

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072920\  
 Data File : VU039709.D  
 Acq On : 29 Jul 2020 17:54  
 Operator : SY/MD  
 Sample : L3319-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-RVOA-WS

Quant Time: Jul 30 01:49:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072920DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 30 01:45:12 2020  
 Response via : Initial Calibration

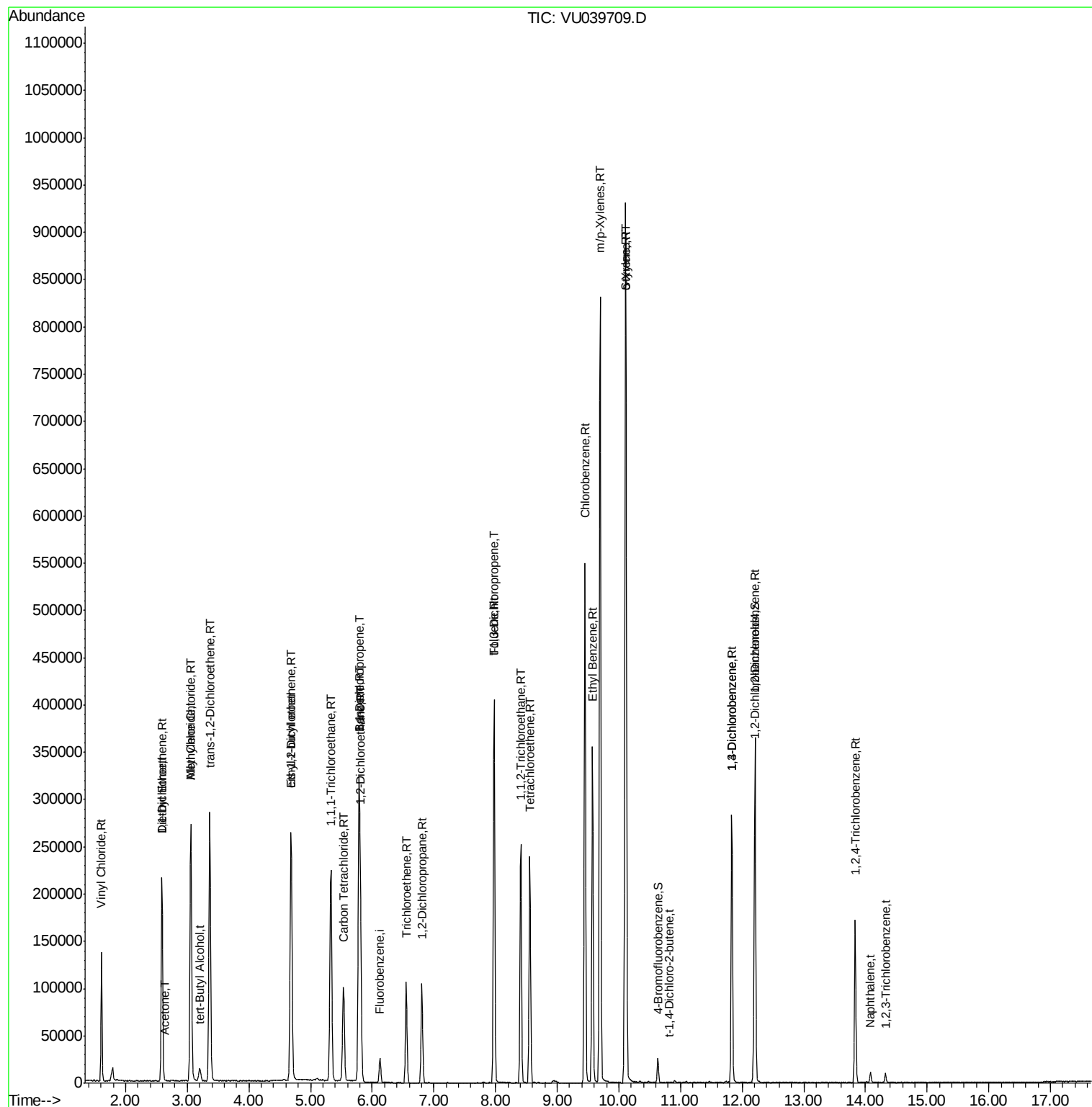
| Internal Standards           | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|-------|------|----------|--------|---------|----------|
| 1) Fluorobenzene             | 6.12  | 96   | 21364    | 1.00   | ug/l    | 0.00     |
| System Monitoring Compounds  |       |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.63 | 95   | 8361     | 1.00   | ug/l    | 0.00     |
| Spiked Amount 1.000          |       |      | Recovery | =      | 100.00% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.19 | 152  | 8144     | 1.00   | ug/l    | 0.00     |
| Spiked Amount 1.000          |       |      | Recovery | =      | 100.00% |          |
| Target Compounds             |       |      |          |        |         |          |
|                              |       |      |          |        | Ovalue  |          |
| 4) Vinyl Chloride            | 1.61  | 62   | 89107    | 10.484 | ug/l    | 98       |
| 9) 1,1-Dichloroethene        | 2.59  | 96   | 61614    | 10.379 | ug/l    | 98       |
| 11) Allyl Chloride           | 3.05  | 41   | 5451     | 0.426  | ug/l #  | 13       |
| 13) Acetone                  | 2.65  | 43   | 696      | 0.355  | ug/l    | 97       |
| 15) Methylene Chloride       | 3.06  | 84   | 108407   | 13.101 | ug/l    | 100      |
| 16) trans-1,2-Dichloroethene | 3.37  | 96   | 100928   | 14.955 | ug/l    | 97       |
| 22) cis-1,2-Dichloroethene   | 4.68  | 96   | 112964   | 15.529 | ug/l    | 86       |
| 23) Diethyl Ether            | 2.59  | 59   | 4808     | 0.792  | ug/l #  | 17       |
| 24) tert-Butyl Alcohol       | 3.20  | 59   | 8771     | 4.149  | ug/l #  | 74       |
| 28) 1,1,1-Trichloroethane    | 5.33  | 97   | 147958   | 13.184 | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.78  | 75   | 4925     | 0.456  | ug/l #  | 1        |
| 30) Carbon Tetrachloride     | 5.53  | 117  | 59398    | 6.473  | ug/l    | 97       |
| 32) Ethyl-t-butyl ether      | 4.68  | 59   | 4829     | 0.210  | ug/l #  | 38       |
| 35) Benzene                  | 5.79  | 78   | 259228   | 9.698  | ug/l    | 99       |
| 36) 1,2-Dichloroethane       | 5.81  | 62   | 134565   | 13.429 | ug/l    | 100      |
| 37) Trichloroethene          | 6.55  | 130  | 31006    | 5.070  | ug/l    | 96       |
| 38) 1,2-Dichloropropane      | 6.81  | 63   | 36376    | 4.937  | ug/l    | 100      |
| 46) t-1,4-Dichloro-2-butene  | 10.82 | 75   | 443      | 0.248  | ug/l #  | 15       |
| 49) Toluene                  | 7.98  | 92   | 157215   | 9.881  | ug/l    | 99       |
| 50) t-1,3-Dichloropropene    | 7.98  | 75   | 2199     | 0.269  | ug/l #  | 1        |
| 52) 1,1,2-Trichloroethane    | 8.41  | 97   | 69542    | 13.500 | ug/l    | 99       |
| 58) Tetrachloroethene        | 8.56  | 164  | 44005    | 8.219  | ug/l    | 98       |
| 59) Chlorobenzene            | 9.45  | 112  | 257124   | 15.627 | ug/l    | 99       |
| 63) Ethyl Benzene            | 9.57  | 91   | 235129   | 7.974  | ug/l    | 99       |
| 64) m/p-Xylenes              | 9.70  | 106  | 221589   | 19.234 | ug/l    | 100      |
| 65) o-Xylene                 | 10.10 | 106  | 103204   | 9.435  | ug/l    | 97       |
| 66) Styrene                  | 10.11 | 104  | 321682   | 17.162 | ug/l    | 96       |
| 82) 1,3-Dichlorobenzene      | 11.83 | 146  | 99425    | 6.962  | ug/l    | 99       |
| 83) 1,4-Dichlorobenzene      | 11.83 | 146  | 99425    | 6.922  | ug/l    | 100      |
| 85) 1,2-Dichlorobenzene      | 12.21 | 146  | 125802   | 9.140  | ug/l    | 99       |
| 87) 1,2,4-Trichlorobenzene   | 13.83 | 180  | 45271    | 5.259  | ug/l    | 99       |
| 89) Naphthalene              | 14.08 | 128  | 9257     | 0.503  | ug/l    | 99       |
| 90) 1,2,3-Trichlorobenzene   | 14.33 | 180  | 2906     | 0.358  | ug/l    | 96       |

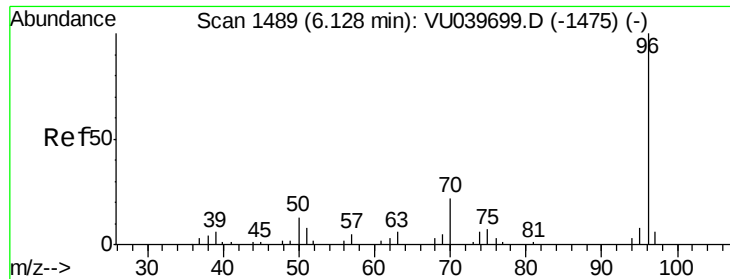
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 30 01:45:12 2020  
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

PT-RVOA-WS

Tot Ion: 96 Resp: 21364

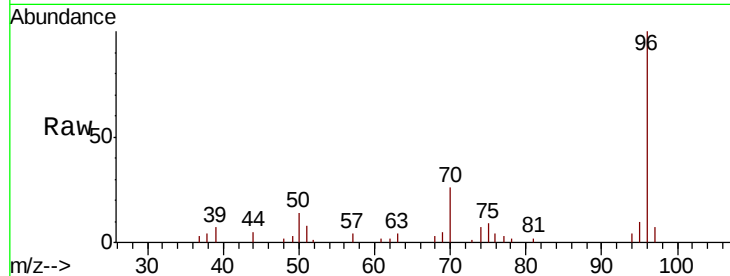
Ion Ratio Lower Upper

96 100

70 22.8 16.3 24.5

95 9.4 6.8 10.2

97 0.0 0.0 0.0

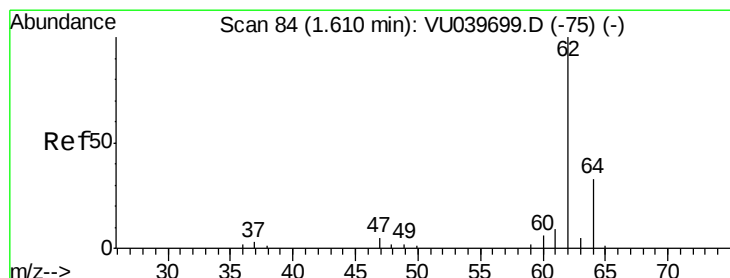
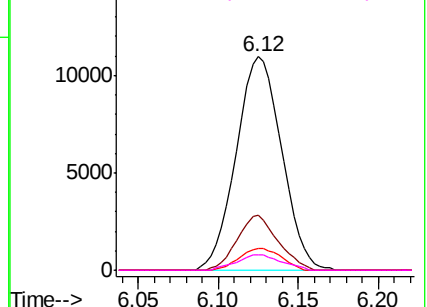
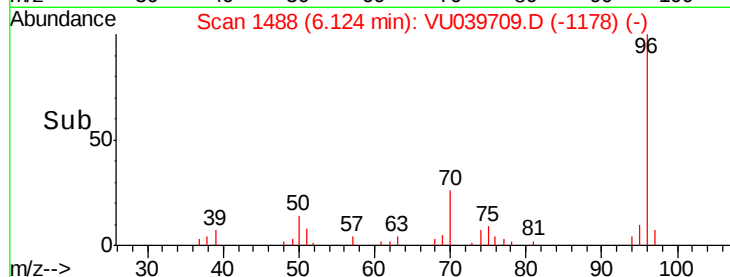


Abundance Ion 96.00 (95.70 to 96.70): VU0

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



#4

Vinyl Chloride

Concen: 10.484 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039709.D

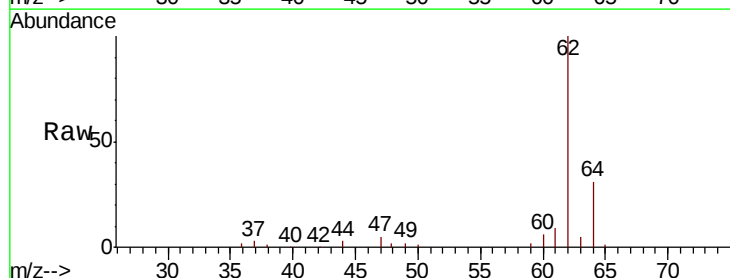
Acq: 29 Jul 2020 17:54

Tgt Ion: 62 Resp: 89107

Ion Ratio Lower Upper

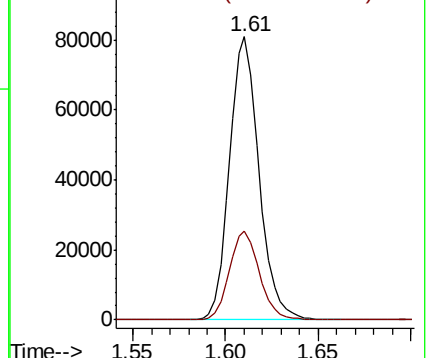
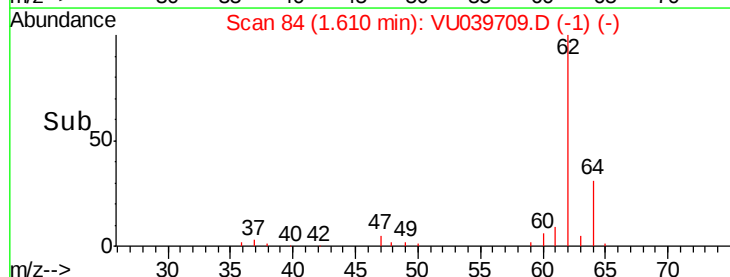
62 100

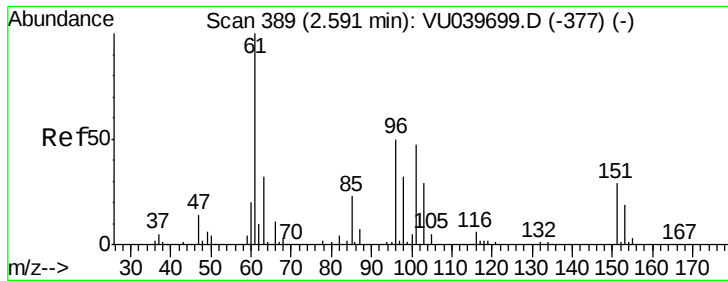
64 31.4 26.0 39.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#9

1,1-Dichloroethene

Concen: 10.379 ug/l

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

PT-RVOA-WS

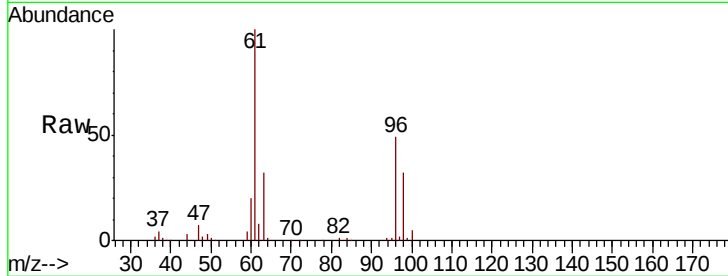
Tot Ion: 96 Resp: 61614

Ion Ratio Lower Upper

96 100

61 204.8 0.0 604.5

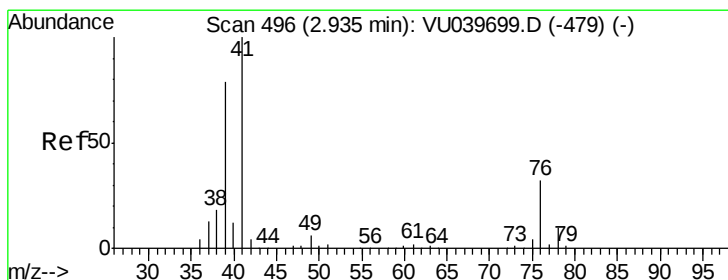
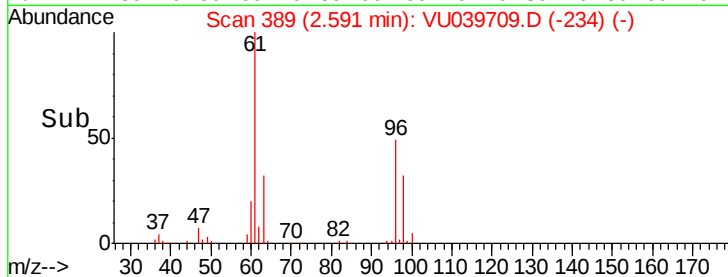
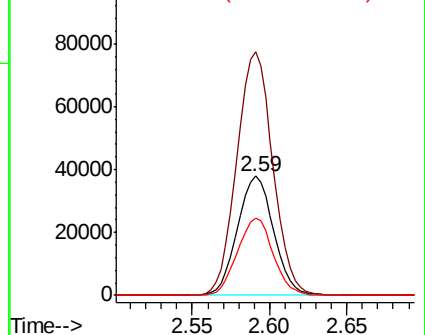
98 65.3 0.0 127.2



Abundance Ion 96.00 (95.70 to 96.70): VU039709.D (-234) (-)

Ion 61.00 (60.70 to 61.70): VU039709.D (-234) (-)

Ion 98.00 (97.70 to 98.70): VU039709.D (-234) (-)



#11

Allyl Chloride

Concen: 0.426 ug/l

RT: 3.05 min Scan# 533

Delta R.T. 0.12 min

Lab File: VU039709.D

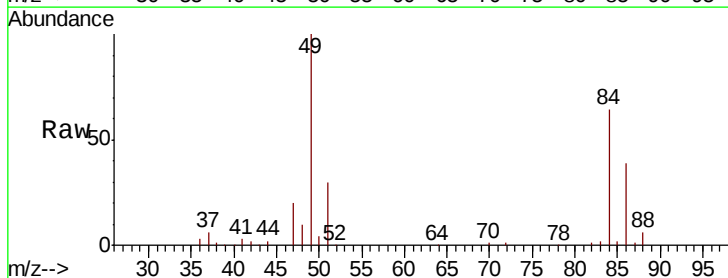
Acq: 29 Jul 2020 17:54

Tgt Ion: 41 Resp: 5451

Ion Ratio Lower Upper

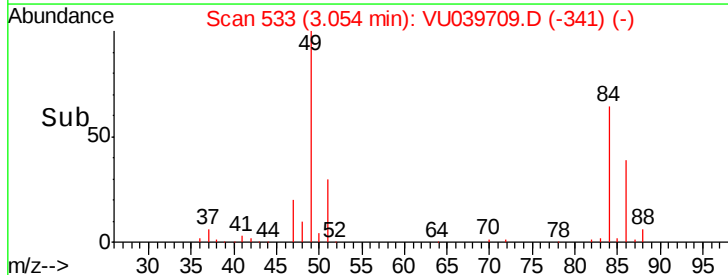
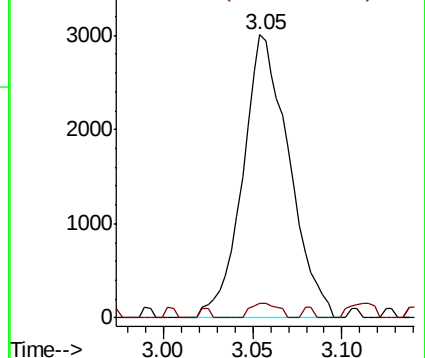
41 100

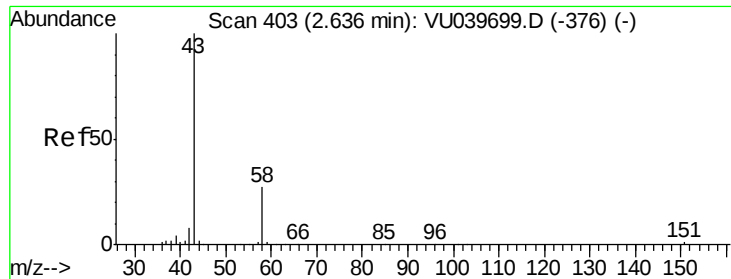
39 3.1 64.2 96.2#



Abundance Ion 41.00 (40.70 to 41.70): VU039709.D (-341) (-)

Ion 39.00 (38.70 to 39.70): VU039709.D (-341) (-)

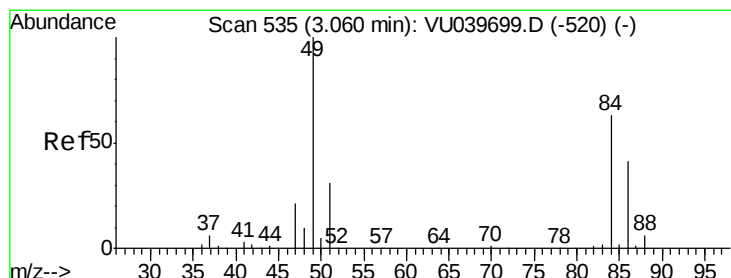
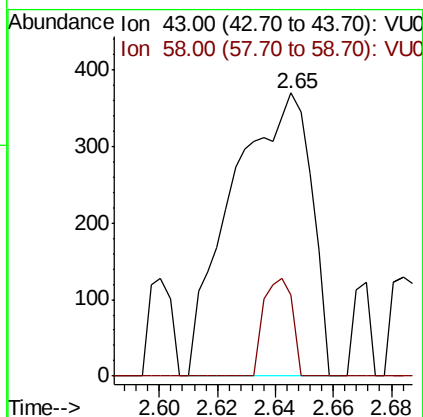
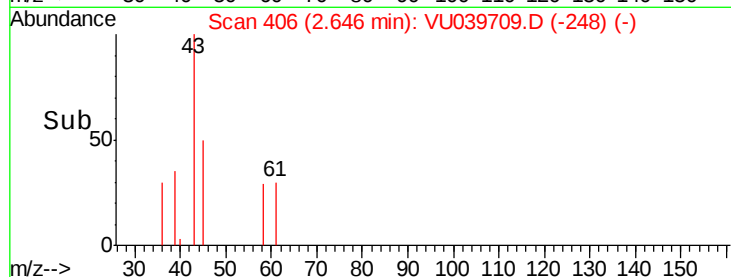
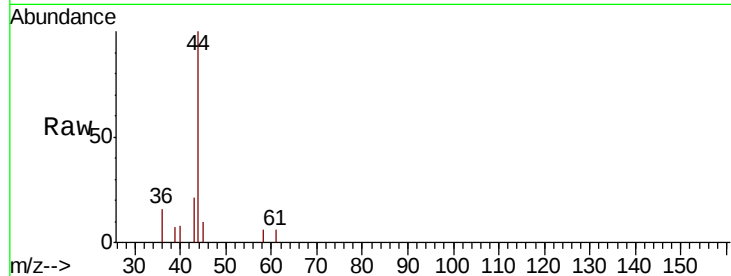




#13  
Acetone  
Concen: 0.355 ug/l  
RT: 2.65 min Scan# 406  
Delta R.T. 0.01 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

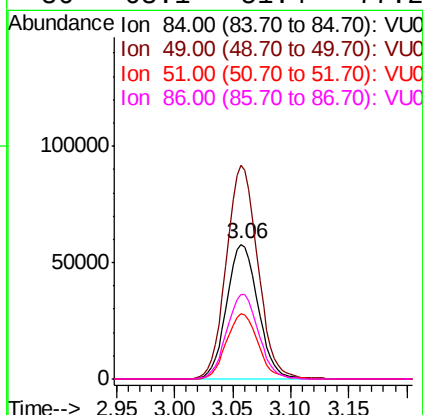
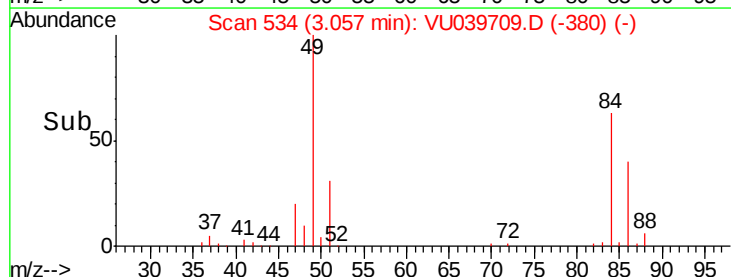
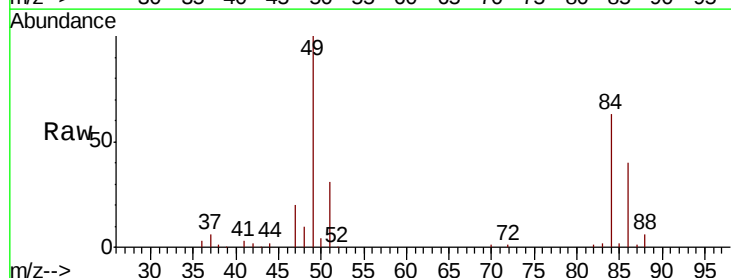
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-RVOA-WS

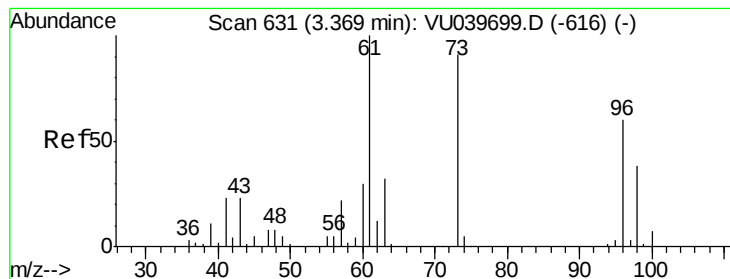
Tot Ion: 43 Resp: 696  
Ion Ratio Lower Upper  
43 100  
58 28.7 21.8 32.6



#15  
Methylene Chloride  
Concen: 13.101 ug/l  
RT: 3.06 min Scan# 534  
Delta R.T. -0.00 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

Tgt Ion: 84 Resp: 108407  
Ion Ratio Lower Upper  
84 100  
49 158.5 126.8 190.2  
51 48.5 0.0 97.2  
86 63.1 51.4 77.2





#16

trans-1,2-Dichloroethene

Concen: 14.955 ug/l

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

PT-RVOA-WS

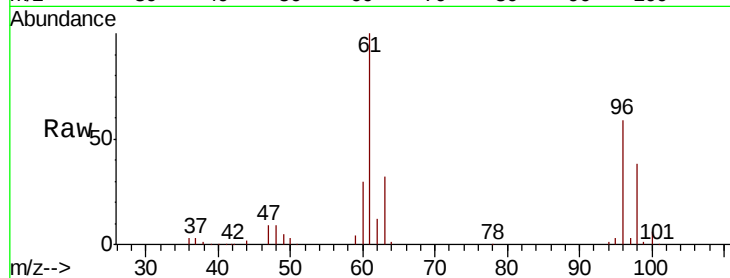
Tot Ion: 96 Resp: 100928

Ion Ratio Lower Upper

96 100

61 169.6 132.6 199.0

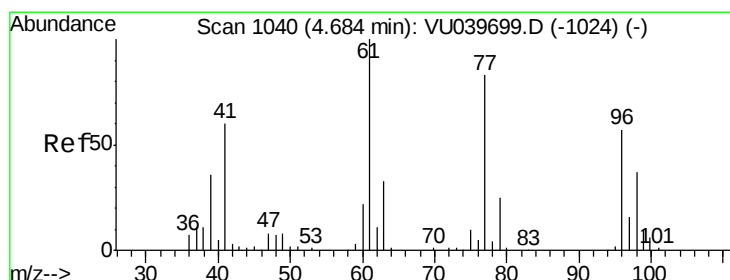
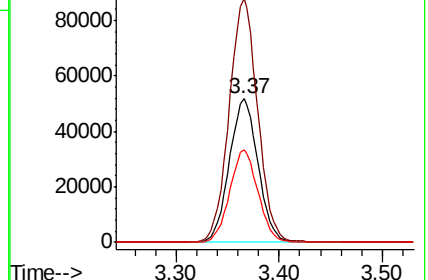
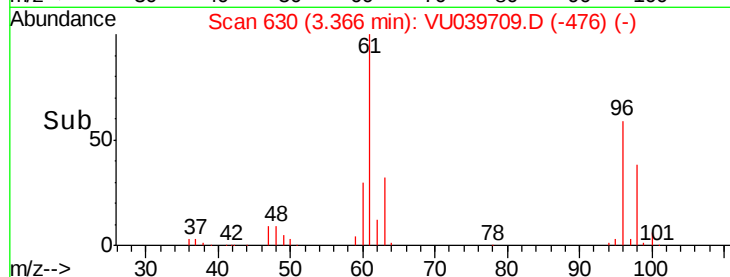
98 64.4 50.2 75.2



Abundance Ion 96.00 (95.70 to 96.70): VU039709.D (-476) (-)

Ion 61.00 (60.70 to 61.70): VU039709.D (-476) (-)

Ion 98.00 (97.70 to 98.70): VU039709.D (-476) (-)



#22

cis-1,2-Dichloroethene

Concen: 15.529 ug/l

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

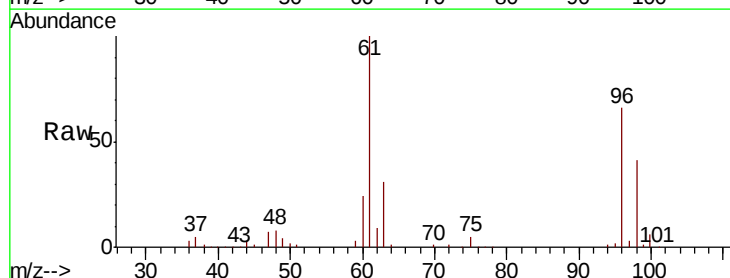
Tgt Ion: 96 Resp: 112964

Ion Ratio Lower Upper

96 100

61 154.8 0.0 451.3

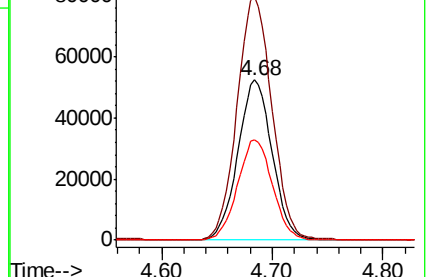
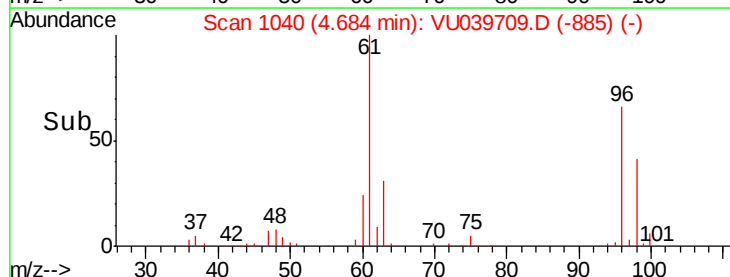
98 63.8 32.6 98.0

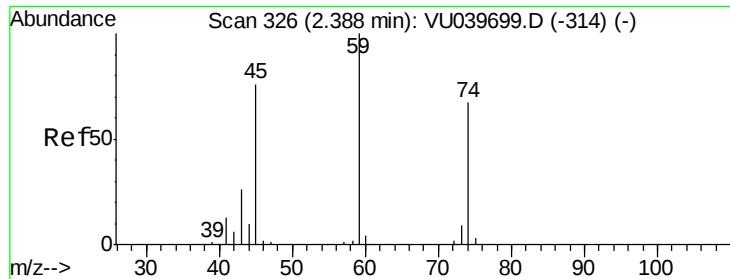


Abundance Ion 96.00 (95.70 to 96.70): VU039709.D (-885) (-)

Ion 61.00 (60.70 to 61.70): VU039709.D (-885) (-)

Ion 98.00 (97.70 to 98.70): VU039709.D (-885) (-)

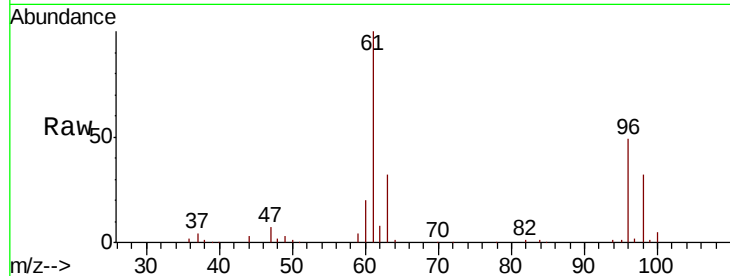




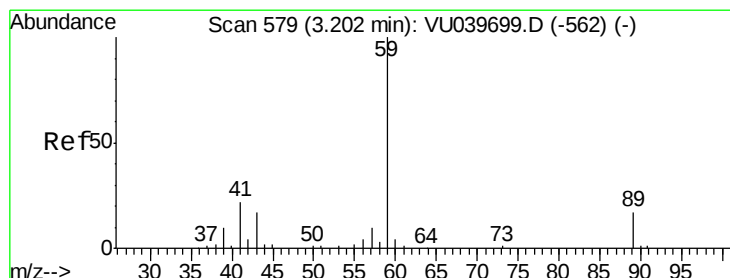
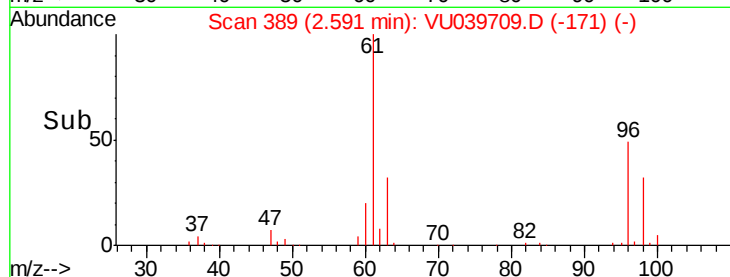
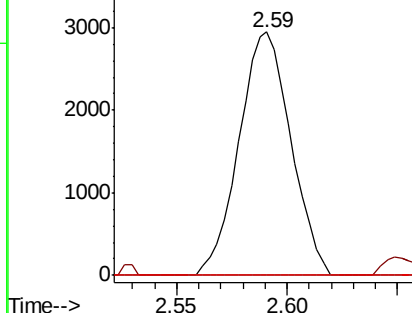
#23  
Diethyl Ether  
Concen: 0.792 ug/l  
RT: 2.59 min Scan# 389  
Delta R.T. 0.20 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

Instrument :  
MSVOA\_U  
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PT-RVOA-WS

Tot Ion: 59 Resp: 4808  
Ion Ratio Lower Upper  
59 100  
45 6.5 61.5 92.3#  
74 0.0 54.3 81.5#

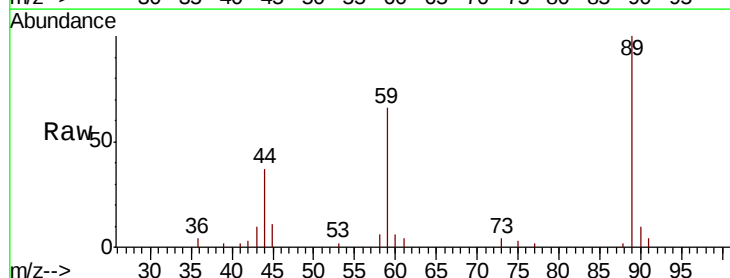


Abundance Ion 59.00 (58.70 to 59.70): VU0  
Ion 45.00 (44.70 to 45.70): VU0  
Ion 74.00 (73.70 to 74.70): VU0

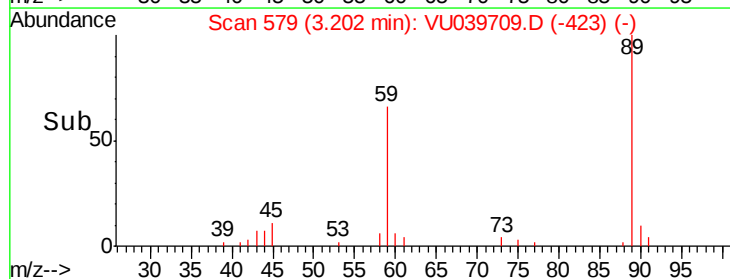
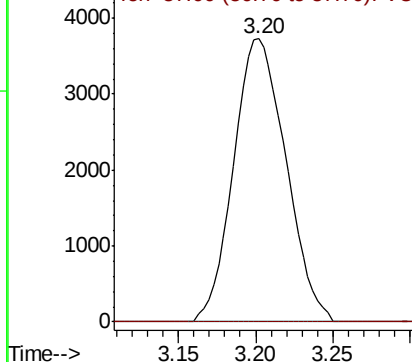


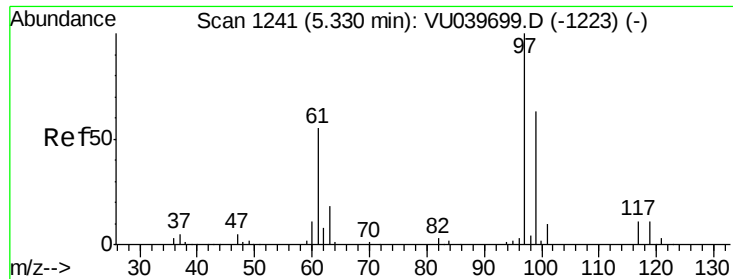
#24  
tert-Butyl Alcohol  
Concen: 4.149 ug/l  
RT: 3.20 min Scan# 579  
Delta R.T. 0.00 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

Tgt Ion: 59 Resp: 8771  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VU0  
Ion 57.00 (56.70 to 57.70): VU0

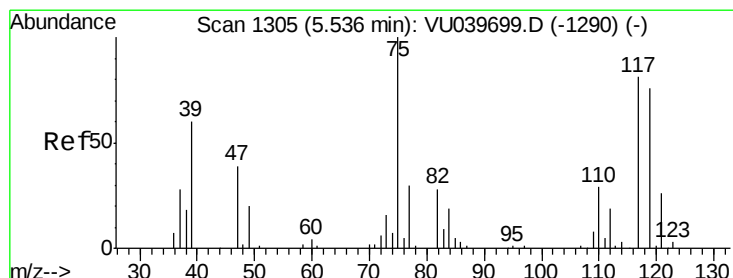
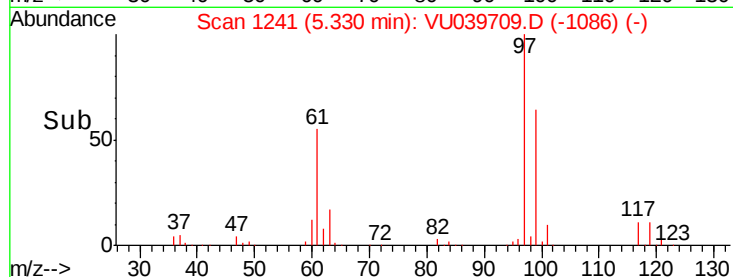
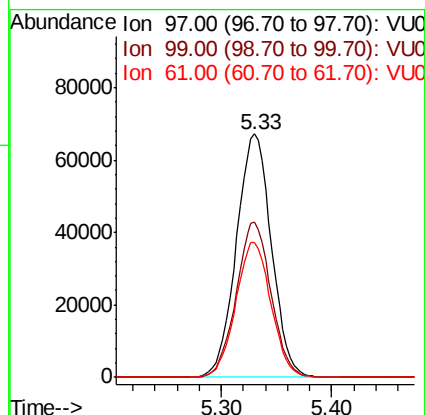
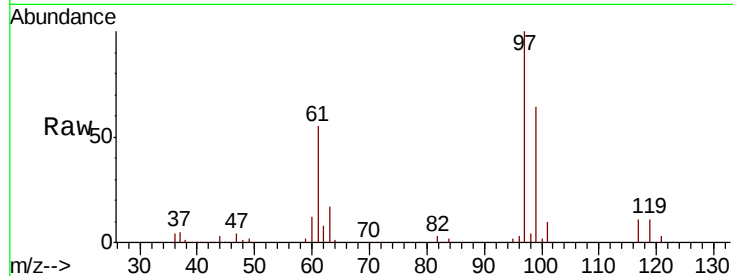




#28  
 1,1,1-Trichloroethane  
 Concen: 13.184 ug/l  
 RT: 5.33 min Scan# 1241  
 Delta R.T. -0.00 min  
 Lab File: VU039709.D  
 Acq: 29 Jul 2020 17:54

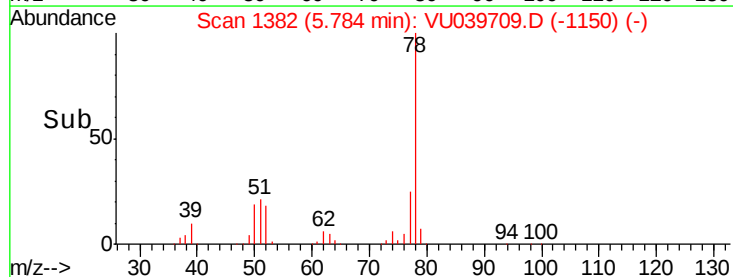
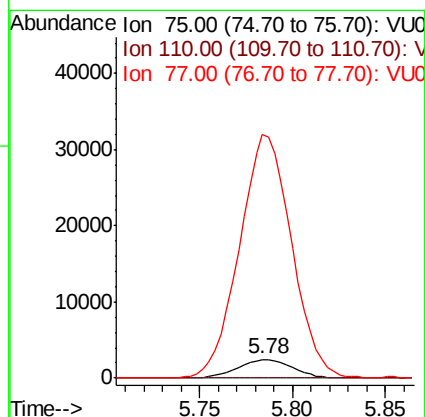
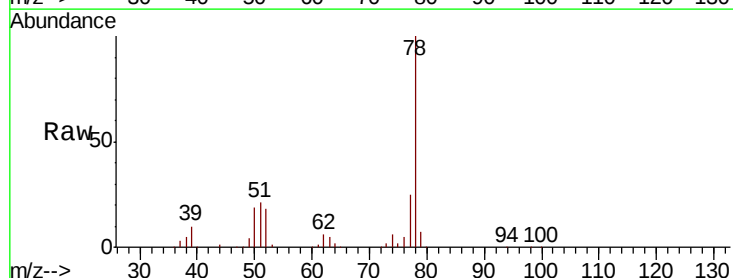
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-RVOA-WS

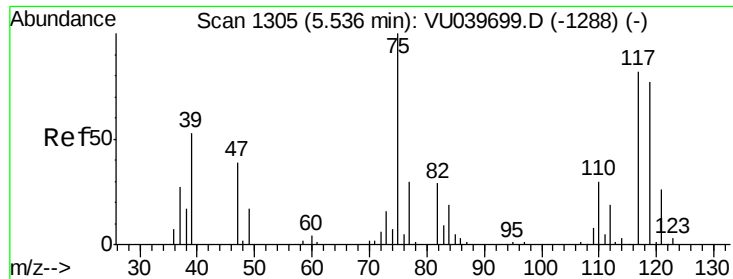
Tot Ion: 97 Resp: 147958  
 Ion Ratio Lower Upper  
 97 100  
 99 63.4 32.2 96.6  
 61 55.6 28.3 85.0



#29  
 1,1-Dichloropropene  
 Concen: 0.456 ug/l  
 RT: 5.78 min Scan# 1382  
 Delta R.T. 0.25 min  
 Lab File: VU039709.D  
 Acq: 29 Jul 2020 17:54

Tgt Ion: 75 Resp: 4925  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 14.6 44.0#  
 77 1268.9 25.0 37.4#

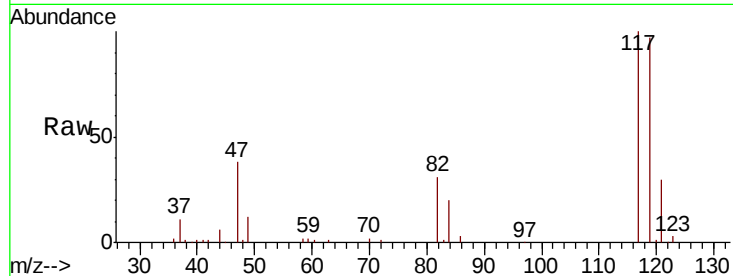




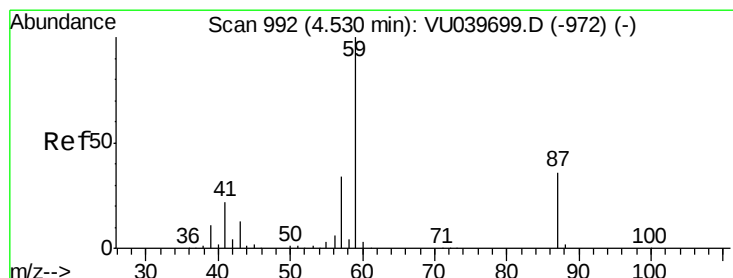
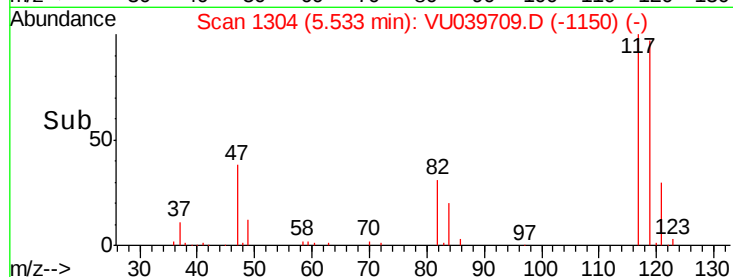
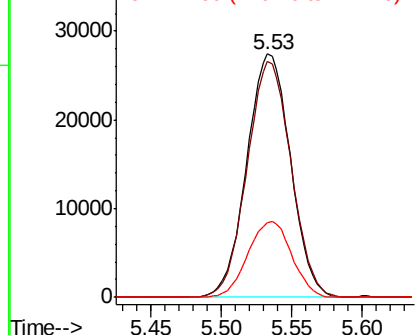
#30  
Carbon Tetrachloride  
Concen: 6.473 ug/l  
RT: 5.53 min Scan# 1304  
Delta R.T. -0.00 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-RVOA-WS

Tot Ion:117 Resp: 59398  
Ion Ratio Lower Upper  
117 100  
119 96.8 75.2 112.8  
121 30.5 25.4 38.2

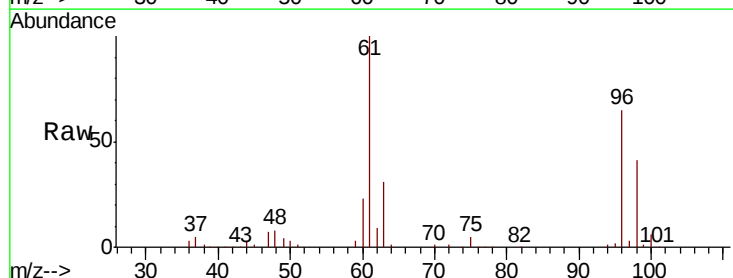


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 119.00 (118.70 to 119.70): V  
Ion 121.00 (120.70 to 121.70): V

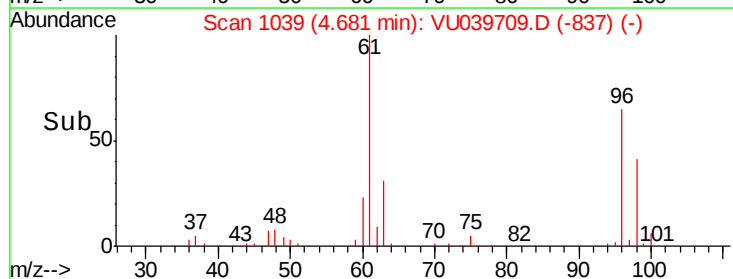
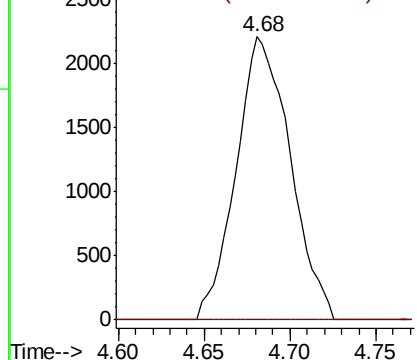


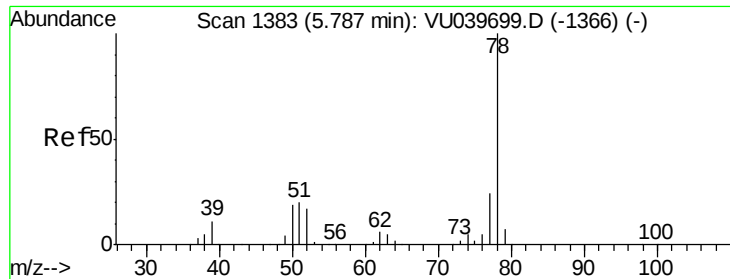
#32  
Ethyl-t-butyl ether  
Concen: 0.210 ug/l  
RT: 4.68 min Scan# 1039  
Delta R.T. 0.15 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

Tgt Ion: 59 Resp: 4829  
Ion Ratio Lower Upper  
59 100  
87 0.0 29.4 44.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0





#35

Benzene

Concen: 9.698 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

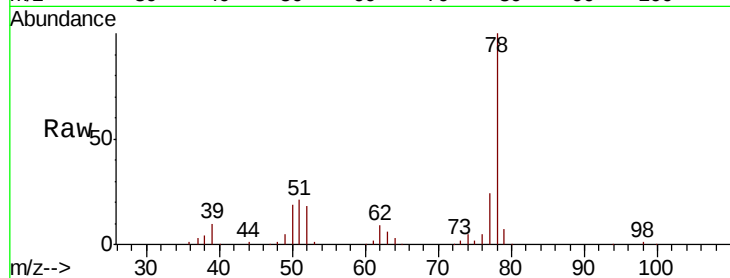
PT-RVOA-WS

Tot Ion: 78 Resp: 259228

Ion Ratio Lower Upper

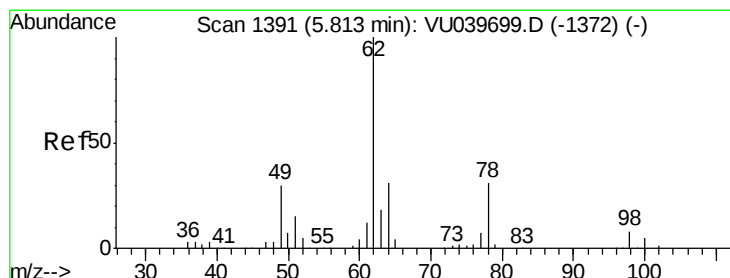
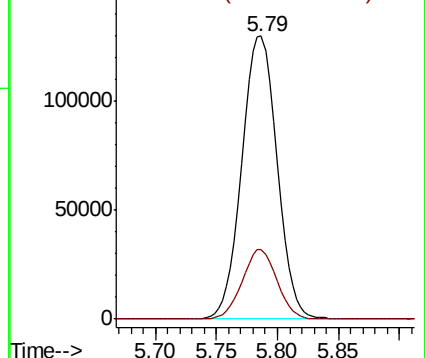
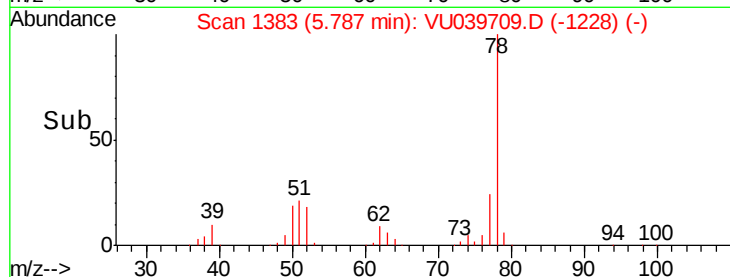
78 100

77 24.5 19.2 28.8



Abundance Ion 78.10 (77.80 to 78.80): VU039709.D (-1228) (-)

Ion 77.00 (76.70 to 77.70): VU039709.D (-1228) (-)



#36

1,2-Dichloroethane

Concen: 13.429 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU039709.D

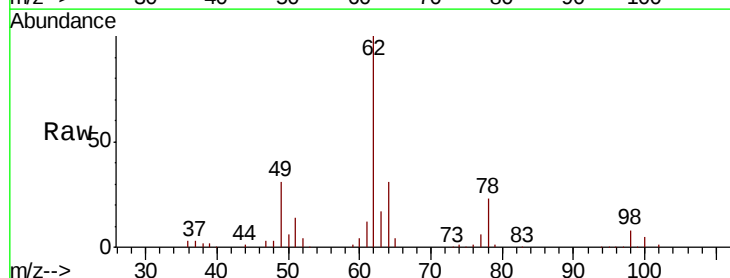
Acq: 29 Jul 2020 17:54

Tgt Ion: 62 Resp: 134565

Ion Ratio Lower Upper

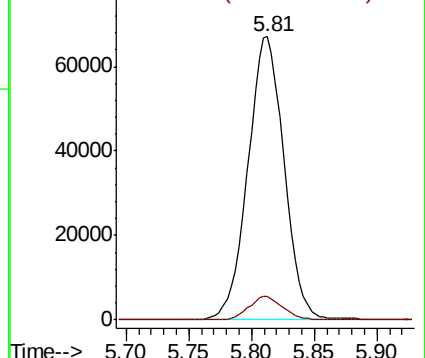
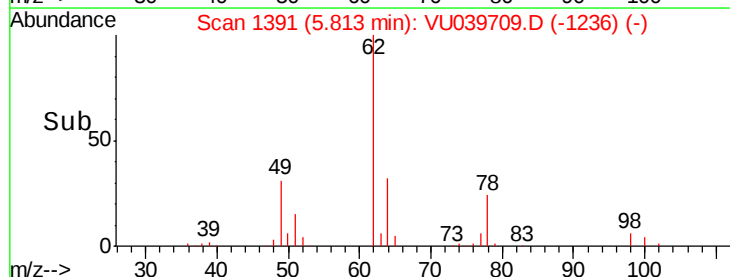
62 100

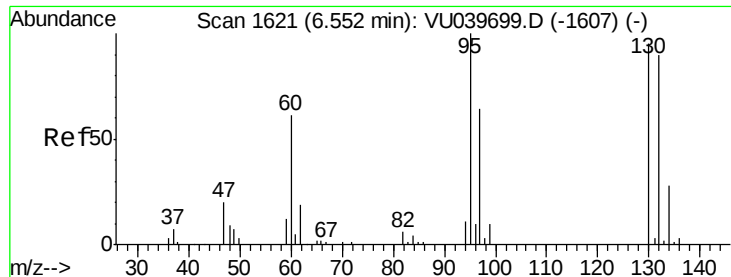
98 7.8 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU039709.D (-1236) (-)

Ion 98.00 (97.70 to 98.70): VU039709.D (-1236) (-)

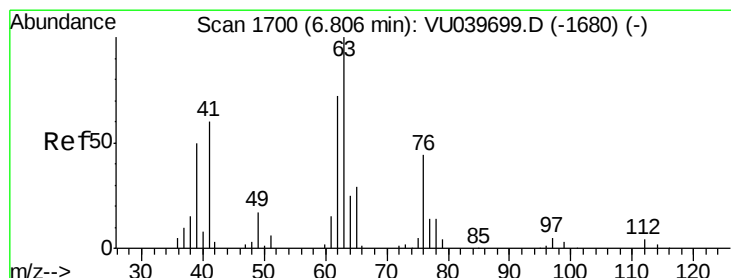
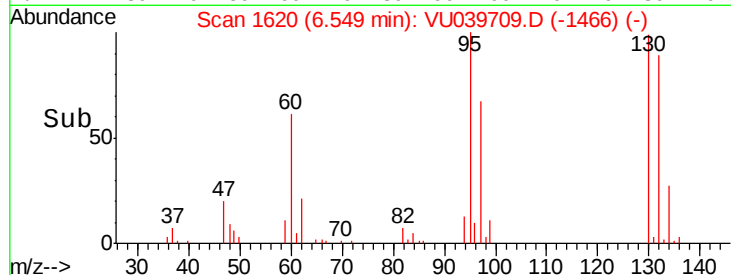
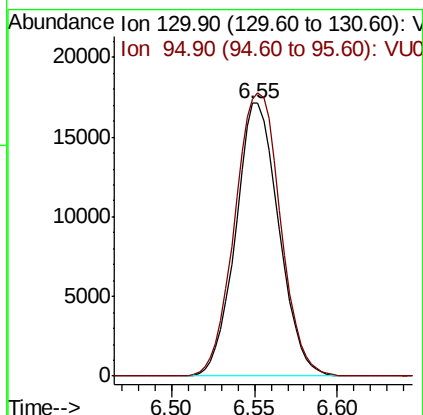
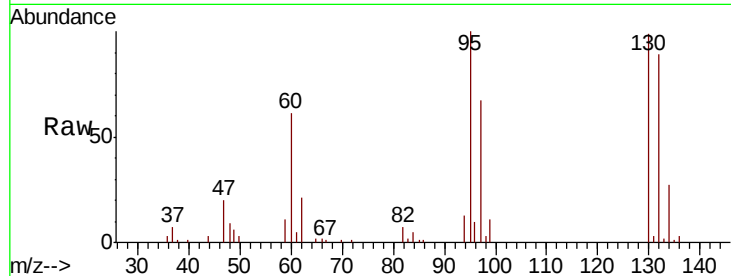




#37  
 Trichloroethene  
 Concen: 5.070 ug/l  
 RT: 6.55 min Scan# 1620  
 Delta R.T. -0.00 min  
 Lab File: VU039709.D  
 Acq: 29 Jul 2020 17:54

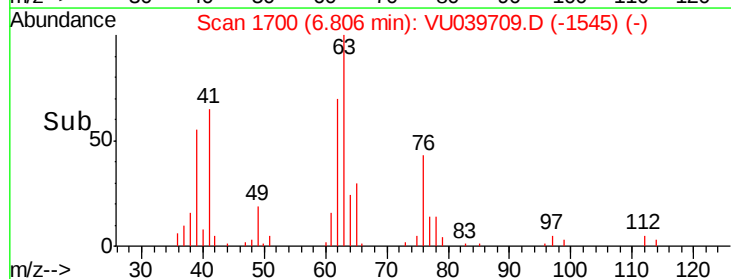
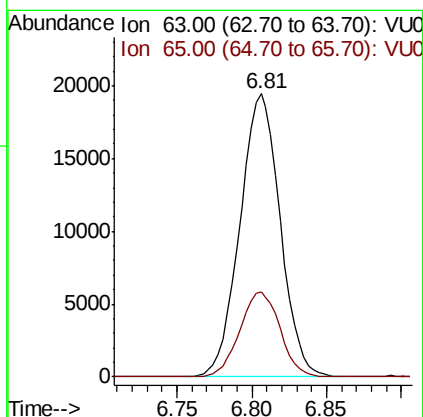
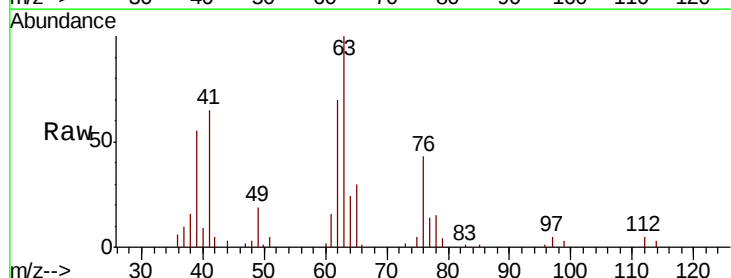
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-RVOA-WS

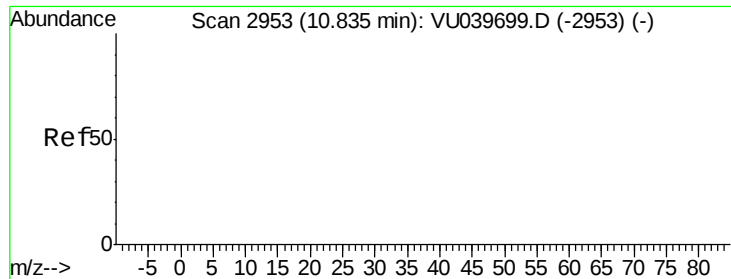
Tot Ion:130 Resp: 31006  
 Ion Ratio Lower Upper  
 130 100  
 95 101.5 84.3 126.5



#38  
 1,2-Dichloropropane  
 Concen: 4.937 ug/l  
 RT: 6.81 min Scan# 1700  
 Delta R.T. -0.00 min  
 Lab File: VU039709.D  
 Acq: 29 Jul 2020 17:54

Tgt Ion: 63 Resp: 36376  
 Ion Ratio Lower Upper  
 63 100  
 65 29.9 23.8 35.6

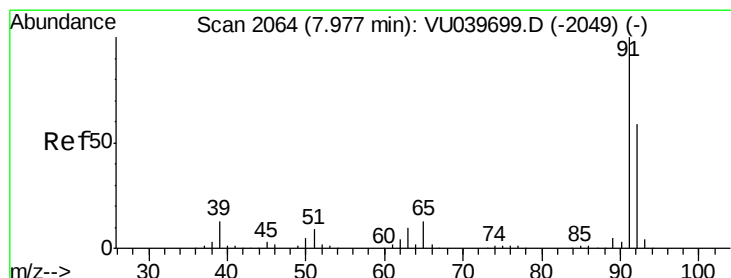
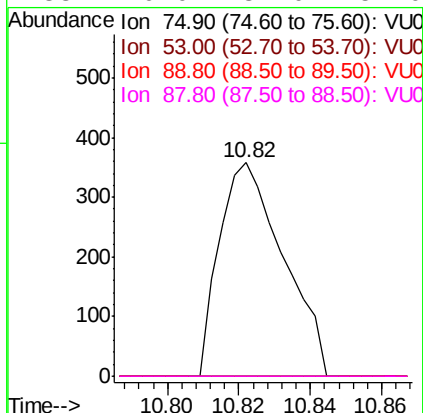
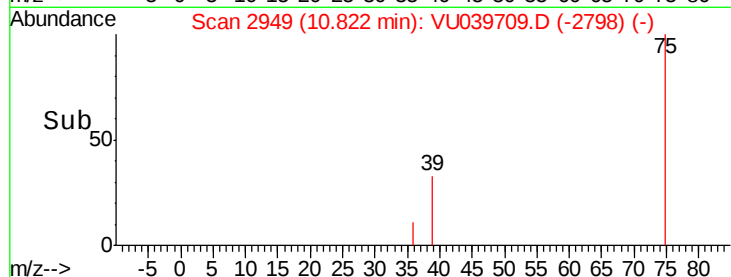
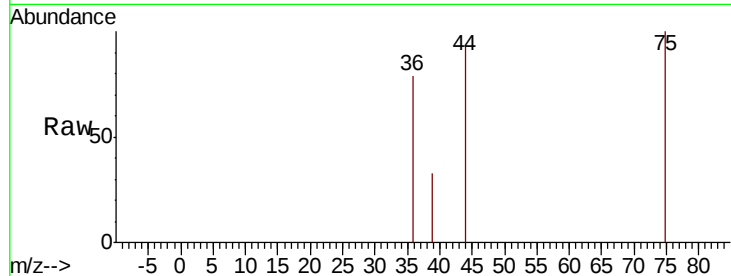




#46  
t-1,4-Dichloro-2-butene  
Concen: 0.248 ug/l  
RT: 10.82 min Scan# 2949  
Delta R.T. -0.01 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

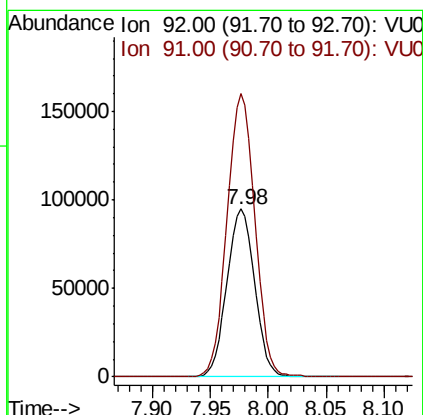
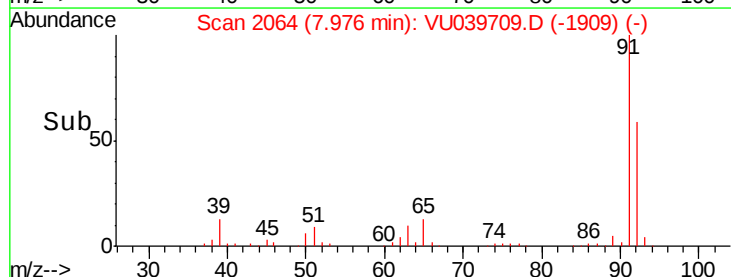
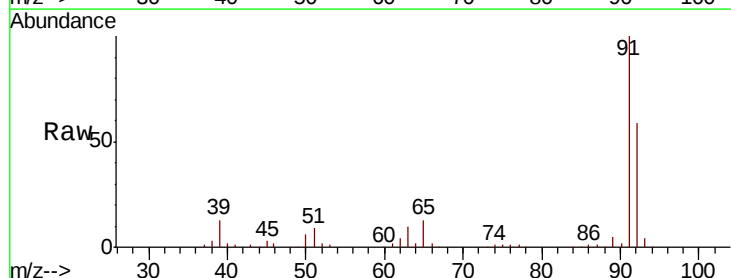
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-RVOA-WS

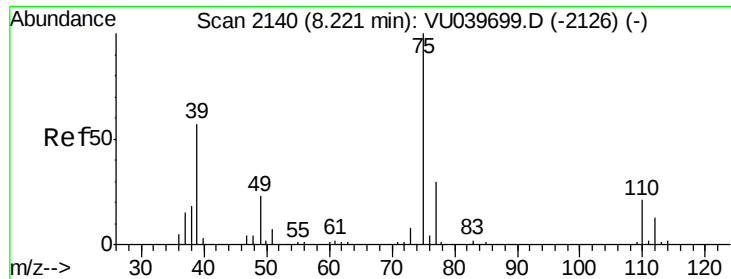
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 75    | Resp: | 443    |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 78.6  | 118.0# |
| 89       | 0.0   | 40.3  | 60.5#  |
| 88       | 0.0   | 34.0  | 51.0#  |



#49  
Toluene  
Concen: 9.881 ug/l  
RT: 7.98 min Scan# 2064  
Delta R.T. -0.00 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 92    | Resp: | 157215 |
| Ion      | Ratio | Lower | Upper  |
| 92       | 100   |       |        |
| 91       | 168.4 | 136.1 | 204.1  |

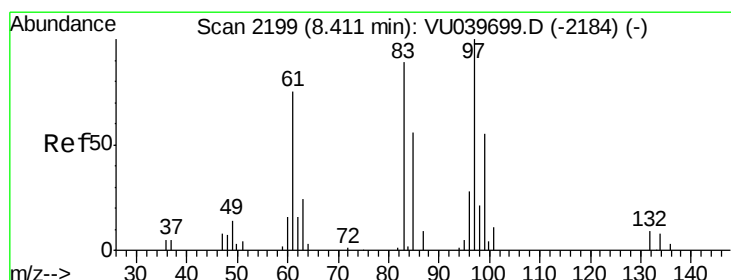
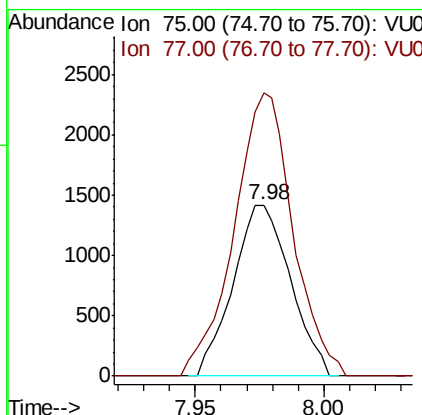
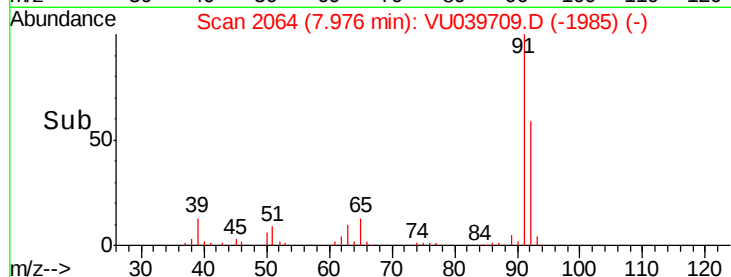
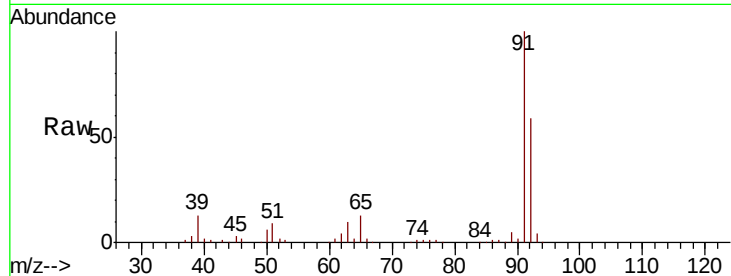




#50  
t-1,3-Dichloropropene  
Concen: 0.269 ug/l  
RT: 7.98 min Scan# 2064  
Delta R.T. -0.24 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

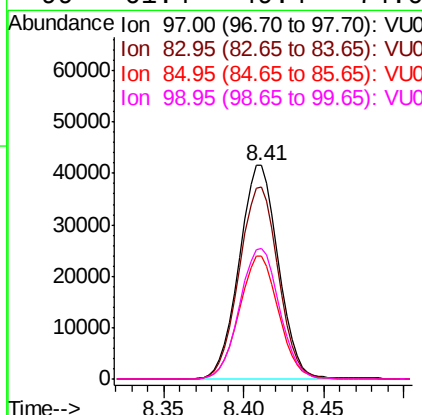
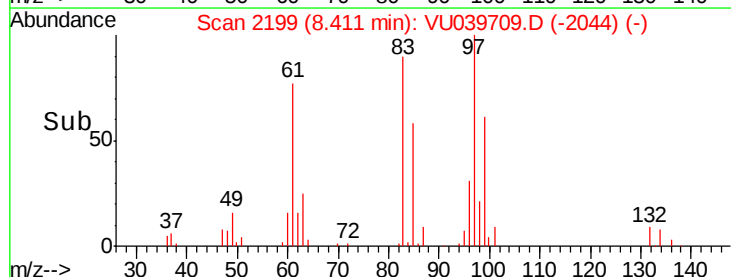
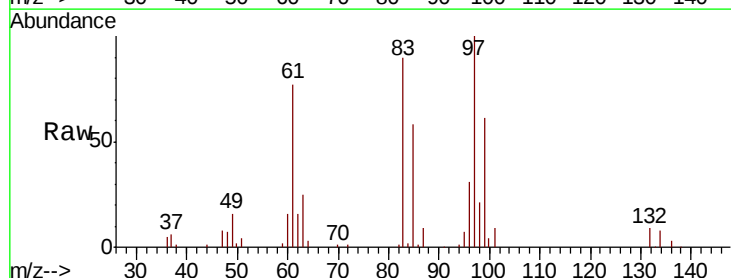
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-RVOA-WS

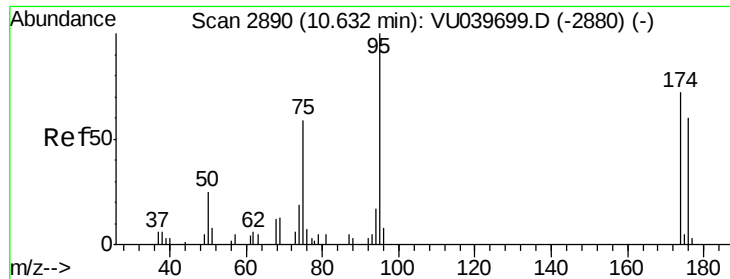
Tot Ion: 75 Resp: 2199  
Ion Ratio Lower Upper  
75 100  
77 157.3 24.3 36.5#



#52  
1,1,2-Trichloroethane  
Concen: 13.500 ug/l  
RT: 8.41 min Scan# 2199  
Delta R.T. -0.00 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

Tgt Ion: 97 Resp: 69542  
Ion Ratio Lower Upper  
97 100  
83 89.9 71.3 106.9  
85 57.7 45.4 68.2  
99 61.4 49.4 74.0

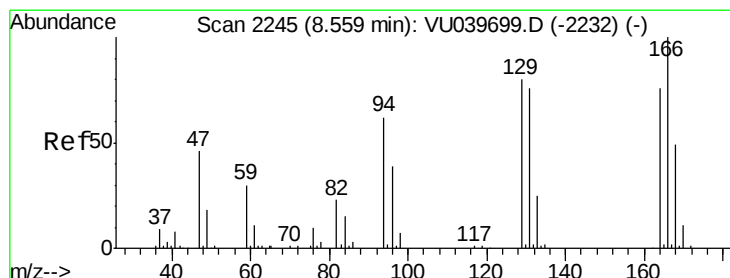
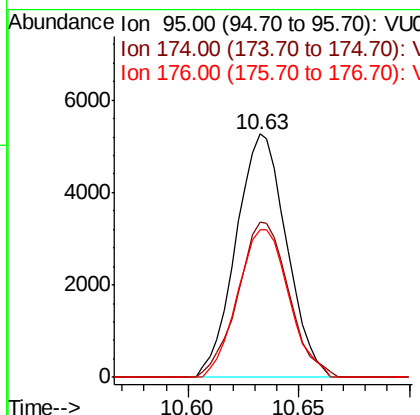
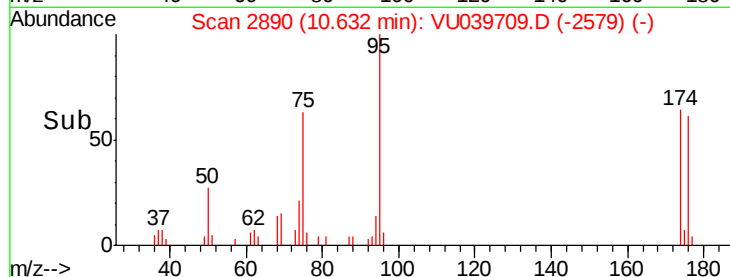
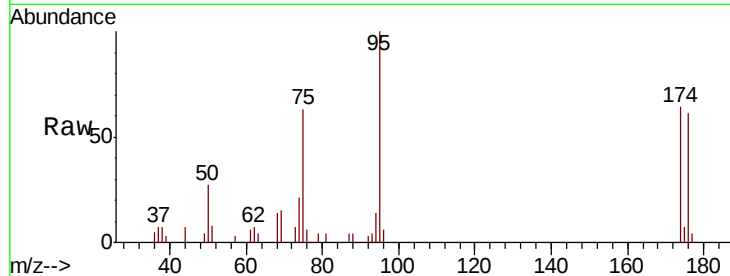




#57  
4-Bromofluorobenzene  
Concen: 1.001 ug/l  
RT: 10.63 min Scan# 2890  
Delta R.T. -0.00 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

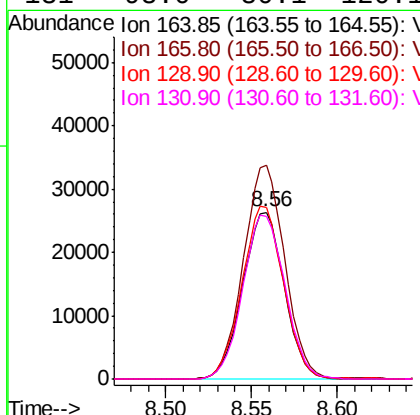
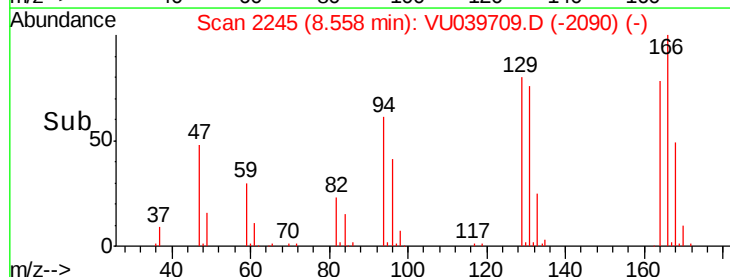
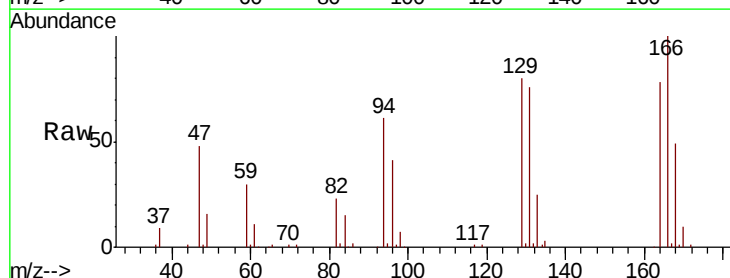
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-RVOA-WS

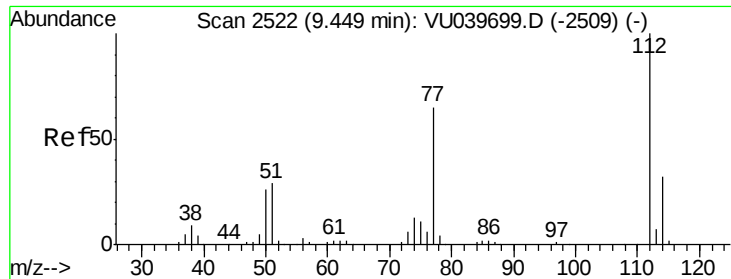
Tot Ion: 95 Resp: 8361  
Ion Ratio Lower Upper  
95 100  
174 64.0 57.0 85.4  
176 61.4 50.2 75.2



#58  
Tetrachloroethene  
Concen: 8.219 ug/l  
RT: 8.56 min Scan# 2245  
Delta R.T. -0.00 min  
Lab File: VU039709.D  
Acq: 29 Jul 2020 17:54

Tgt Ion: 164 Resp: 44005  
Ion Ratio Lower Upper  
164 100  
166 128.3 104.8 157.2  
129 102.7 84.1 126.1  
131 98.0 80.1 120.1





#59

Chlorobenzene

Concen: 15.627 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

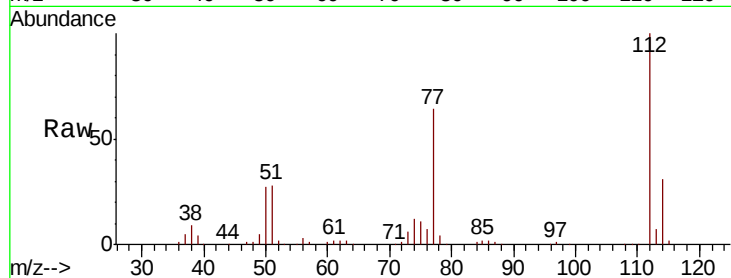
PT-RVOA-WS

Tot Ion:112 Resp: 257124

Ion Ratio Lower Upper

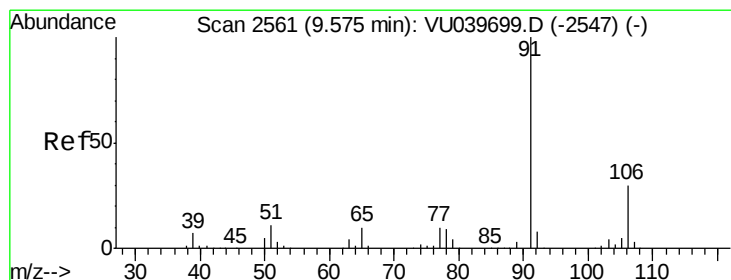
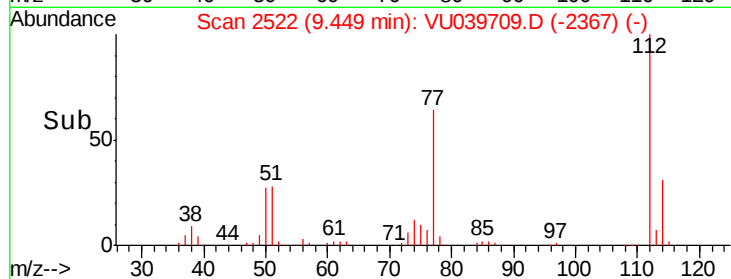
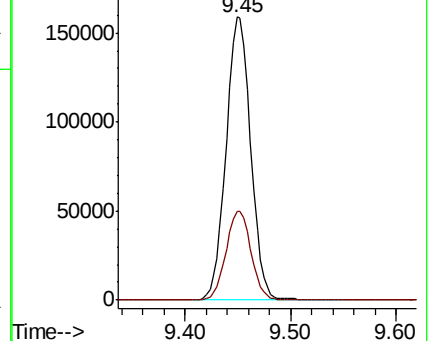
112 100

114 31.5 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#63

Ethyl Benzene

Concen: 7.974 ug/l

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039709.D

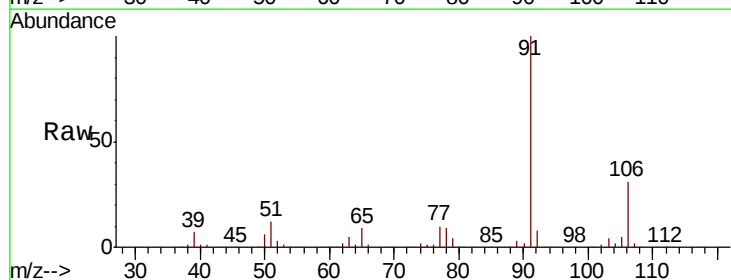
Acq: 29 Jul 2020 17:54

Tgt Ion: 91 Resp: 235129

Ion Ratio Lower Upper

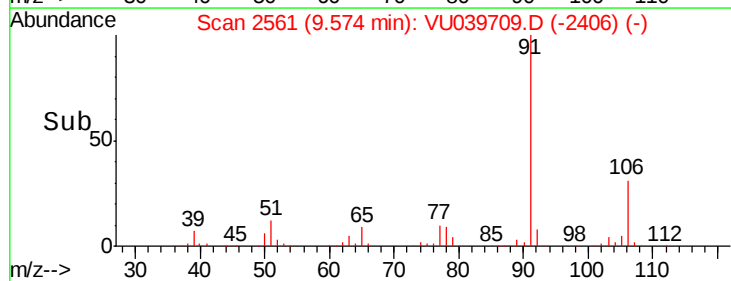
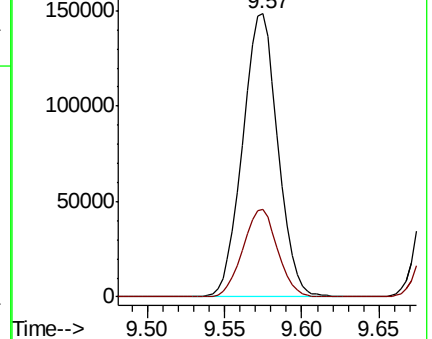
91 100

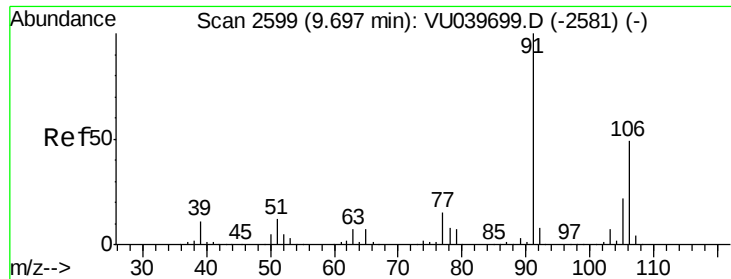
106 31.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#64

m/p-Xvlenes

Concen: 19.234 ug/l

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

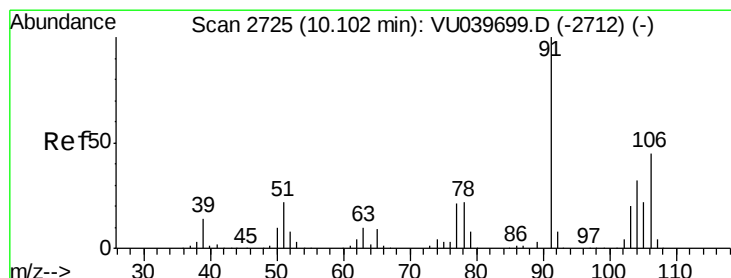
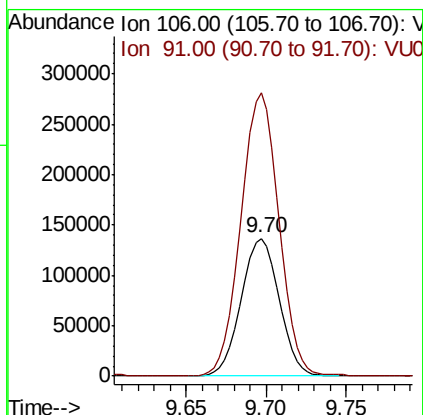
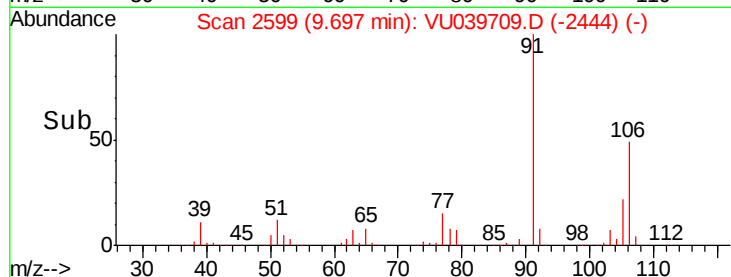
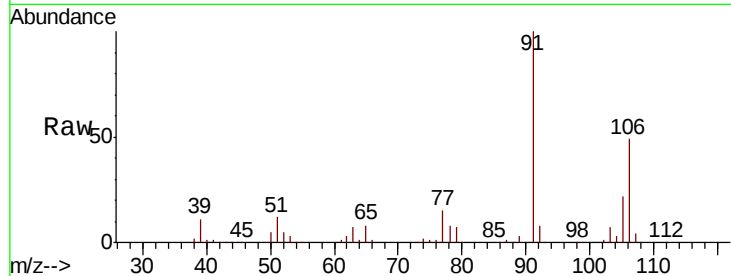
PT-RVOA-WS

Tot Ion:106 Resp: 221589

Ion Ratio Lower Upper

106 100

91 204.5 163.9 245.9



#65

o-Xylene

Concen: 9.435 ug/l

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039709.D

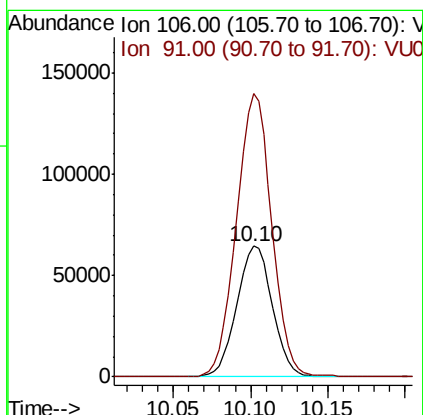
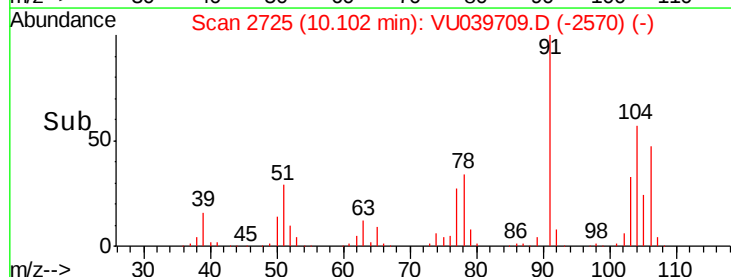
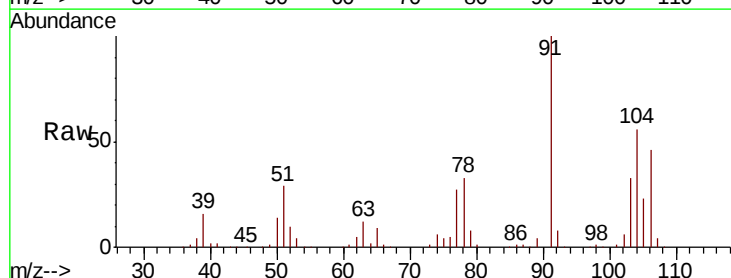
Acq: 29 Jul 2020 17:54

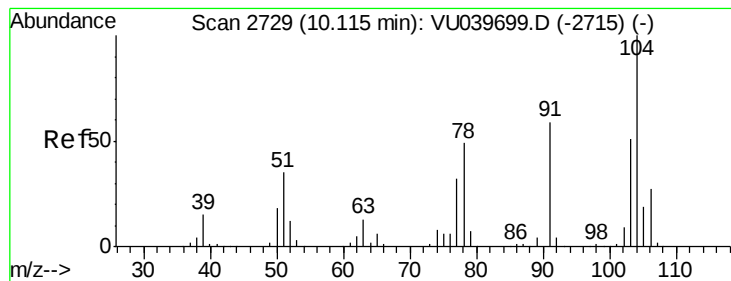
Tgt Ion:106 Resp: 103204

Ion Ratio Lower Upper

106 100

91 215.1 110.3 331.0





#66

Stvrene

Concen: 17.162 ug/l

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

PT-RVOA-WS

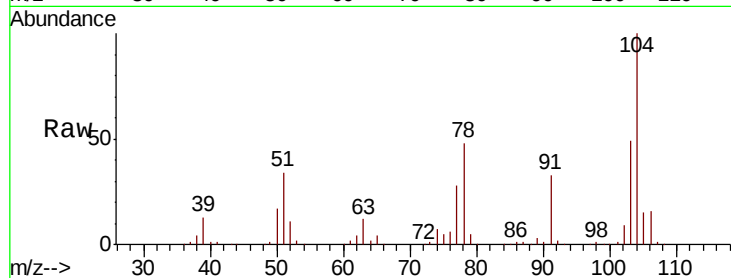
Tot Ion:104 Resp: 321682

Ion Ratio Lower Upper

104 100

78 50.2 42.2 63.4

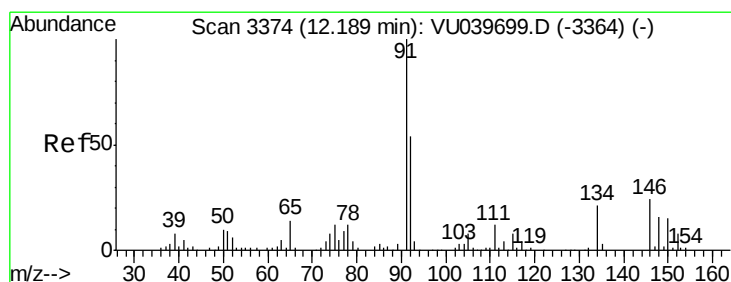
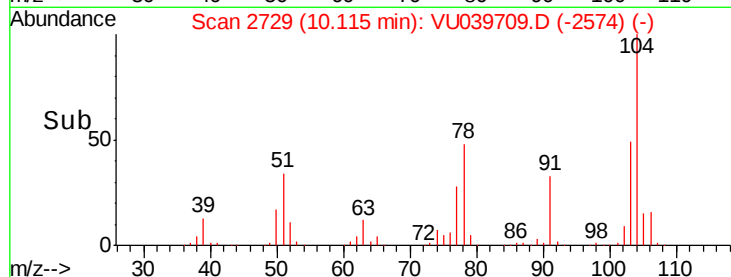
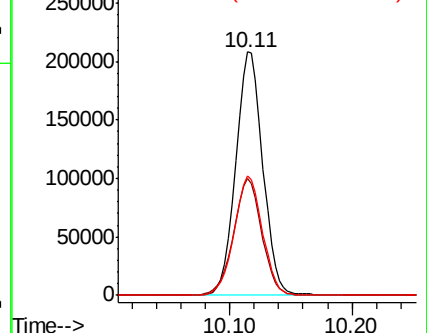
103 51.3 43.4 65.2



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



#68

1,2-Dichlorobenzene-d4

Concen: 0.997 ug/l

RT: 12.19 min Scan# 3375

Delta R.T. 0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

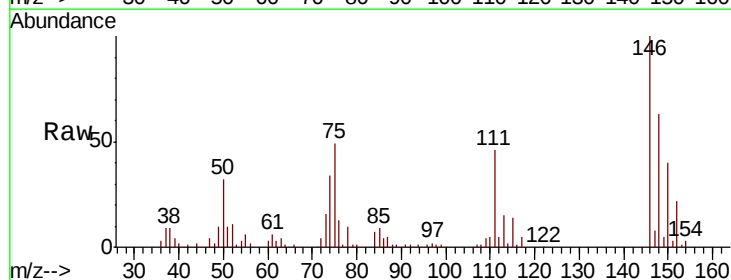
Tgt Ion:152 Resp: 8144

Ion Ratio Lower Upper

152 100

115 66.5 0.0 302.4

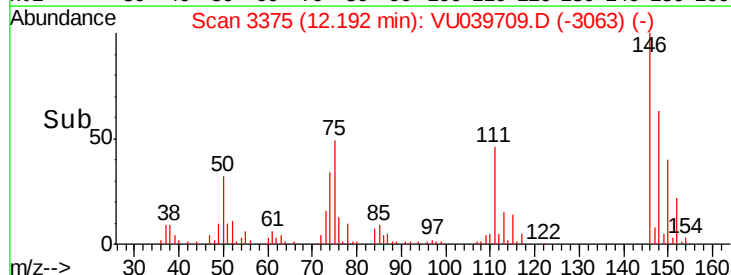
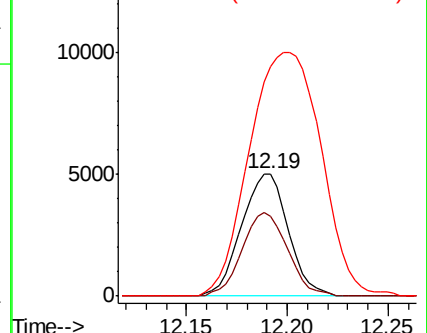
150 304.1 0.0 645.8

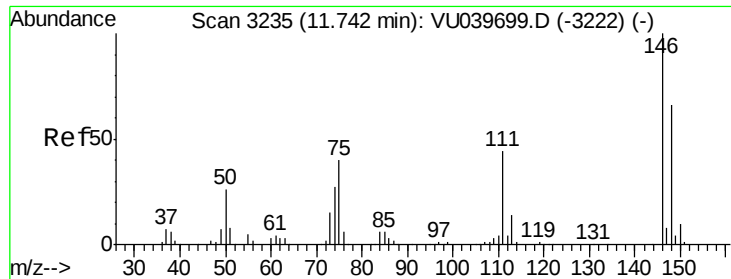


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

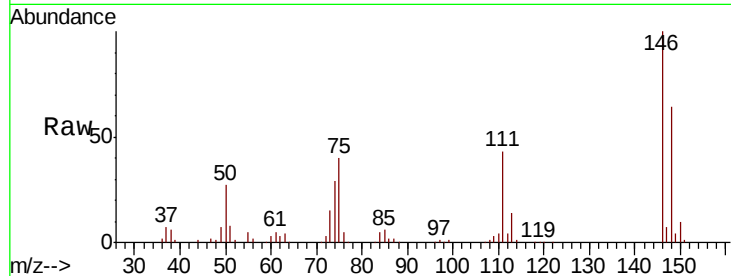




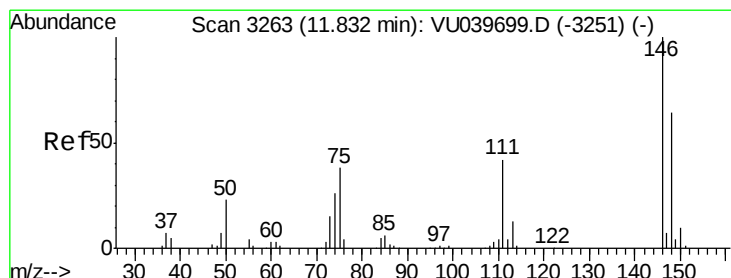
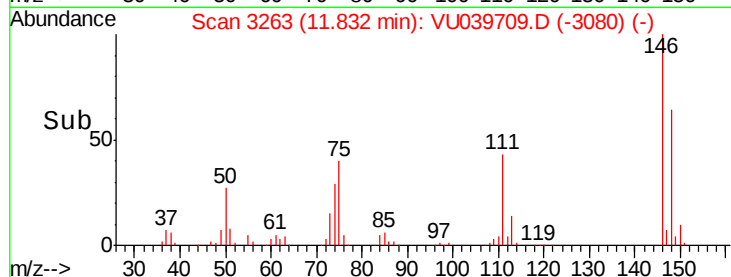
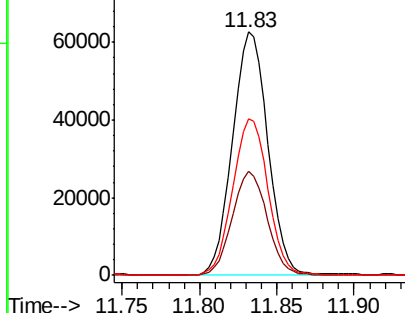
#82  
 1,3-Dichlorobenzene  
 Concen: 6.962 ug/l  
 RT: 11.83 min Scan# 3263  
 Delta R.T. 0.09 min  
 Lab File: VU039709.D  
 Acq: 29 Jul 2020 17:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-RVOA-WS

Tot Ion:146 Resp: 99425  
 Ion Ratio Lower Upper  
 146 100  
 111 42.2 34.5 51.7  
 148 64.5 51.4 77.0

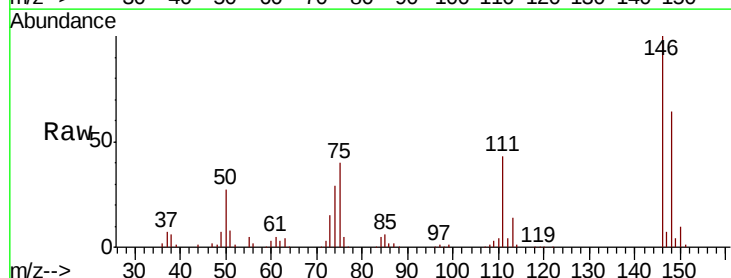


Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

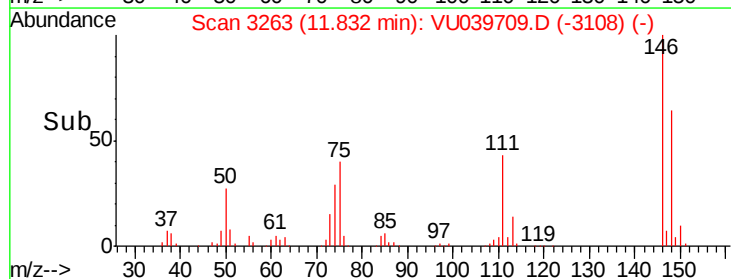
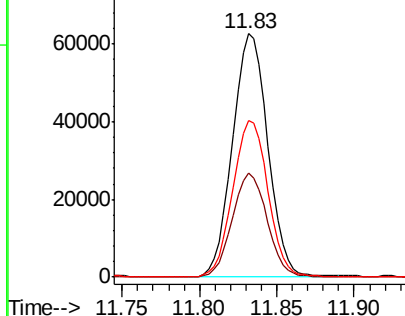


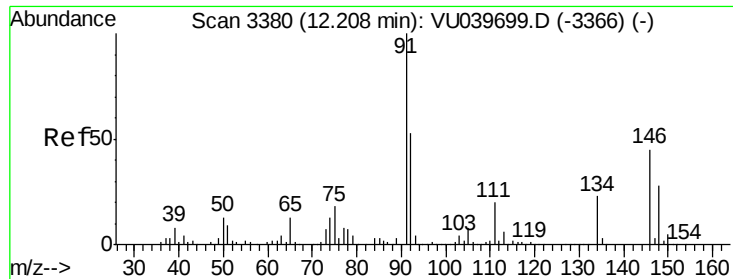
#83  
 1,4-Dichlorobenzene  
 Concen: 6.922 ug/l  
 RT: 11.83 min Scan# 3263  
 Delta R.T. -0.00 min  
 Lab File: VU039709.D  
 Acq: 29 Jul 2020 17:54

Tgt Ion:146 Resp: 99425  
 Ion Ratio Lower Upper  
 146 100  
 111 42.2 33.8 50.6  
 148 64.5 51.1 76.7



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





#85

1,2-Dichlorobenzene

Concen: 9.140 ug/l

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

PT-RVOA-WS

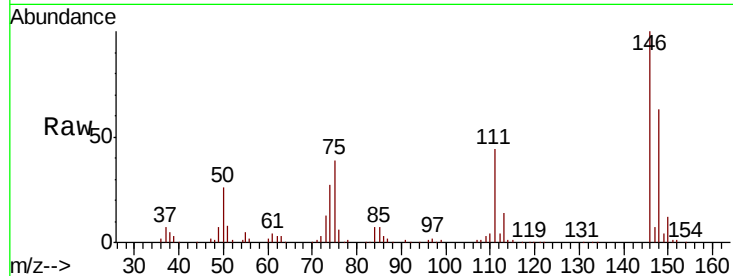
Tot Ion:146 Resp: 125802

Ion Ratio Lower Upper

146 100

111 44.2 22.8 68.3

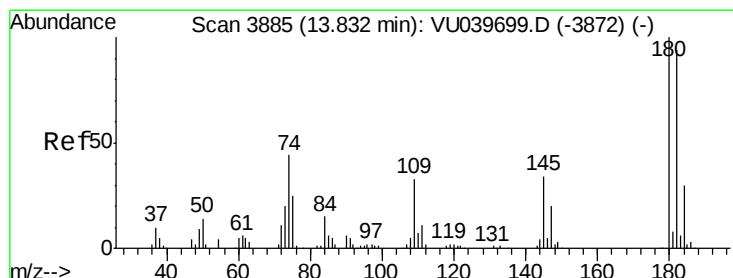
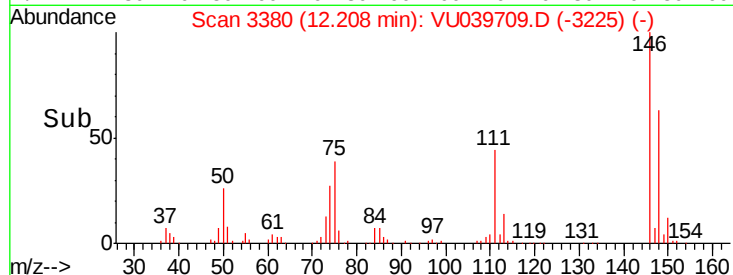
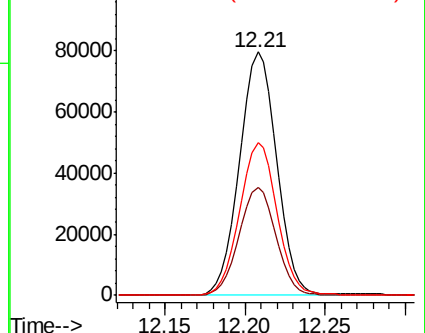
148 63.2 31.7 95.1



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



#87

1,2,4-Trichlorobenzene

Concen: 5.259 ug/l

RT: 13.83 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

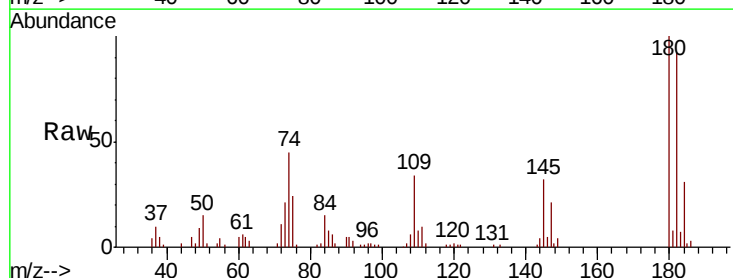
Tgt Ion:180 Resp: 45271

Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

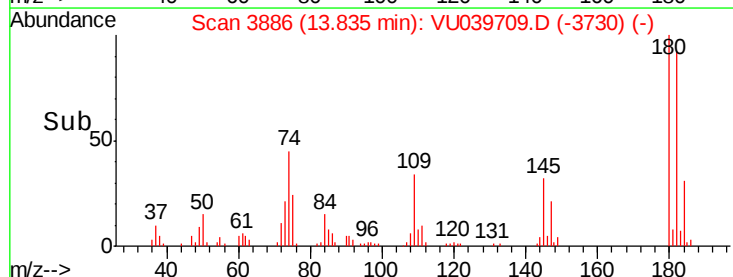
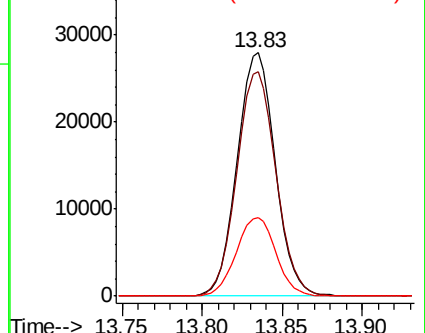
145 33.4 26.8 40.2

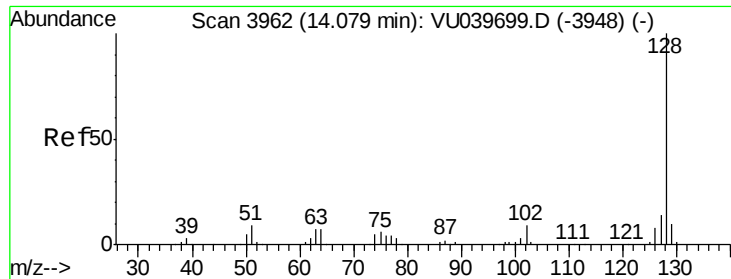


Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#89

Naphthalene

Concen: 0.503 ug/l

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

Instrument :

MSVOA\_U

ClientSampleId :

PT-RVOA-WS

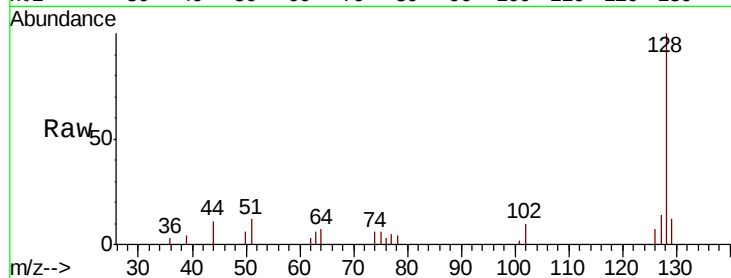
Tot Ion:128 Resp: 9257

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.4

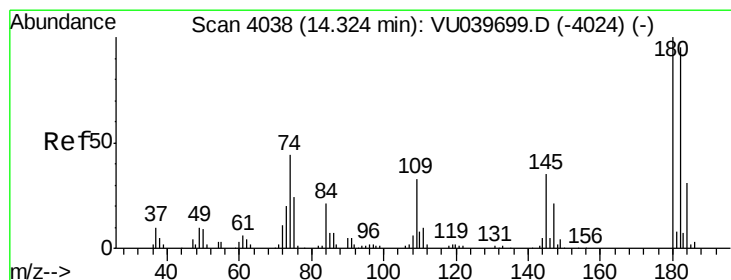
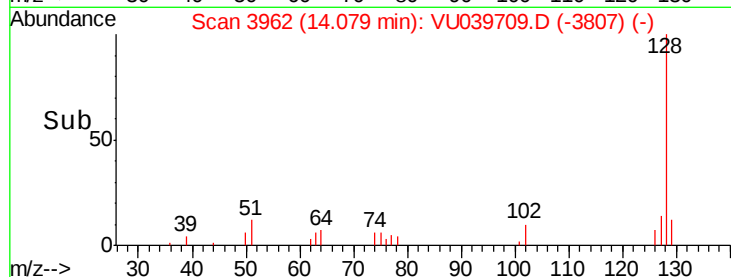
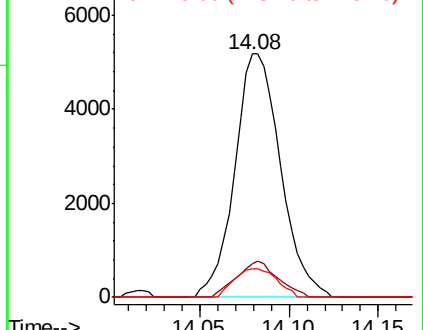
129 10.9 8.4 12.6



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: 0.358 ug/l

RT: 14.33 min Scan# 4039

Delta R.T. 0.00 min

Lab File: VU039709.D

Acq: 29 Jul 2020 17:54

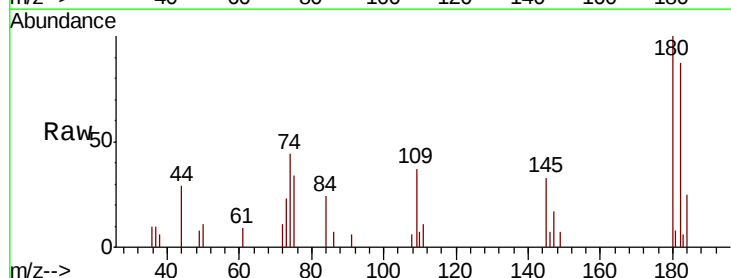
Tgt Ion:180 Resp: 2906

Ion Ratio Lower Upper

180 100

182 90.2 76.0 114.0

145 33.5 27.8 41.6



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

