt Ion: 69 Resp: 112440  
 Ion Ratio Lower Upper  
 69 100  
 41 62.0 49.5 74.3  
 39 28.6 22.5 33.7



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: 19.361 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

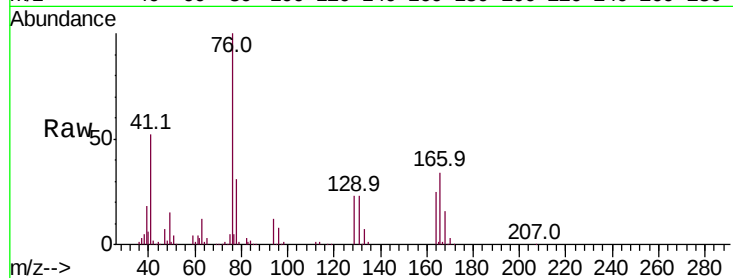
ClientSampled :

Tot Ion: 76 Resp: 133306

Ion Ratio Lower Upper

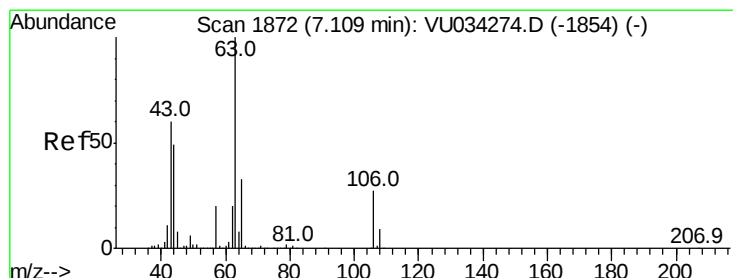
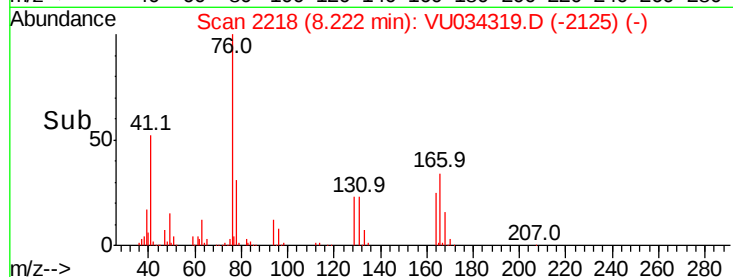
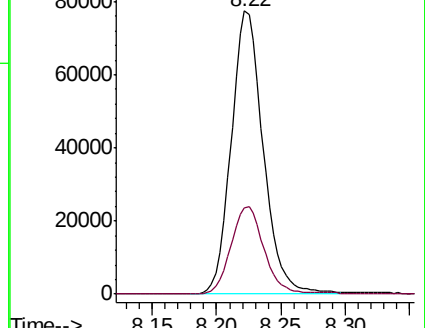
76 100

78 31.9 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034319.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034319.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 96.630 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034319.D

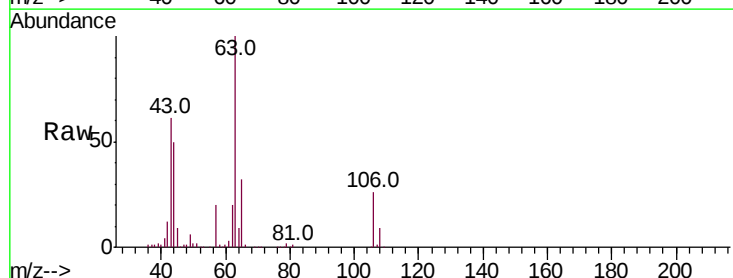
Acq: 06 Sep 2019 10:31

Tgt Ion: 63 Resp: 186287

Ion Ratio Lower Upper

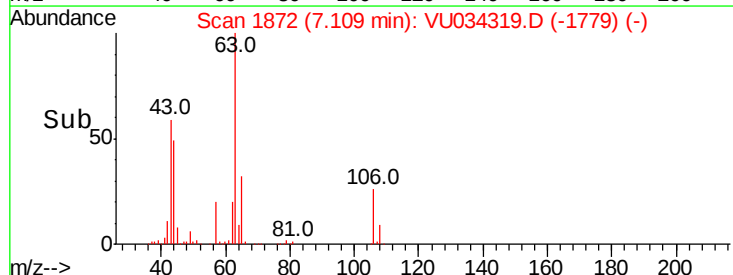
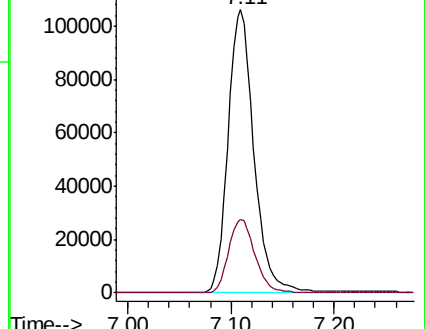
63 100

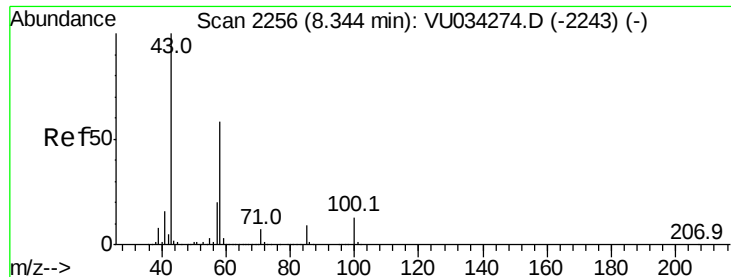
106 26.5 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU034319.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034319.D (-1779) (-)

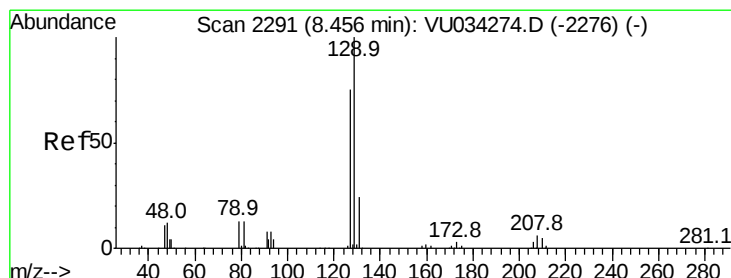
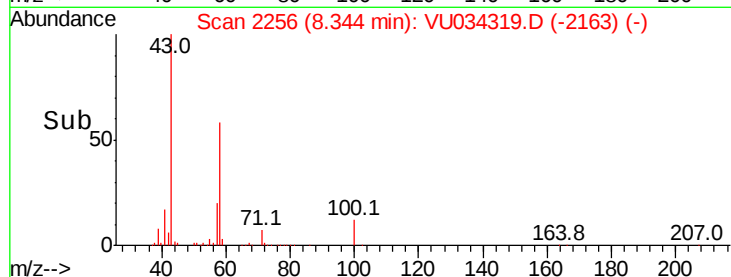
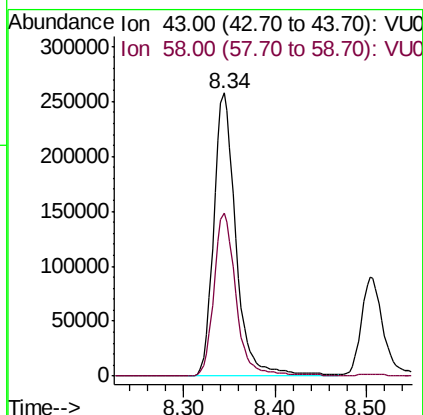
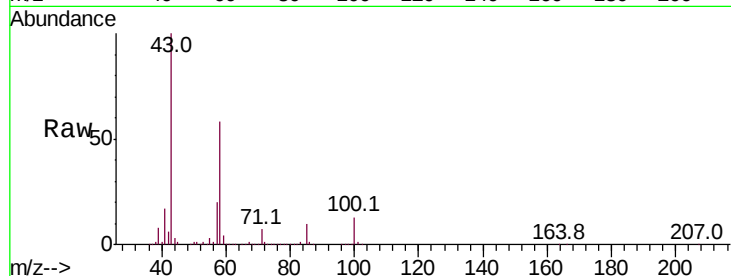




#59  
2-Hexanone  
Concen: 99.130 ug/l  
RT: 8.34 min Scan# 2256  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

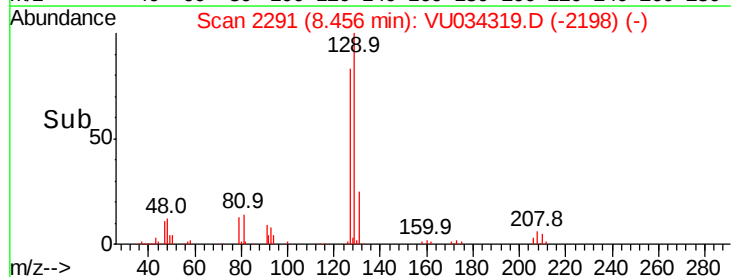
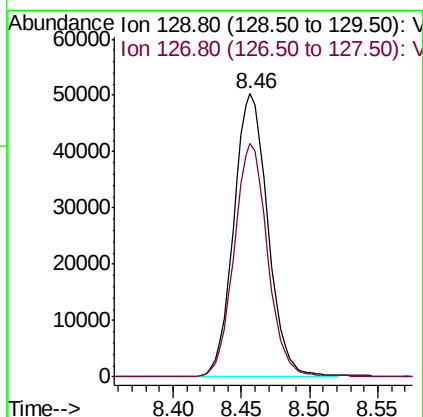
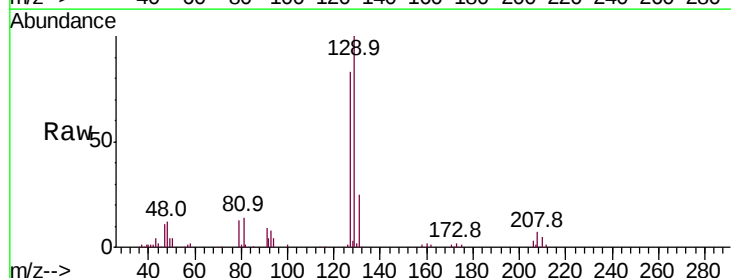
Instrument :  
MSVOA\_U  
ClientSampleId :

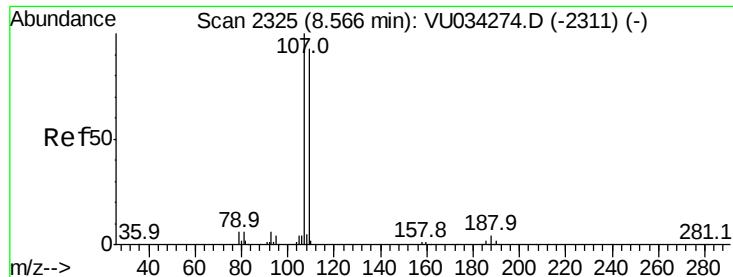
Tot Ion: 43 Resp: 434956  
Ion Ratio Lower Upper  
43 100  
58 57.3 28.8 86.5



#60  
Dibromochloromethane  
Concen: 19.273 ug/l  
RT: 8.46 min Scan# 2291  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion: 129 Resp: 87411  
Ion Ratio Lower Upper  
129 100  
127 81.0 37.9 113.7





#61

1,2-Dibromoethane

Concen: 19.494 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

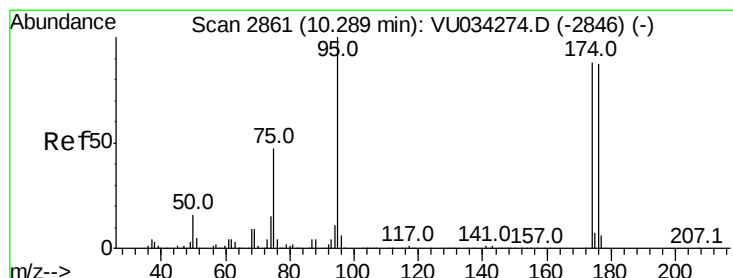
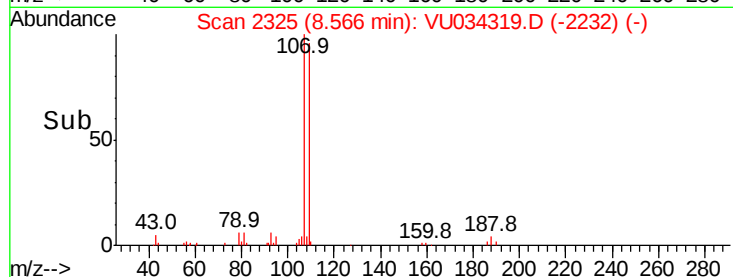
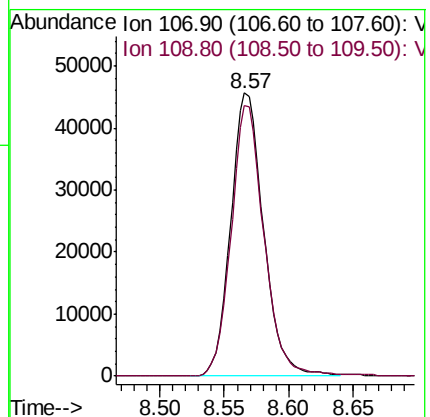
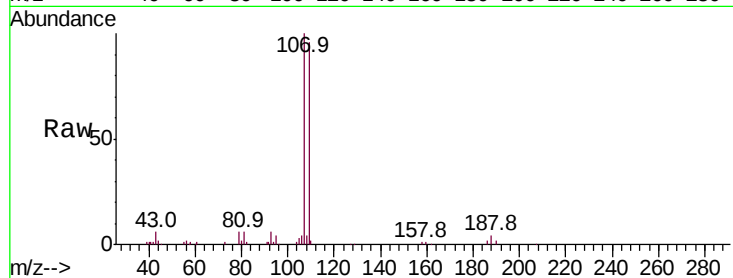
Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion:107 Resp: 80678

Ion Ratio Lower Upper

107 100

109 95.8 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 49.999 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

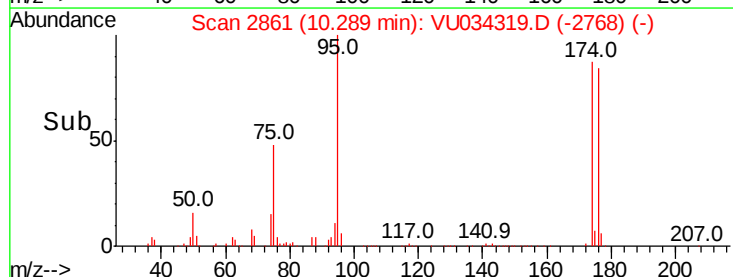
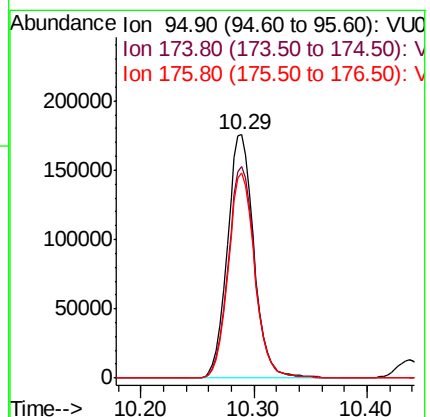
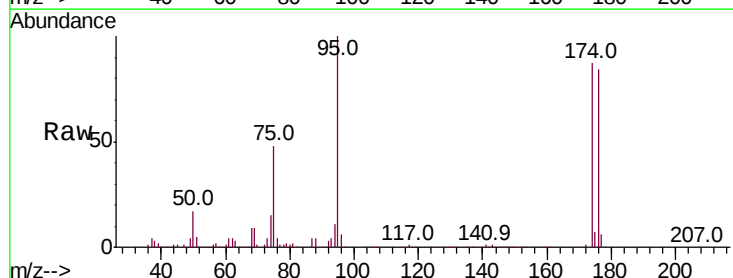
Tgt Ion: 95 Resp: 286276

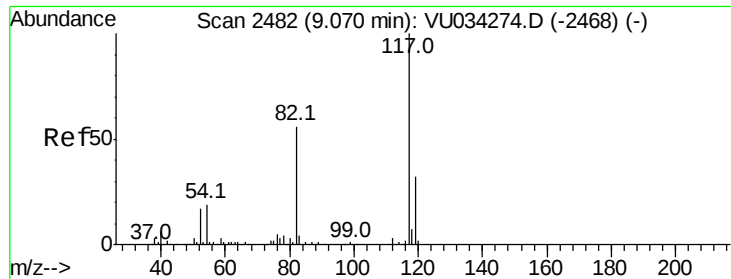
Ion Ratio Lower Upper

95 100

174 87.4 0.0 175.2

176 84.1 0.0 168.0

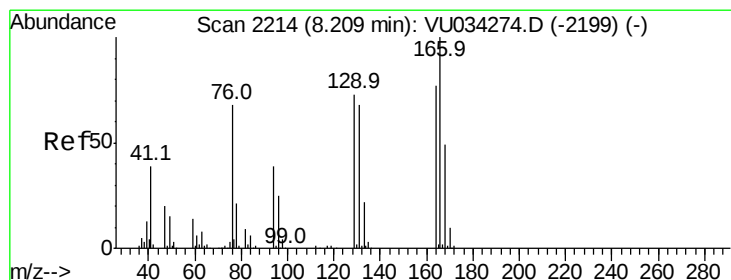
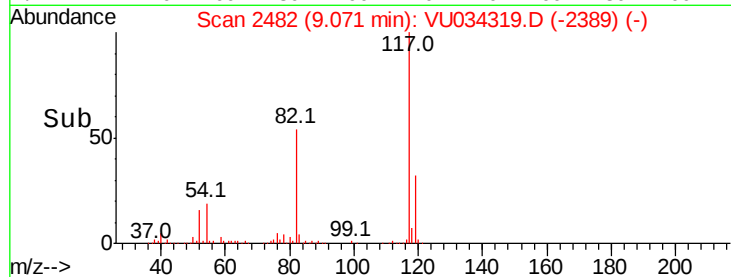
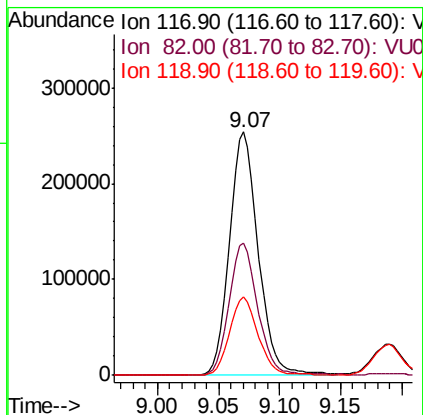
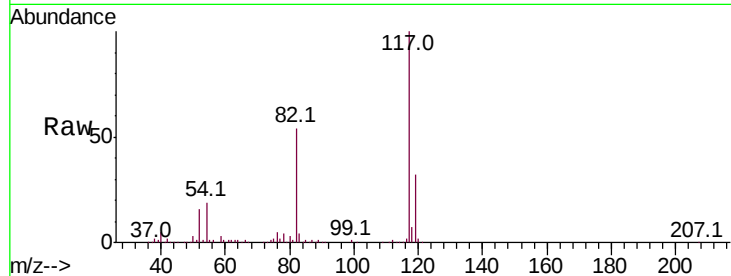




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.07 min Scan# 2482  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

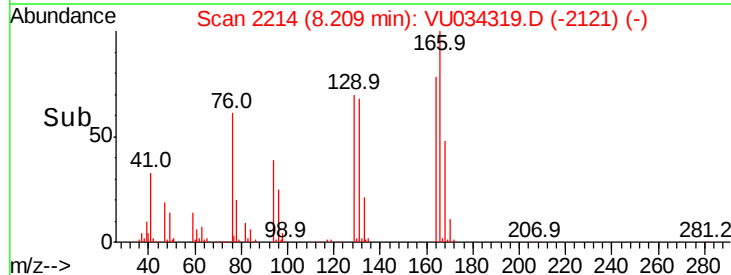
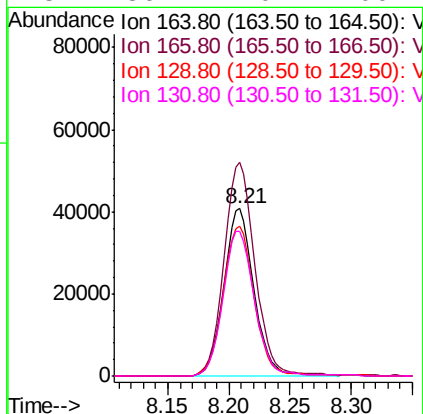
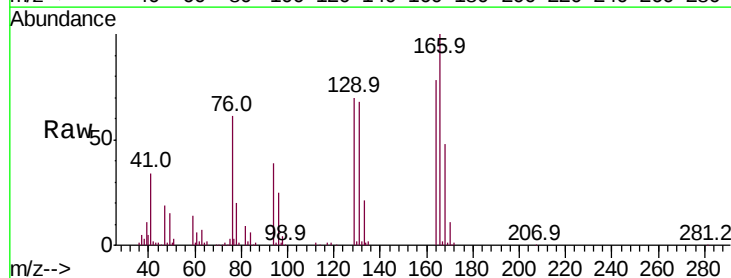
Instrument :  
MSVOA\_U  
ClientSampleId :

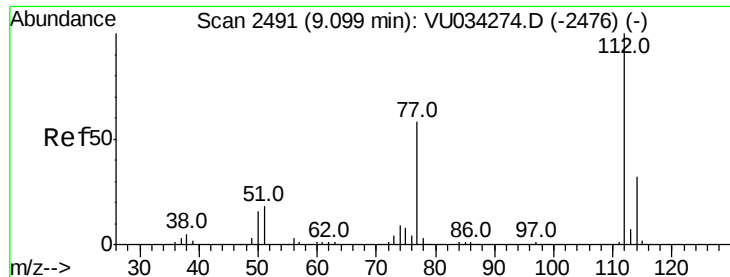
Tot Ion:117 Resp: 419243  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.6 67.0  
119 32.0 25.9 38.9



#64  
Tetrachloroethene  
Concen: 19.428 ug/l  
RT: 8.21 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion:164 Resp: 70663  
Ion Ratio Lower Upper  
164 100  
166 127.5 103.7 155.5  
129 89.7 75.8 113.8  
131 86.4 70.7 106.1

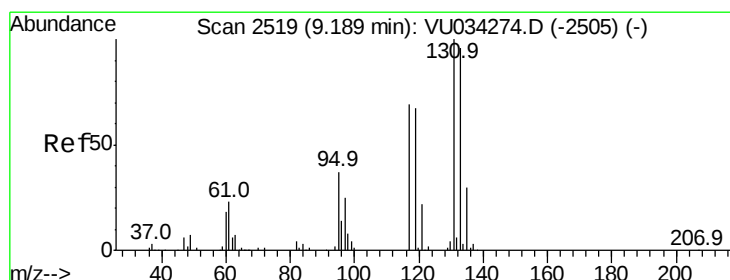
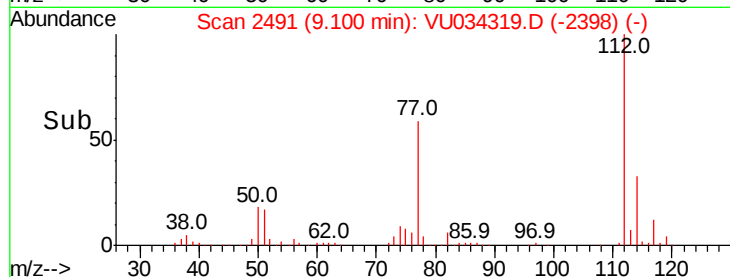
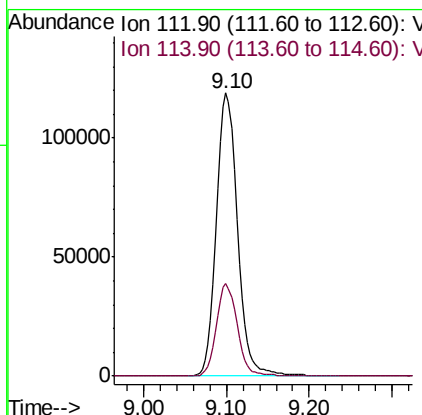
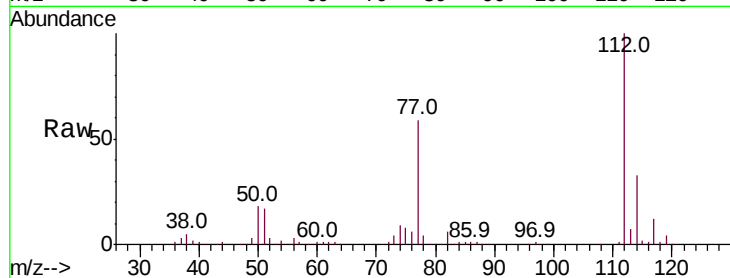




#65  
Chlorobenzene  
Concen: 19.843 ug/l  
RT: 9.10 min Scan# 2491  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

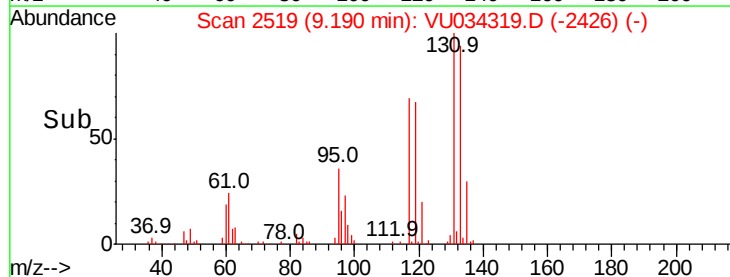
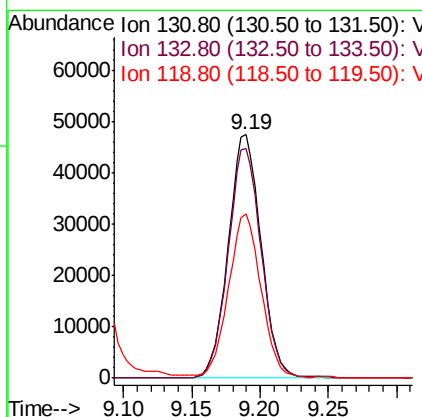
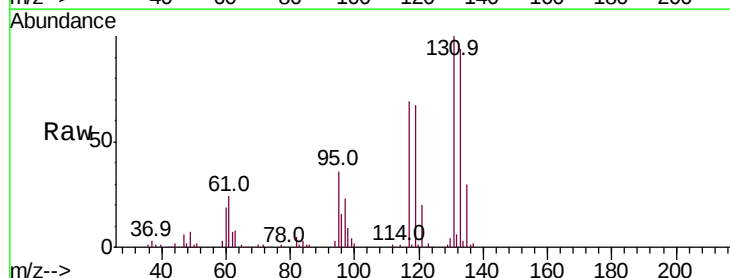
Instrument :  
MSVOA\_U  
ClientSampled :

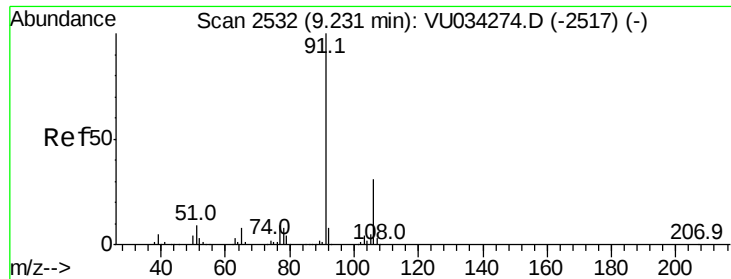
Tot Ion:112 Resp: 211059  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.9 38.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.504 ug/l  
RT: 9.19 min Scan# 2519  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion:131 Resp: 79172  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.9 143.7  
119 66.3 33.1 99.5

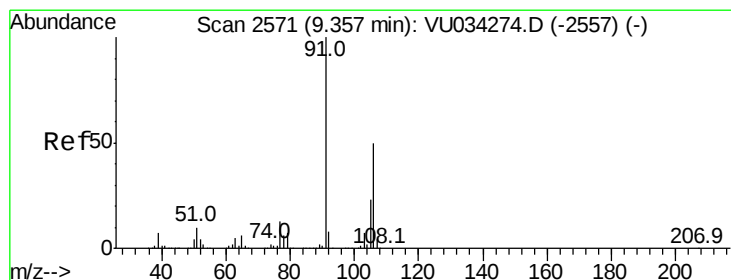
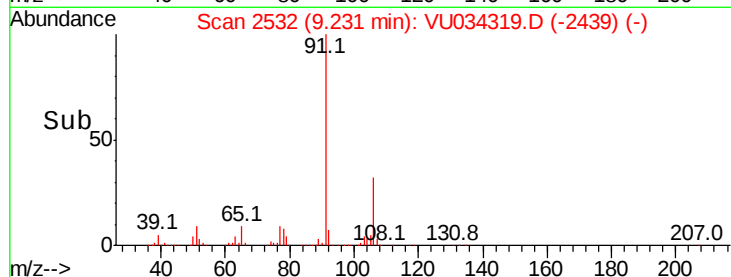
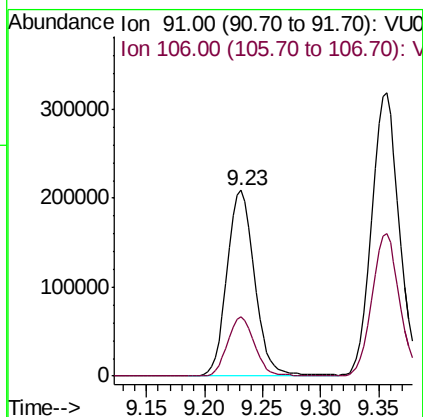
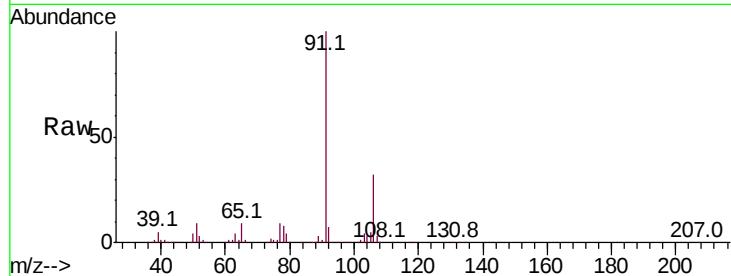




#67  
Ethyl Benzene  
Concen: 19.787 ug/l  
RT: 9.23 min Scan# 2532  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

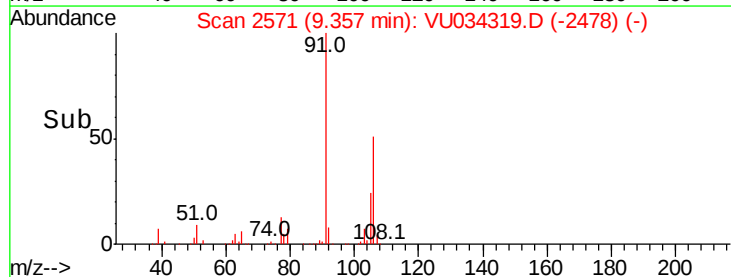
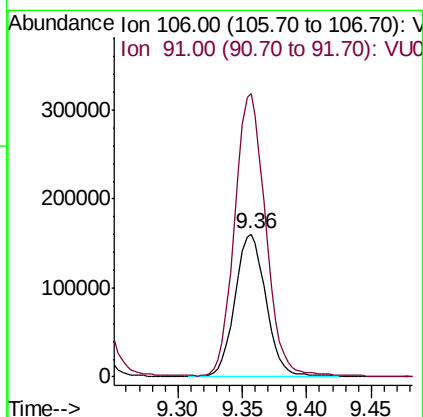
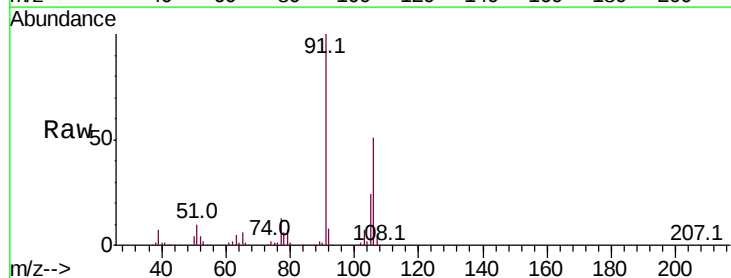
Instrument :  
MSVOA\_U  
ClientSampled :

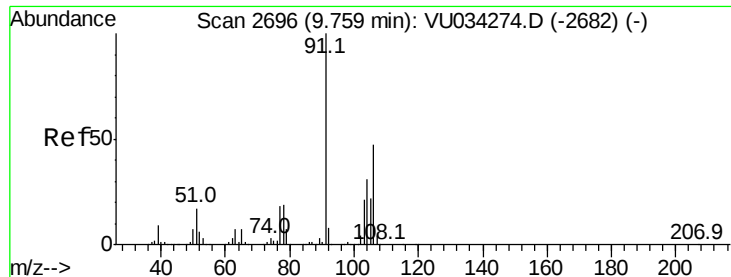
Tot Ion: 91 Resp: 344114  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.8 37.2



#68  
m/p-Xylenes  
Concen: 40.745 ug/l  
RT: 9.36 min Scan# 2571  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion:106 Resp: 266832  
Ion Ratio Lower Upper  
106 100  
91 200.7 160.1 240.1

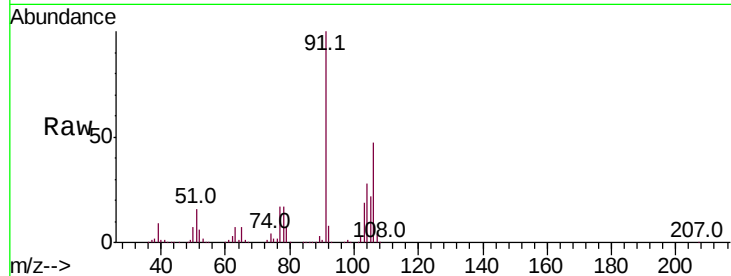




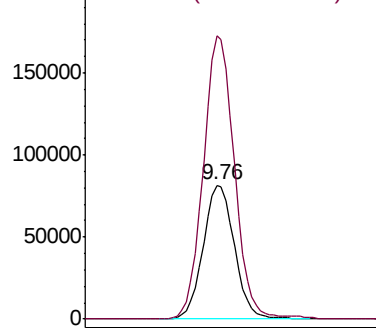
#69  
o-Xylene  
Concen: 20.230 ug/l  
RT: 9.76 min Scan# 2696  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampled :

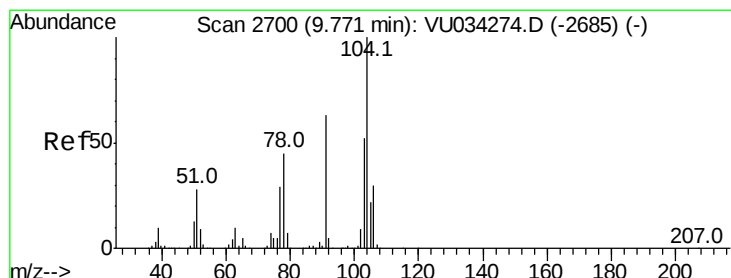
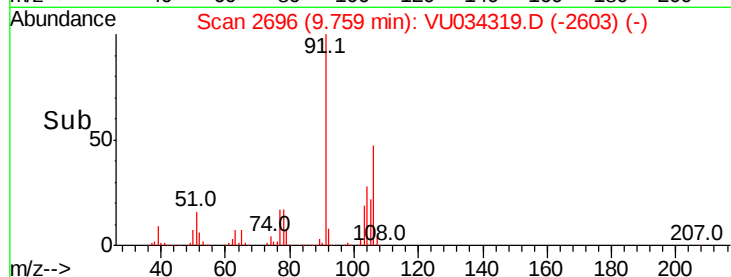
Tot Ion:106 Resp: 129562  
Ion Ratio Lower Upper  
106 100  
91 211.9 105.1 315.3



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

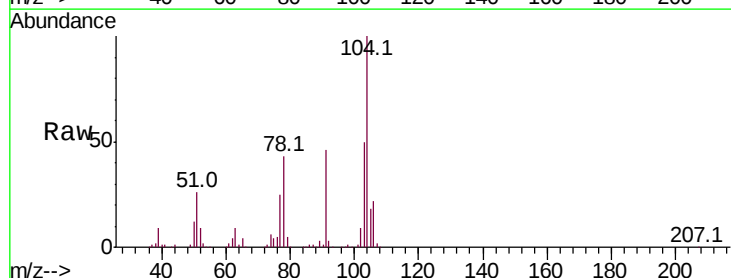


Time-->

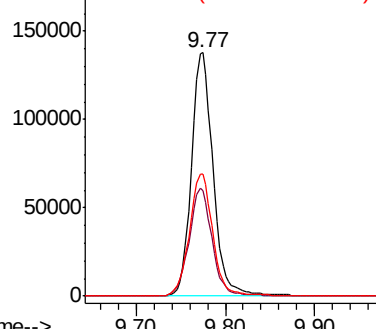


#70  
Styrene  
Concen: 20.696 ug/l  
RT: 9.77 min Scan# 2701  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

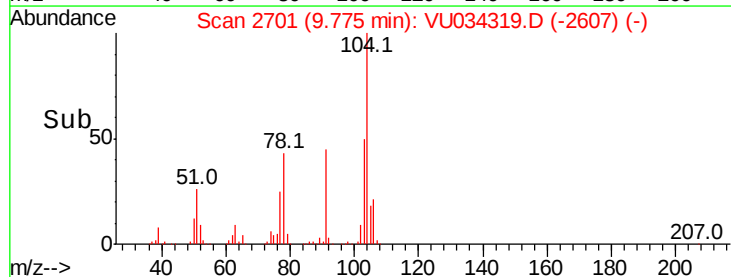
Tgt Ion:104 Resp: 232392  
Ion Ratio Lower Upper  
104 100  
78 47.2 38.6 57.8  
103 54.2 44.2 66.4

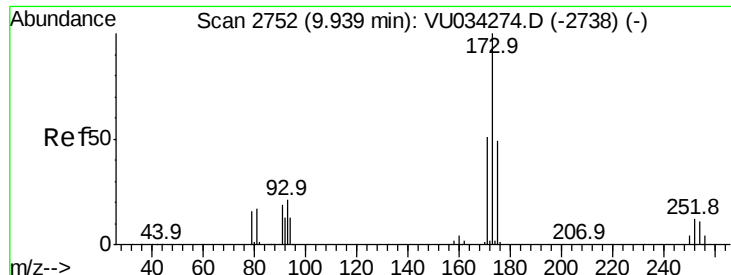


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 19.784 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampled :

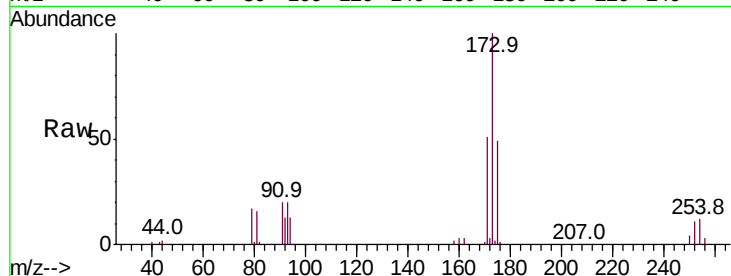
Tot Ion:173 Resp: 69598

Ion Ratio Lower Upper

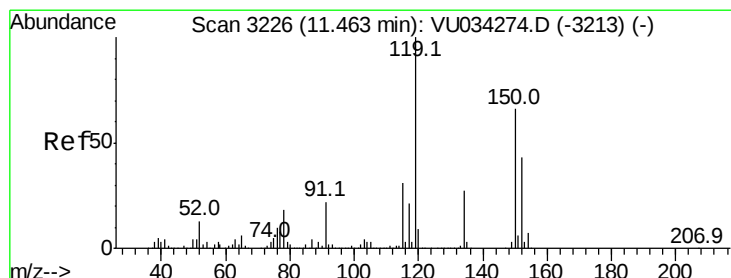
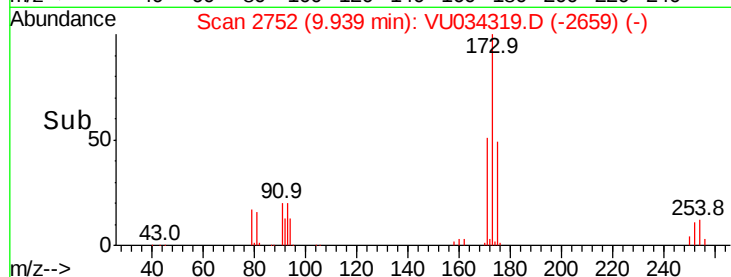
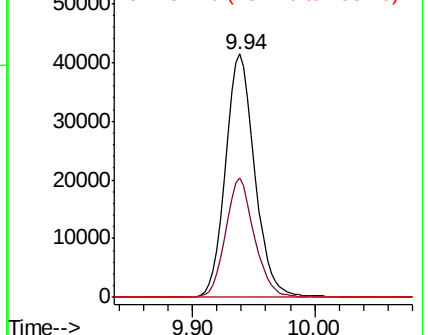
173 100

175 48.1 24.4 73.2

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: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

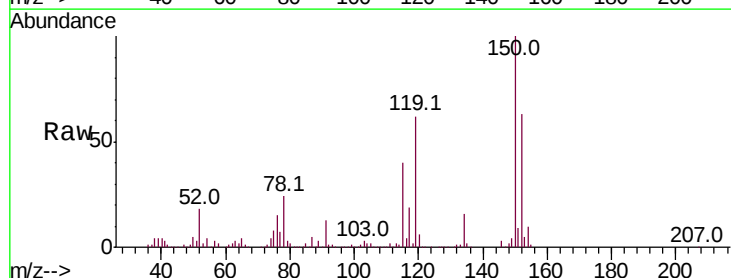
Tgt Ion:152 Resp: 277271

Ion Ratio Lower Upper

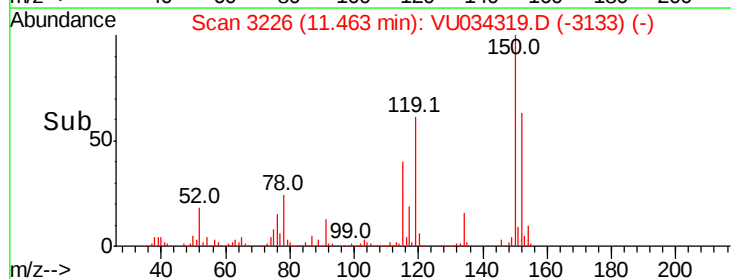
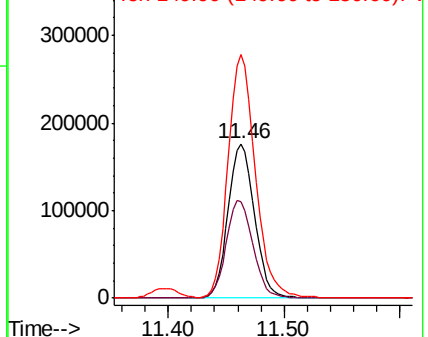
152 100

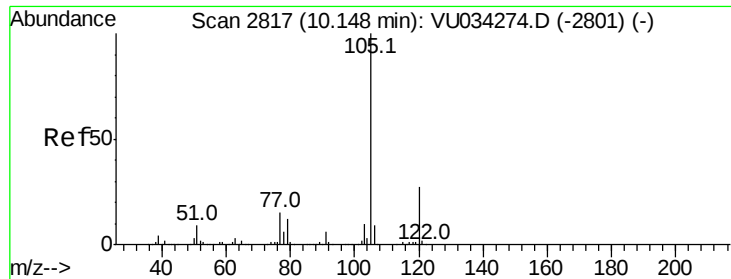
115 64.5 39.1 117.3

150 162.4 0.0 345.4



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





#73

Isopropylbenzene

Concen: 19.903 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

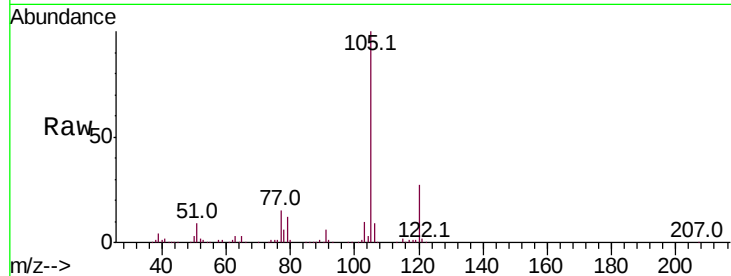
ClientSampled :

Tot Ion:105 Resp: 359130

Ion Ratio Lower Upper

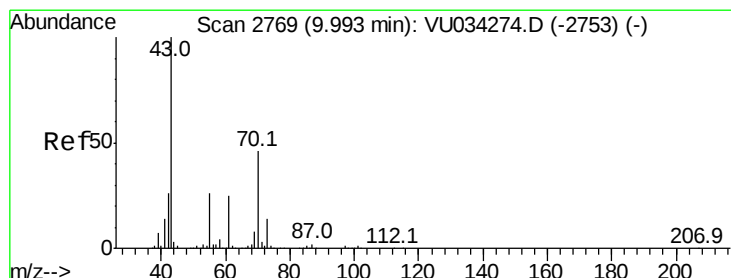
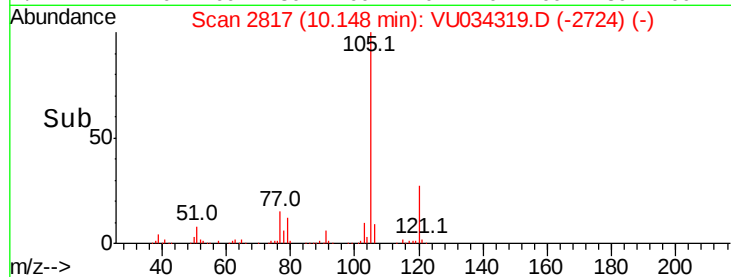
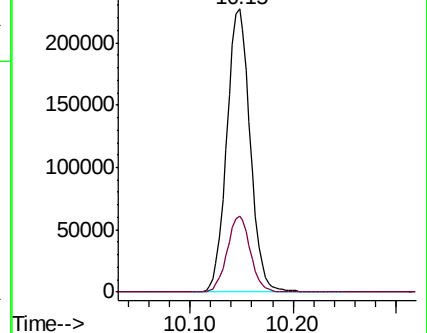
105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.360 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion: 43 Resp: 140614

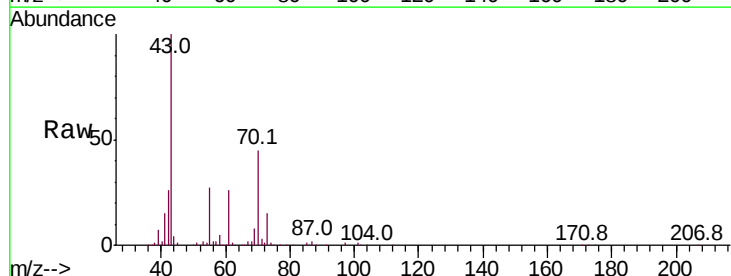
Ion Ratio Lower Upper

43 100

70 45.3 36.4 54.6

55 26.9 21.2 31.8

61 25.4 20.4 30.6

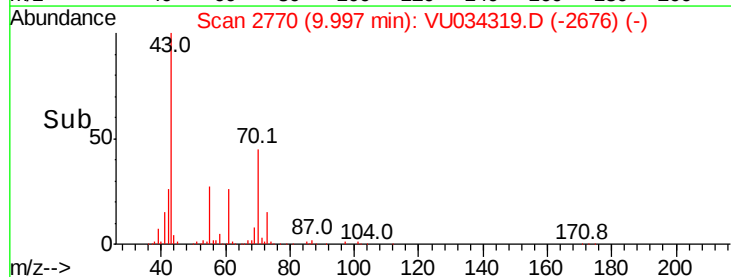
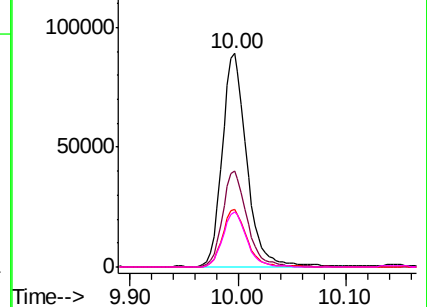


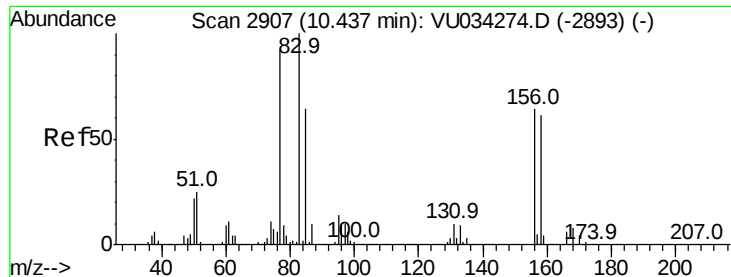
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 19.315 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

ClientSampleId :

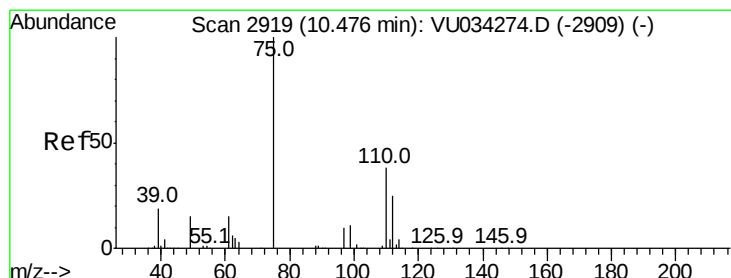
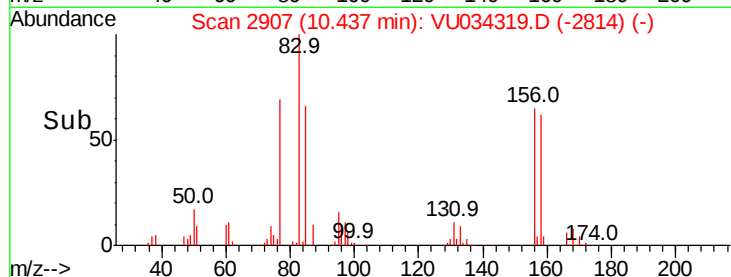
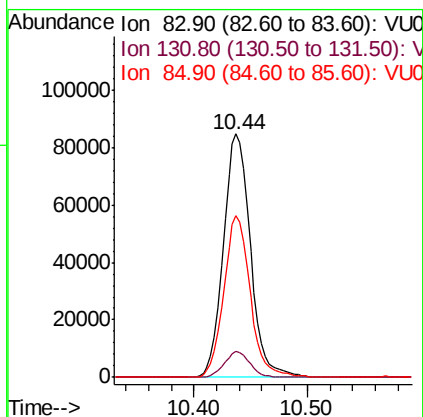
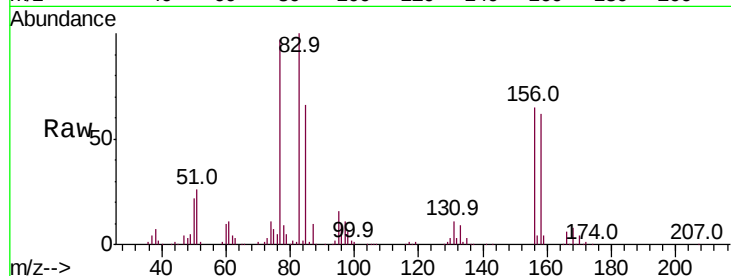
Tot Ion: 83 Resp: 141076

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 131 | 10.0  | 5.1   | 15.2  |
| 85  | 65.1  | 32.0  | 96.2  |

83 100

131 10.0 5.1 15.2

85 65.1 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 24.675 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034319.D

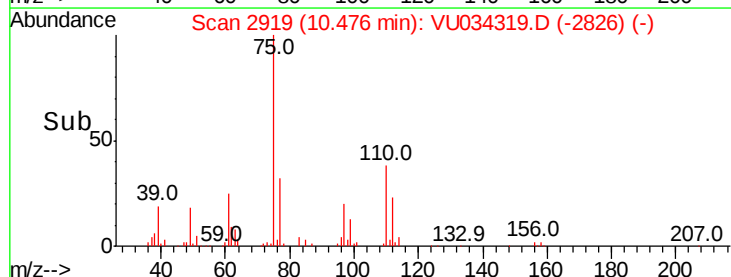
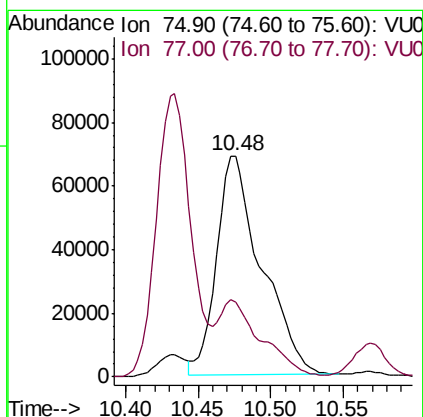
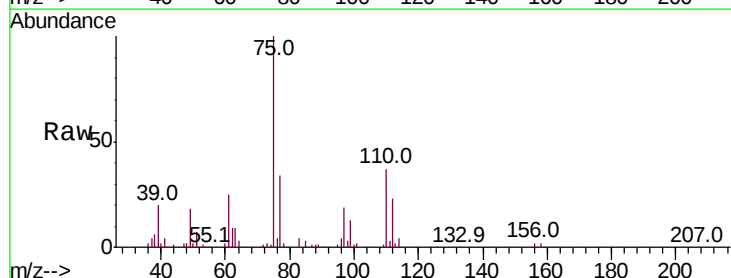
Acq: 06 Sep 2019 10:31

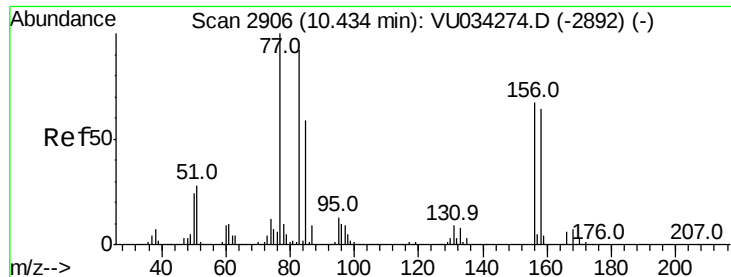
Tgt Ion: 75 Resp: 149341

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.9  | 20.8  | 62.2  |

75 100

77 32.9 20.8 62.2





#77

Bromobenzene

Concen: 19.502 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

ClientSampleId :

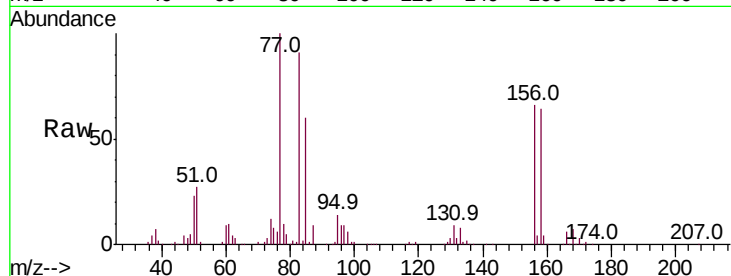
Tot Ion:156 Resp: 98397

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 156 | 100   |       |       |
| 77  | 151.0 | 75.6  | 226.9 |
| 158 | 97.2  | 48.2  | 144.6 |

156 100

77 151.0 75.6 226.9

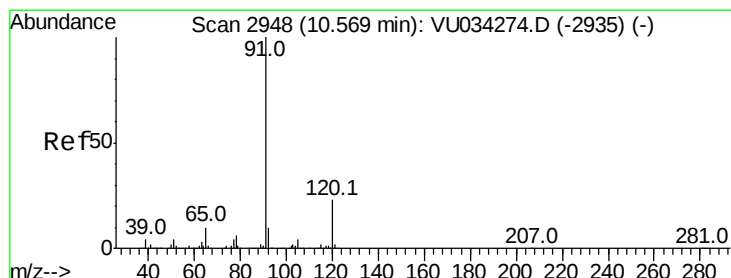
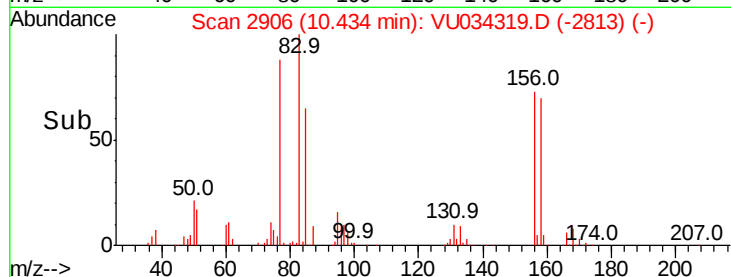
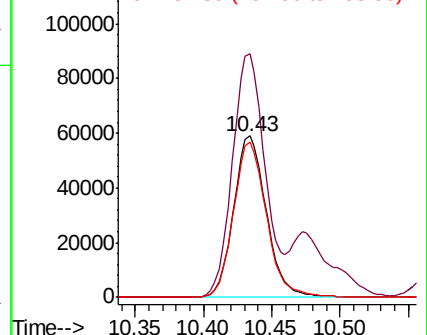
158 97.2 48.2 144.6



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: 20.023 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034319.D

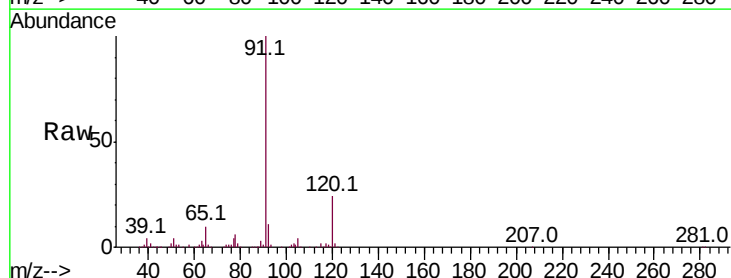
Acq: 06 Sep 2019 10:31

Tgt Ion: 91 Resp: 417264

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 120 | 23.6  | 11.7  | 35.0  |

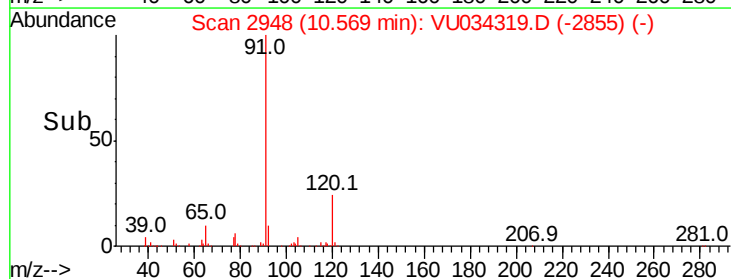
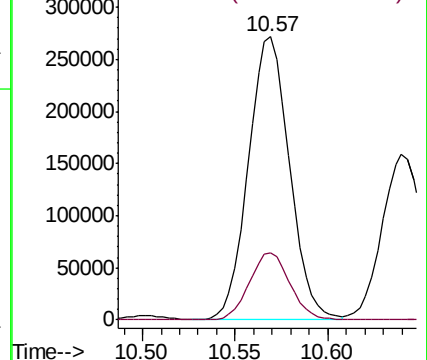
91 100

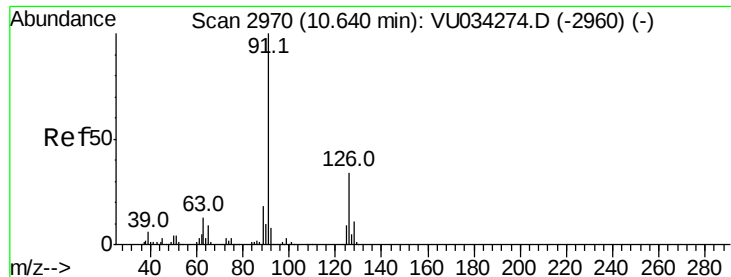
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.926 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

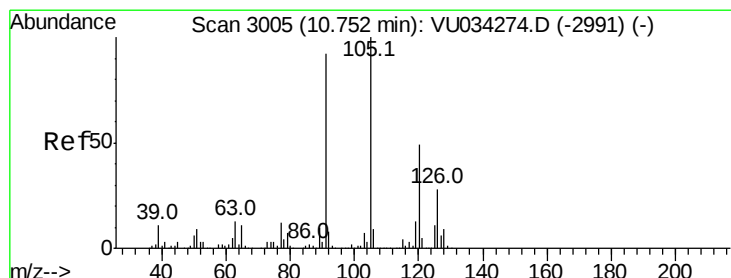
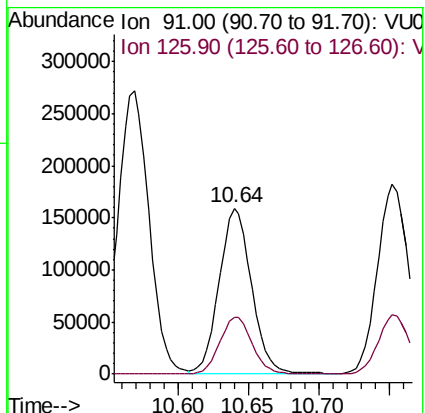
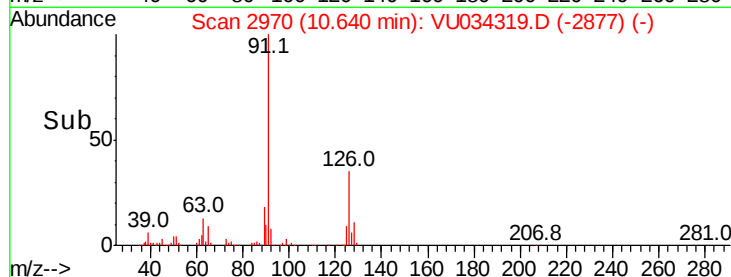
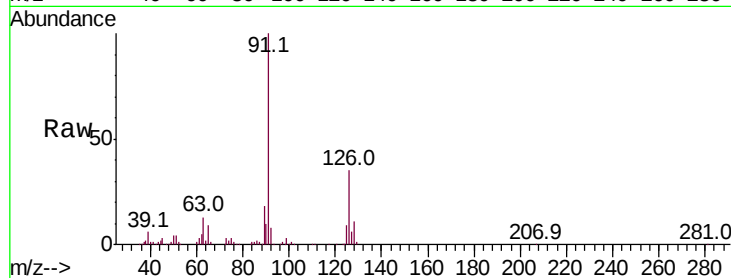
ClientSampleId :

Tot Ion: 91 Resp: 253369

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 20.549 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034319.D

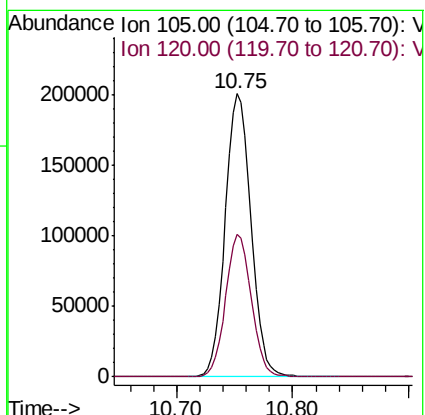
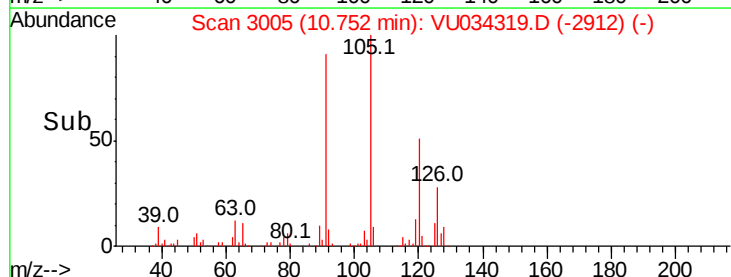
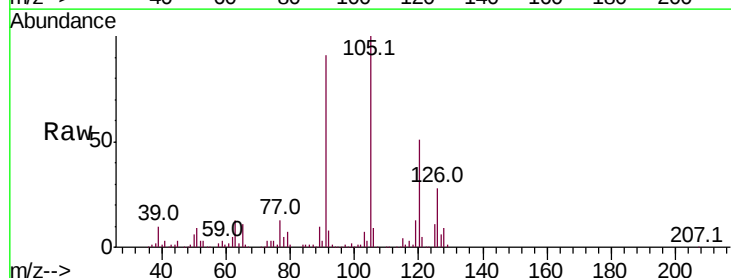
Acq: 06 Sep 2019 10:31

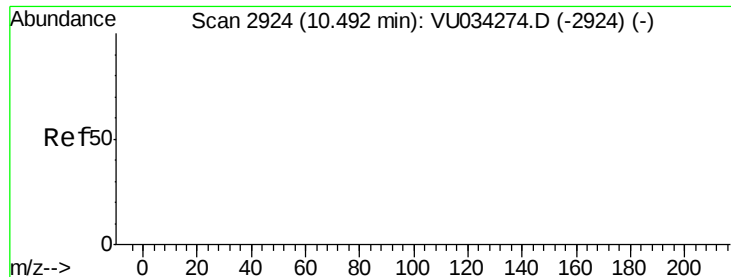
Tgt Ion: 105 Resp: 310107

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.7

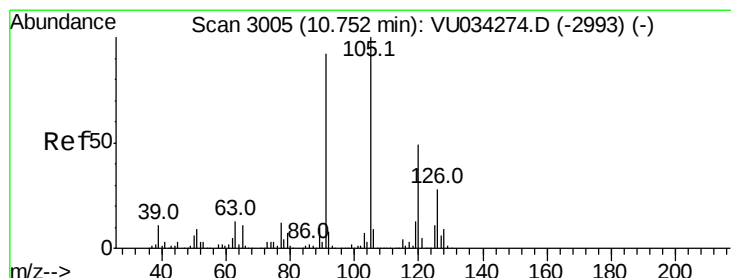
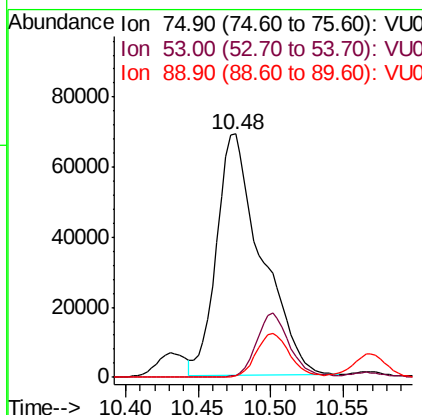
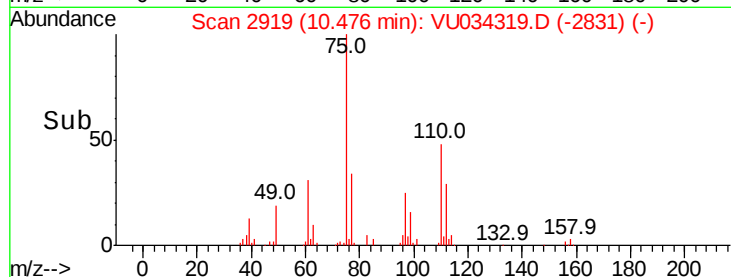
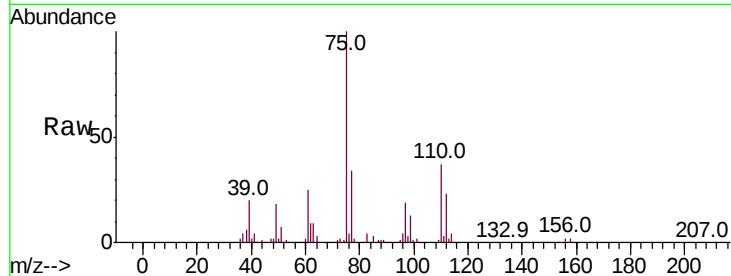




#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.980 ug/l  
RT: 10.48 min Scan# 2919  
Delta R.T. -0.02 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

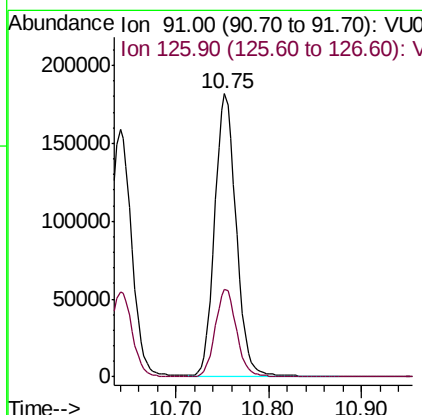
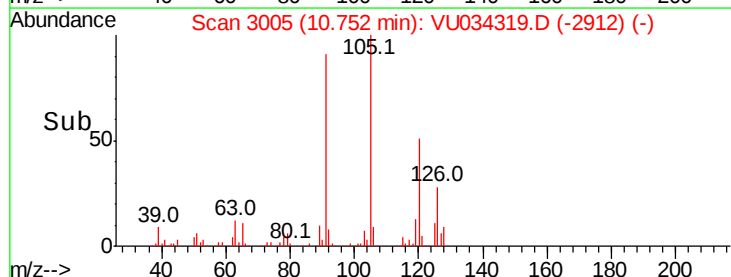
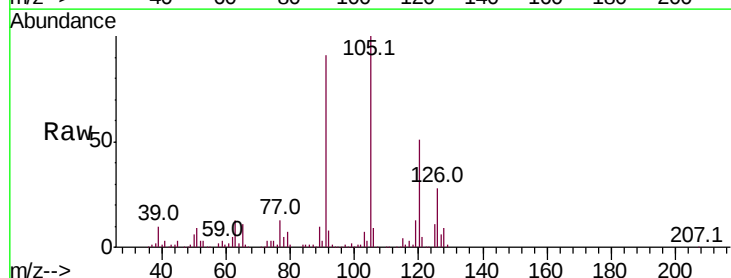
Instrument :  
MSVOA\_U  
ClientSampleId :

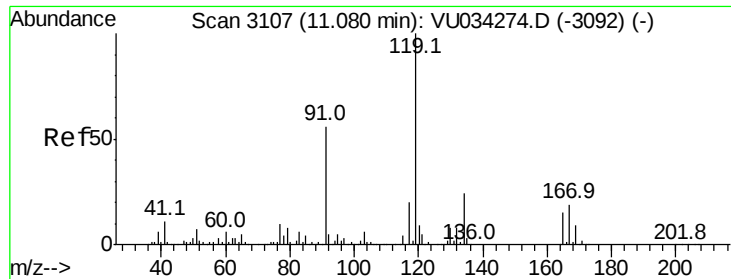
Tot Ion: 75 Resp: 149341  
Ion Ratio Lower Upper  
75 100  
53 0.0 0.0 0.0  
89 0.0 0.0 0.0



#82  
4-Chlorotoluene  
Concen: 19.989 ug/l  
RT: 10.75 min Scan# 3005  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion: 91 Resp: 292492  
Ion Ratio Lower Upper  
91 100  
126 30.8 15.3 45.8

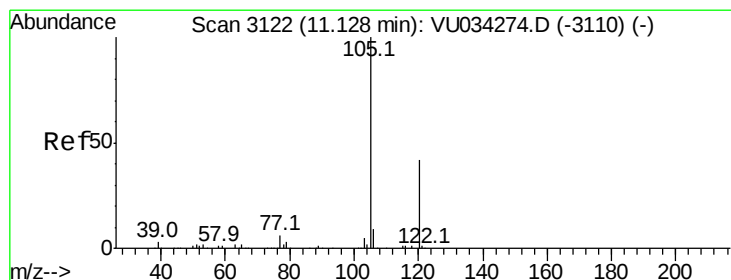
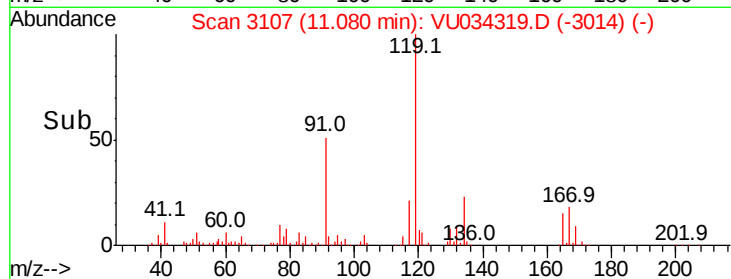
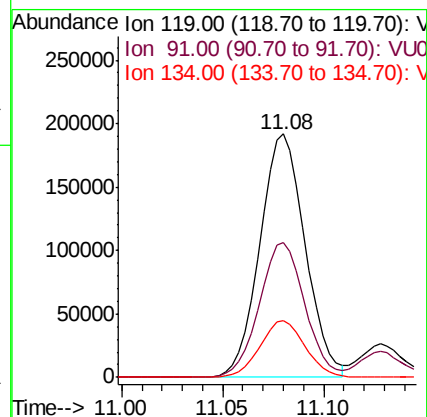
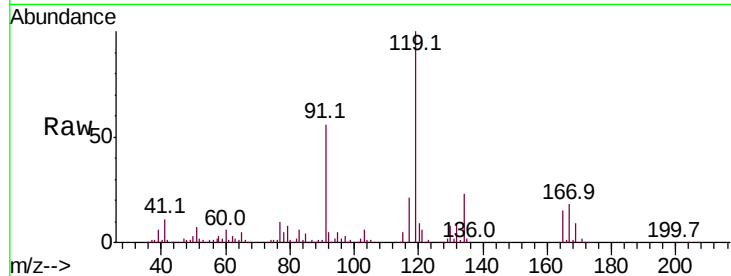




#83  
tert-Butylbenzene  
Concen: 19.942 ug/l  
RT: 11.08 min Scan# 3107  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

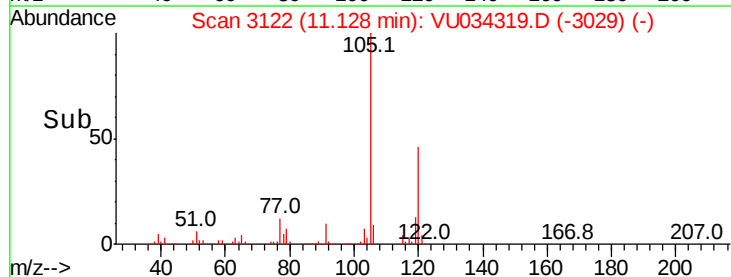
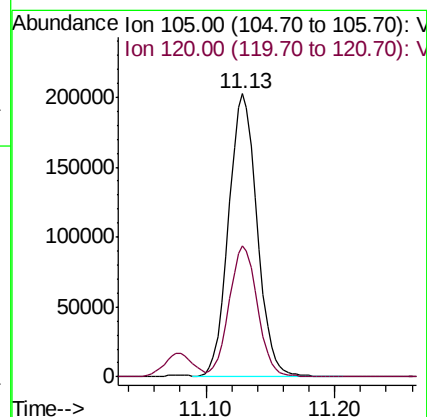
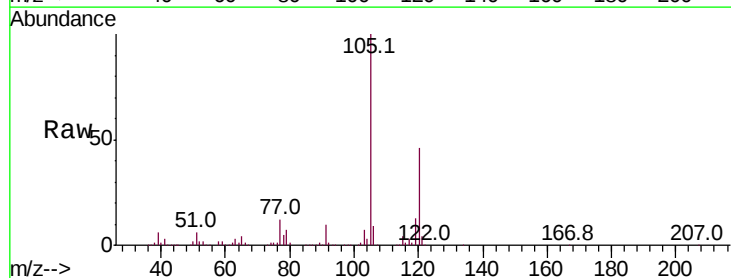
Instrument :  
MSVOA\_U  
ClientSampleId :

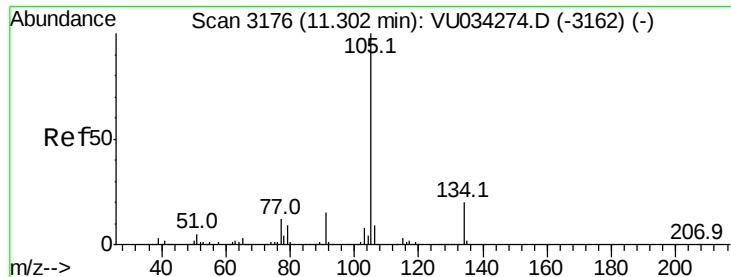
Tot Ion:119 Resp: 301059  
Ion Ratio Lower Upper  
119 100  
91 55.6 27.8 83.4  
134 23.3 11.7 35.0



#84  
1,2,4-Trimethylbenzene  
Concen: 20.321 ug/l  
RT: 11.13 min Scan# 3122  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Tgt Ion:105 Resp: 308692  
Ion Ratio Lower Upper  
105 100  
120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.223 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

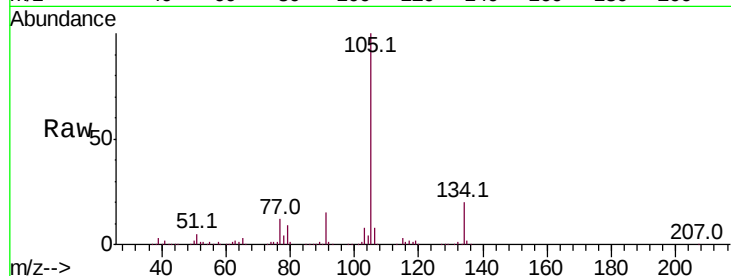
ClientSampled :

Tot Ion:105 Resp: 360439

Ion Ratio Lower Upper

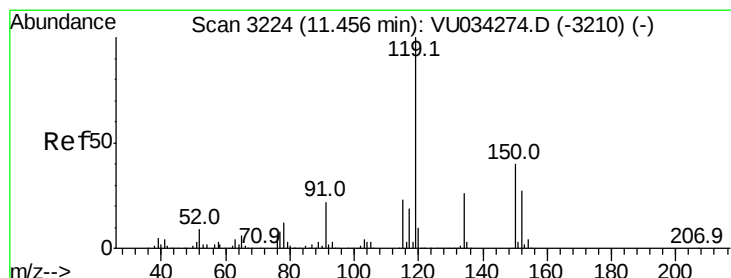
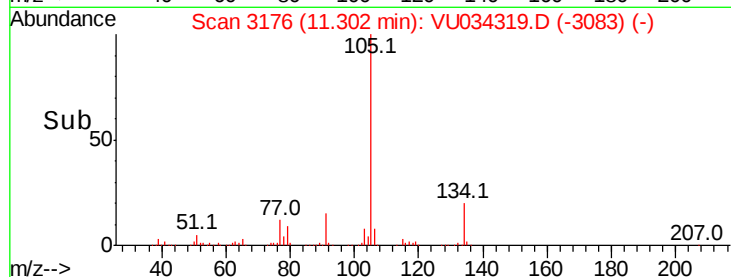
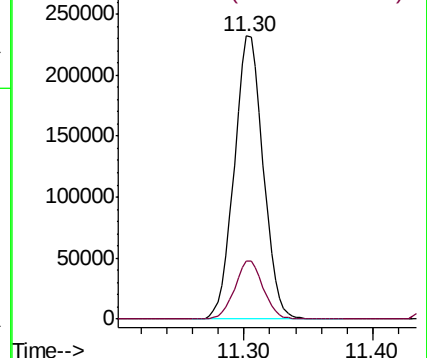
105 100

134 20.2 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.331 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

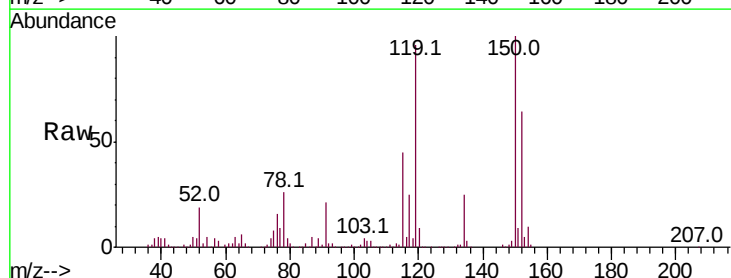
Tgt Ion:119 Resp: 334442

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.8

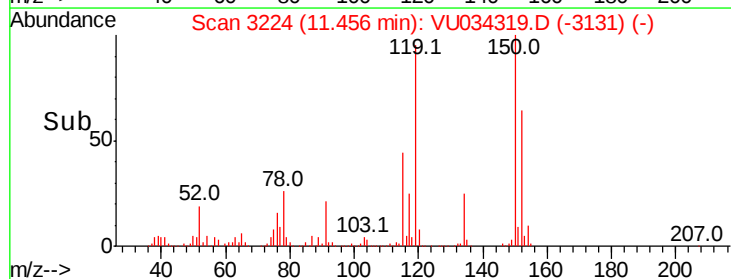
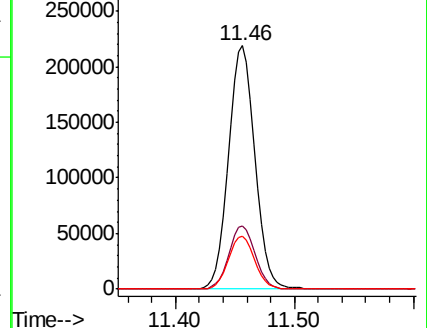
91 21.6 11.2 33.6

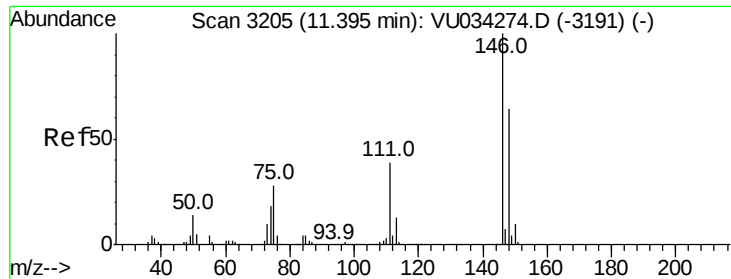


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

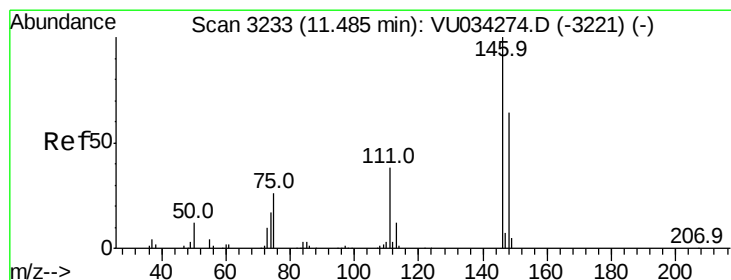
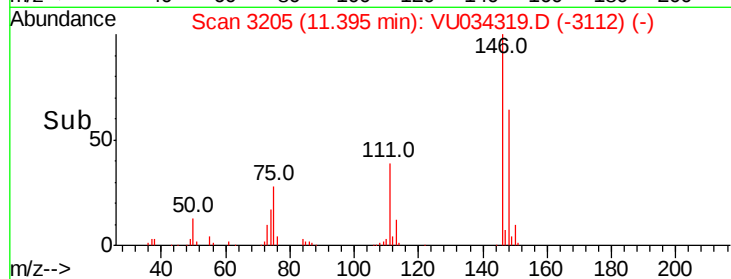
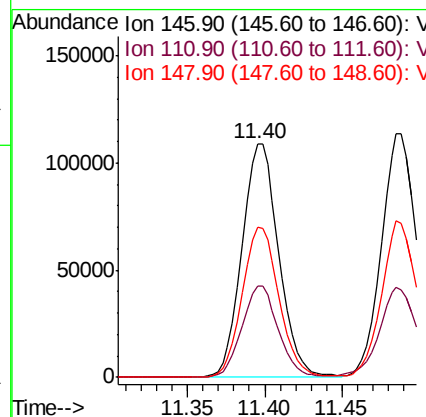
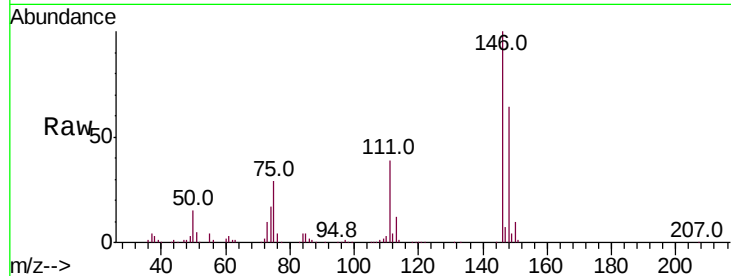




#87  
 1,3-Dichlorobenzene  
 Concen: 19.563 ug/l  
 RT: 11.40 min Scan# 3205  
 Delta R.T. 0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

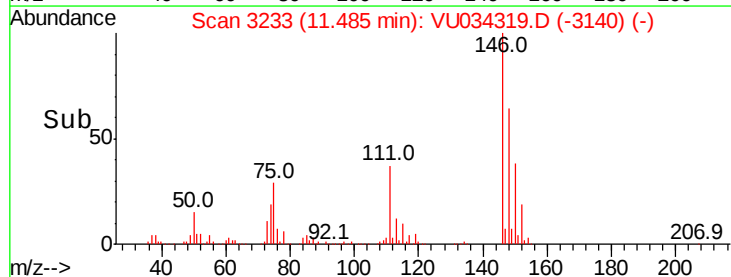
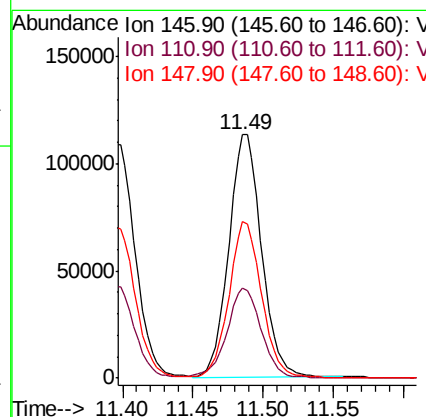
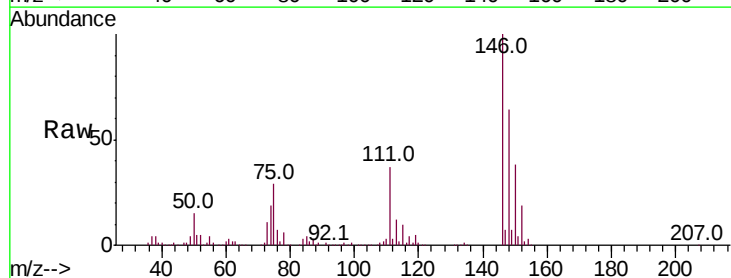
Instrument :  
 MSVOA\_U  
 ClientSampled :

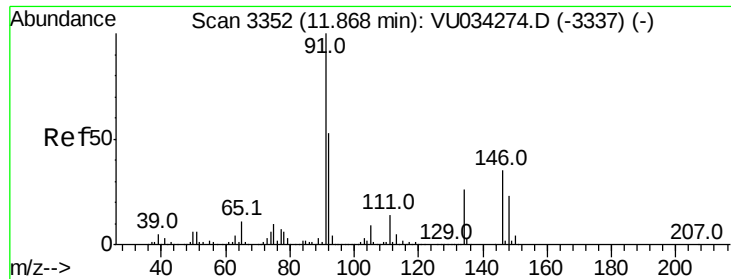
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.4  | 19.5  | 58.5  |
| 148     | 64.3  | 32.1  | 96.3  |



#88  
 1,4-Dichlorobenzene  
 Concen: 19.138 ug/l  
 RT: 11.49 min Scan# 3233  
 Delta R.T. 0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.6  | 19.1  | 57.3  |
| 148     | 63.8  | 32.0  | 96.0  |

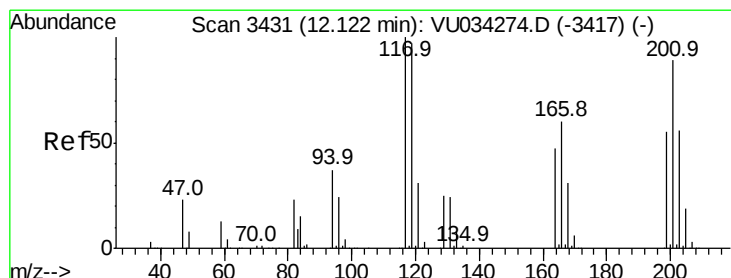
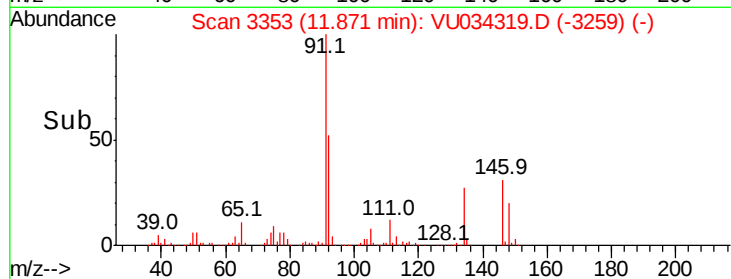
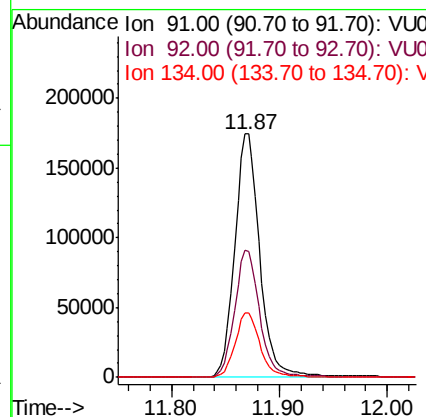
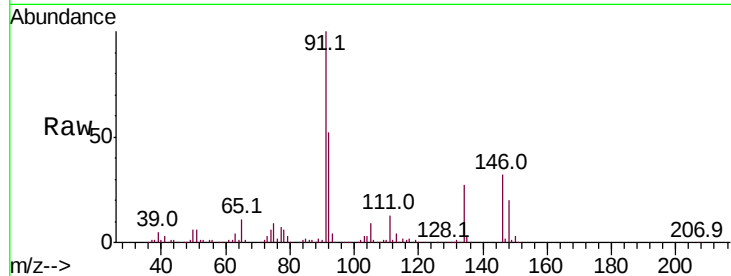




#89  
n-Butylbenzene  
Concen: 19.794 ug/l  
RT: 11.87 min Scan# 3353  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

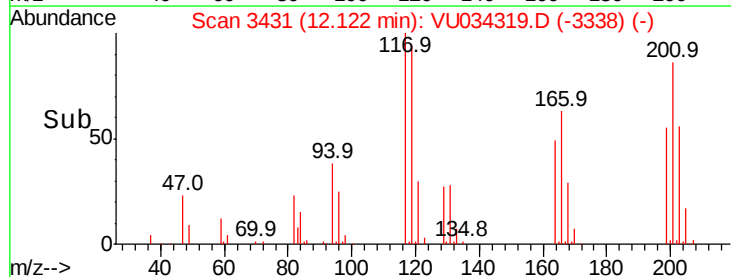
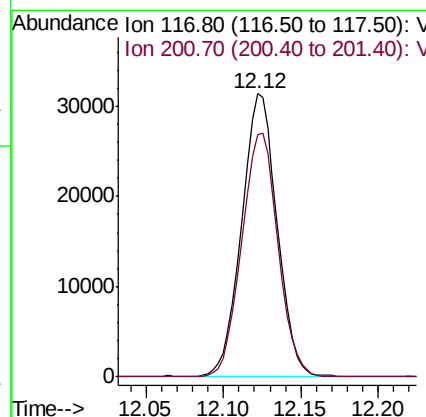
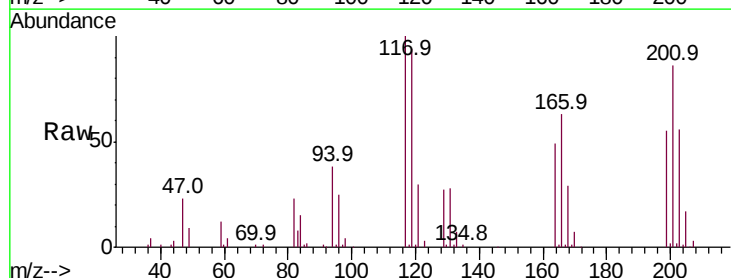
Instrument :  
MSVOA\_U  
ClientSampleId :

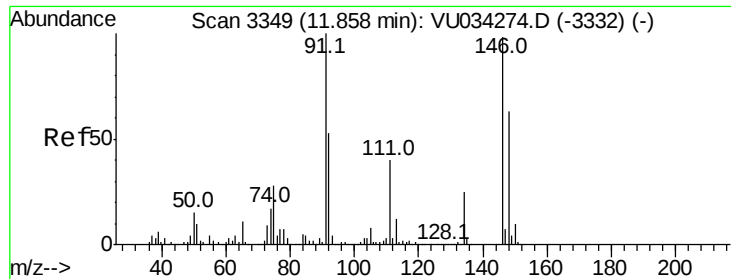
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.3  | 26.5  | 79.4  |
| 134     | 26.5  | 13.2  | 39.6  |



#90  
Hexachloroethane  
Concen: 18.998 ug/l  
RT: 12.12 min Scan# 3431  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 88.1  | 44.1  | 132.4 |





#91

1,2-Dichlorobenzene

Concen: 19.445 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA\_U

ClientSampleId :

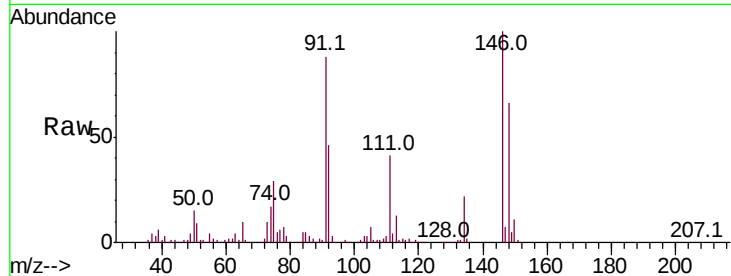
Tot Ion:146 Resp: 175941

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

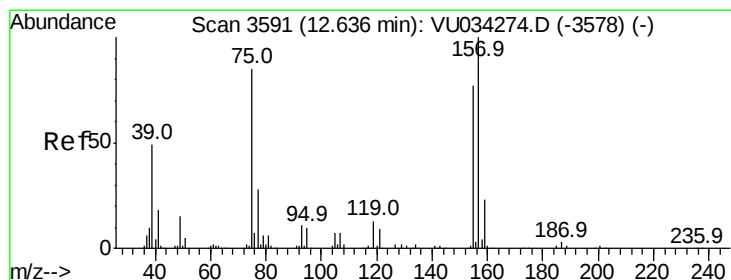
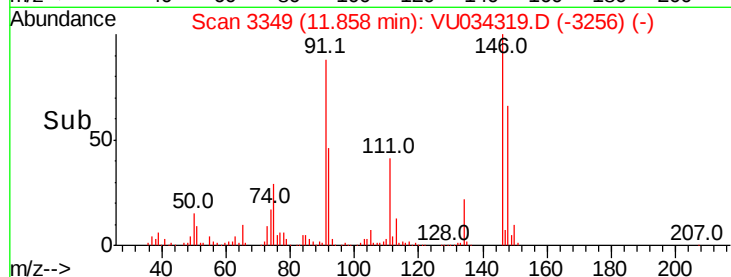
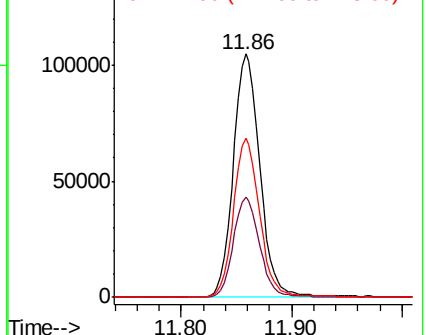
148 63.9 31.6 94.8



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: 19.213 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

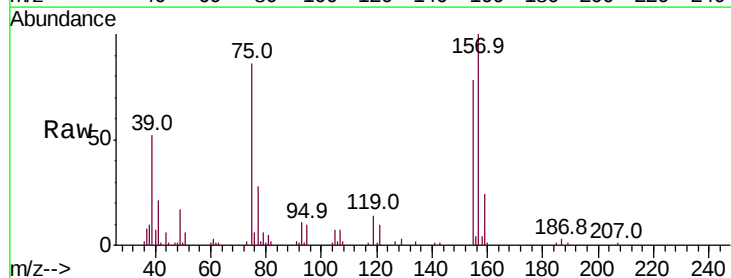
Tgt Ion: 75 Resp: 25787

Ion Ratio Lower Upper

75 100

155 93.7 44.6 134.0

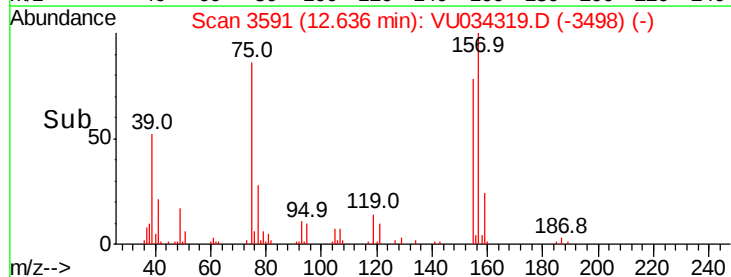
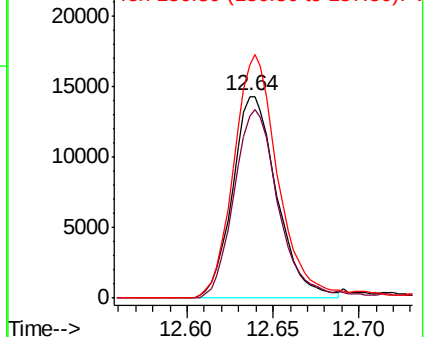
157 120.2 58.2 174.6

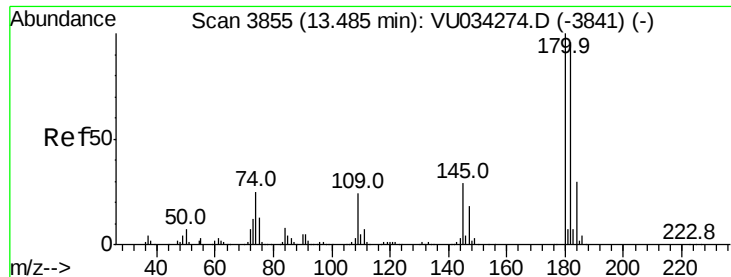


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

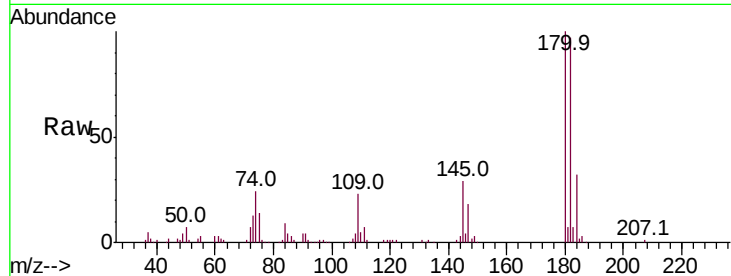




#93  
 1,2,4-Trichlorobenzene  
 Concen: 18.895 ug/l  
 RT: 13.49 min Scan# 3855  
 Delta R.T. 0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

Instrument :  
 MSVOA\_U  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 47.9  | 143.8 |
| 145     | 28.5  | 14.4  | 43.0  |

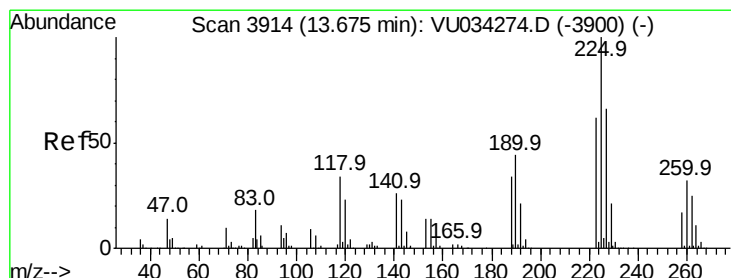
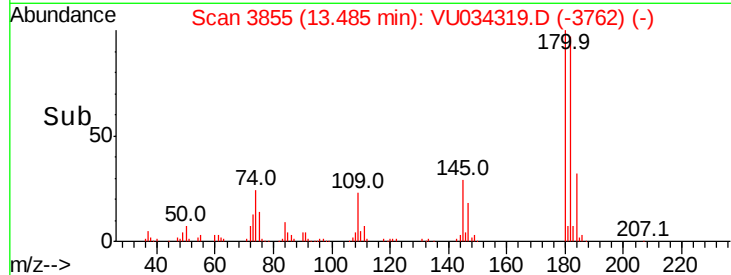
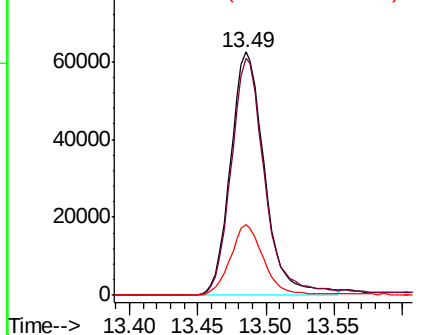


Abundance

Ion 179.80 (179.50 to 180.50): V

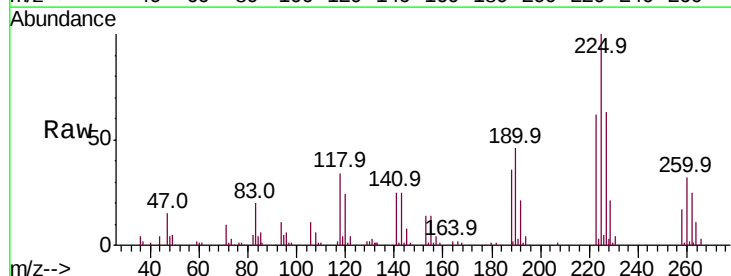
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 19.387 ug/l  
 RT: 13.67 min Scan# 3913  
 Delta R.T. -0.00 min  
 Lab File: VU034319.D  
 Acq: 06 Sep 2019 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.8  | 31.6  | 94.7  |
| 227     | 63.5  | 32.3  | 96.8  |

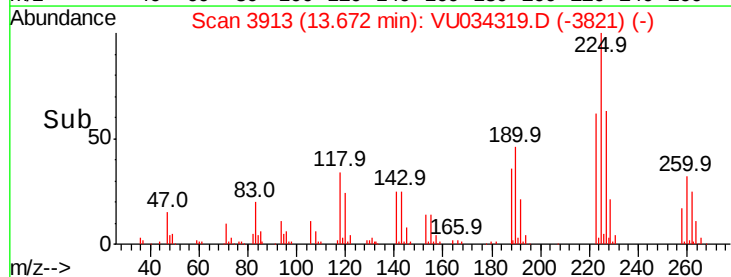
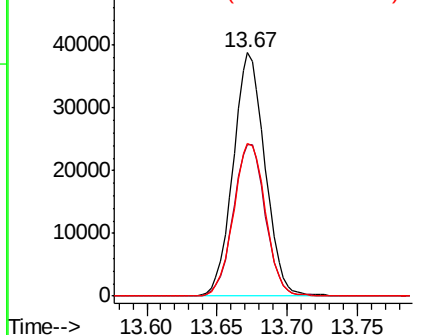


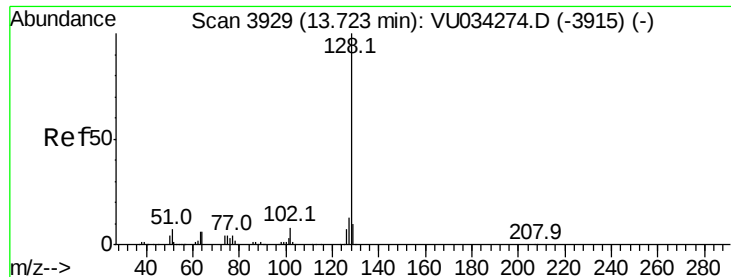
Abundance

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

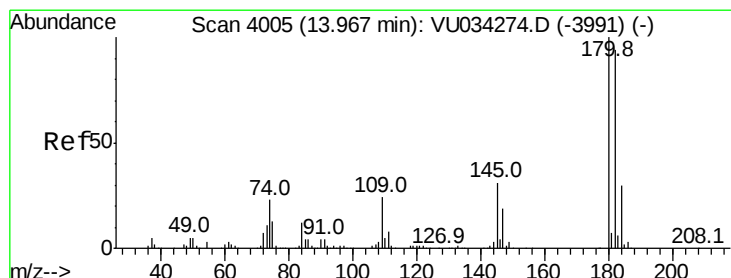
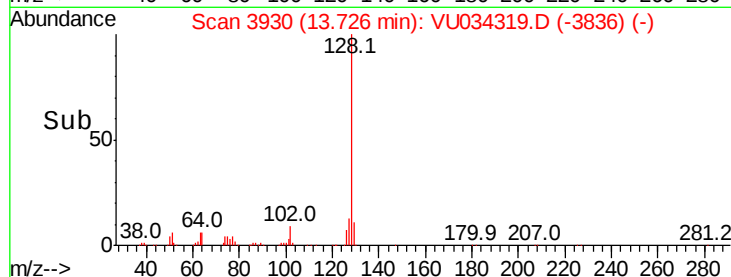
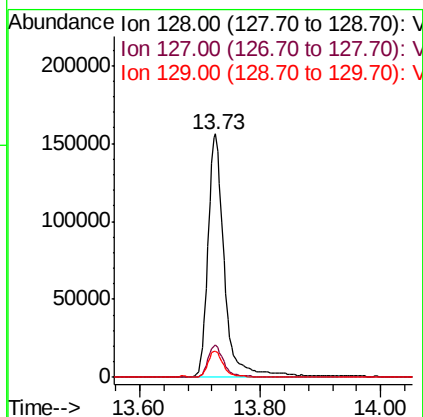
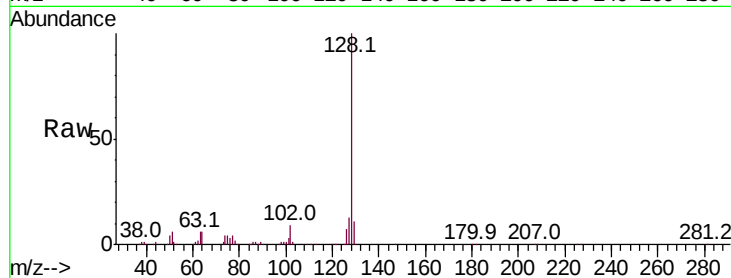




#95  
Naphthalene  
Concen: 18.685 ug/l  
RT: 13.73 min Scan# 3930  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

Instrument :  
MSVOA\_U  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.6  | 15.8  |
| 129     | 10.0  | 8.4   | 12.6  |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.359 ug/l  
RT: 13.97 min Scan# 4006  
Delta R.T. 0.00 min  
Lab File: VU034319.D  
Acq: 06 Sep 2019 10:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.4  | 48.4  | 145.0 |
| 145     | 29.9  | 15.4  | 46.4  |

