

Data File : VU033383.D  
Acq On : 23 Jul 2019 15:58  
Operator : JC/SP  
Sample : K3860-08DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WSDL

Quant Time: Jul 24 02:29:24 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U072219DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Tue Jul 23 03:43:51 2019  
Response via : Initial Calibration

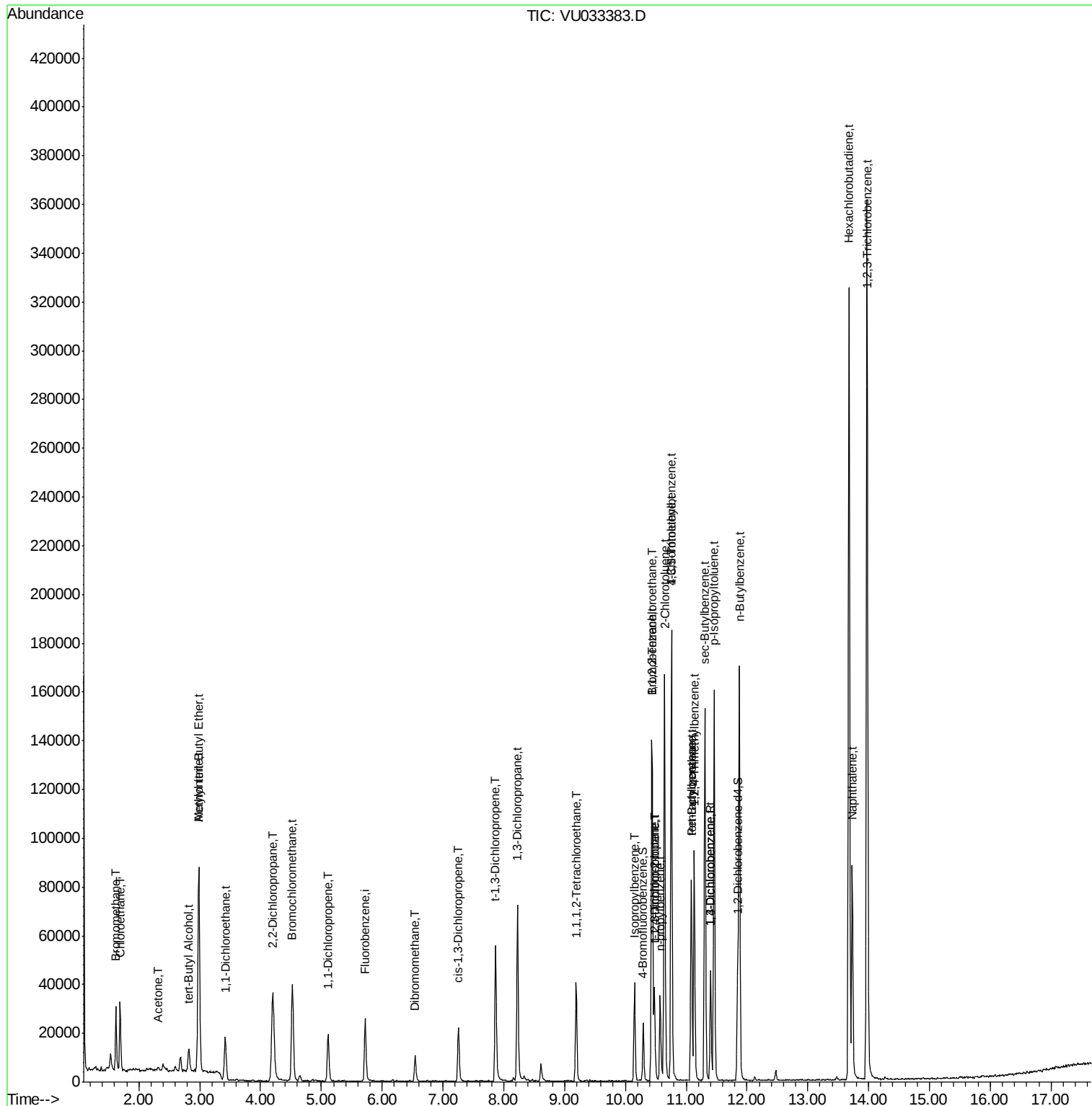
| Internal Standards            | R.T.  | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|-------|----------|--------|---------|----------|
| -----                         | ----- | ----- | -----    | -----  | -----   | -----    |
| 1) Fluorobenzene              | 5.72  | 96    | 24818    | 1.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |       |          |        |         |          |
| 57) 4-Bromofluorobenzene      | 10.29 | 95    | 8348     | 0.86   | ug/l    | 0.00     |
| Spiked Amount 1.000           |       |       | Recovery | =      | 86.00%  |          |
| 68) 1,2-Dichlorobenzene-d4    | 11.85 | 152   | 10637    | 1.06   | ug/l    | 0.00     |
| Spiked Amount 1.000           |       |       | Recovery | =      | 106.00% |          |
| Target Compounds              |       |       |          |        |         |          |
|                               |       |       |          |        | Qvalue  |          |
| 5) Bromomethane               | 1.62  | 94    | 11922    | 1.498  | ug/l    | 97       |
| 6) Chloroethane               | 1.69  | 64    | 17129    | 1.929  | ug/l    | 100      |
| 12) Acrylonitrile             | 2.98  | 53    | 1347     | 0.547  | ug/l #  | 30       |
| 13) Acetone                   | 2.31  | 43    | 1250     | 0.595  | ug/l #  | 67       |
| 17) 1,1-Dichloroethane        | 3.42  | 63    | 19705    | 1.402  | ug/l    | 98       |
| 21) 2,2-Dichloropropane       | 4.20  | 77    | 22120    | 1.857  | ug/l    | 91       |
| 24) tert-Butyl Alcohol        | 2.82  | 59    | 5587     | 0.554  | ug/l #  | 73       |
| 25) Methyl tert-Butyl Ether   | 2.98  | 73    | 86452    | 3.405  | ug/l    | 100      |
| 26) Bromochloromethane        | 4.52  | 128   | 13243    | 3.795  | ug/l    | 98       |
| 29) 1,1-Dichloropropene       | 5.11  | 75    | 11599    | 1.131  | ug/l    | 98       |
| 43) Dibromomethane            | 6.54  | 93    | 4476     | 0.989  | ug/l    | 96       |
| 46) t-1,4-Dichloro-2-butene   | 10.48 | 75    | 14809    | 7.948  | ug/l #  | 22       |
| 50) t-1,3-Dichloropropene     | 7.86  | 75    | 32271    | 3.545  | ug/l    | 99       |
| 51) cis-1,3-Dichloropropene   | 7.25  | 75    | 13825    | 1.286  | ug/l    | 95       |
| 53) 1,3-Dichloropropane       | 8.22  | 76    | 42209    | 4.129  | ug/l    | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.19  | 131   | 11133    | 1.506  | ug/l    | 96       |
| 61) Pentachloroethane         | 11.08 | 117   | 3406     | 0.561  | ug/l #  | 14       |
| 69) Isopropylbenzene          | 10.15 | 105   | 24820    | 0.808  | ug/l    | 97       |
| 70) 1,1,2,2-Tetrachloroethane | 10.44 | 83    | 19666    | 2.453  | ug/l    | 97       |
| 71) 1,2,3-Trichloropropane    | 10.48 | 75    | 14809    | 2.392  | ug/l #  | 94       |
| 72) Bromobenzene              | 10.44 | 156   | 28711    | 3.540  | ug/l    | 99       |
| 73) n-propylbenzene           | 10.57 | 120   | 5834     | 0.667  | ug/l    | 97       |
| 74) 2-Chlorotoluene           | 10.65 | 126   | 30917    | 3.870  | ug/l    | 98       |
| 75) 1,3,5-Trimethylbenzene    | 10.76 | 105   | 44389    | 1.610  | ug/l    | 97       |
| 76) 4-Chlorotoluene           | 10.76 | 126   | 20081    | 2.412  | ug/l    | 93       |
| 77) tert-Butylbenzene         | 11.08 | 119   | 34139    | 1.307  | ug/l    | 87       |
| 78) 1,2,4-Trimethylbenzene    | 11.13 | 105   | 49232    | 1.747  | ug/l    | 98       |
| 79) sec-Butylbenzene          | 11.31 | 105   | 97528    | 2.712  | ug/l    | 98       |
| 81) p-Isopropyltoluene        | 11.46 | 119   | 83808    | 2.867  | ug/l    | 99       |
| 82) 1,3-Dichlorobenzene       | 11.40 | 146   | 18349    | 1.064  | ug/l    | 98       |
| 83) 1,4-Dichlorobenzene       | 11.40 | 146   | 18349    | 1.076  | ug/l    | 97       |
| 84) n-Butylbenzene            | 11.87 | 91    | 88206    | 2.948  | ug/l    | 99       |
| 88) Hexachlorobutadiene       | 13.68 | 225   | 54467    | 9.182  | ug/l    | 98       |
| 89) Naphthalene               | 13.73 | 128   | 72472    | 3.759  | ug/l    | 99       |
| 90) 1,2,3-Trichlorobenzene    | 13.97 | 180   | 110592   | 11.848 | ug/l    | 99       |
| -----                         | ----- | ----- | -----    | -----  | -----   | -----    |

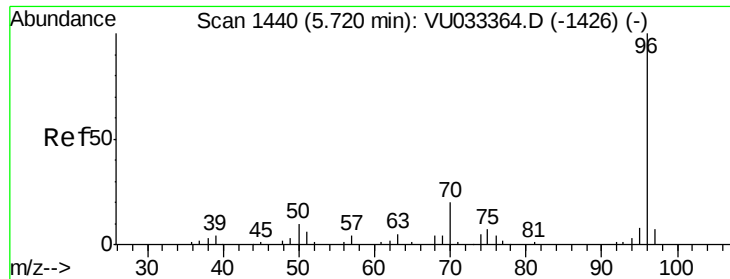
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1441

Delta R.T. 0.00 min

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Instrument :

MSVOA\_U

ClientSampleId :

PT-UNRVOA-WSDL

Tgt Ion: 96 Resp: 24818

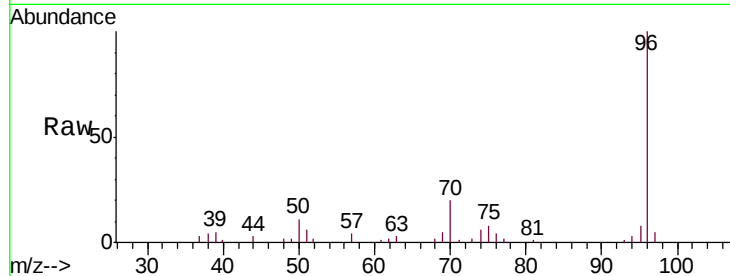
Ion Ratio Lower Upper

96 100

70 20.5 16.4 24.6

95 9.3 6.7 10.1

97 5.6 0.0 0.0#

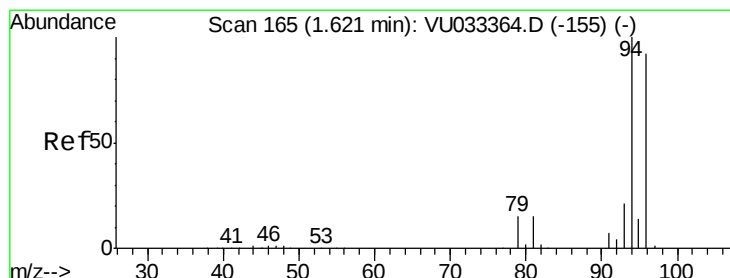
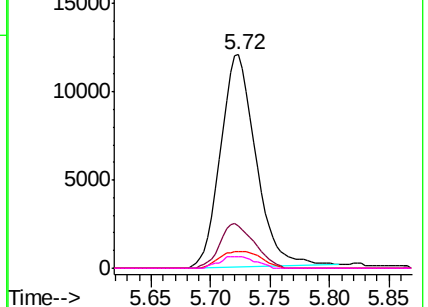
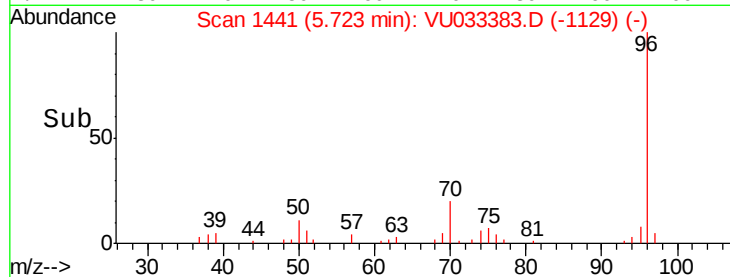


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#5

Bromomethane

Concen: 1.498 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033383.D

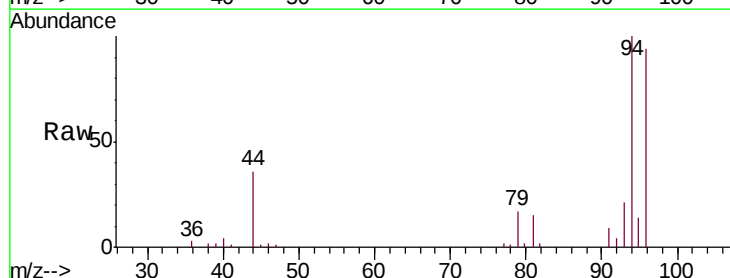
Acq: 23 Jul 2019 15:58

Tgt Ion: 94 Resp: 11922

Ion Ratio Lower Upper

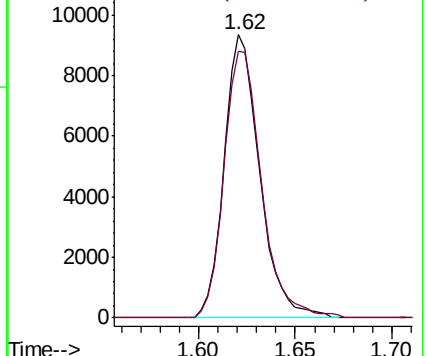
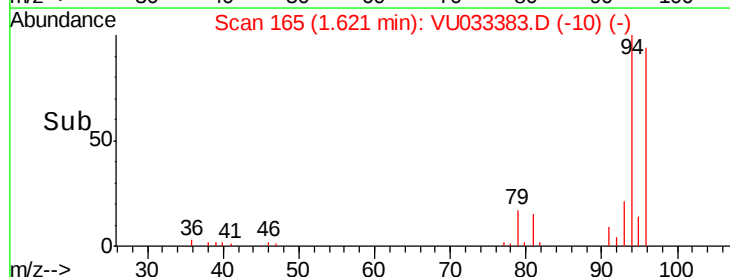
94 100

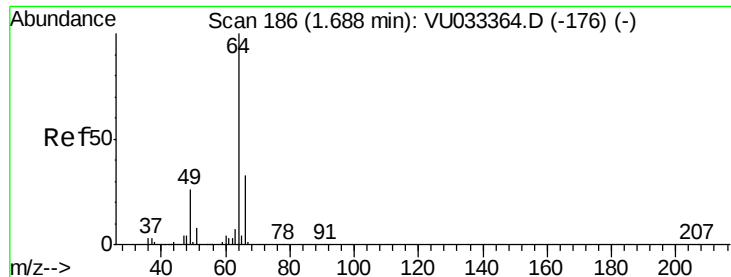
96 94.4 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#6

Chloroethane

Concen: 1.929 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

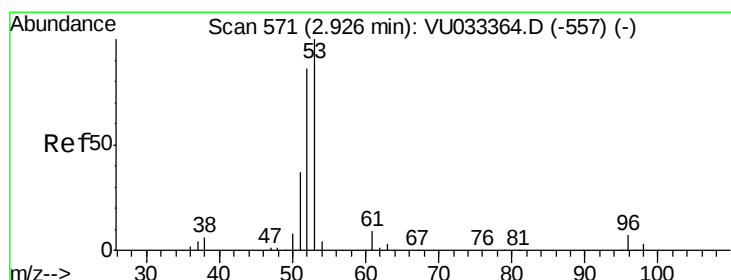
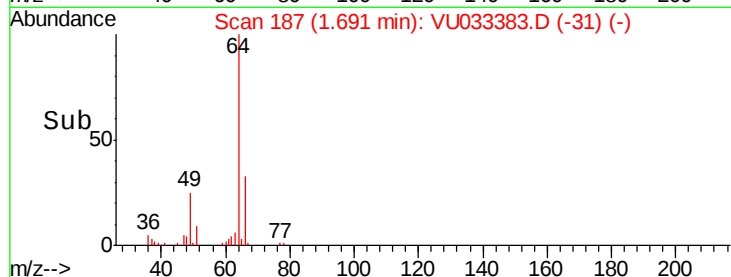
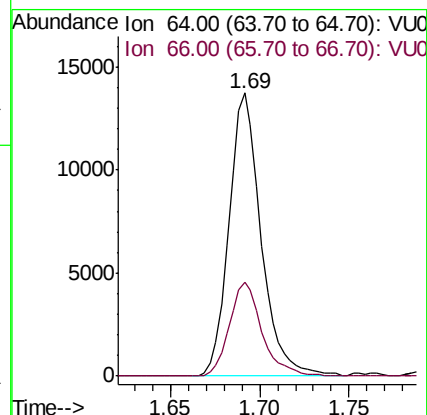
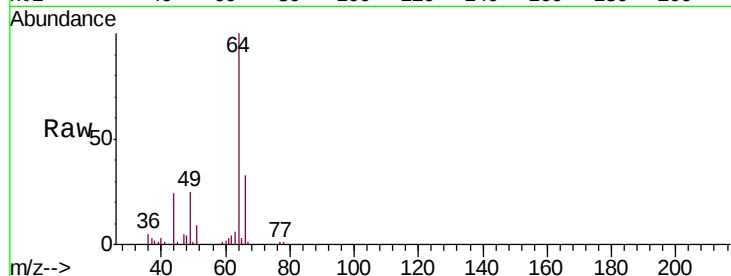
PT-UNRVOA-WSDL

Tgt Ion: 64 Resp: 17129

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



#12

Acrylonitrile

Concen: 0.547 ug/l

RT: 2.98 min Scan# 589

Delta R.T. 0.06 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

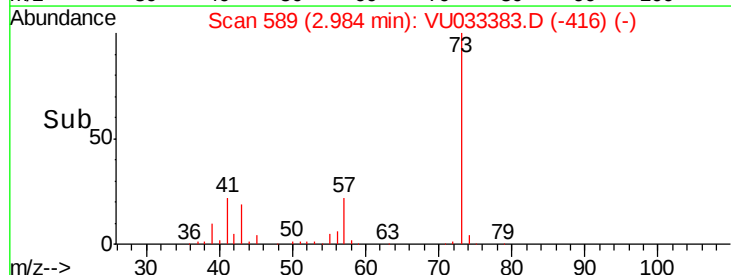
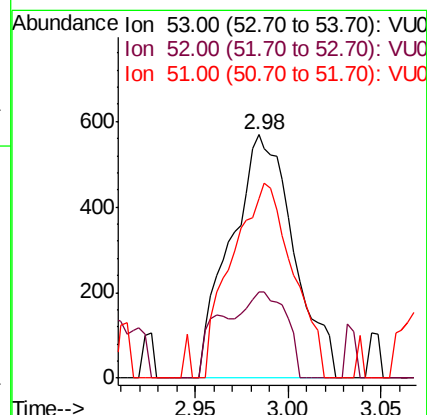
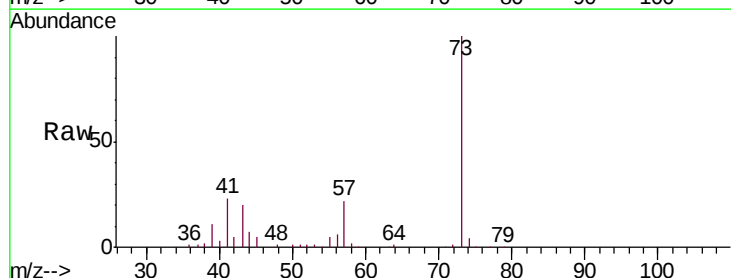
Tgt Ion: 53 Resp: 1347

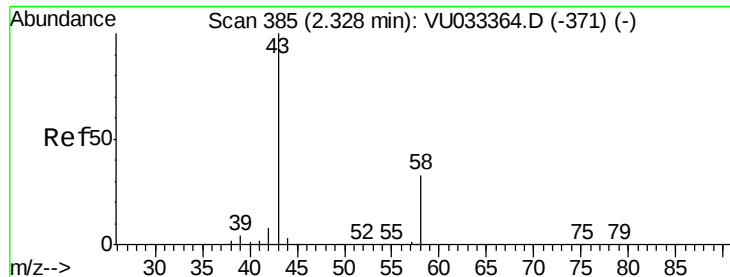
Ion Ratio Lower Upper

53 100

52 21.8 69.8 104.8#

51 77.4 29.1 43.7#





#13

Acetone

Concen: 0.595 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

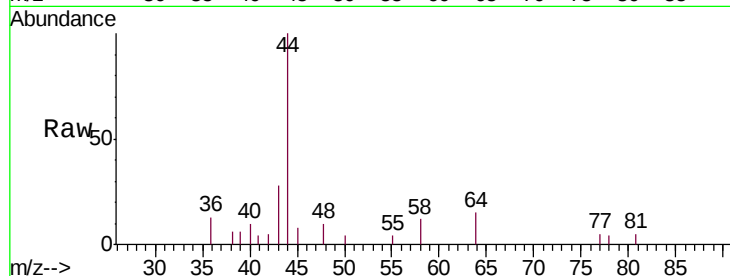
PT-UNRVOA-WSDL

Tgt Ion: 43 Resp: 1250

Ion Ratio Lower Upper

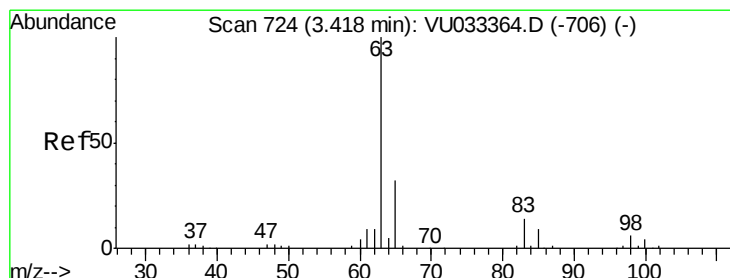
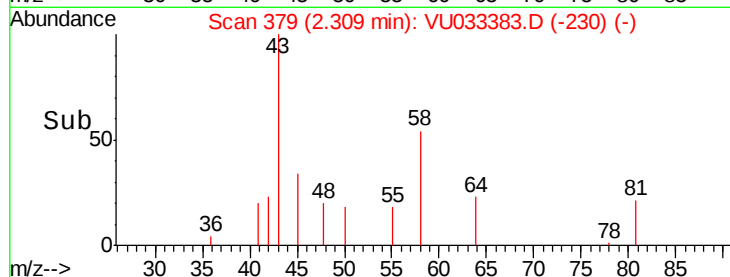
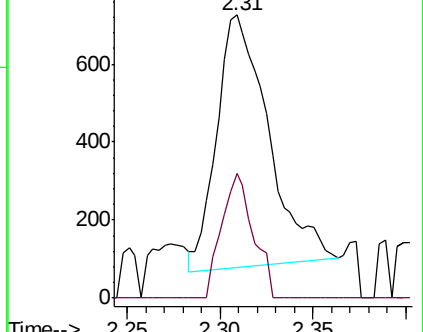
43 100

58 51.5 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VU033364.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033364.D (-371) (-)



#17

1,1-Dichloroethane

Concen: 1.402 ug/l

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

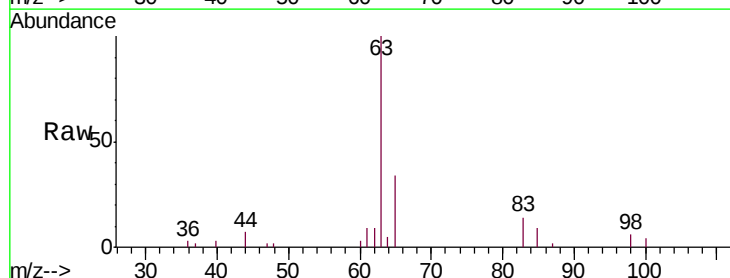
Tgt Ion: 63 Resp: 19705

Ion Ratio Lower Upper

63 100

98 5.5 3.2 9.6

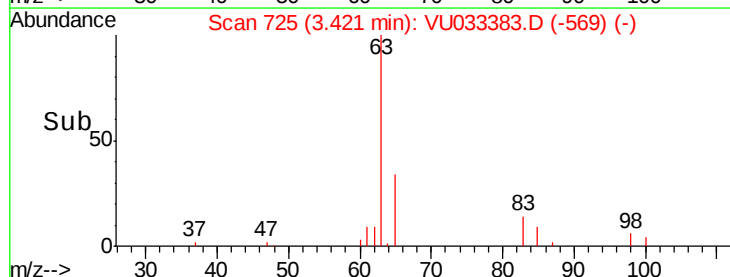
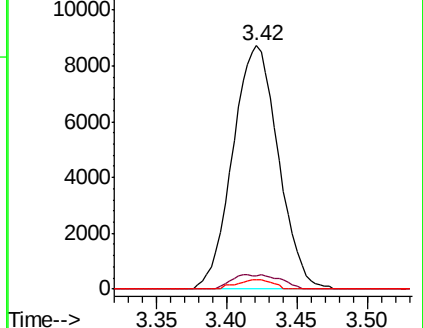
100 4.0 2.1 6.2

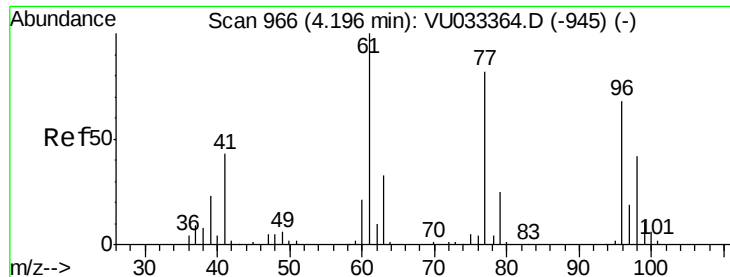


Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-706) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-706) (-)

Ion 100.00 (99.70 to 100.70): VU033364.D (-706) (-)

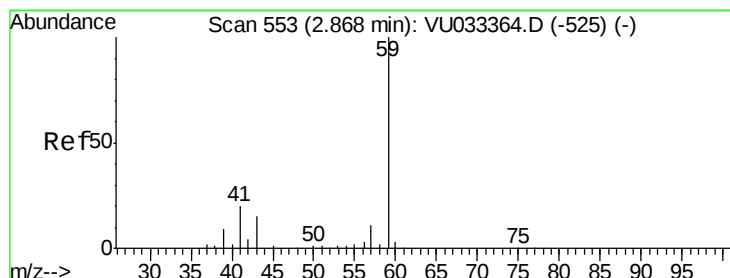
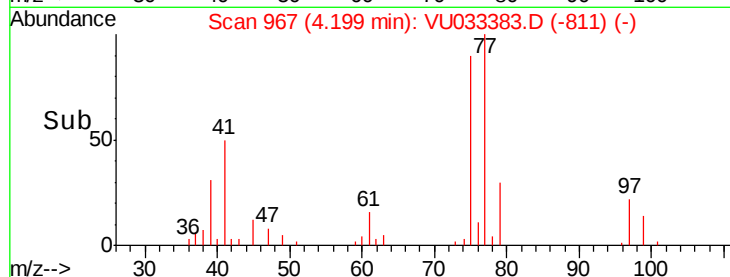
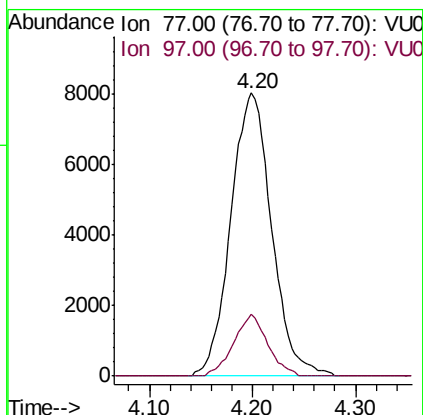
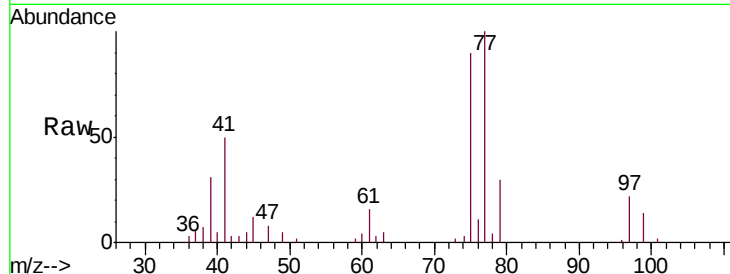




#21  
 2,2-Dichloropropane  
 Concen: 1.857 ug/l  
 RT: 4.20 min Scan# 967  
 Delta R.T. 0.00 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

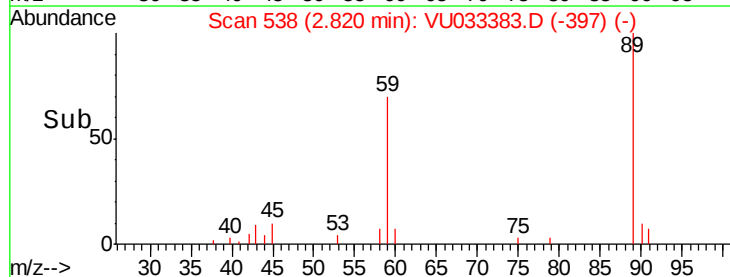
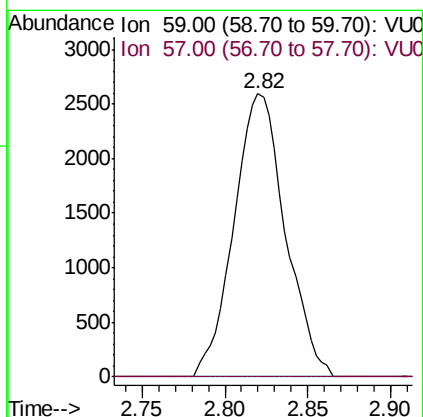
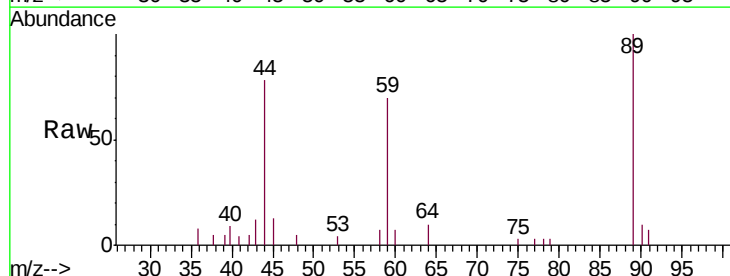
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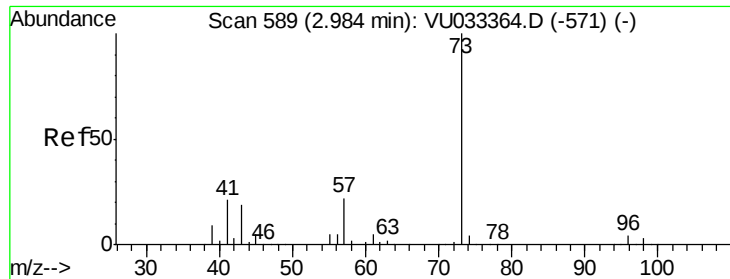
Tgt Ion: 77 Resp: 22120  
 Ion Ratio Lower Upper  
 77 100  
 97 18.2 17.8 26.8



#24  
 tert-Butyl Alcohol  
 Concen: 0.554 ug/l  
 RT: 2.82 min Scan# 538  
 Delta R.T. -0.05 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

Tgt Ion: 59 Resp: 5587  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.8 11.8#





#25

Methyl tert-Butyl Ether

Concen: 3.405 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

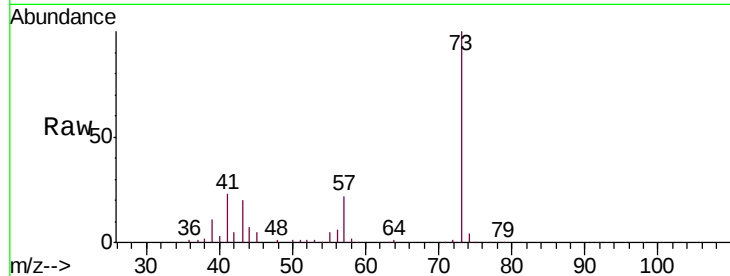
PT-UNRVOA-WSDL

Tgt Ion: 73 Resp: 86452

Ion Ratio Lower Upper

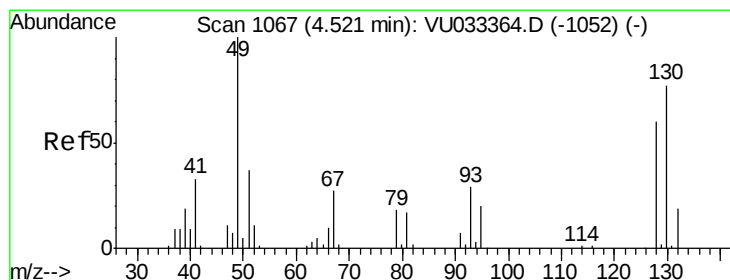
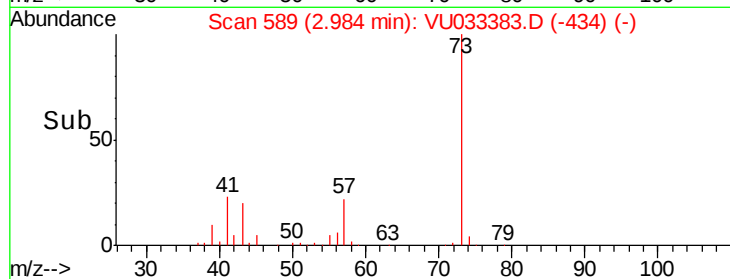
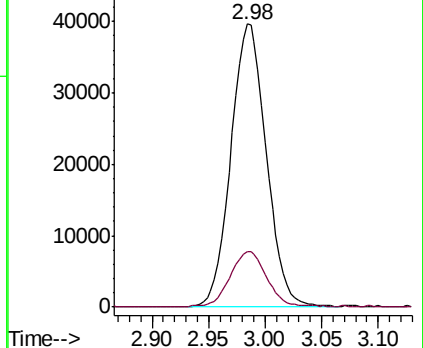
73 100

43 20.6 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)



#26

Bromochloromethane

Concen: 3.795 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

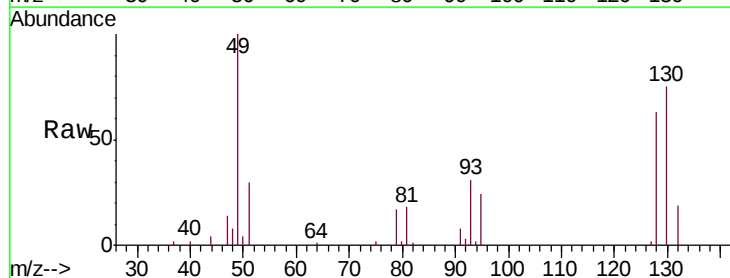
Tgt Ion: 128 Resp: 13243

Ion Ratio Lower Upper

128 100

49 164.1 0.0 333.4

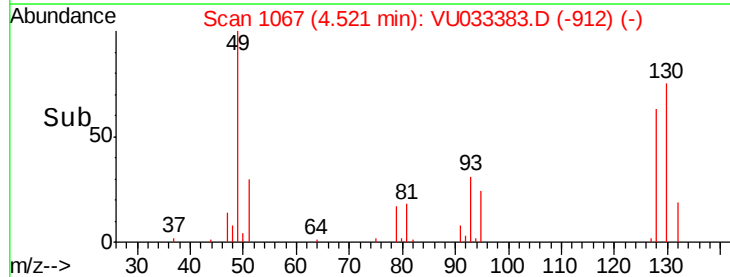
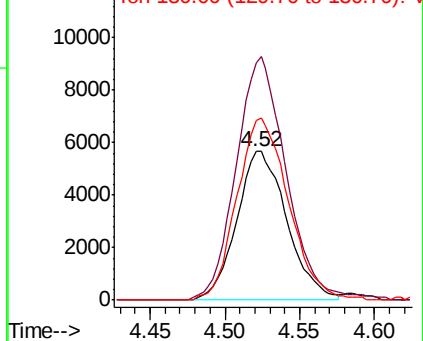
130 126.0 103.4 155.2

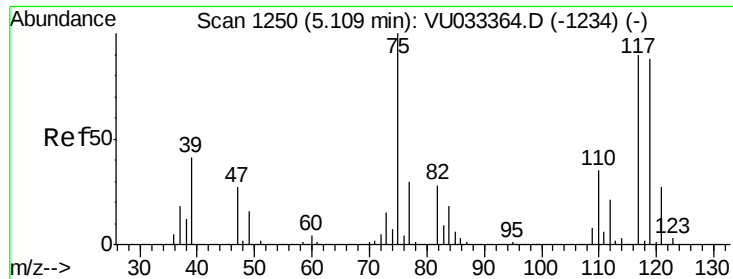


Abundance Ion 128.00 (127.70 to 128.70): VU033364.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033364.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033364.D (-1052) (-)

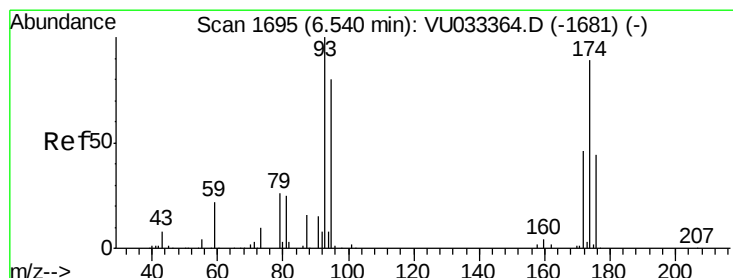
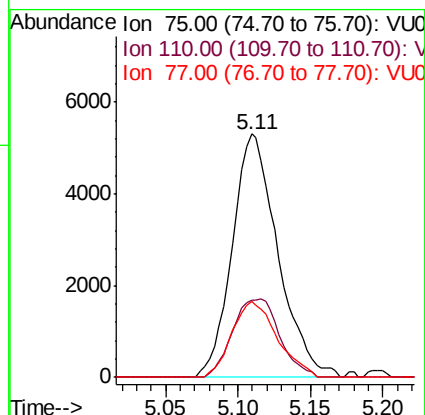
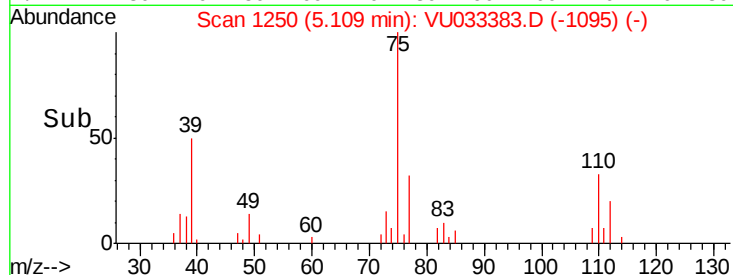
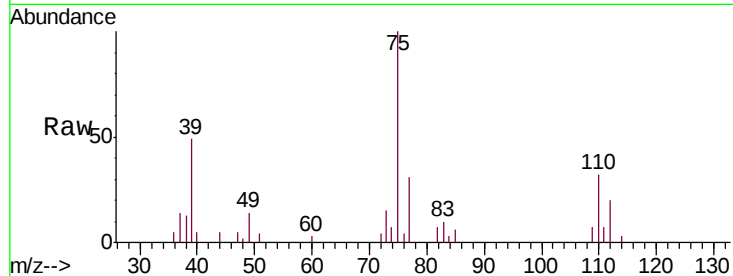




#29  
 1,1-Dichloropropene  
 Concen: 1.131 ug/l  
 RT: 5.11 min Scan# 1250  
 Delta R.T. -0.00 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

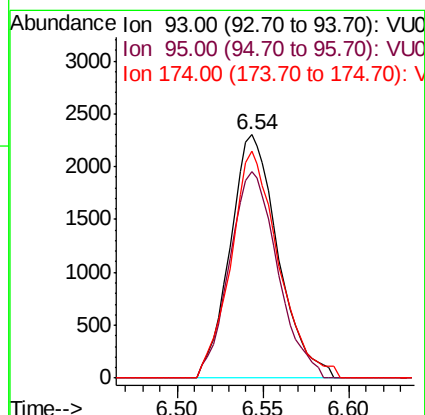
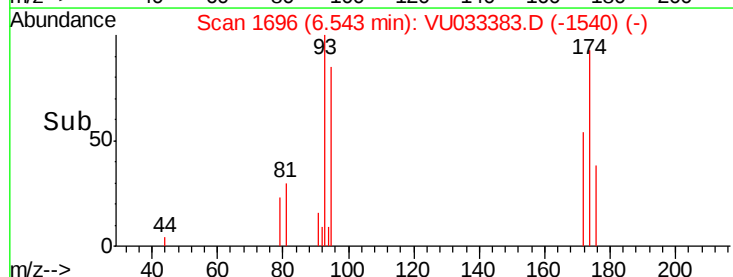
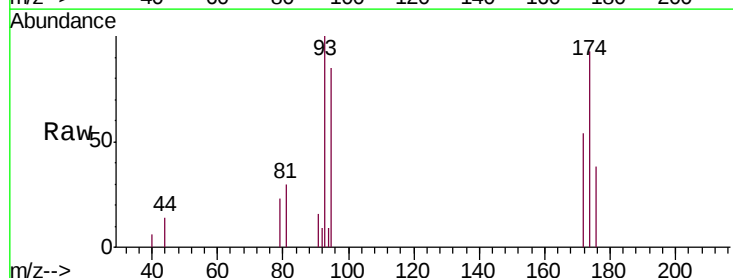
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 MSVOA\_U  
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 PT-UNRVOA-WSDL

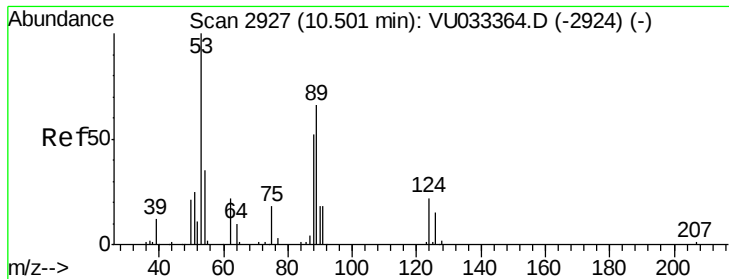
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11599 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 33.2  | 17.5  | 52.6  |
| 77       | 31.0  | 25.1  | 37.7  |



#43  
 Dibromomethane  
 Concen: 0.989 ug/l  
 RT: 6.54 min Scan# 1696  
 Delta R.T. 0.00 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 4476  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 84.8  | 65.3  | 97.9  |
| 174      | 92.7  | 70.7  | 106.1 |

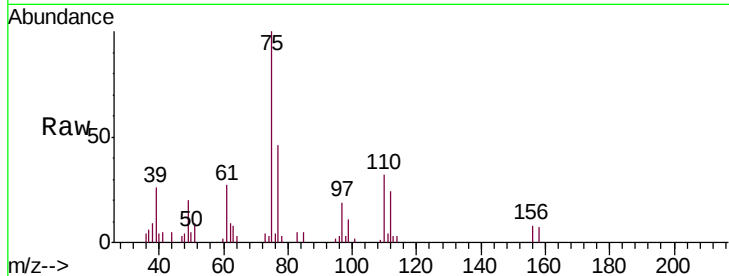




#46  
t-1,4-Dichloro-2-butene  
Concen: 7.948 ug/l  
RT: 10.48 min Scan# 2920  
Delta R.T. -0.02 min  
Lab File: VU033383.D  
Acq: 23 Jul 2019 15:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WSDL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 62.9  | 94.3# |
| 89      | 4.8   | 43.0  | 64.4# |
| 88      | 0.0   | 35.0  | 52.4# |



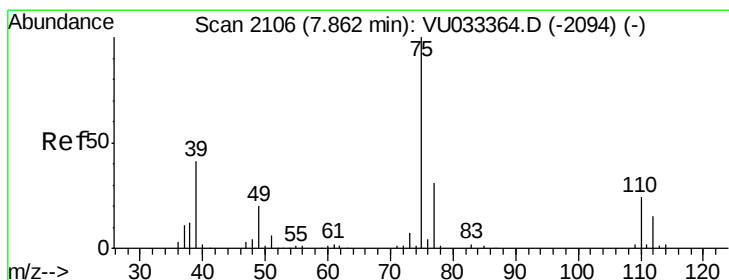
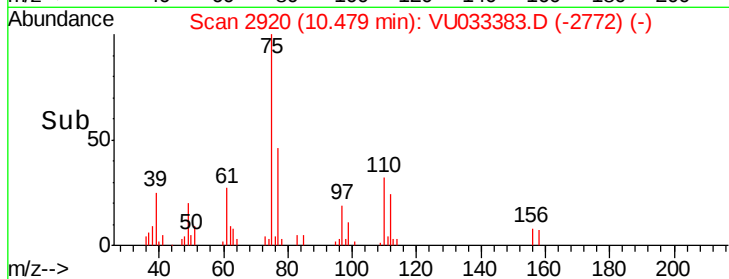
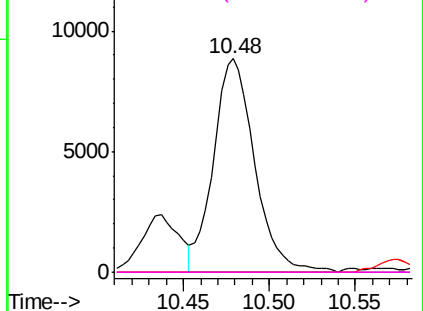
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

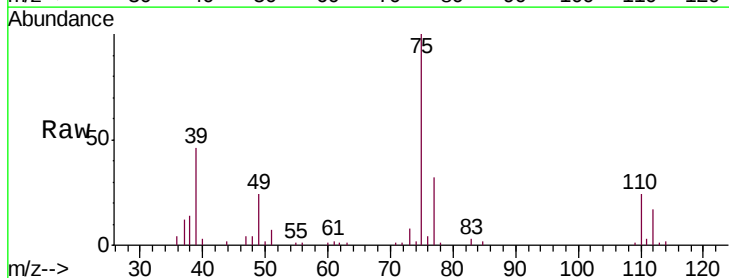
Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0



#50  
t-1,3-Dichloropropene  
Concen: 3.545 ug/l  
RT: 7.86 min Scan# 2107  
Delta R.T. 0.00 min  
Lab File: VU033383.D  
Acq: 23 Jul 2019 15:58

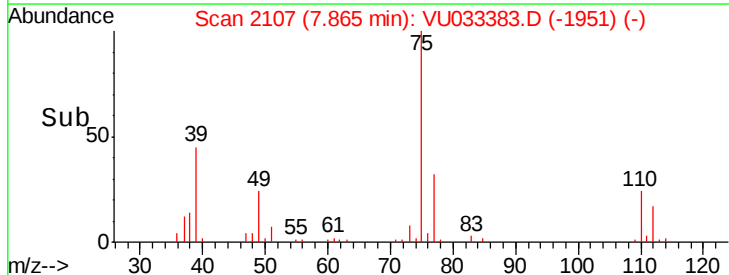
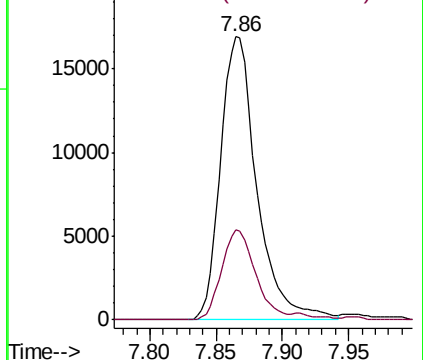
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 32.0  | 25.2  | 37.8  |

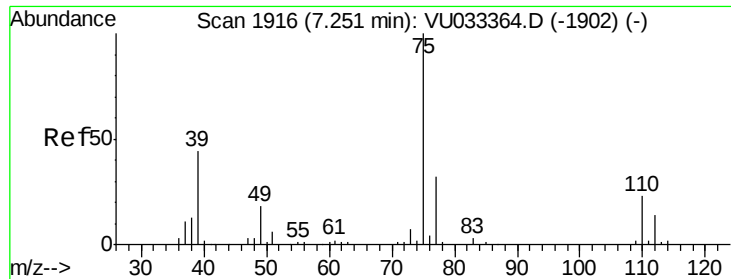


Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

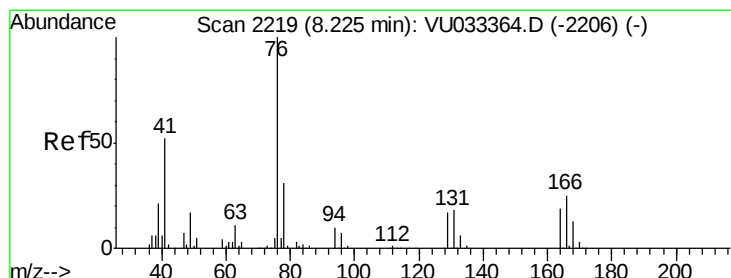
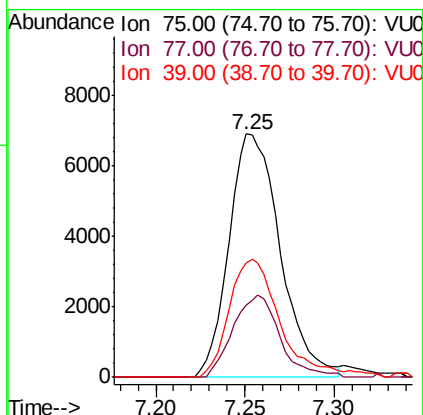
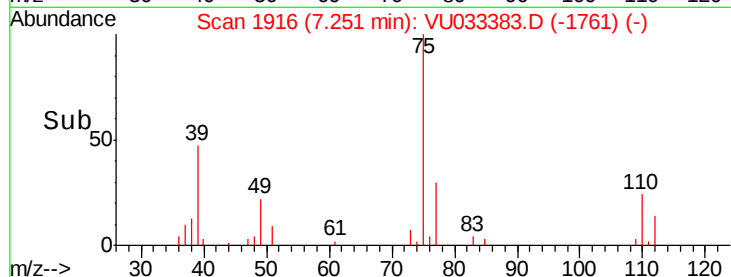
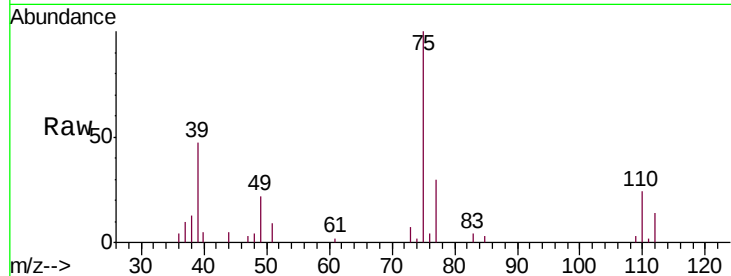




#51  
 cis-1,3-Dichloropropene  
 Concen: 1.286 ug/l  
 RT: 7.25 min Scan# 1916  
 Delta R.T. -0.00 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

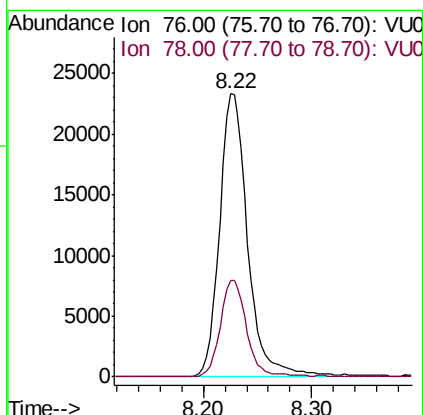
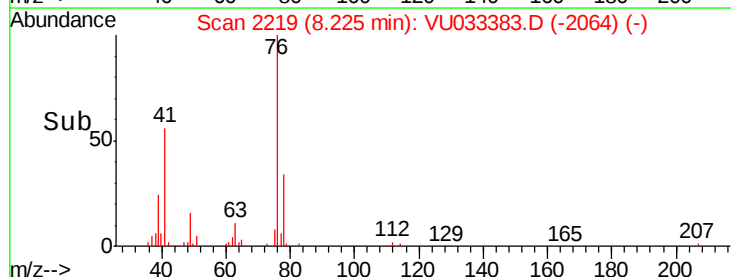
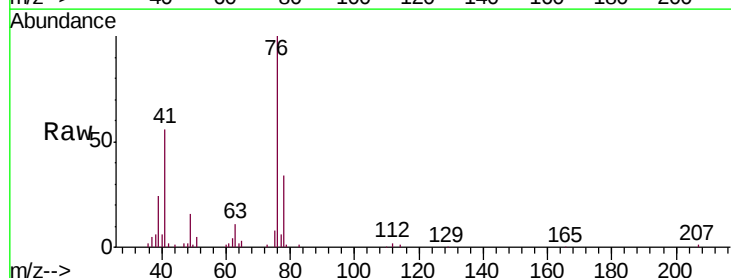
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-UNRVOA-WSDL

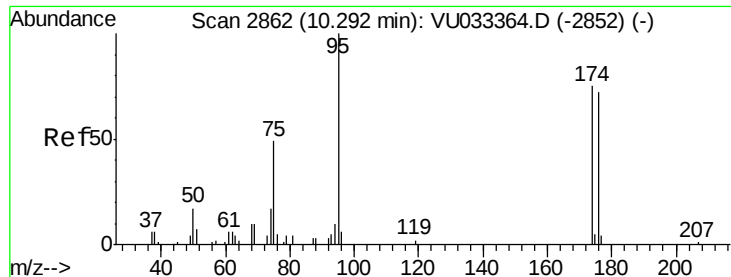
Tgt Ion: 75 Resp: 13825  
 Ion Ratio Lower Upper  
 75 100  
 77 29.6 25.8 38.8  
 39 47.2 35.2 52.8



#53  
 1,3-Dichloropropane  
 Concen: 4.129 ug/l  
 RT: 8.22 min Scan# 2219  
 Delta R.T. -0.00 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

Tgt Ion: 76 Resp: 42209  
 Ion Ratio Lower Upper  
 76 100  
 78 31.8 25.7 38.5





#57

4-Bromofluorobenzene

Concen: 0.857 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

PT-UNRVOA-WSDL

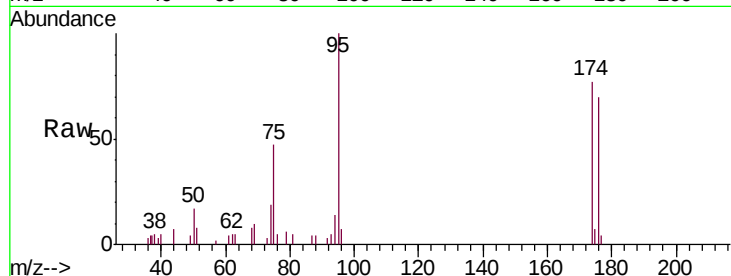
Tgt Ion: 95 Resp: 8348

Ion Ratio Lower Upper

95 100

174 79.1 58.8 88.2

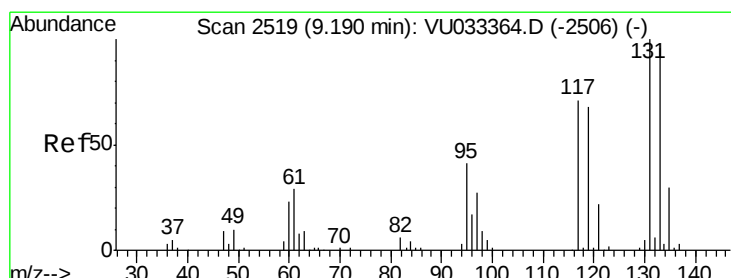
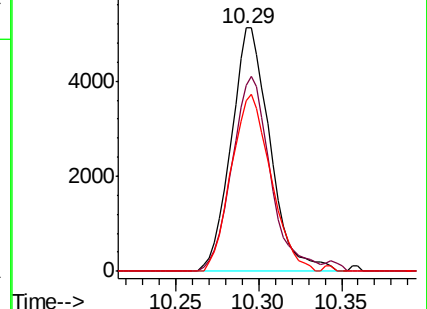
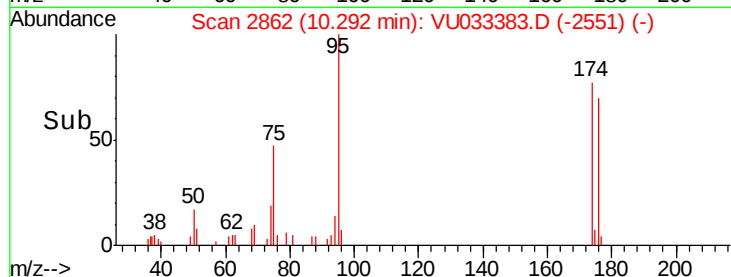
176 73.9 54.4 81.6



Abundance Ion 95.00 (94.70 to 95.70): VU033383.D (-2551) (-)

Ion 174.00 (173.70 to 174.70): VU033383.D (-2551) (-)

Ion 176.00 (175.70 to 176.70): VU033383.D (-2551) (-)



#60

1,1,1,2-Tetrachloroethane

Concen: 1.506 ug/l

RT: 9.19 min Scan# 2520

Delta R.T. 0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

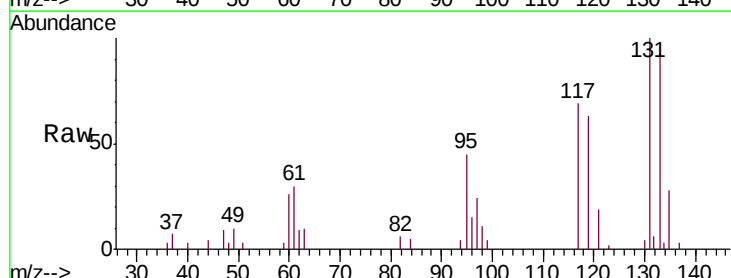
Tgt Ion: 131 Resp: 11133

Ion Ratio Lower Upper

131 100

133 93.2 76.2 114.4

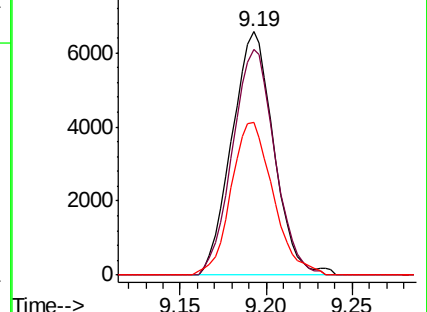
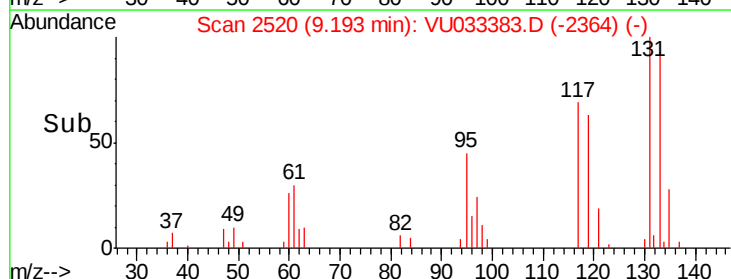
119 62.8 54.9 82.3

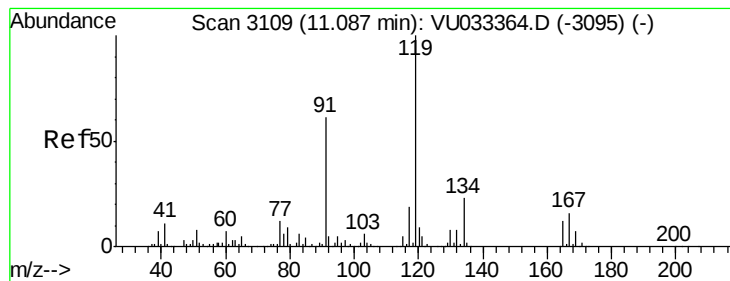


Abundance Ion 131.00 (130.70 to 131.70): VU033383.D (-2364) (-)

Ion 133.00 (132.70 to 133.70): VU033383.D (-2364) (-)

Ion 119.00 (118.70 to 119.70): VU033383.D (-2364) (-)





#61

Pentachloroethane

Concen: 0.561 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

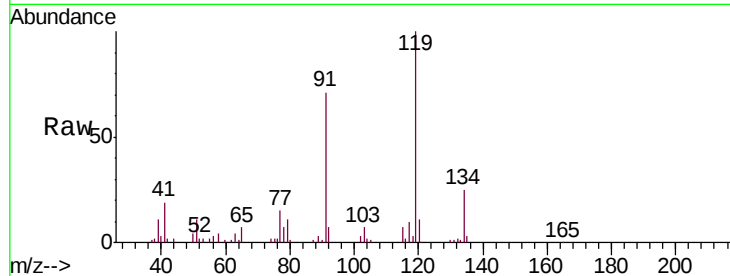
PT-UNRVOA-WSDL

Tgt Ion:117 Resp: 3406

Ion Ratio Lower Upper

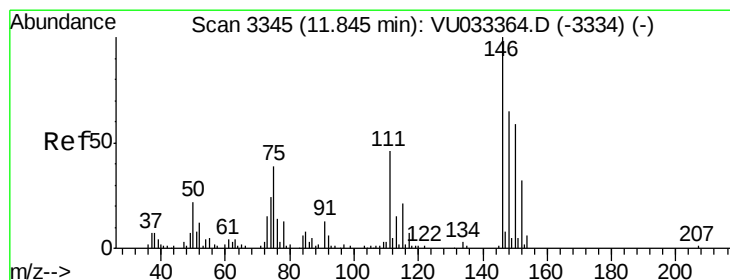
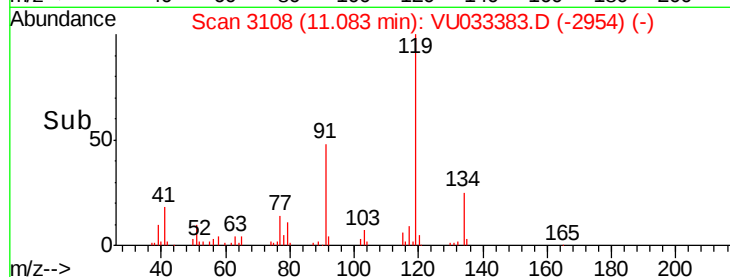
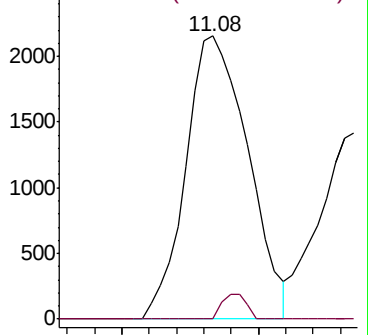
117 100

167 3.6 63.4 95.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.058 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

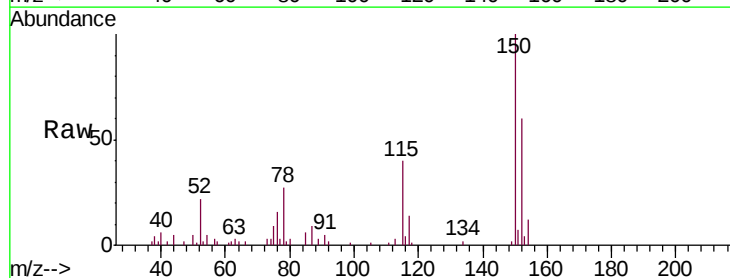
Tgt Ion:152 Resp: 10637

Ion Ratio Lower Upper

152 100

115 71.9 0.0 123.2

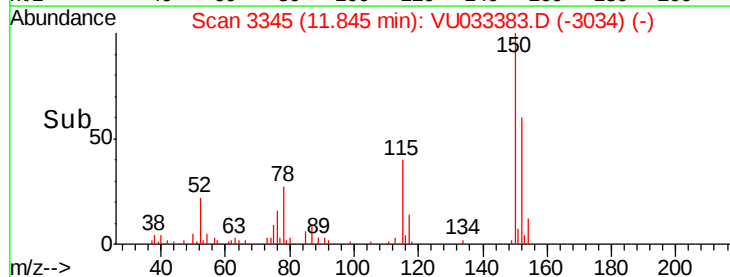
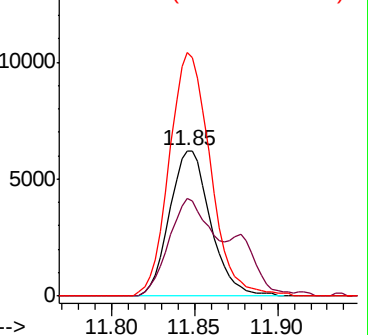
150 168.3 0.0 648.4

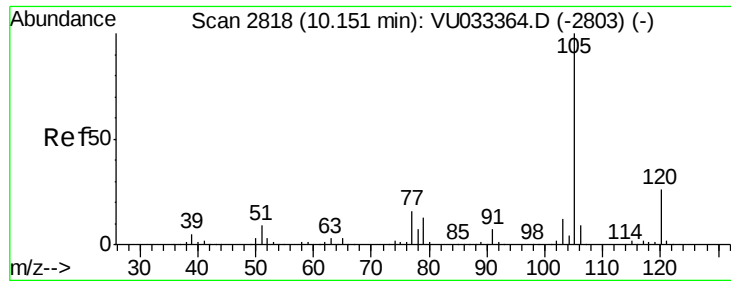


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.808 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

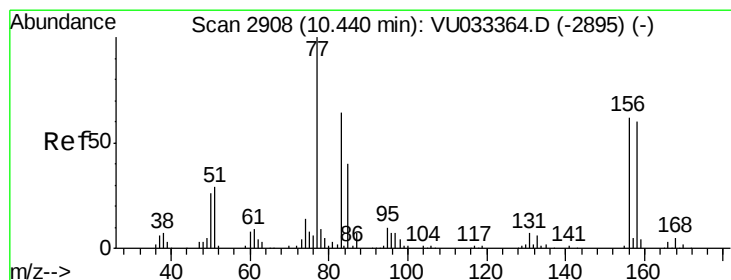
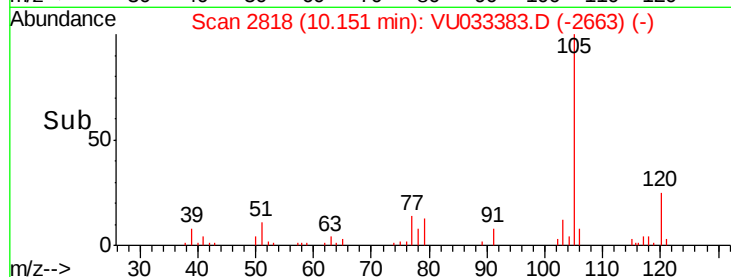
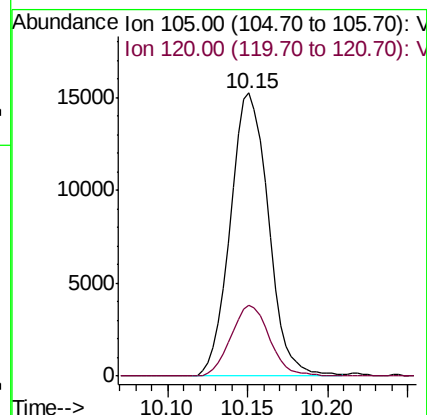
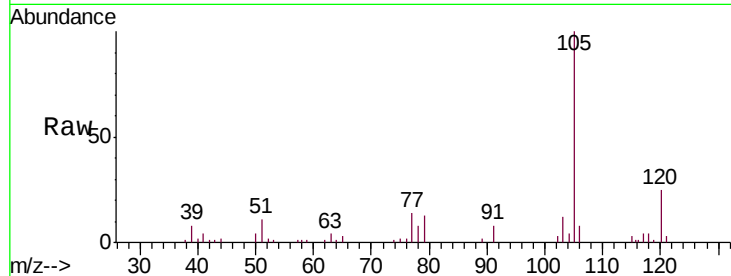
PT-UNRVOA-WSDL

Tgt Ion:105 Resp: 24820

Ion Ratio Lower Upper

105 100

120 25.3 13.4 40.1



#70

1,1,2,2-Tetrachloroethane

Concen: 2.453 ug/l

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

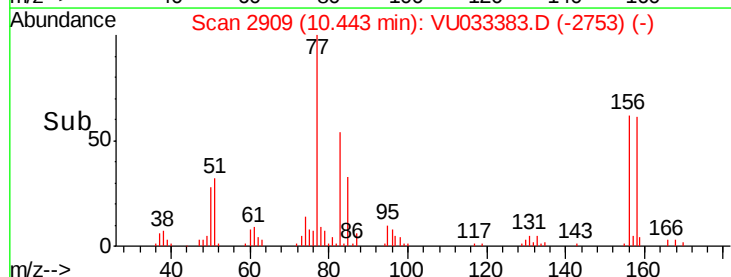
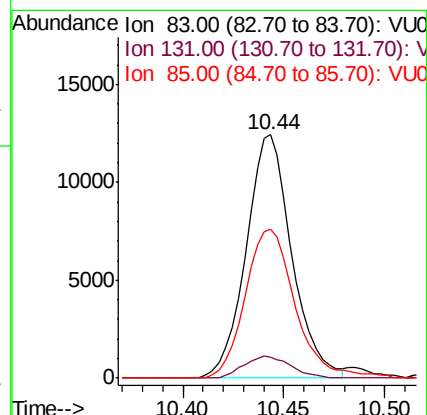
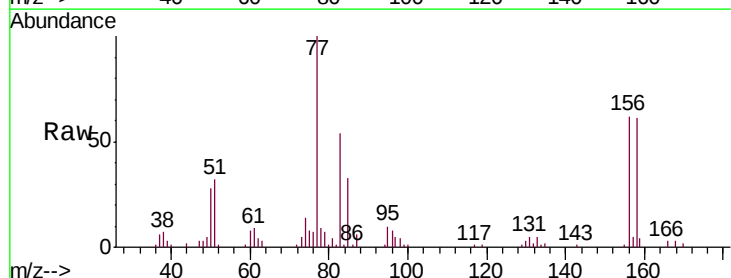
Tgt Ion: 83 Resp: 19666

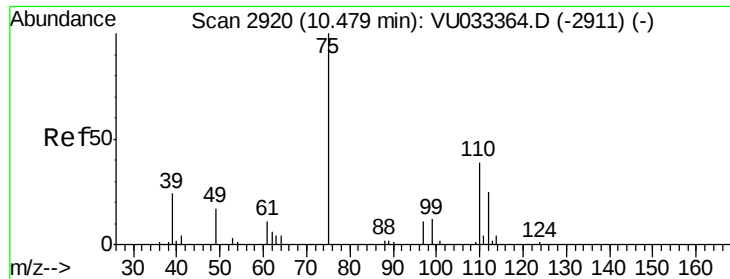
Ion Ratio Lower Upper

83 100

131 9.3 8.0 12.0

85 67.2 51.8 77.8

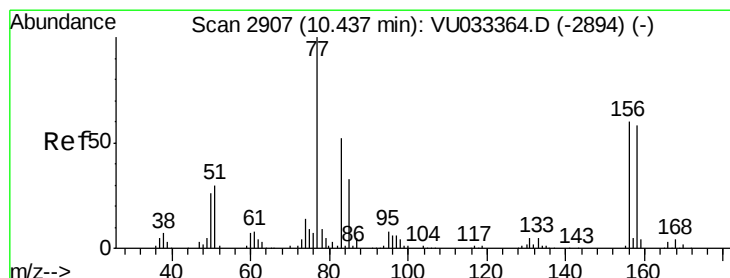
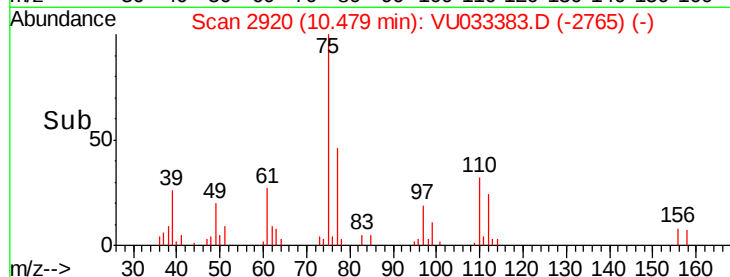
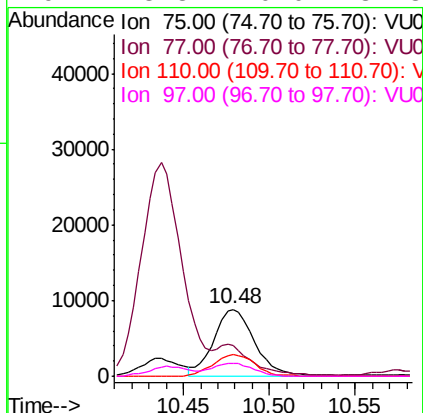
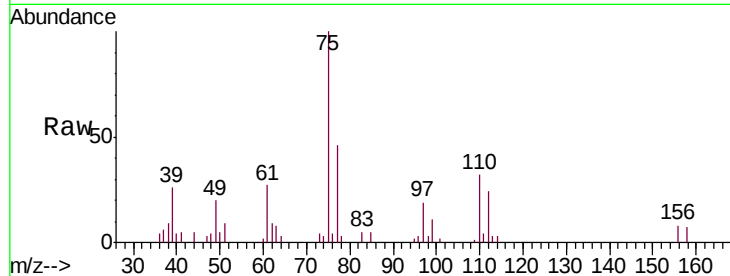




#71  
1,2,3-Trichloropropane  
Concen: 2.392 ug/l  
RT: 10.48 min Scan# 2920  
Delta R.T. -0.00 min  
Lab File: VU033383.D  
Acq: 23 Jul 2019 15:58

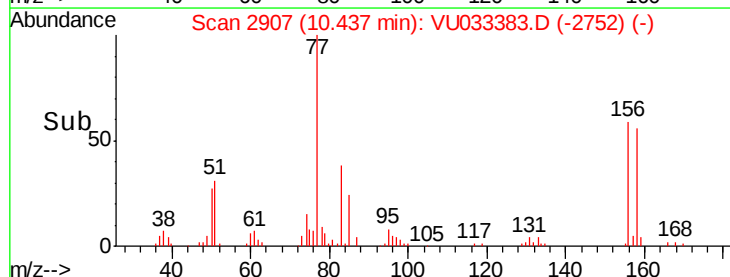
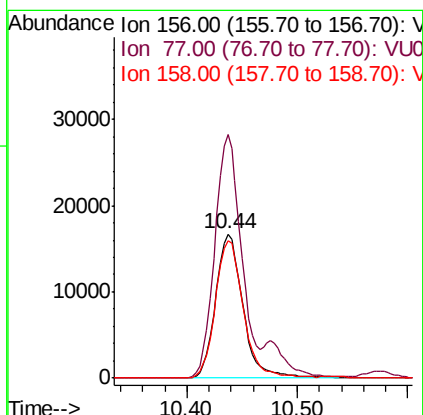
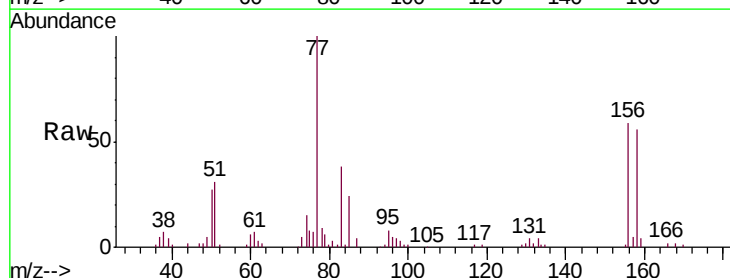
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WSDL

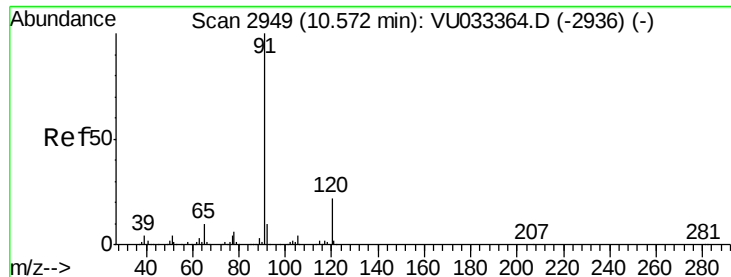
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 14809 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 18.2  |
| 110      | 33.1  | 0.0   | 71.4  |
| 97       | 18.8  | 0.0   | 37.8  |



#72  
Bromobenzene  
Concen: 3.540 ug/l  
RT: 10.44 min Scan# 2907  
Delta R.T. -0.00 min  
Lab File: VU033383.D  
Acq: 23 Jul 2019 15:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 28711 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 162.5 | 0.0   | 324.4 |
| 158      | 97.5  | 0.0   | 192.4 |





#73

n-propylbenzene

Concen: 0.667 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

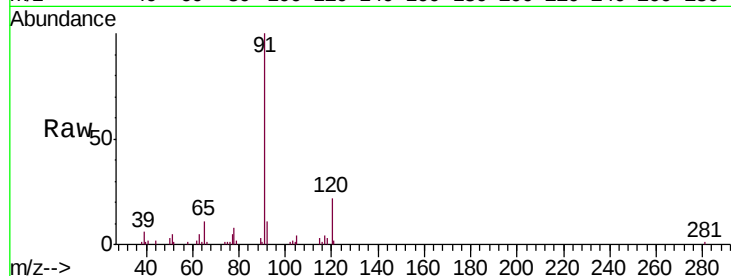
PT-UNRVOA-WSDL

Tgt Ion:120 Resp: 5834

Ion Ratio Lower Upper

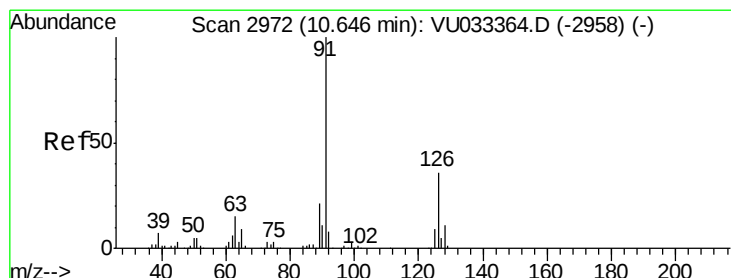
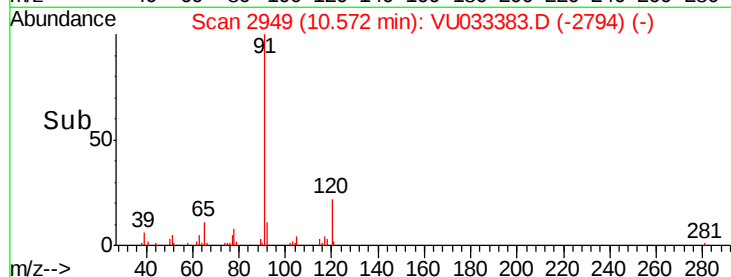
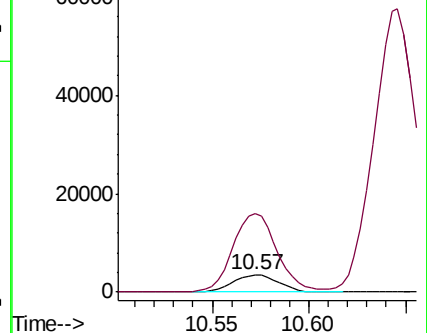
120 100

91 435.4 355.1 532.7



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 3.870 ug/l

RT: 10.65 min Scan# 2972

Delta R.T. -0.00 min

Lab File: VU033383.D

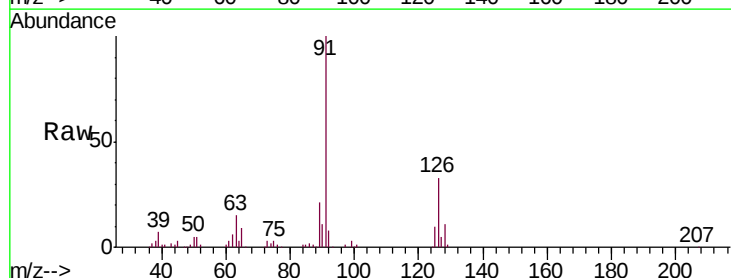
Acq: 23 Jul 2019 15:58

Tgt Ion:126 Resp: 30917

Ion Ratio Lower Upper

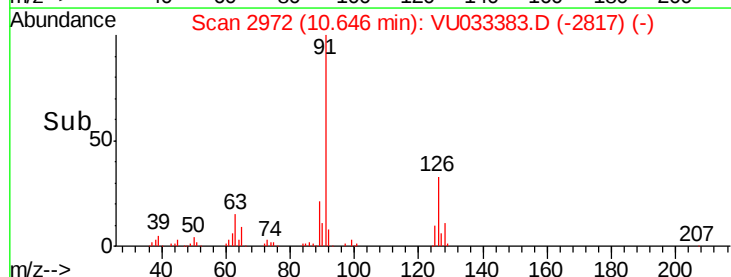
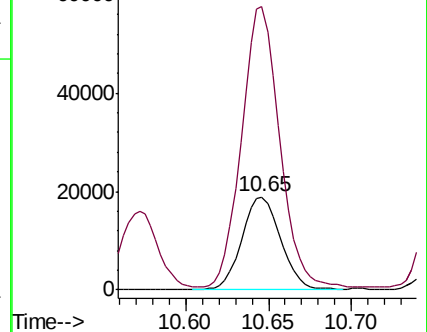
126 100

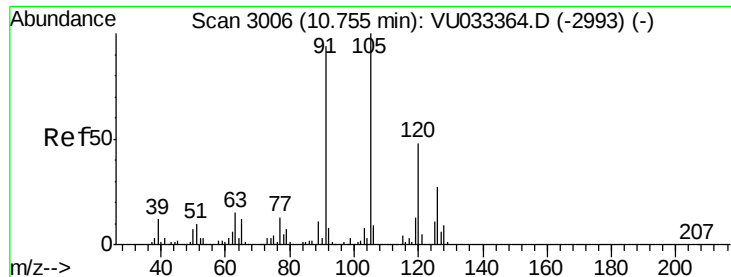
91 303.7 0.0 598.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.610 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

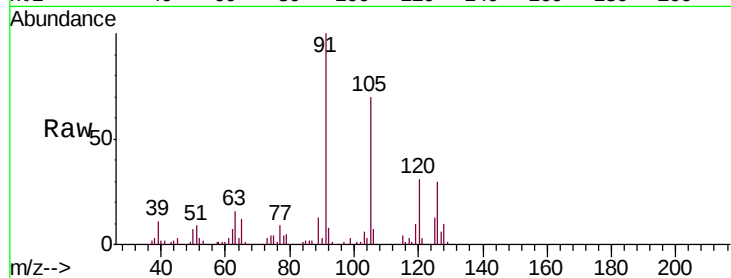
PT-UNRVOA-WSDL

Tgt Ion:105 Resp: 44389

Ion Ratio Lower Upper

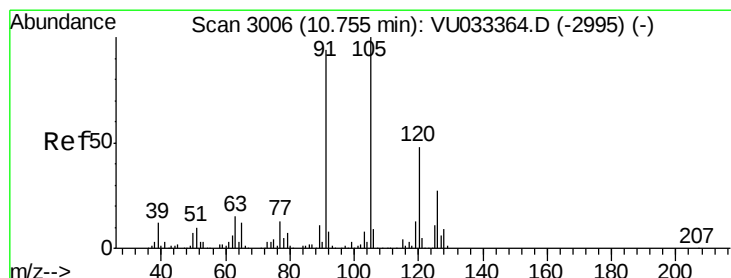
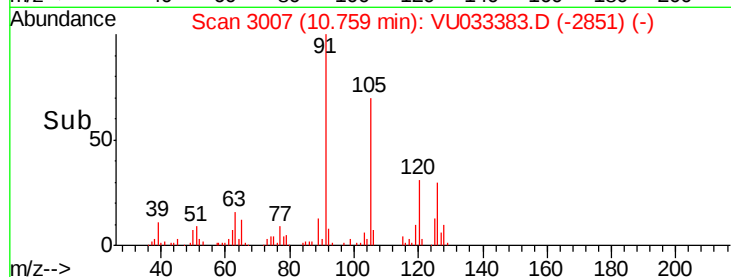
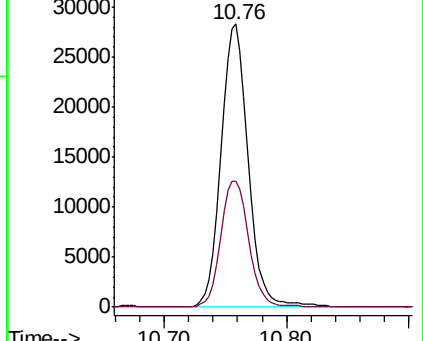
105 100

120 46.0 38.2 57.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 2.412 ug/l

RT: 10.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: VU033383.D

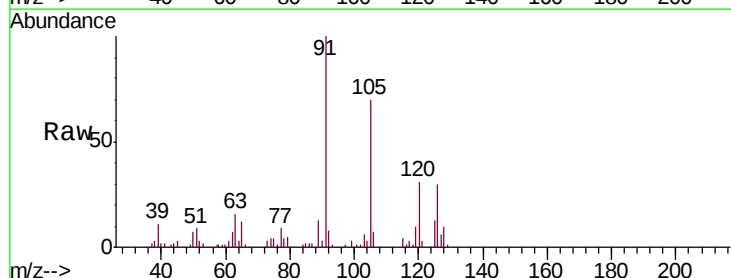
Acq: 23 Jul 2019 15:58

Tgt Ion:126 Resp: 20081

Ion Ratio Lower Upper

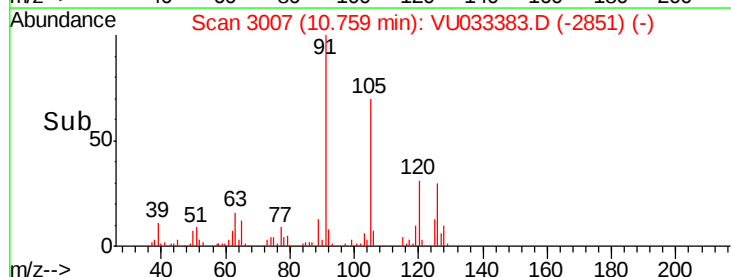
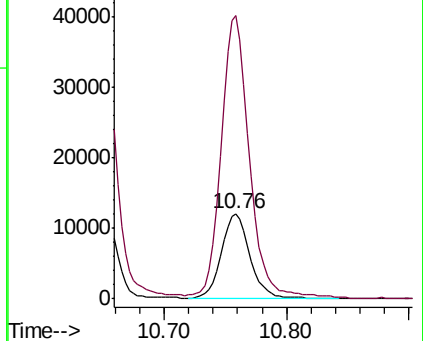
126 100

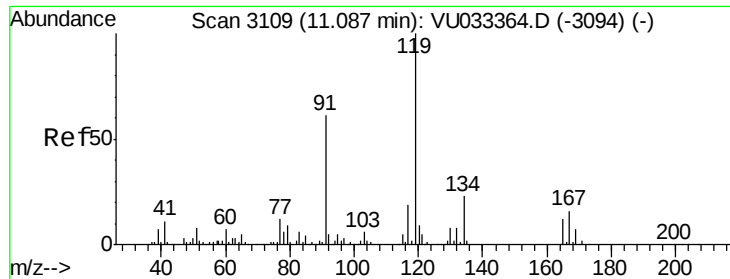
91 325.9 0.0 681.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

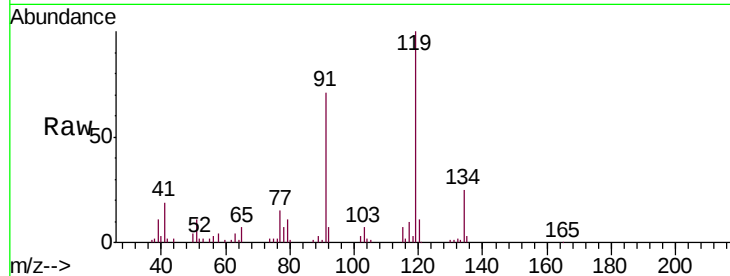




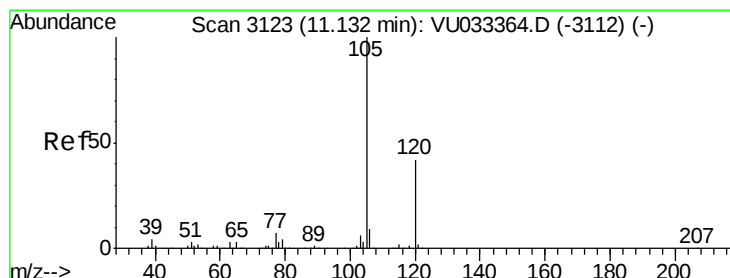
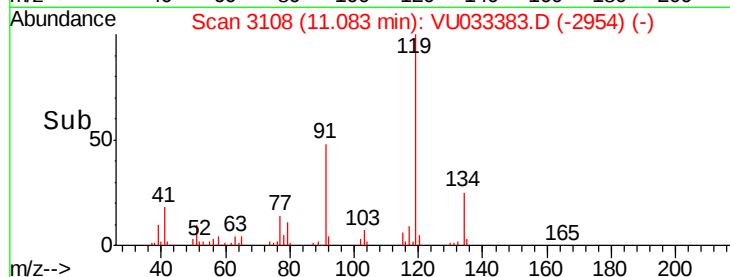
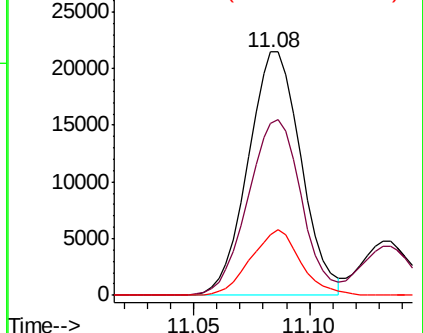
#77  
 tert-Butylbenzene  
 Concen: 1.307 ug/l  
 RT: 11.08 min Scan# 3108  
 Delta R.T. -0.00 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-UNRVOA-WSDL

Tgt Ion:119 Resp: 34139  
 Ion Ratio Lower Upper  
 119 100  
 91 72.8 30.4 91.3  
 134 25.3 18.5 27.7

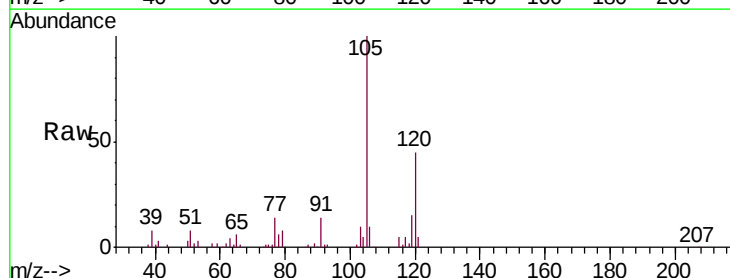


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VU0  
 Ion 134.00 (133.70 to 134.70): V

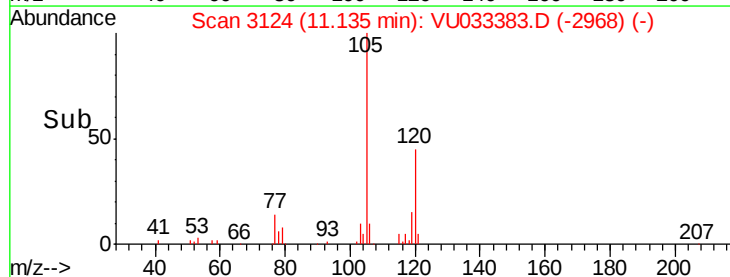
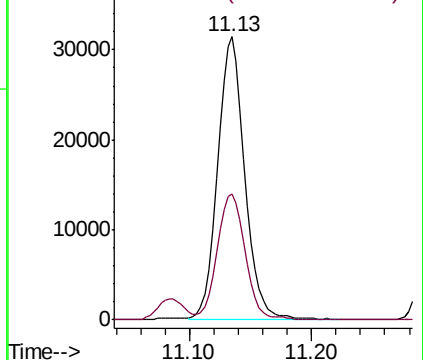


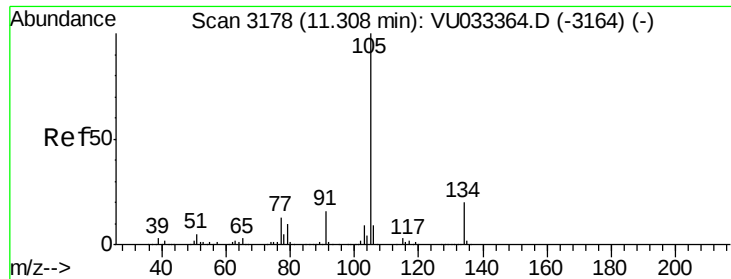
#78  
 1,2,4-Trimethylbenzene  
 Concen: 1.747 ug/l  
 RT: 11.13 min Scan# 3124  
 Delta R.T. 0.00 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

Tgt Ion:105 Resp: 49232  
 Ion Ratio Lower Upper  
 105 100  
 120 46.1 22.5 67.5



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





#79

sec-Butylbenzene

Concen: 2.712 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

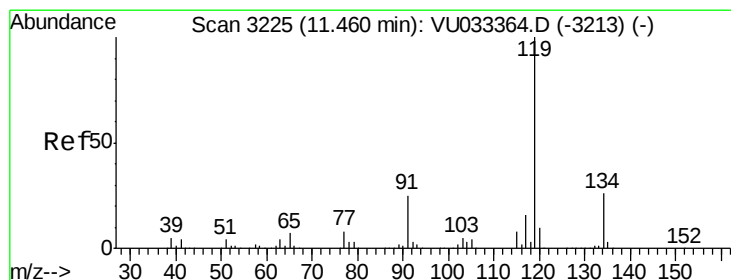
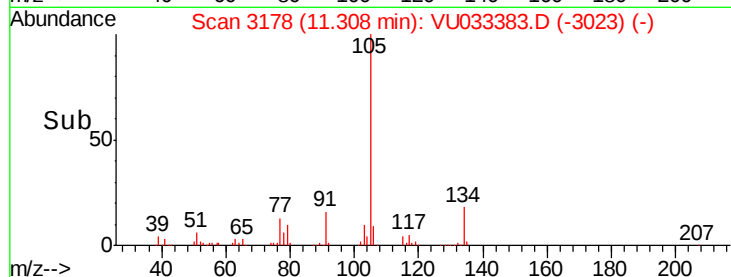
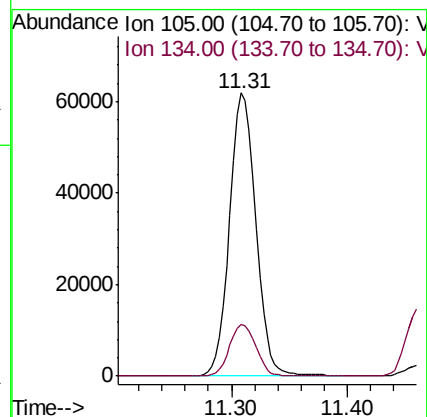
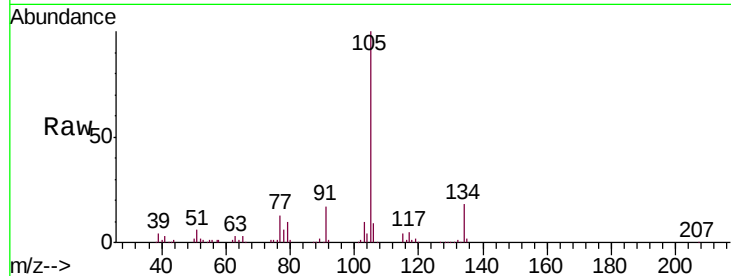
PT-UNRVOA-WSDL

Tgt Ion:105 Resp: 97528

Ion Ratio Lower Upper

105 100

134 18.4 15.5 23.3



#81

p-Isopropyltoluene

Concen: 2.867 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

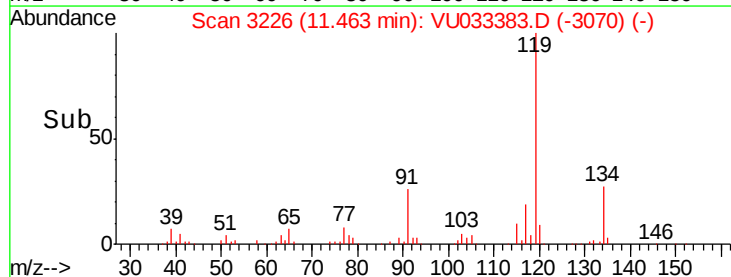
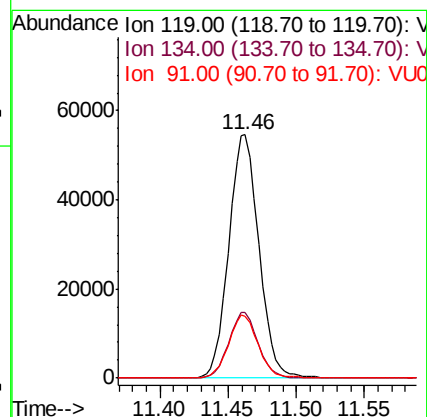
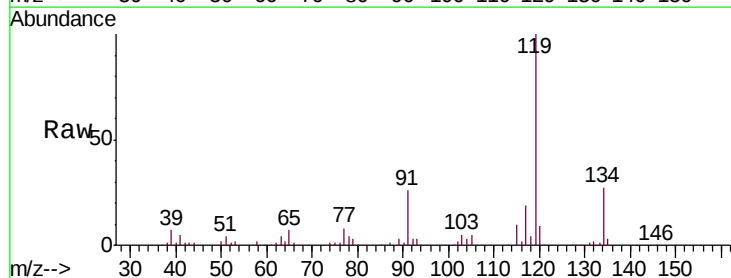
Tgt Ion:119 Resp: 83808

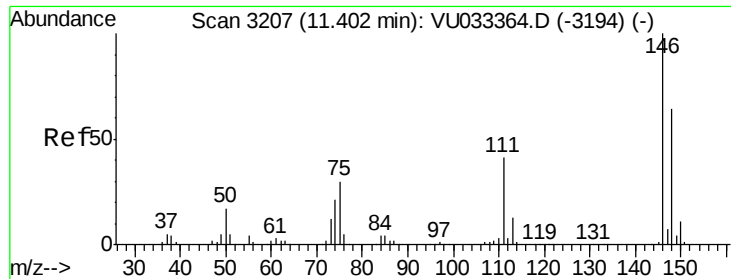
Ion Ratio Lower Upper

119 100

134 26.2 21.0 31.4

91 25.8 19.8 29.6

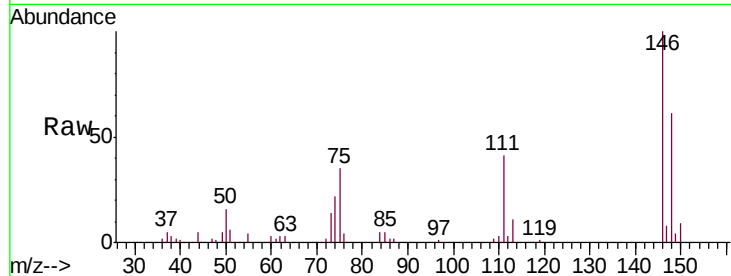




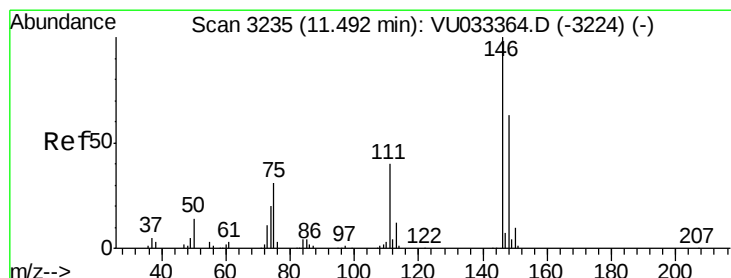
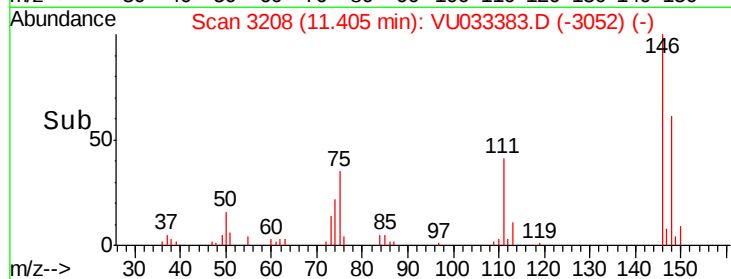
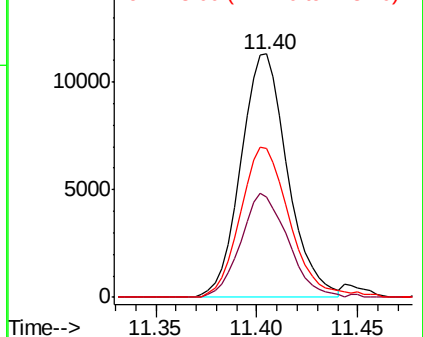
#82  
 1,3-Dichlorobenzene  
 Concen: 1.064 ug/l  
 RT: 11.40 min Scan# 3208  
 Delta R.T. 0.00 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-UNRVOA-WSDL

Tgt Ion:146 Resp: 18349  
 Ion Ratio Lower Upper  
 146 100  
 111 43.0 33.3 49.9  
 148 65.5 50.8 76.2

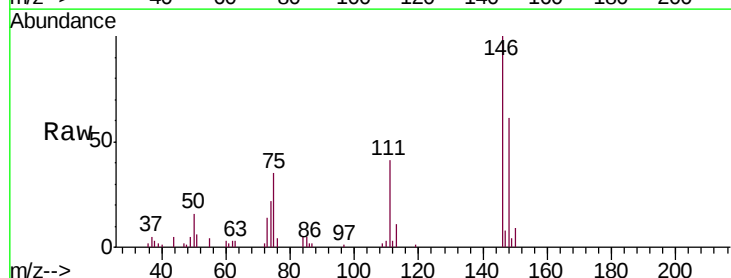


Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

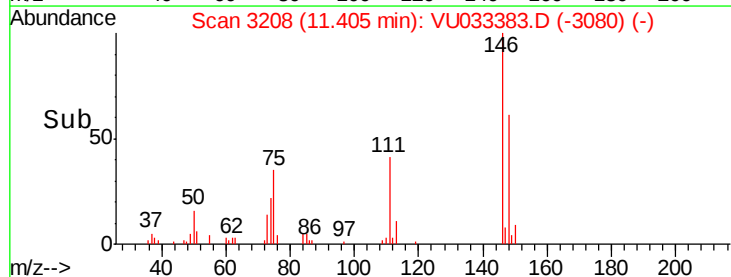
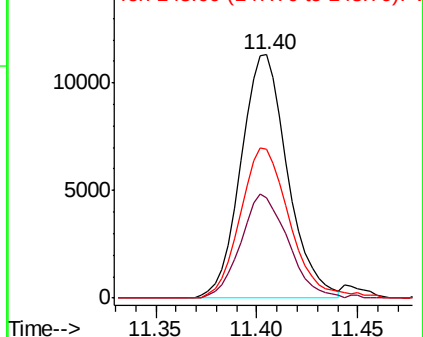


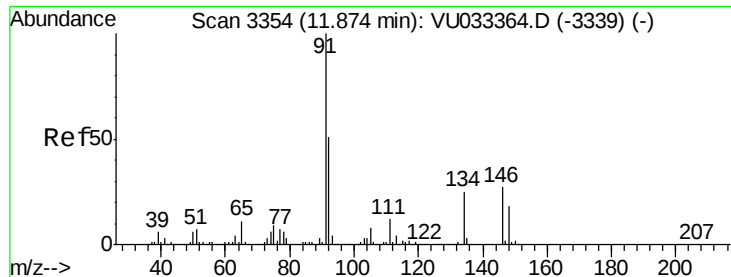
#83  
 1,4-Dichlorobenzene  
 Concen: 1.076 ug/l  
 RT: 11.40 min Scan# 3208  
 Delta R.T. -0.09 min  
 Lab File: VU033383.D  
 Acq: 23 Jul 2019 15:58

Tgt Ion:146 Resp: 18349  
 Ion Ratio Lower Upper  
 146 100  
 111 43.0 32.2 48.4  
 148 65.5 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

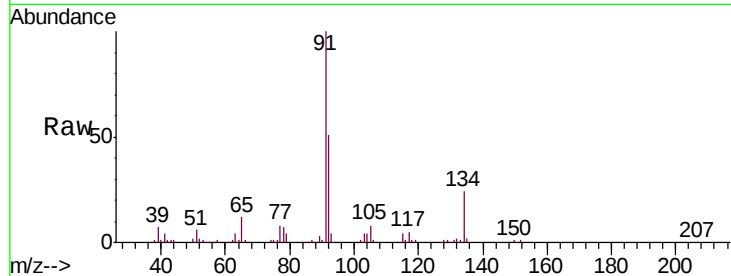




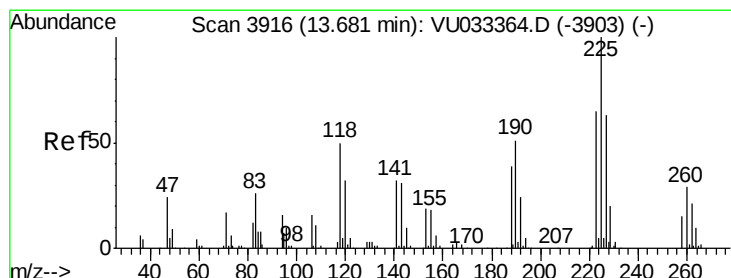
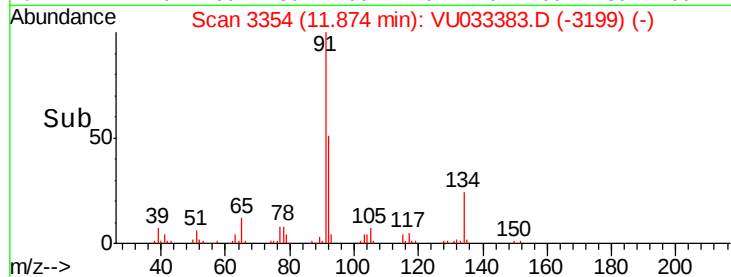
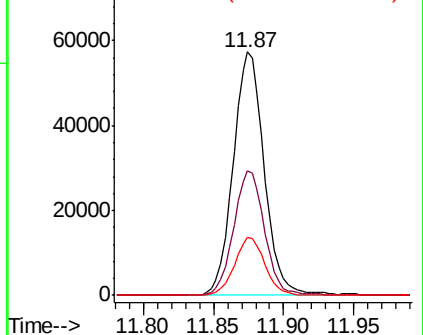
#84  
n-Butylbenzene  
Concen: 2.948 ug/l  
RT: 11.87 min Scan# 3354  
Delta R.T. -0.00 min  
Lab File: VU033383.D  
Acq: 23 Jul 2019 15:58

Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WSDL

Tgt Ion: 91 Resp: 88206  
Ion Ratio Lower Upper  
91 100  
92 51.0 41.0 61.6  
134 23.3 19.5 29.3

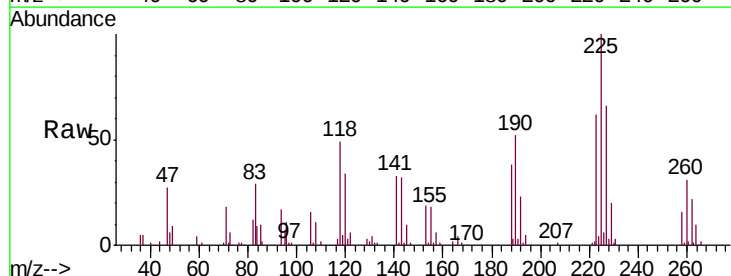


Abundance Ion 91.00 (90.70 to 91.70): VU0  
Ion 92.00 (91.70 to 92.70): VU0  
Ion 134.00 (133.70 to 134.70): V

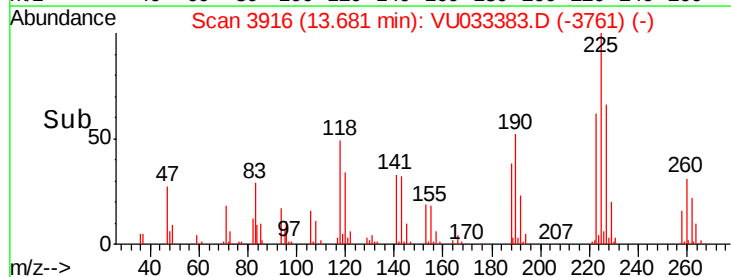
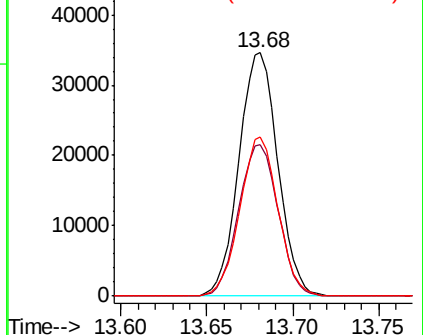


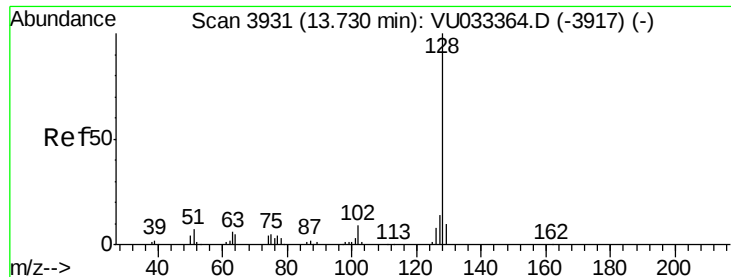
#88  
Hexachlorobutadiene  
Concen: 9.182 ug/l  
RT: 13.68 min Scan# 3916  
Delta R.T. -0.00 min  
Lab File: VU033383.D  
Acq: 23 Jul 2019 15:58

Tgt Ion: 225 Resp: 54467  
Ion Ratio Lower Upper  
225 100  
223 63.3 52.2 78.4  
227 63.8 51.7 77.5



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





#89

Naphthalene

Concen: 3.759 ug/l

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

Instrument :

MSVOA\_U

ClientSampleId :

PT-UNRVOA-WSDL

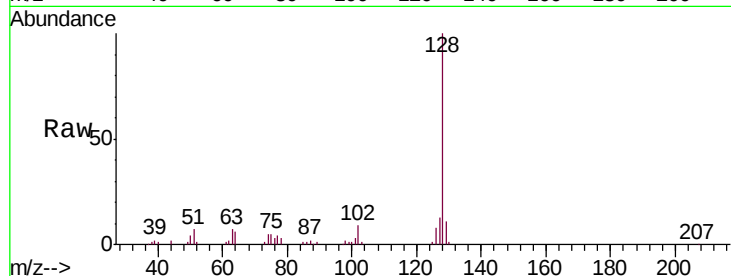
Tgt Ion:128 Resp: 72472

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

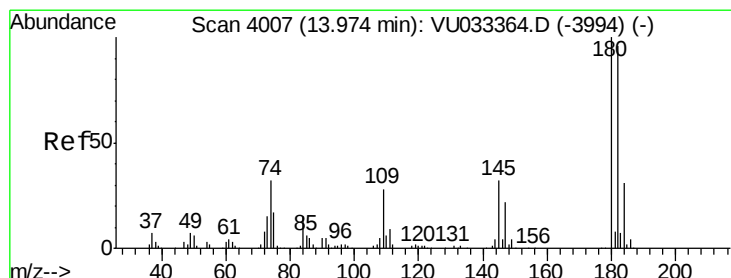
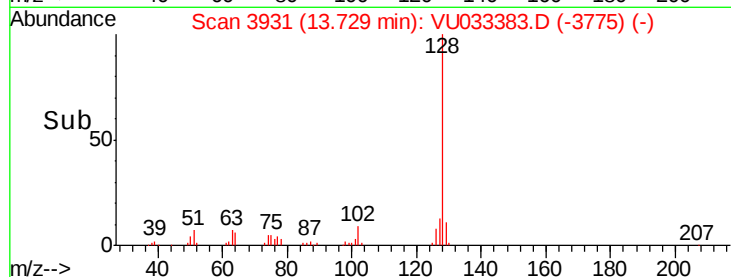
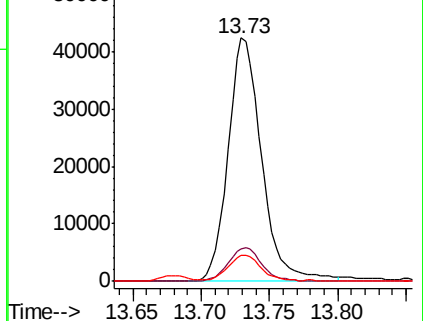
129 9.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 11.848 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033383.D

Acq: 23 Jul 2019 15:58

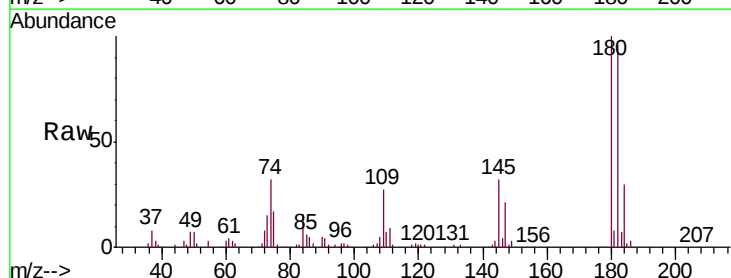
Tgt Ion:180 Resp: 110592

Ion Ratio Lower Upper

180 100

182 96.5 77.9 116.9

145 32.4 25.8 38.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

