

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072623\  
 Data File : VU054887.D  
 Acq On : 26 Jul 2023 19:46  
 Operator : MD/SY  
 Sample : 03587-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 28 03:25:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U072523DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Jul 26 09:45:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|------|----------|--------|----------|----------|
| -----                         |        |      |          |        |          |          |
| Internal Standards            |        |      |          |        |          |          |
| 1) Fluorobenzene              | 6.113  | 96   | 26315    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds   |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene      | 10.631 | 95   | 8264     | 1.036  | ug/l     | 0.00     |
| Spiked Amount 1.000           |        |      | Recovery | =      | 104.000% |          |
| 68) 1,2-Dichlorobenzene-d4    | 12.193 | 152  | 10426    | 1.156  | ug/l     | 0.00     |
| Spiked Amount 1.000           |        |      | Recovery | =      | 116.000% |          |
| Target Compounds              |        |      |          |        |          |          |
|                               |        |      |          |        |          | Qvalue   |
| 3) Chloromethane              | 1.518  | 50   | 419519   | 74.526 | ug/l     | 98       |
| 5) Bromomethane               | 1.862  | 94   | 1595     | 0.267  | ug/l     | # 76     |
| 6) Chloroethane               | 1.930  | 64   | 171807   | 22.111 | ug/l     | 98       |
| 12) Acrylonitrile             | 3.364  | 53   | 7378     | 6.471  | ug/l     | # 28     |
| 13) Acetone                   | 2.634  | 43   | 363      | 0.305  | ug/l     | # 37     |
| 15) Methylene Chloride        | 3.042  | 84   | 12725    | 2.154  | ug/l     | 96       |
| 17) 1,1-Dichloroethane        | 3.866  | 63   | 231814   | 20.956 | ug/l     | 97       |
| 21) 2,2-Dichloropropane       | 4.660  | 77   | 44154    | 4.306  | ug/l     | 98       |
| 24) tert-Butyl Alcohol        | 3.277  | 59   | 295      | 0.473  | ug/l     | # 92     |
| 25) Methyl tert-Butyl Ether   | 3.361  | 73   | 749836   | 53.336 | ug/l     | 97       |
| 26) Bromochloromethane        | 4.972  | 128  | 32520    | 12.064 | ug/l     | 98       |
| 29) 1,1-Dichloropropene       | 5.521  | 75   | 159806   | 21.114 | ug/l     | 98       |
| 37) Trichloroethene           | 6.541  | 130  | 1350     | 0.212  | ug/l     | 93       |
| 43) Dibromomethane            | 6.917  | 93   | 27504    | 8.740  | ug/l     | 95       |
| 46) t-1,4-Dichloro-2-butene   | 10.779 | 75   | 14921    | 10.099 | ug/l     | # 19     |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 101859   | 13.085 | ug/l     | 98       |
| 51) cis-1,3-Dichloropropene   | 7.605  | 75   | 92343    | 9.651  | ug/l     | 97       |
| 53) 1,3-Dichloropropane       | 8.573  | 76   | 111740   | 13.846 | ug/l     | 97       |
| 60) 1,1,1,2-Tetrachloroethane | 9.531  | 131  | 34859    | 5.389  | ug/l     | 97       |
| 61) Pentachloroethane         | 11.418 | 117  | 11129    | 2.202  | ug/l     | # 12     |
| 62) Hexachloroethane          | 12.473 | 117  | 1224     | 0.236  | ug/l     | # 80     |
| 69) Isopropylbenzene          | 10.479 | 105  | 557710   | 17.583 | ug/l     | 98       |
| 70) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 44460    | 7.200  | ug/l     | 96       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 66984    | 15.229 | ug/l     | # 97     |
| 72) Bromobenzene              | 10.779 | 156  | 115775   | 16.394 | ug/l     | 99       |
| 73) n-propylbenzene           | 10.901 | 120  | 46672    | 5.498  | ug/l     | 100      |
| 74) 2-Chlorotoluene           | 10.981 | 126  | 110049   | 14.975 | ug/l     | 98       |
| 75) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 189867   | 7.392  | ug/l     | 100      |
| 76) 4-Chlorotoluene           | 11.094 | 126  | 101909   | 13.348 | ug/l     | 95       |
| 77) tert-Butylbenzene         | 11.415 | 119  | 276770   | 10.361 | ug/l     | 93       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 348009   | 13.234 | ug/l     | 98       |
| 79) sec-Butylbenzene          | 11.640 | 105  | 108921   | 3.137  | ug/l     | 99       |
| 80) Nitrobenzene              | 13.013 | 77   | 45       | 0.277  | ug/l     | # 39     |
| 81) p-Isopropyltoluene        | 11.788 | 119  | 330988   | 12.077 | ug/l     | 99       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 305360   | 20.310 | ug/l     | 100      |
| 83) 1,4-Dichlorobenzene       | 11.743 | 146  | 305360   | 20.375 | ug/l     | 99       |
| 84) n-Butylbenzene            | 12.206 | 91   | 207722   | 8.438  | ug/l     | 98       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 159193   | 32.472 | ug/l     | 99       |
| 89) Naphthalene               | 14.084 | 128  | 159979   | 11.239 | ug/l     | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 279675   | 34.292 | ug/l     | 98       |
| -----                         |        |      |          |        |          |          |

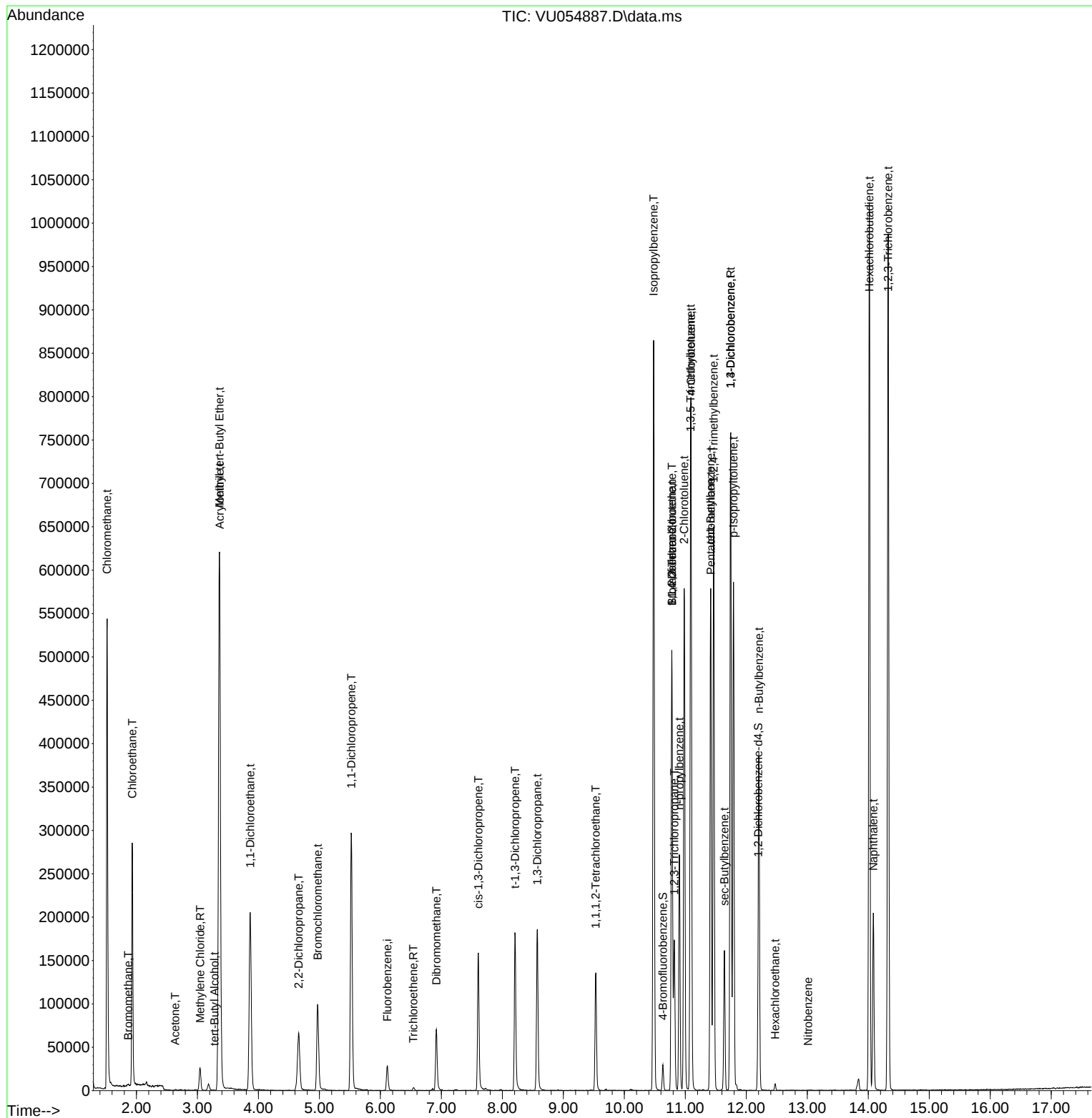
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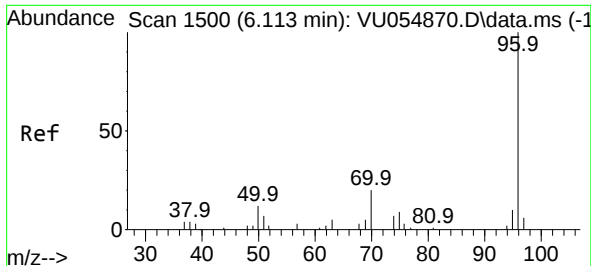
**Instrument :**  
MSVOA\_U  
**ClientSampleId :**  
PT-UNRVOA-WS

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Quant Time: Jul 28 03:25:42 2023  
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Wed Jul 26 09:45:35 2023  
Response via : Initial Calibration

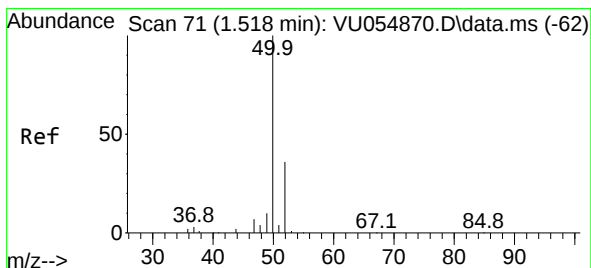
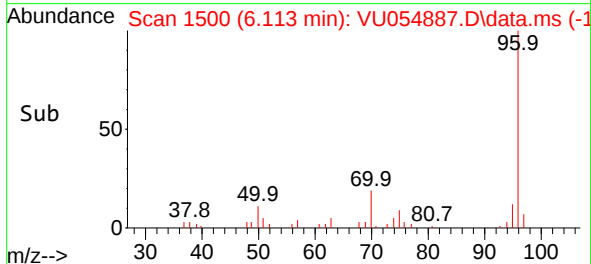
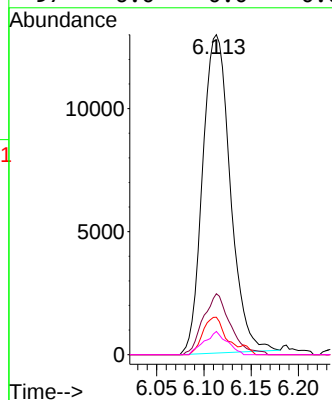
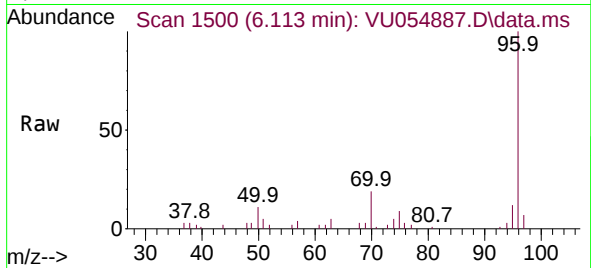




#1  
Fluorobenzene  
Concen: 1.000 ug/l  
RT: 6.113 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
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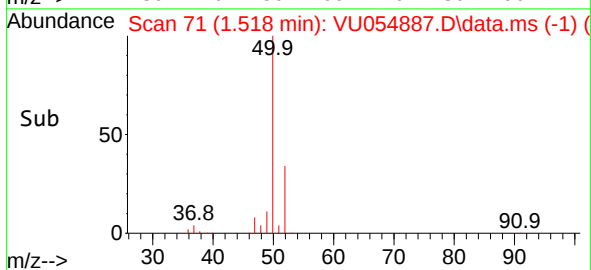
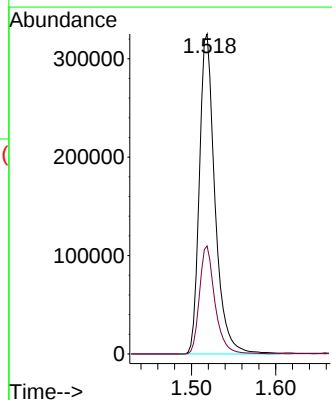
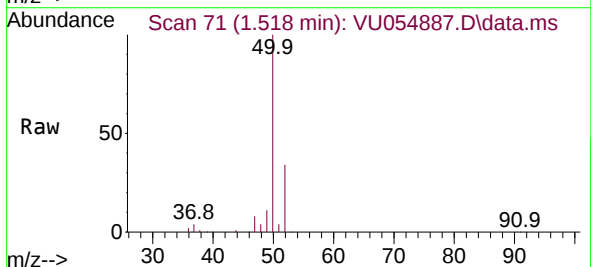
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WS

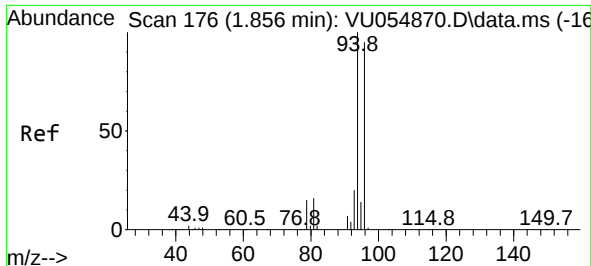
|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 26315 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 70 18.7     | 14.0 21.0   |
| 95 7.8      | 8.7 13.1#   |
| 97 6.0      | 0.0 0.0#    |



#3  
Chloromethane  
Concen: 74.526 ug/l  
RT: 1.518 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

|             |              |
|-------------|--------------|
| Tgt Ion: 50 | Resp: 419519 |
| Ion Ratio   | Lower Upper  |
| 50 100      |              |
| 52 33.7     | 28.2 42.2    |

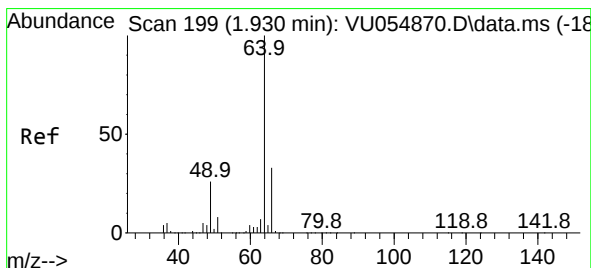
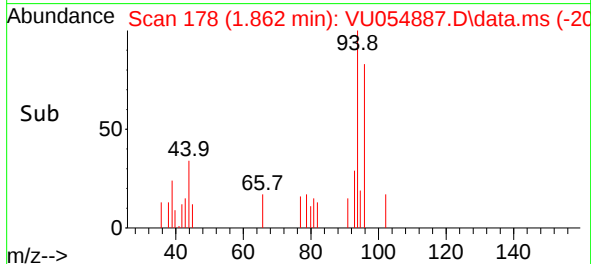
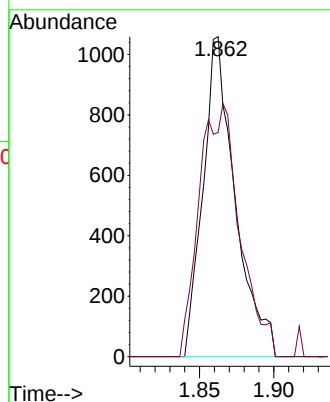
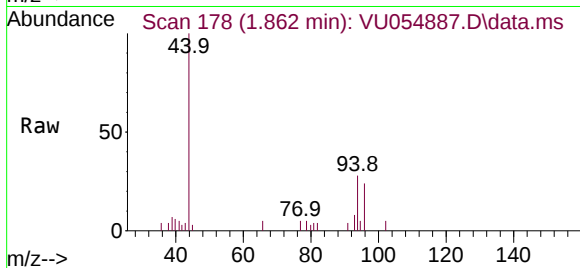




#5  
Bromomethane  
Concen: 0.267 ug/l  
RT: 1.862 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

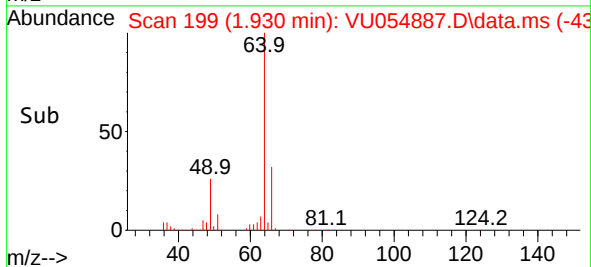
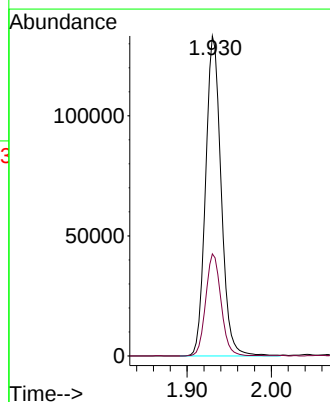
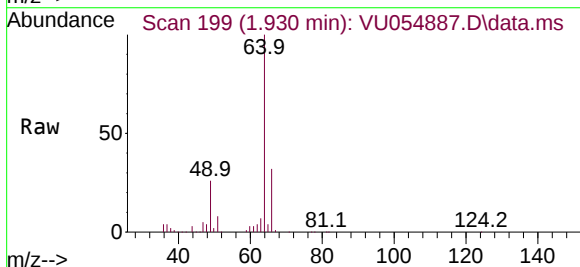
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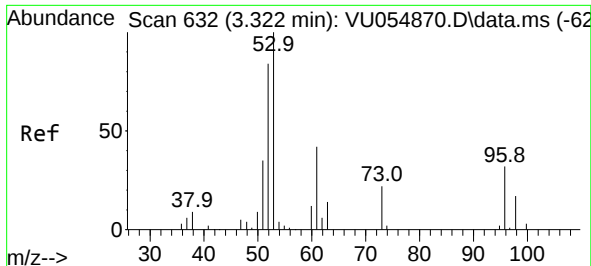
Tgt Ion: 94 Resp: 1595  
Ion Ratio Lower Upper  
94 100  
96 70.1 74.6 111.8#



#6  
Chloroethane  
Concen: 22.111 ug/l  
RT: 1.930 min Scan# 199  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

Tgt Ion: 64 Resp: 171807  
Ion Ratio Lower Upper  
64 100  
66 31.9 26.2 39.4





#12

Acrylonitrile

Concen: 6.471 ug/l

RT: 3.364 min Scan# 64

Delta R.T. 0.042 min

Lab File: VU054887.D

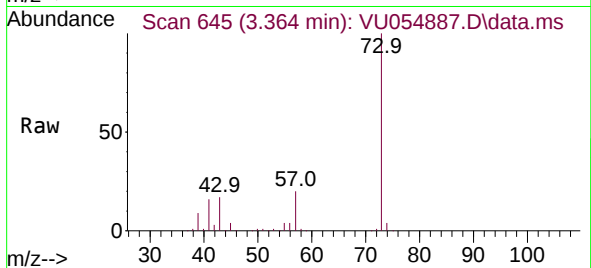
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Instrument :

MSVOA\_U

ClientSampleId :

PT-UNRVOA-WS



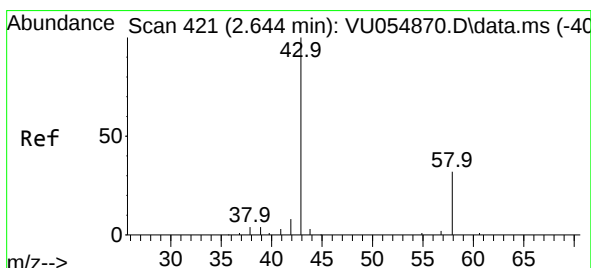
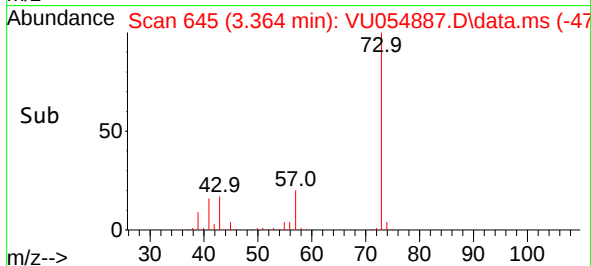
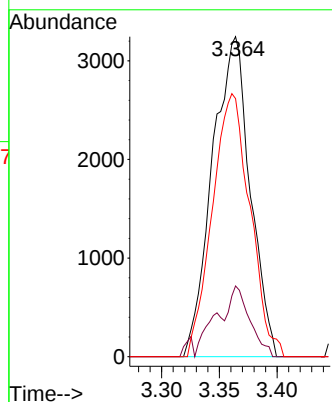
Tgt Ion: 53 Resp: 7378

Ion Ratio Lower Upper

53 100

52 12.1 64.2 96.4#

51 82.0 33.6 50.4#



#13

Acetone

Concen: 0.305 ug/l

RT: 2.634 min Scan# 418

Delta R.T. -0.009 min

Lab File: VU054887.D

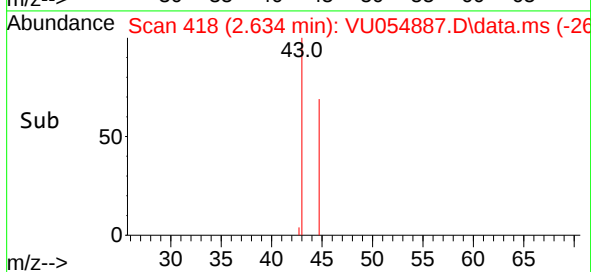
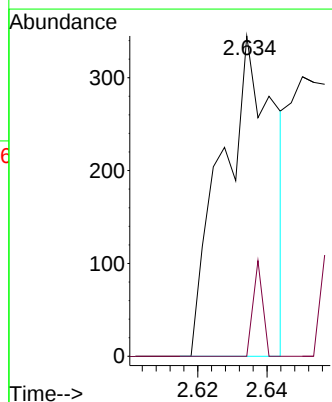
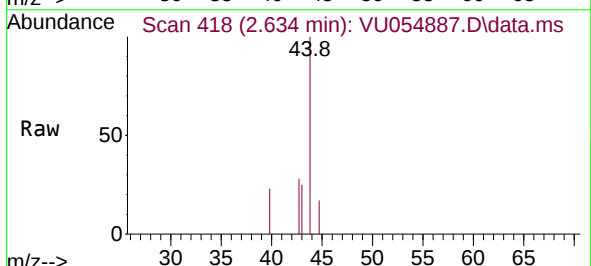
Acq: 26 Jul 2023 19:46

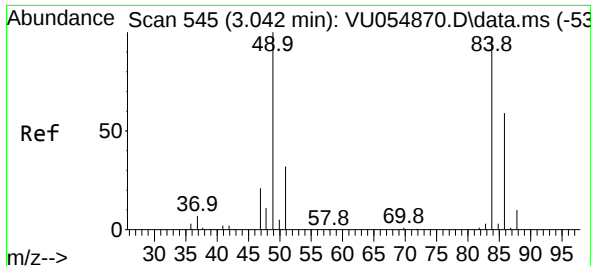
Tgt Ion: 43 Resp: 363

Ion Ratio Lower Upper

43 100

58 0.0 30.7 46.1#

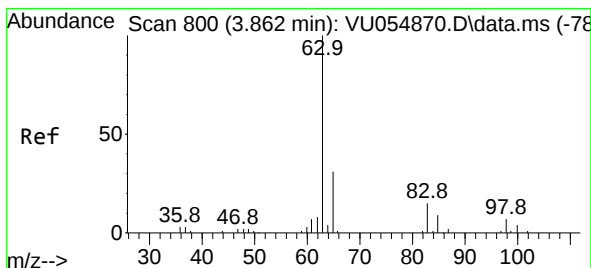
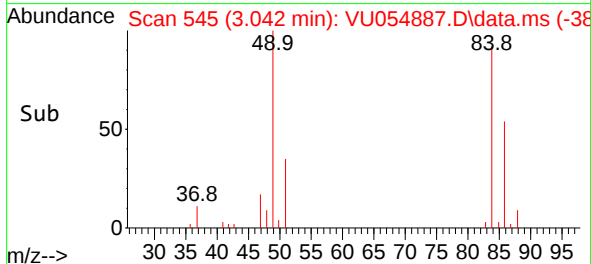
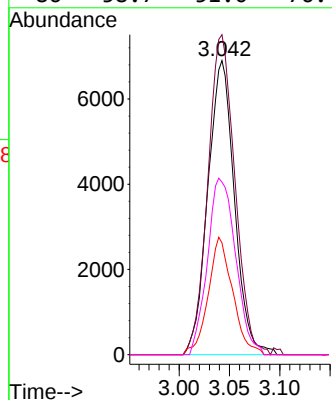
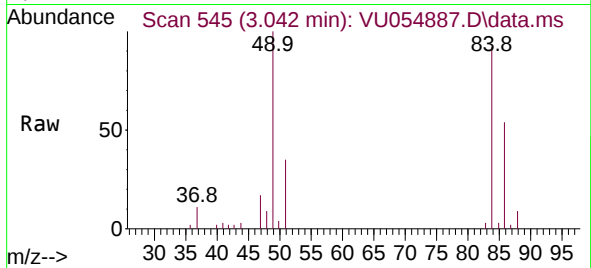




#15  
Methylene Chloride  
Concen: 2.154 ug/l  
RT: 3.042 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

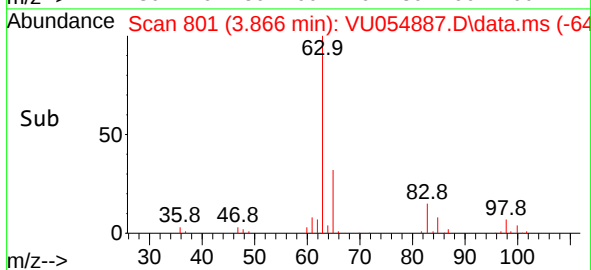
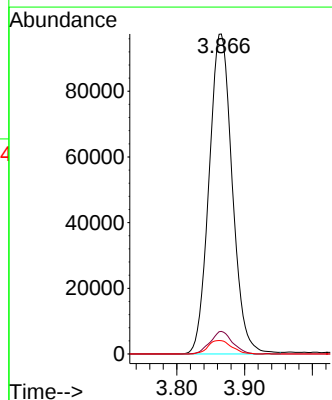
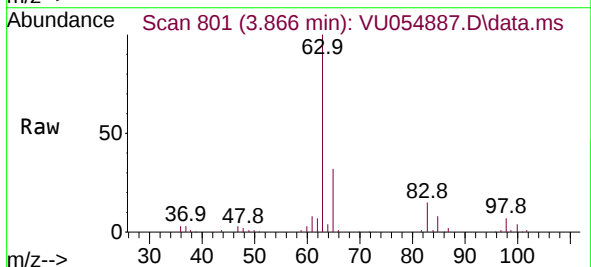
Instrument :  
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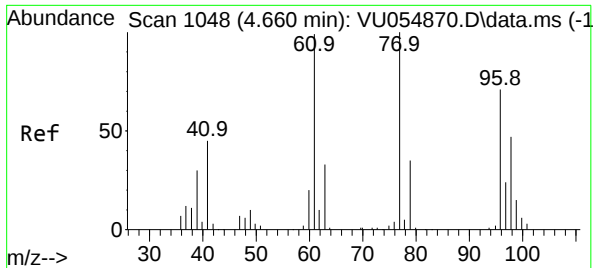
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 12725 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 108.8 | 87.8  | 131.6 |
| 51       | 38.0  | 0.0   | 68.2  |
| 86       | 58.7  | 51.0  | 76.4  |



#17  
1,1-Dichloroethane  
Concen: 20.956 ug/l  
RT: 3.866 min Scan# 801  
Delta R.T. 0.003 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 231814 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 98       | 7.6   | 3.6   | 10.8   |
| 100      | 4.1   | 2.8   | 8.4    |





#21

2,2-Dichloropropane

Concen: 4.306 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

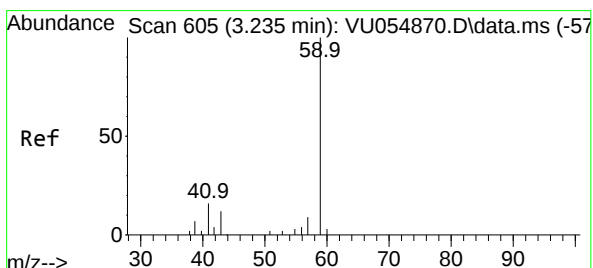
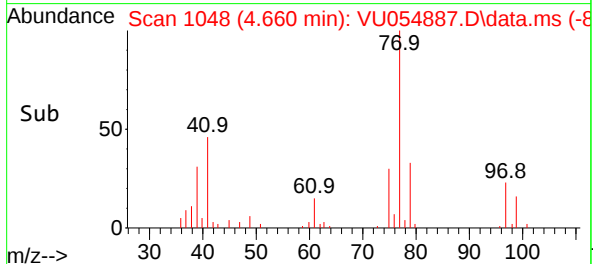
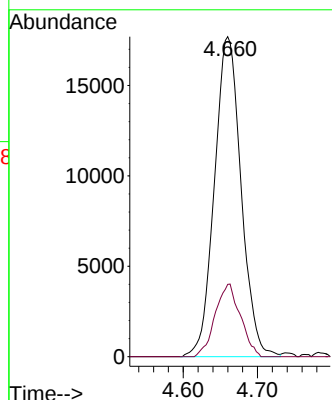
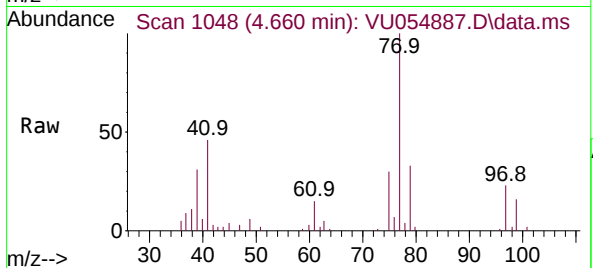
PT-UNRVOA-WS

Tgt Ion: 77 Resp: 44154

Ion Ratio Lower Upper

77 100

97 21.5 18.0 27.0



#24

tert-Butyl Alcohol

Concen: 0.473 ug/l

RT: 3.277 min Scan# 618

Delta R.T. 0.042 min

Lab File: VU054887.D

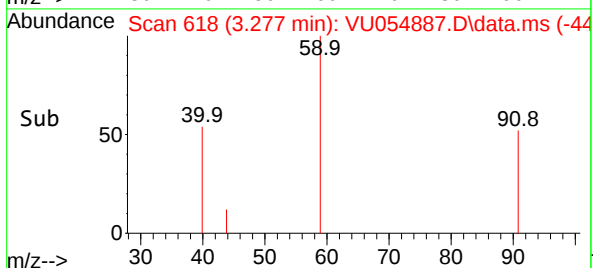
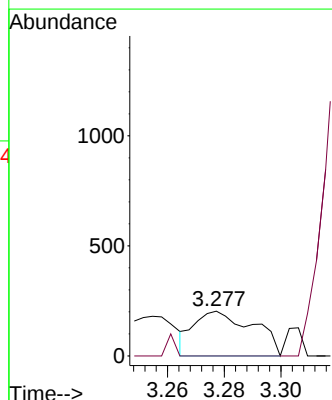
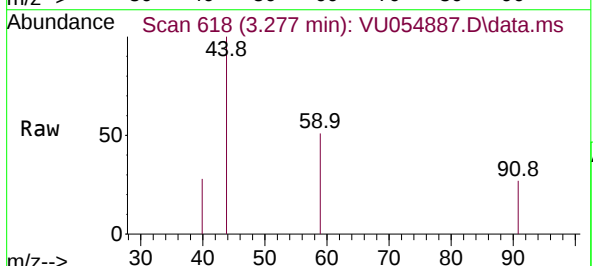
Acq: 26 Jul 2023 19:46

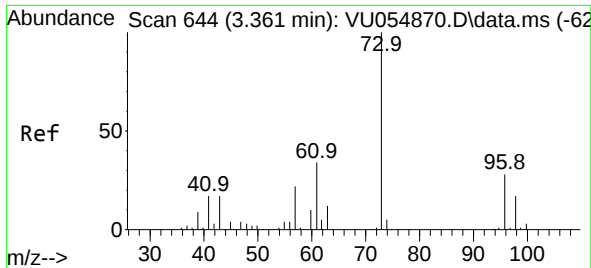
Tgt Ion: 59 Resp: 295

Ion Ratio Lower Upper

59 100

57 0.0 2.2 3.2#

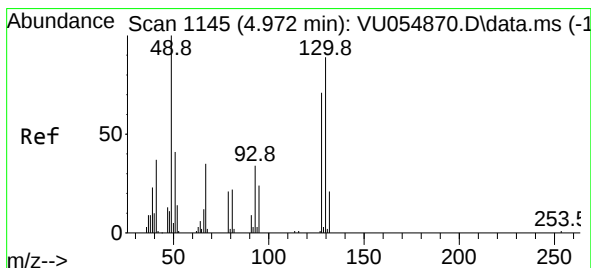
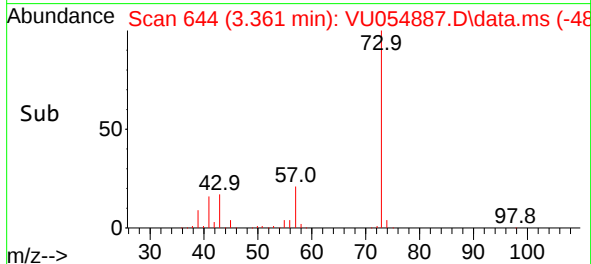
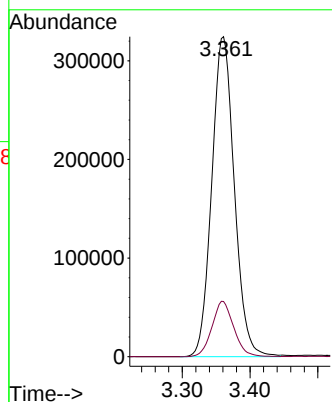
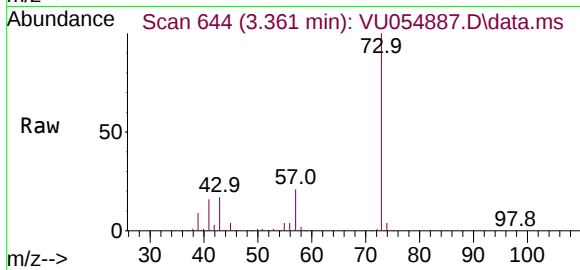




#25  
Methyl tert-Butyl Ether  
Concen: 53.336 ug/l  
RT: 3.361 min Scan# 644  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

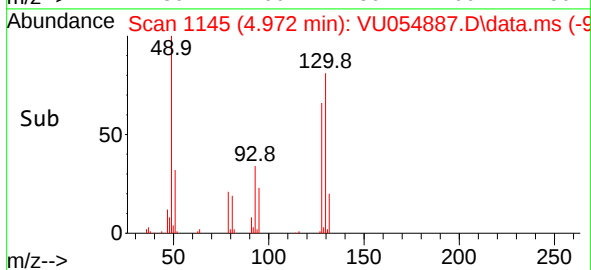
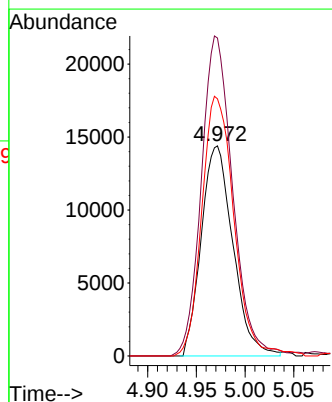
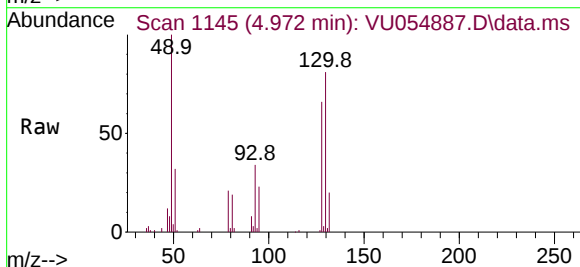
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WS

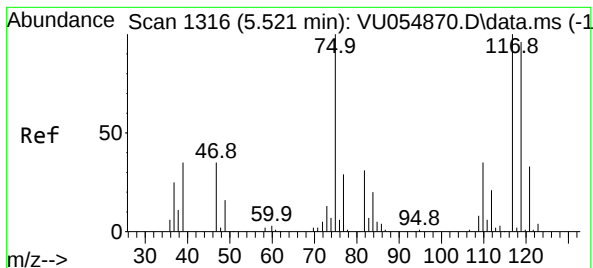
Tgt Ion: 73 Resp: 749836  
Ion Ratio Lower Upper  
73 100  
43 16.8 14.6 22.0



#26  
Bromochloromethane  
Concen: 12.064 ug/l  
RT: 4.972 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

Tgt Ion: 128 Resp: 32520  
Ion Ratio Lower Upper  
128 100  
49 150.6 0.0 304.0  
130 125.8 104.3 156.5





#29

1,1-Dichloropropene

Concen: 21.114 ug/l

RT: 5.521 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

PT-UNRVOA-WS

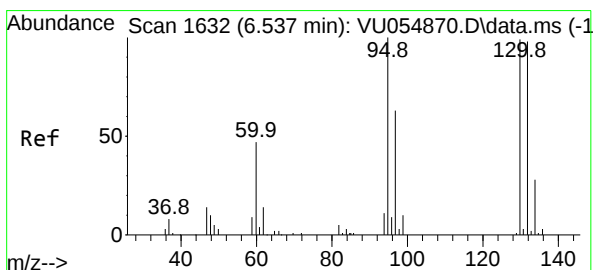
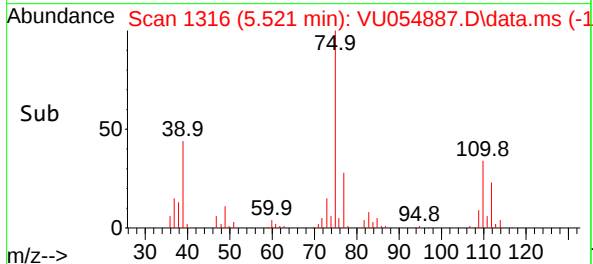
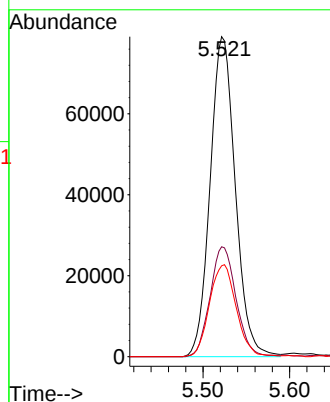
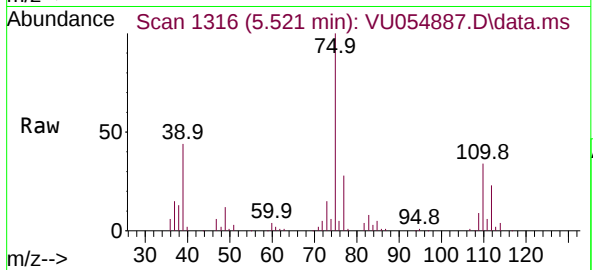
Tgt Ion: 75 Resp: 159806

Ion Ratio Lower Upper

75 100

110 35.4 18.5 55.5

77 30.6 24.9 37.3



#37

Trichloroethene

Concen: 0.212 ug/l

RT: 6.541 min Scan# 1633

Delta R.T. 0.003 min

Lab File: VU054887.D

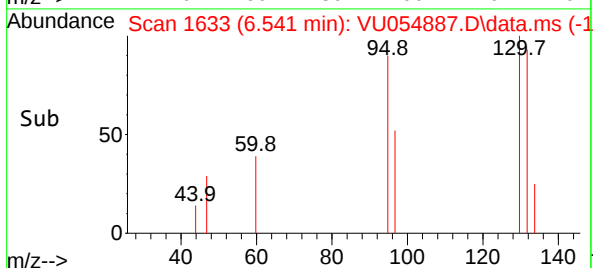
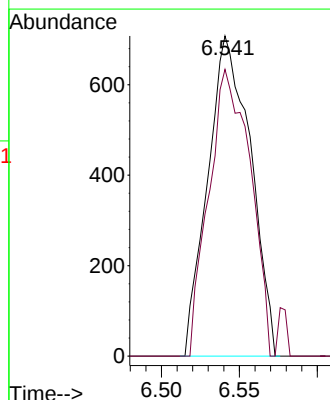
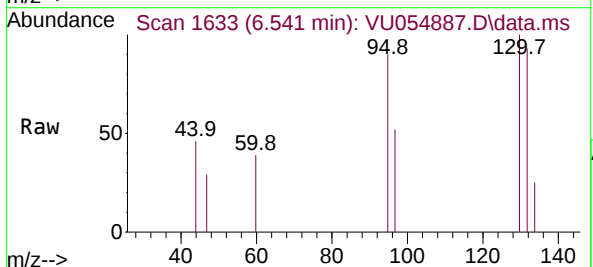
Acq: 26 Jul 2023 19:46

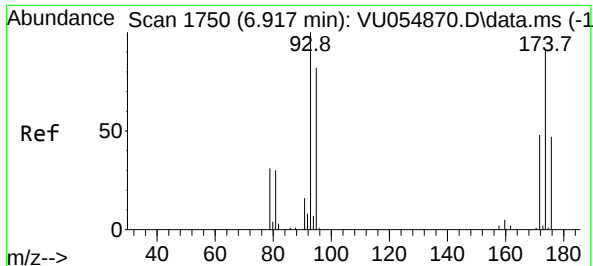
Tgt Ion:130 Resp: 1350

Ion Ratio Lower Upper

130 100

95 89.5 76.8 115.2

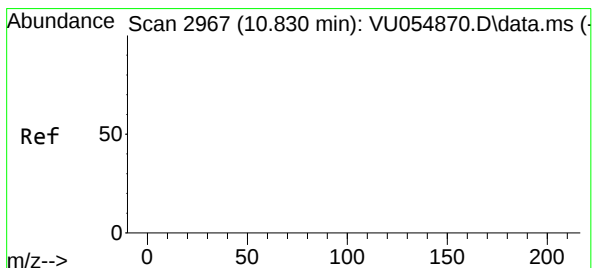
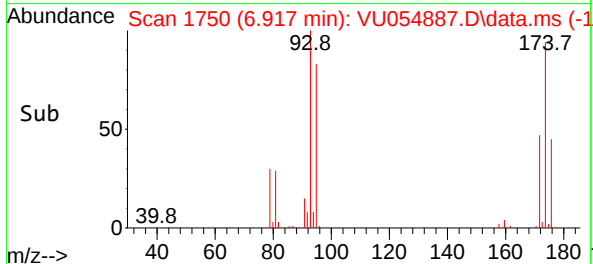
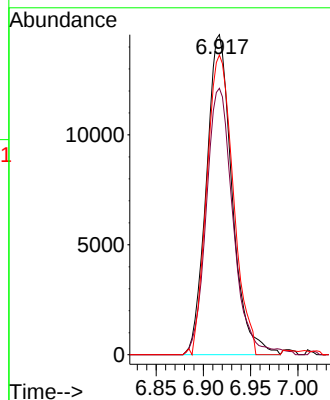
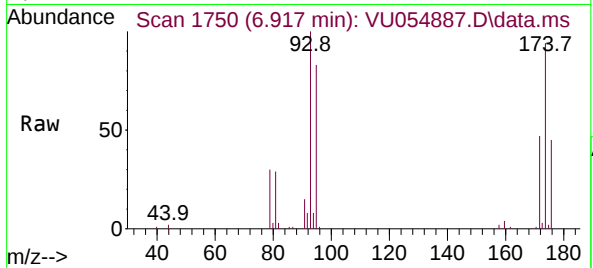




#43  
Dibromomethane  
Concen: 8.740 ug/l  
RT: 6.917 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

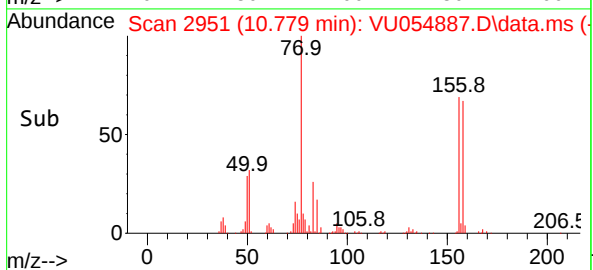
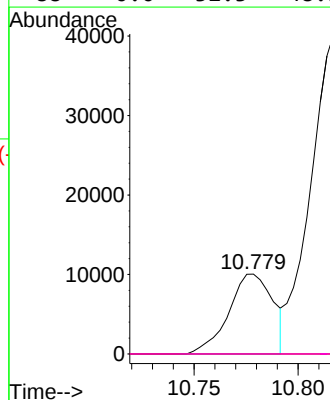
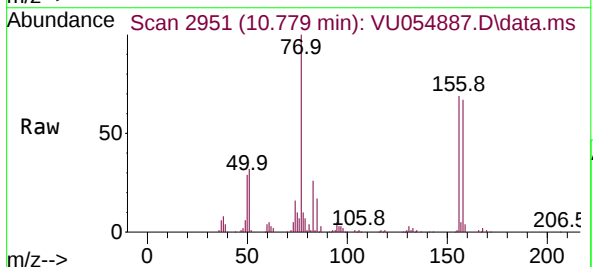
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WS

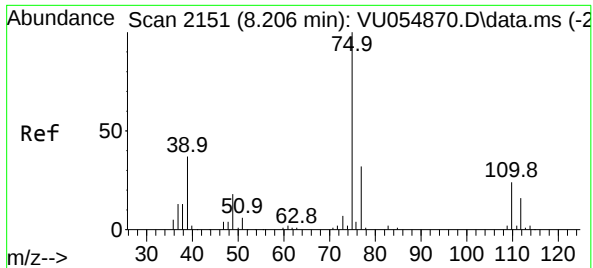
Tgt Ion: 93 Resp: 27504  
Ion Ratio Lower Upper  
93 100  
95 86.7 64.7 97.1  
174 96.1 74.4 111.6



#46  
t-1,4-Dichloro-2-butene  
Concen: 10.099 ug/l  
RT: 10.779 min Scan# 2951  
Delta R.T. -0.051 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

Tgt Ion: 75 Resp: 14921  
Ion Ratio Lower Upper  
75 100  
53 0.0 62.9 94.3#  
89 0.0 47.8 71.8#  
88 0.0 32.3 48.5#





#50

t-1,3-Dichloropropene

Concen: 13.085 ug/l

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

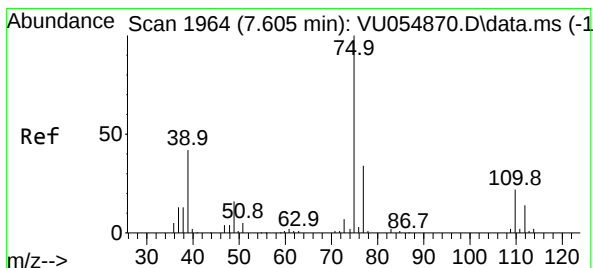
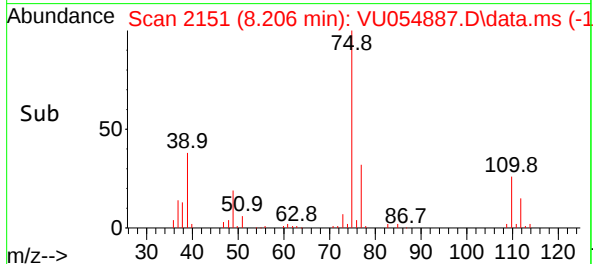
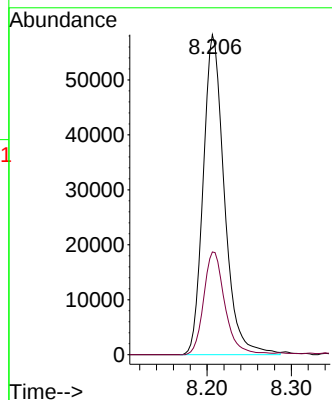
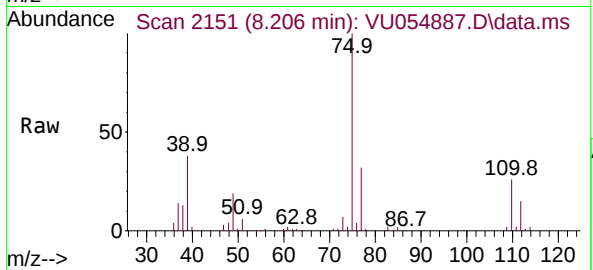
PT-UNRVOA-WS

Tgt Ion: 75 Resp: 101859

Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3



#51

cis-1,3-Dichloropropene

Concen: 9.651 ug/l

RT: 7.605 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

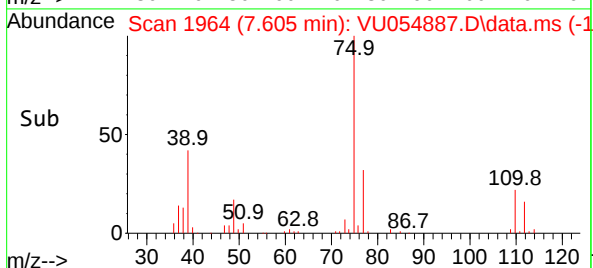
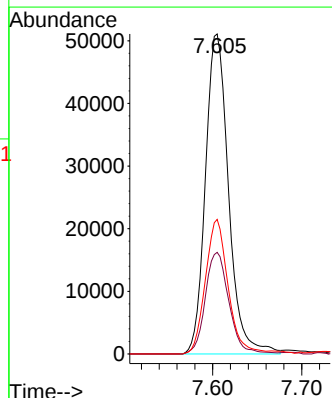
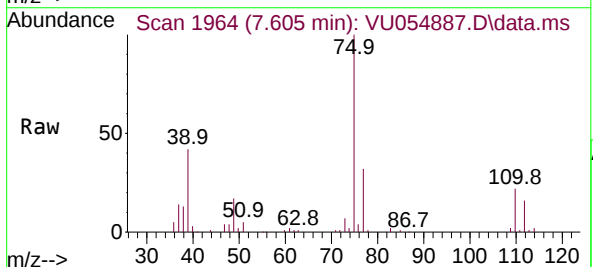
Tgt Ion: 75 Resp: 92343

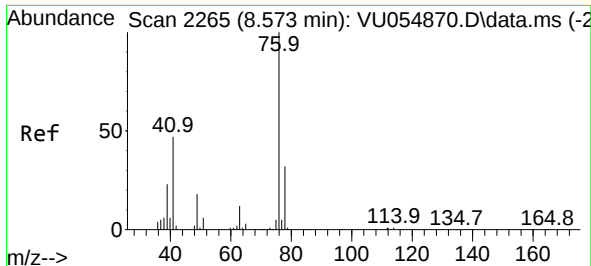
Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 42.0 31.7 47.5





#53

1,3-Dichloropropane

Concen: 13.846 ug/l

RT: 8.573 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

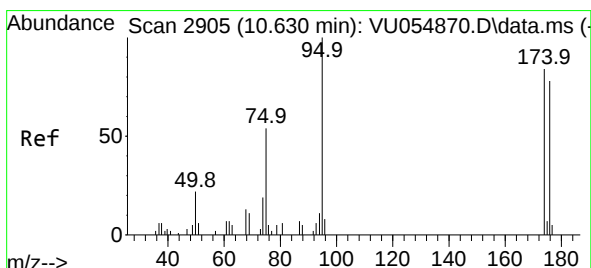
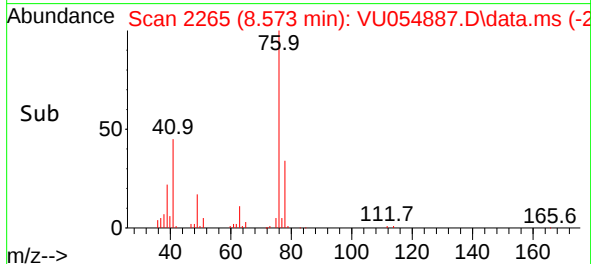
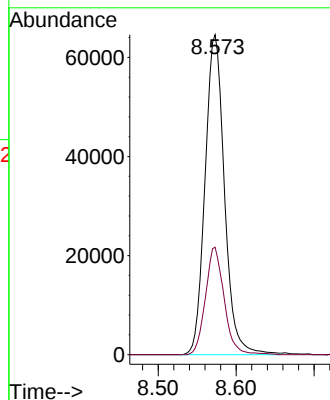
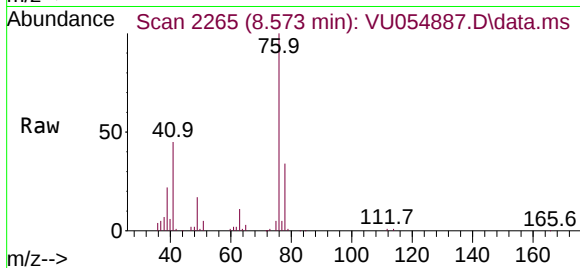
PT-UNRVOA-WS

Tgt Ion: 76 Resp: 111740

Ion Ratio Lower Upper

76 100

78 32.4 24.6 36.8



#57

4-Bromofluorobenzene

Concen: 1.036 ug/l

RT: 10.631 min Scan# 2905

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

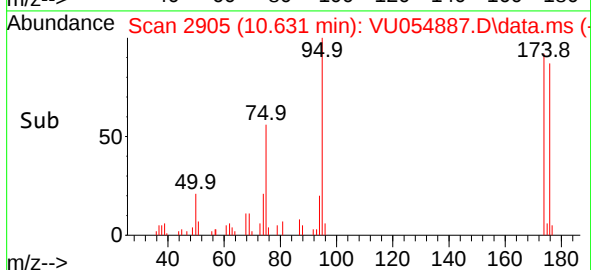
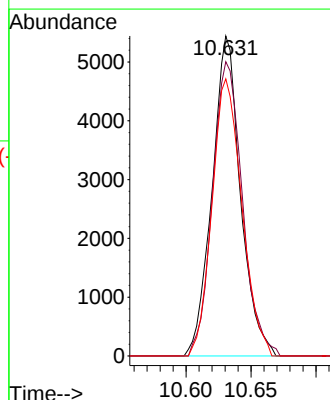
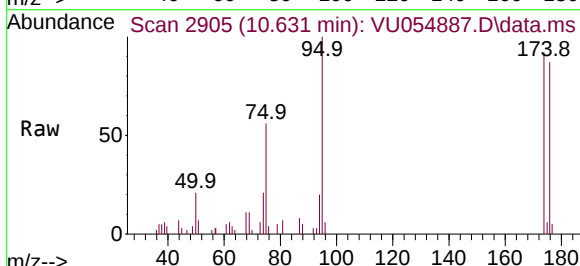
Tgt Ion: 95 Resp: 8264

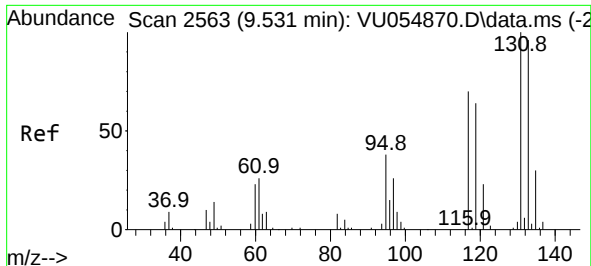
Ion Ratio Lower Upper

95 100

174 96.5 79.3 118.9

176 91.0 71.5 107.3

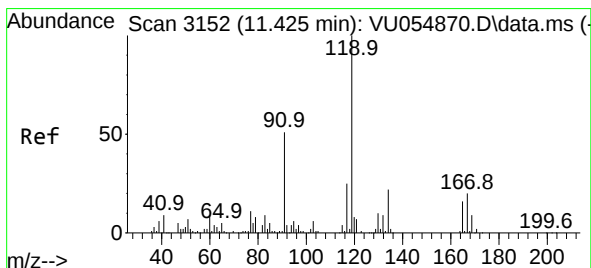
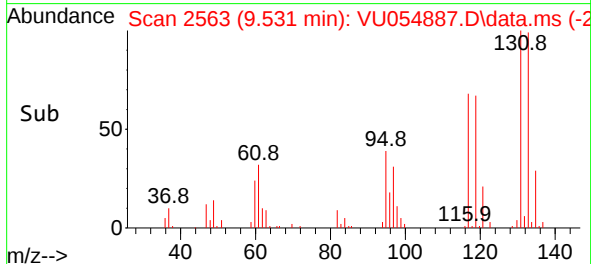
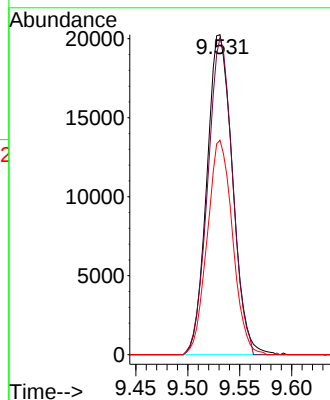
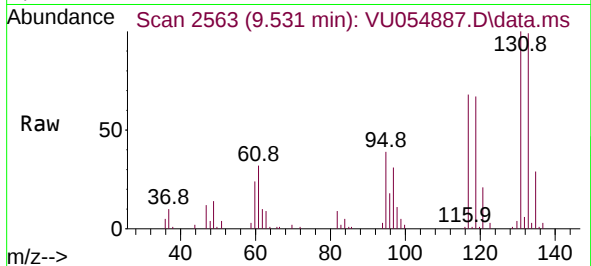




#60  
1,1,1,2-Tetrachloroethane  
Concen: 5.389 ug/l  
RT: 9.531 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

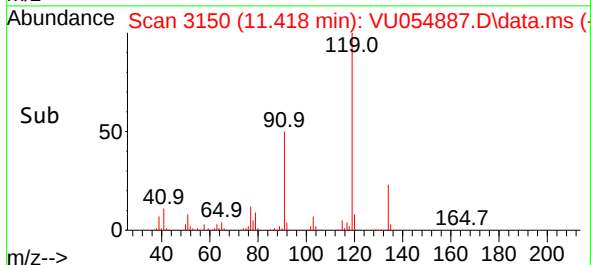
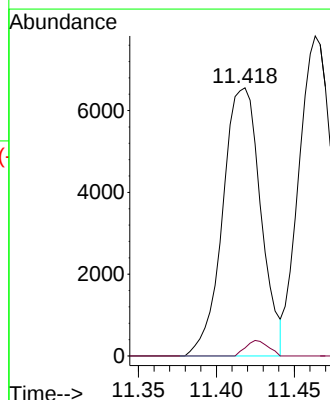
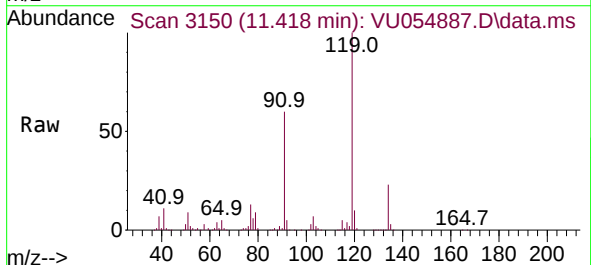
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WS

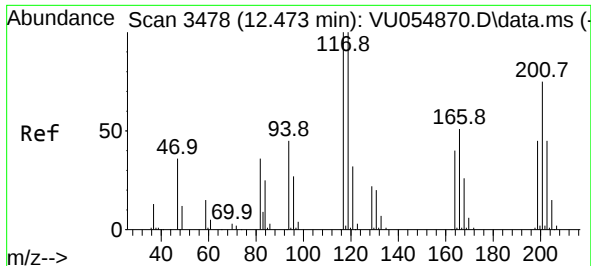
Tgt Ion:131 Resp: 34859  
Ion Ratio Lower Upper  
131 100  
133 95.5 74.2 111.4  
119 66.1 51.0 76.4



#61  
Pentachloroethane  
Concen: 2.202 ug/l  
RT: 11.418 min Scan# 3150  
Delta R.T. -0.006 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

Tgt Ion:117 Resp: 11129  
Ion Ratio Lower Upper  
117 100  
167 3.4 65.3 97.9#

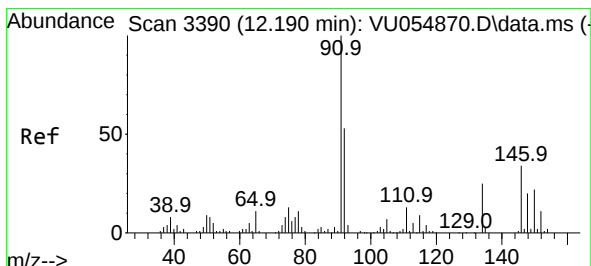
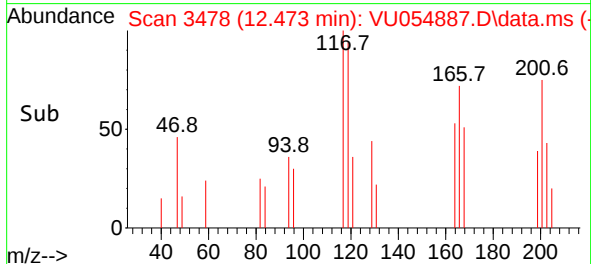
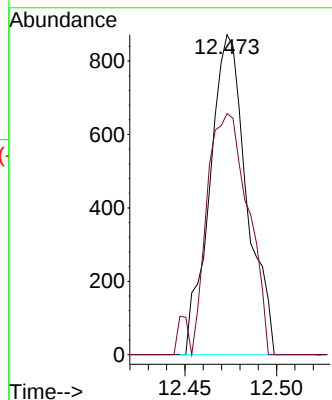
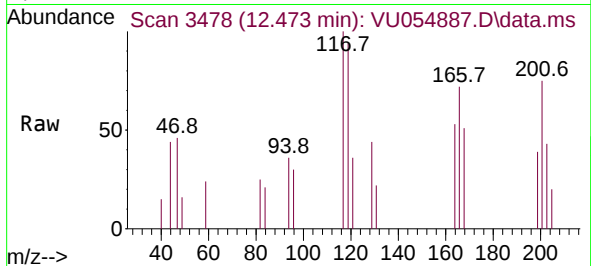




#62  
Hexachloroethane  
Concen: 0.236 ug/l  
RT: 12.473 min Scan# 3478  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

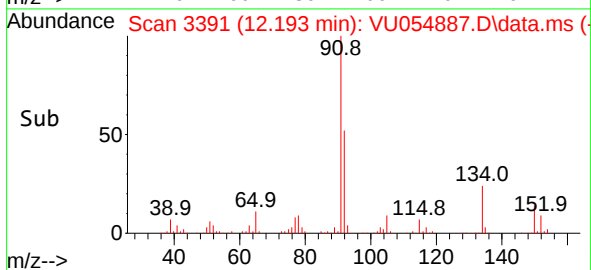
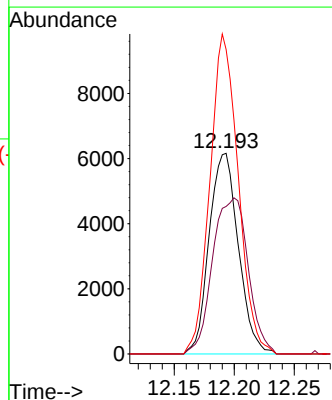
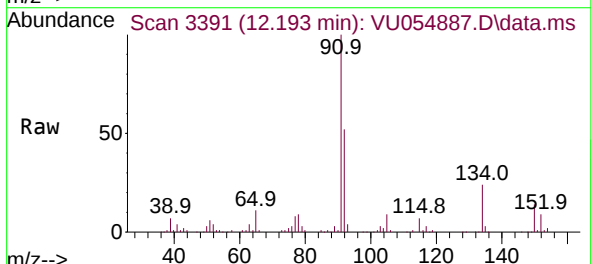
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WS

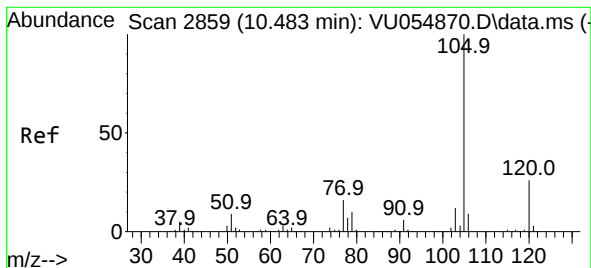
Tgt Ion:117 Resp: 1224  
Ion Ratio Lower Upper  
117 100  
201 86.6 56.1 84.1#



#68  
1,2-Dichlorobenzene-d4  
Concen: 1.156 ug/l  
RT: 12.193 min Scan# 3391  
Delta R.T. 0.003 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

Tgt Ion:152 Resp: 10426  
Ion Ratio Lower Upper  
152 100  
115 94.6 0.0 234.8  
150 154.3 0.0 598.2





#69

Isopropylbenzene

Concen: 17.583 ug/l

RT: 10.479 min Scan# 2859

Delta R.T. -0.003 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

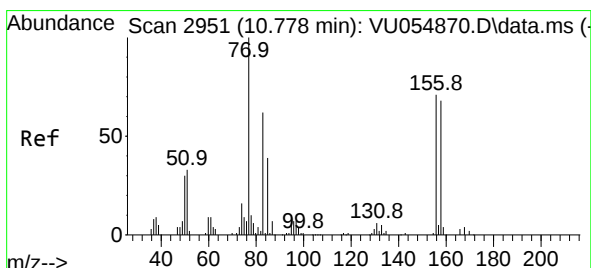
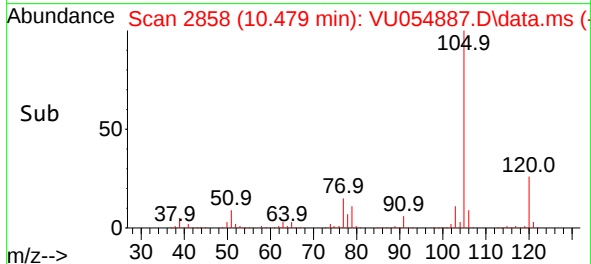
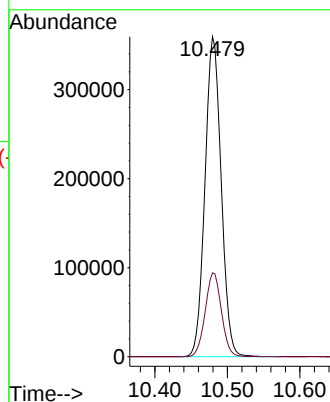
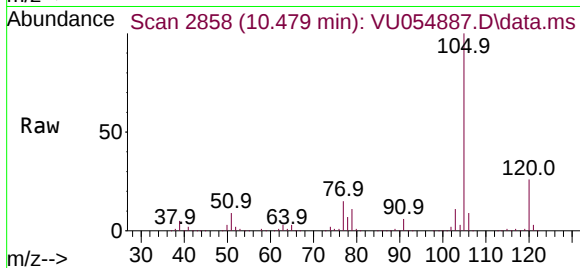
PT-UNRVOA-WS

Tgt Ion:105 Resp: 557710

Ion Ratio Lower Upper

105 100

120 26.2 12.6 37.6



#70

1,1,2,2-Tetrachloroethane

Concen: 7.200 ug/l

RT: 10.779 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

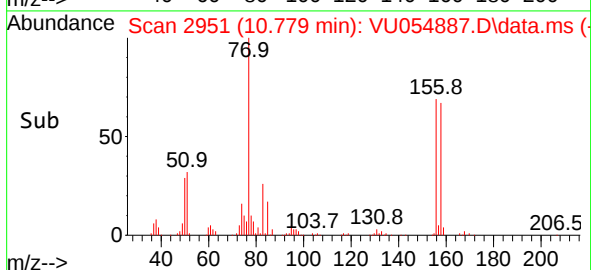
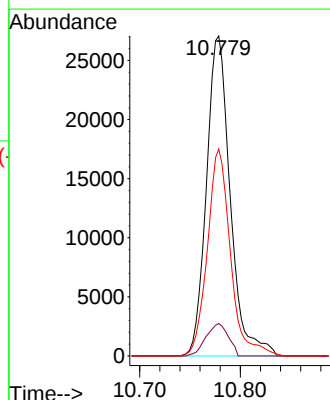
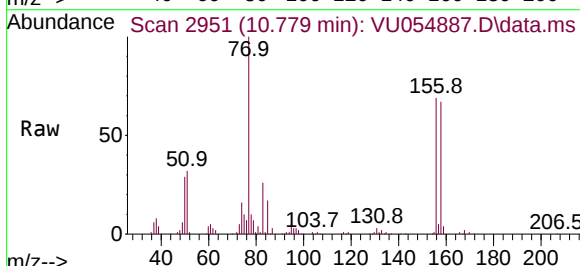
Tgt Ion: 83 Resp: 44460

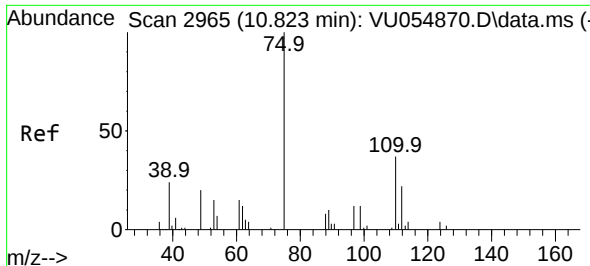
Ion Ratio Lower Upper

83 100

131 9.5 7.5 11.3

85 62.8 53.0 79.6

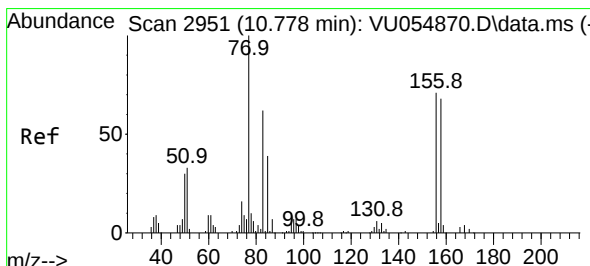
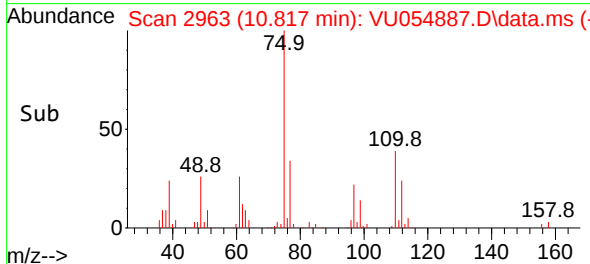
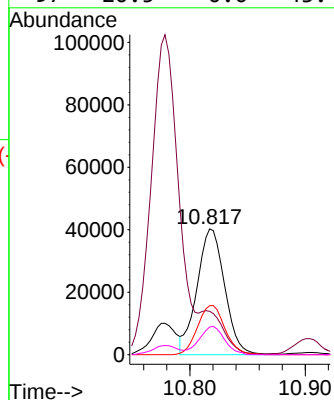
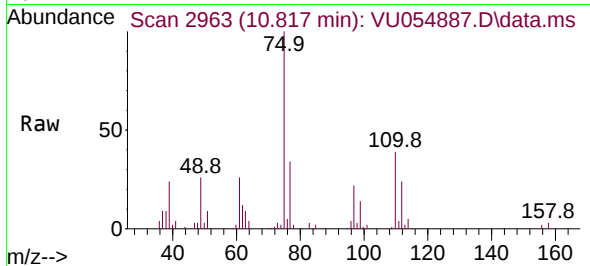




#71  
1,2,3-Trichloropropane  
Concen: 15.229 ug/l  
RT: 10.817 min Scan# 2963  
Delta R.T. -0.006 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

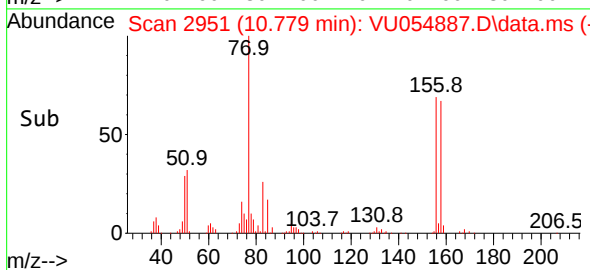
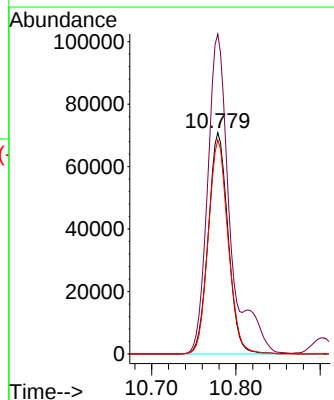
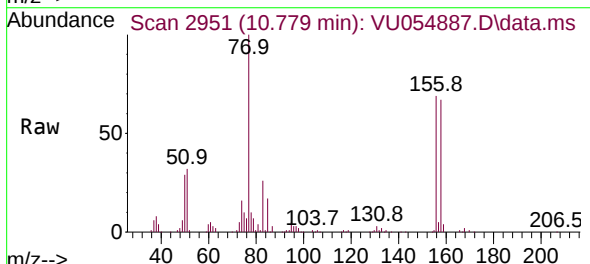
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WS

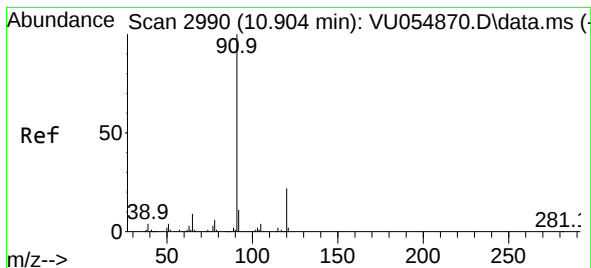
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 66984 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |
| 110       | 38.8  | 0.0   | 80.8  |
| 97        | 20.5  | 0.0   | 43.4  |



#72  
Bromobenzene  
Concen: 16.394 ug/l  
RT: 10.779 min Scan# 2951  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 156   | Resp: | 115775 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 146.4 | 0.0   | 293.2  |
| 158       | 97.3  | 0.0   | 189.8  |





#73

n-propylbenzene

Concen: 5.498 ug/l

RT: 10.901 min Scan# 2990

Delta R.T. -0.003 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

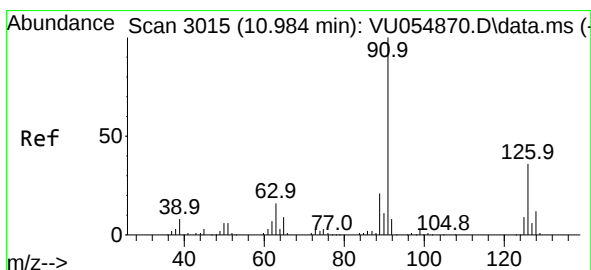
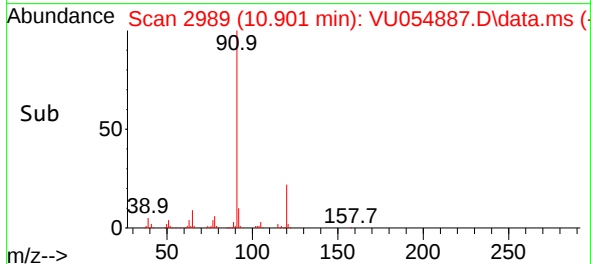
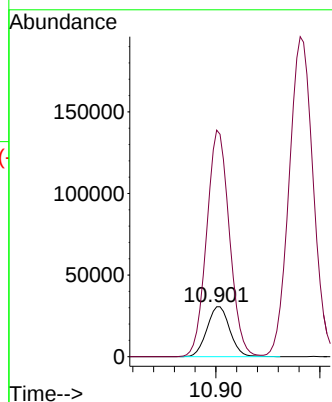
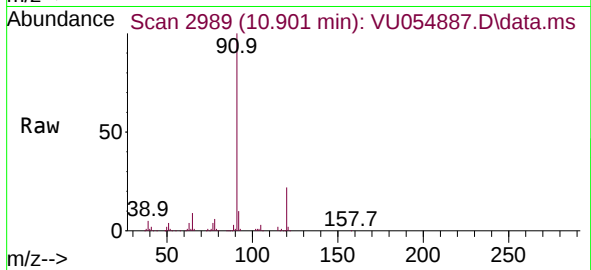
PT-UNRVOA-WS

Tgt Ion:120 Resp: 46672

Ion Ratio Lower Upper

120 100

91 452.3 361.8 542.6



#74

2-Chlorotoluene

Concen: 14.975 ug/l

RT: 10.981 min Scan# 3014

Delta R.T. -0.003 min

Lab File: VU054887.D

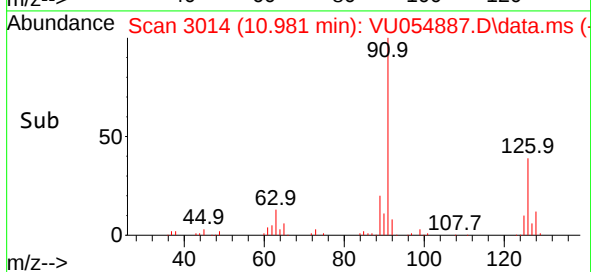
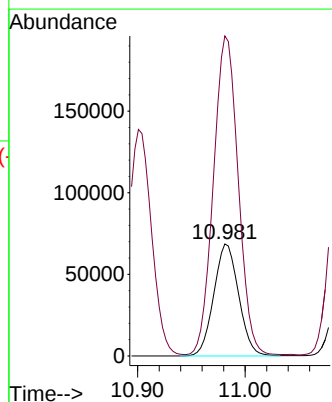
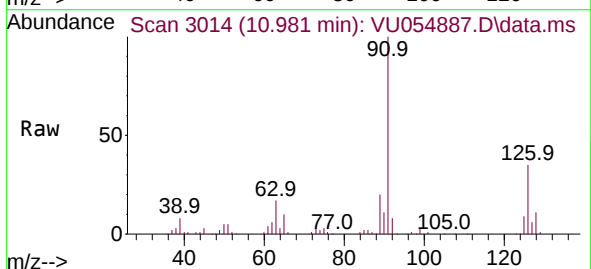
Acq: 26 Jul 2023 19:46

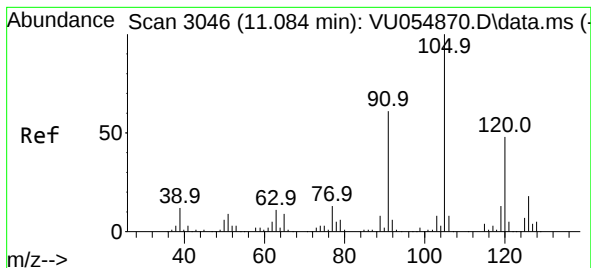
Tgt Ion:126 Resp: 110049

Ion Ratio Lower Upper

126 100

91 283.8 0.0 561.4





#75

1,3,5-Trimethylbenzene

Concen: 7.392 ug/l

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

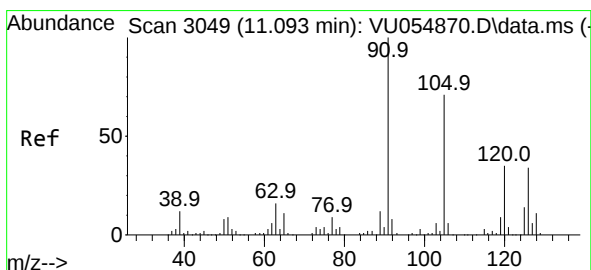
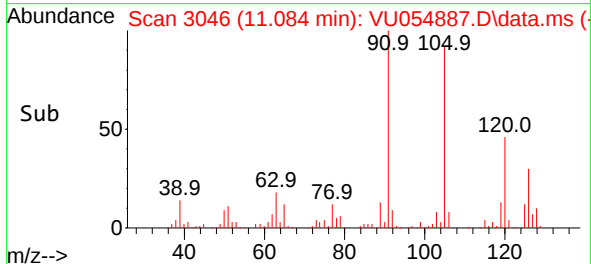
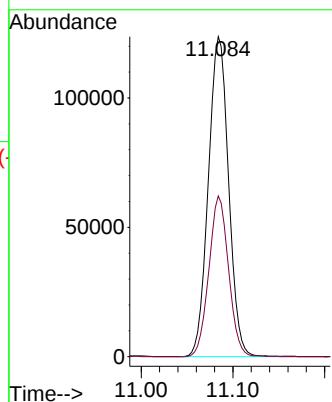
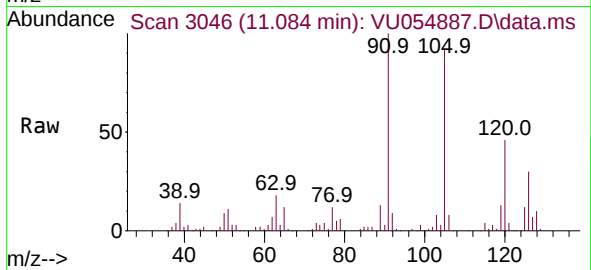
PT-UNRVOA-WS

Tgt Ion:105 Resp: 189867

Ion Ratio Lower Upper

105 100

120 48.8 39.0 58.4



#76

4-Chlorotoluene

Concen: 13.348 ug/l

RT: 11.094 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VU054887.D

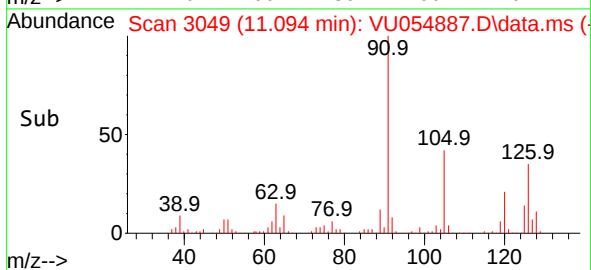
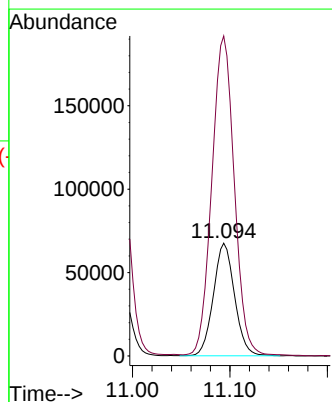
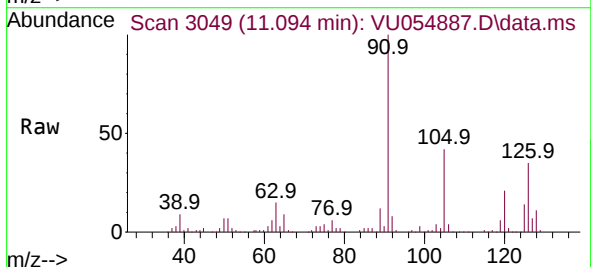
Acq: 26 Jul 2023 19:46

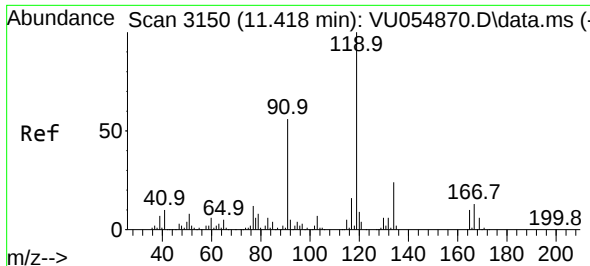
Tgt Ion:126 Resp: 101909

Ion Ratio Lower Upper

126 100

91 301.9 0.0 623.4

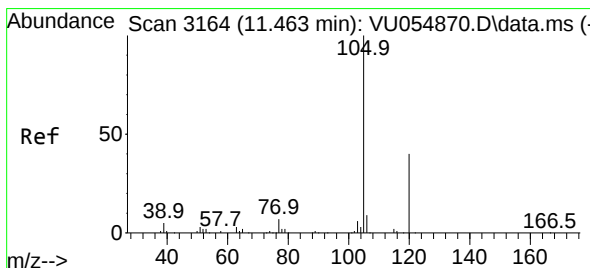
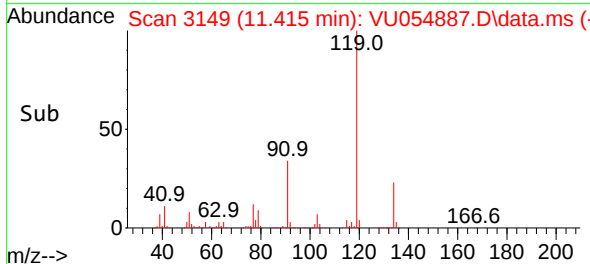
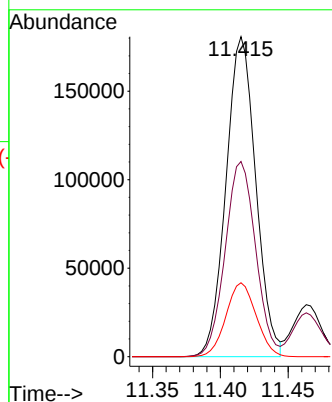
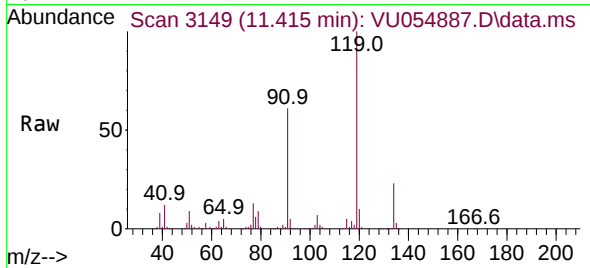




#77  
tert-Butylbenzene  
Concen: 10.361 ug/l  
RT: 11.415 min Scan# 3150  
Delta R.T. -0.003 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

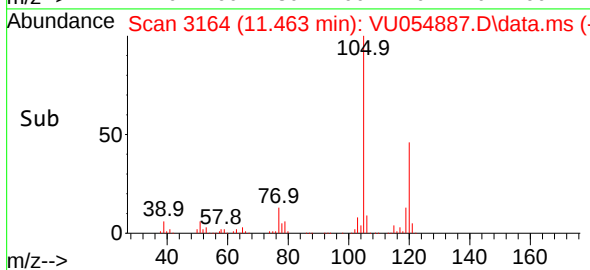
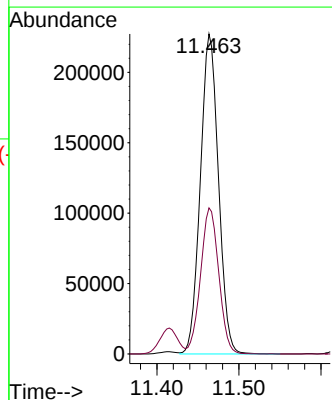
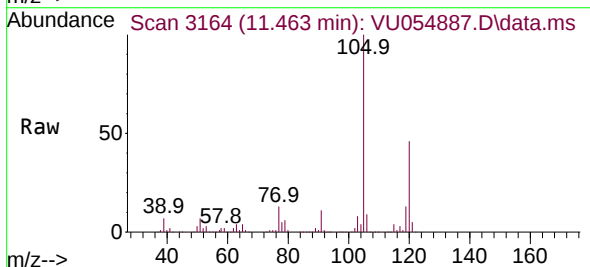
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WS

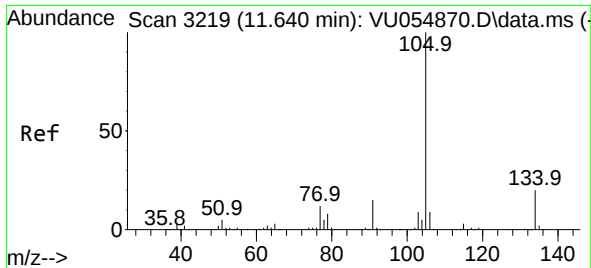
Tgt Ion:119 Resp: 276770  
Ion Ratio Lower Upper  
119 100  
91 62.5 27.7 83.1  
134 23.4 18.6 27.8



#78  
1,2,4-Trimethylbenzene  
Concen: 13.234 ug/l  
RT: 11.463 min Scan# 3164  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

Tgt Ion:105 Resp: 348009  
Ion Ratio Lower Upper  
105 100  
120 45.9 22.4 67.3

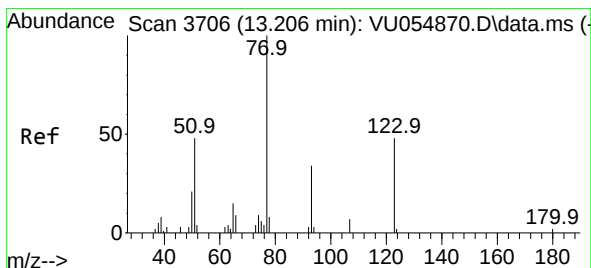
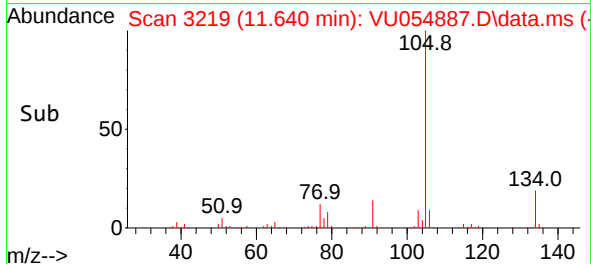
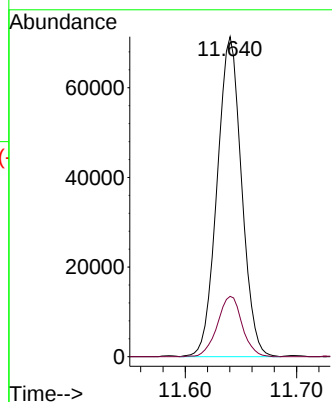
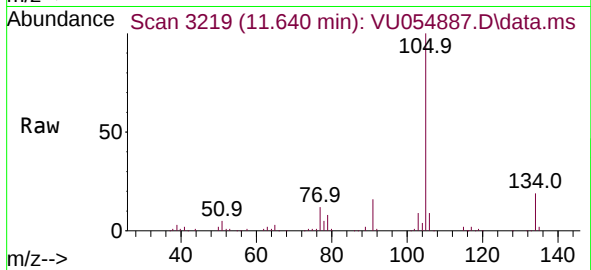




#79  
 sec-Butylbenzene  
 Concen: 3.137 ug/l  
 RT: 11.640 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU054887.D  
 Acq: 26 Jul 2023 19:46

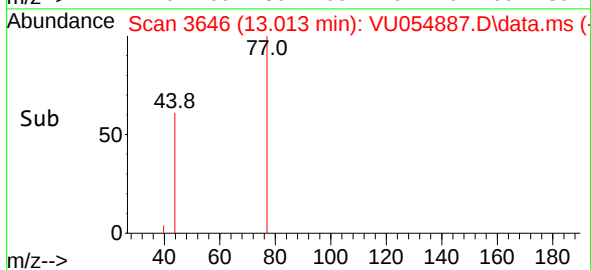
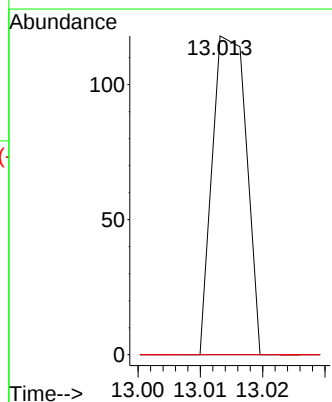
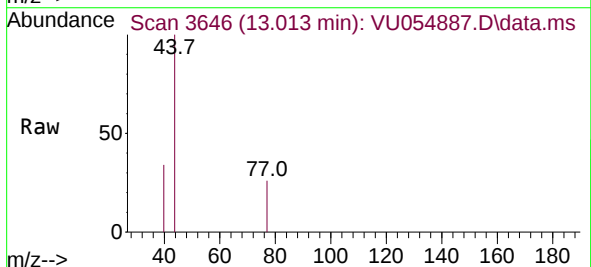
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PT-UNRVOA-WS

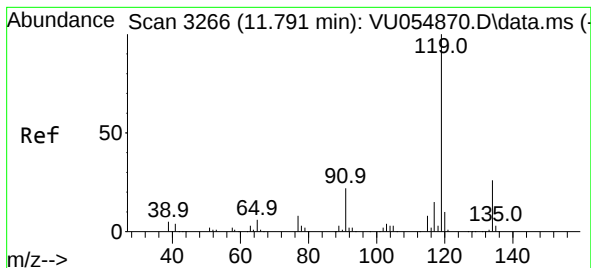
Tgt Ion:105 Resp: 108921  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 15.7 23.5



#80  
 Nitrobenzene  
 Concen: 0.277 ug/l  
 RT: 13.013 min Scan# 3646  
 Delta R.T. -0.193 min  
 Lab File: VU054887.D  
 Acq: 26 Jul 2023 19:46

Tgt Ion: 77 Resp: 45  
 Ion Ratio Lower Upper  
 77 100  
 123 0.0 20.2 71.8#  
 65 0.0 11.7 14.9#

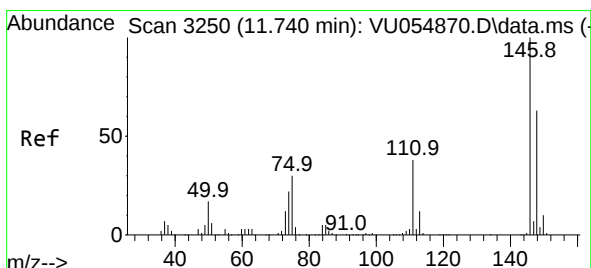
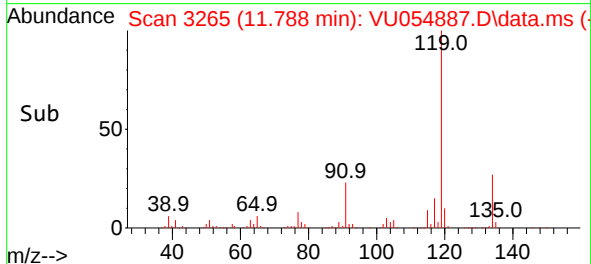
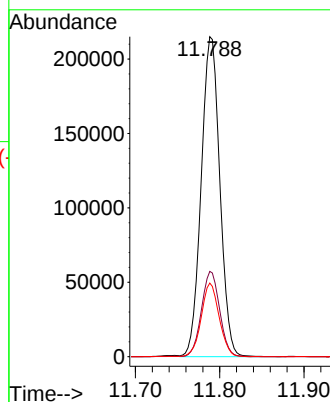
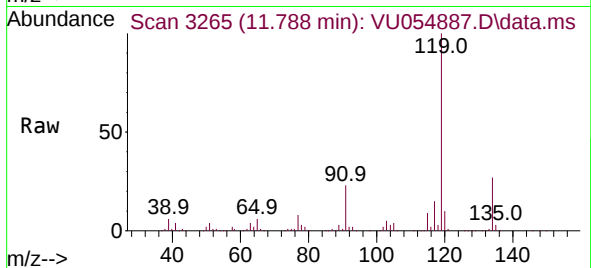




#81  
p-Isopropyltoluene  
Concen: 12.077 ug/l  
RT: 11.788 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

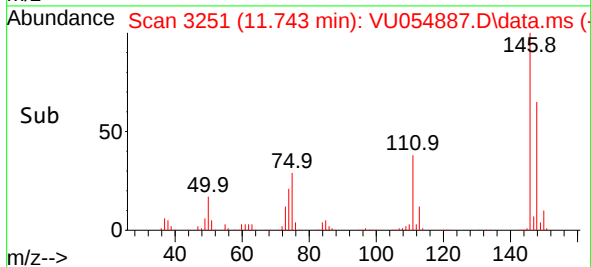
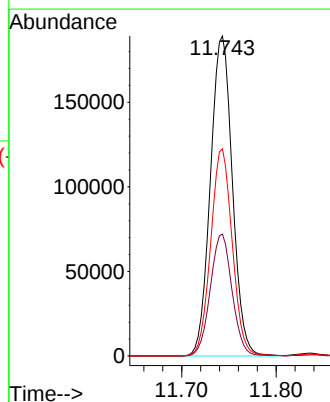
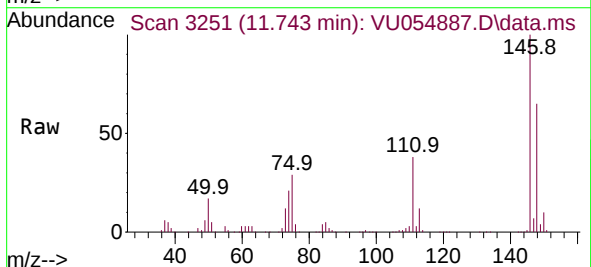
Instrument :  
MSVOA\_U  
ClientSampleId :  
PT-UNRVOA-WS

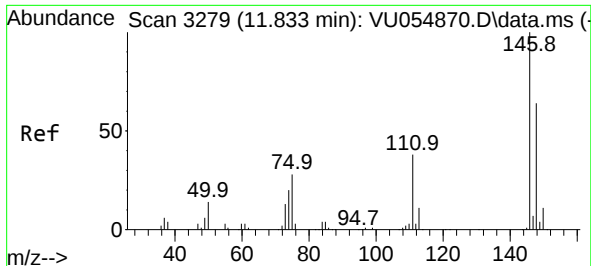
Tgt Ion:119 Resp: 330988  
Ion Ratio Lower Upper  
119 100  
134 26.0 20.6 31.0  
91 22.2 18.2 27.4



#82  
1,3-Dichlorobenzene  
Concen: 20.310 ug/l  
RT: 11.743 min Scan# 3251  
Delta R.T. 0.003 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

Tgt Ion:146 Resp: 305360  
Ion Ratio Lower Upper  
146 100  
111 37.8 30.5 45.7  
148 63.6 51.0 76.6

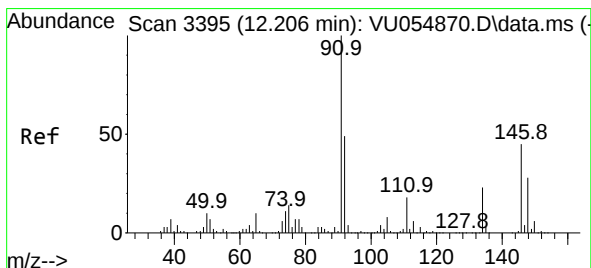
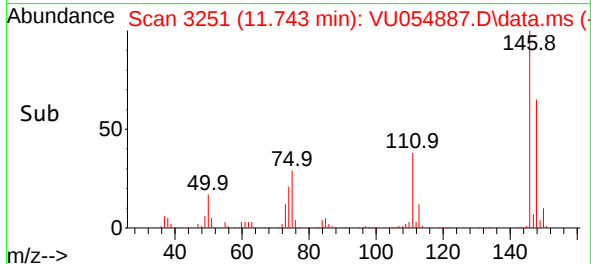
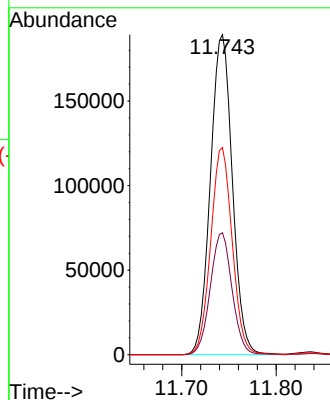
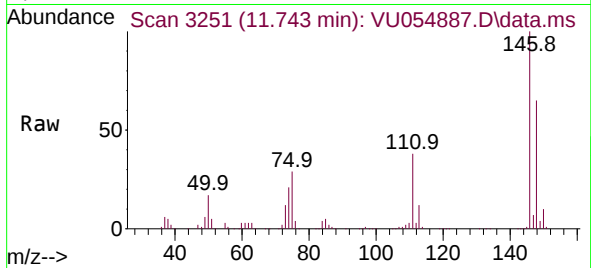




#83  
1,4-Dichlorobenzene  
Concen: 20.375 ug/l  
RT: 11.743 min Scan# 31  
Delta R.T. -0.090 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

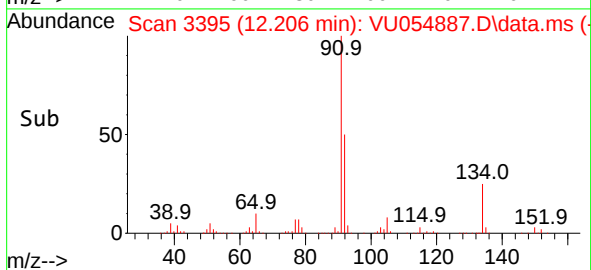
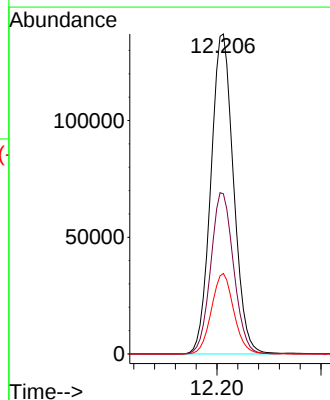
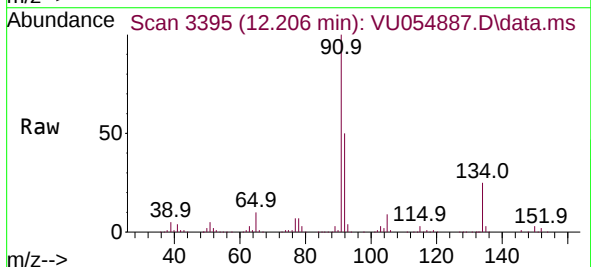
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ClientSampleId :  
PT-UNRVOA-WS

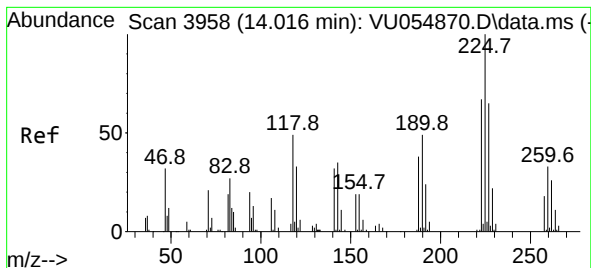
Tgt Ion:146 Resp: 305360  
Ion Ratio Lower Upper  
146 100  
111 37.8 29.5 44.3  
148 63.6 51.2 76.8



#84  
n-Butylbenzene  
Concen: 8.438 ug/l  
RT: 12.206 min Scan# 3395  
Delta R.T. 0.000 min  
Lab File: VU054887.D  
Acq: 26 Jul 2023 19:46

Tgt Ion: 91 Resp: 207722  
Ion Ratio Lower Upper  
91 100  
92 51.1 39.8 59.8  
134 24.8 20.2 30.4





#88

Hexachlorobutadiene

Concen: 32.472 ug/l

RT: 14.016 min Scan# 3958

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

PT-UNRVOA-WS

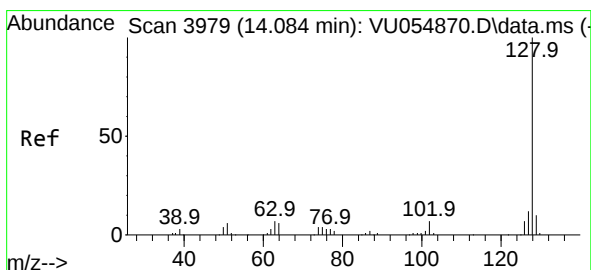
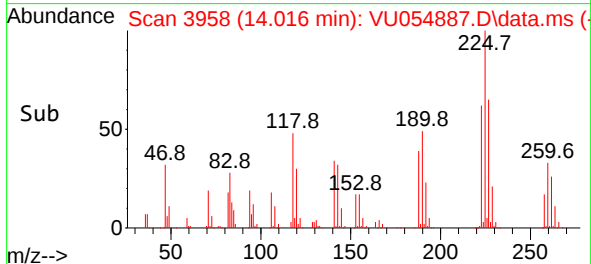
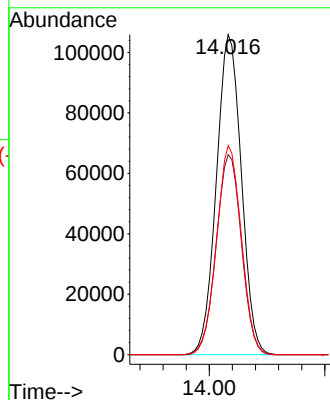
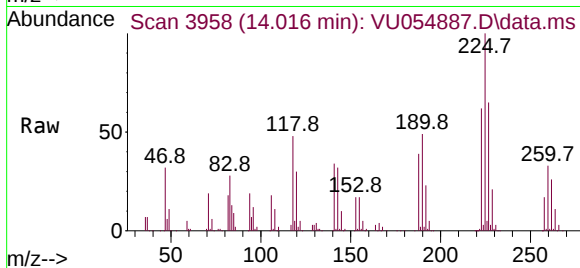
Tgt Ion:225 Resp: 159193

Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

227 64.7 50.7 76.1



#89

Naphthalene

Concen: 11.239 ug/l

RT: 14.084 min Scan# 3979

Delta R.T. 0.000 min

Lab File: VU054887.D

Acq: 26 Jul 2023 19:46

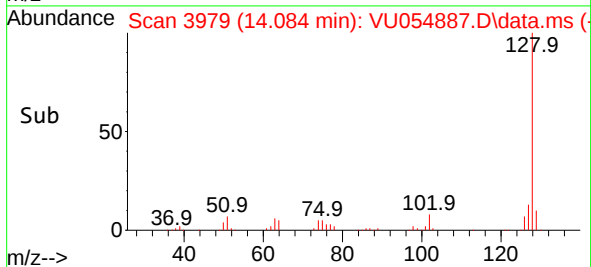
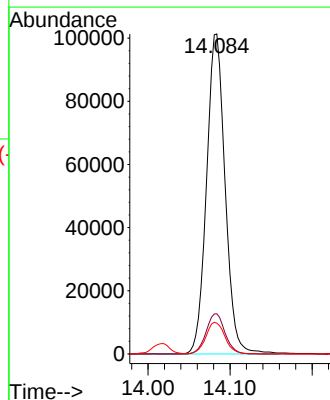
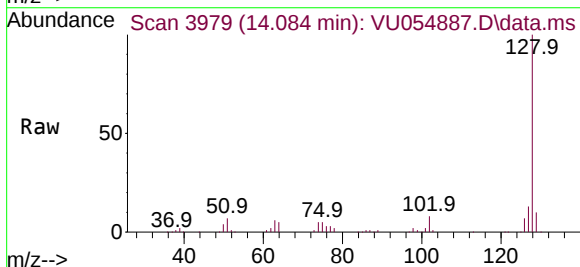
Tgt Ion:128 Resp: 159979

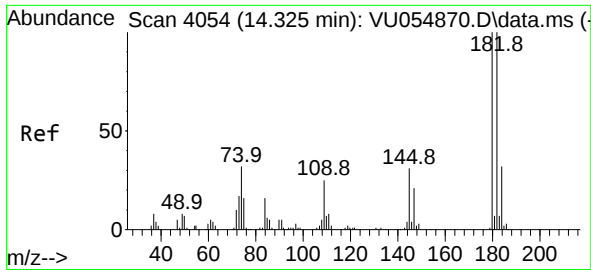
Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.3 8.7 13.1





#90

1,2,3-Trichlorobenzene

Concen: 34.292 ug/l

RT: 14.325 min Scan# 40

Delta R.T. 0.000 min

Lab File: VU054887.D

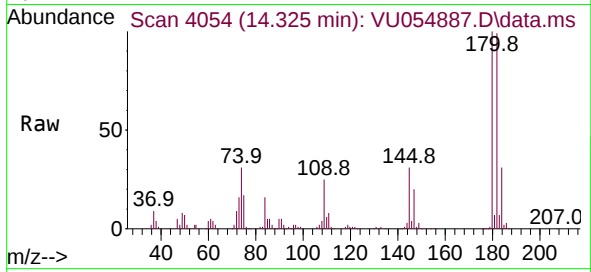
Acq: 26 Jul 2023 19:46

Instrument :

MSVOA\_U

ClientSampleId :

PT-UNRVOA-WS



Tgt Ion:180 Resp: 279675

Ion Ratio Lower Upper

180 100

182 97.3 76.0 114.0

145 31.0 24.3 36.5

