

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110322\  
 Data File : VY011287.D  
 Acq On : 03 Nov 2022 15:17  
 Operator : KP/MD  
 Sample : N5371-07RE  
 Misc : 7.48g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MH-2-WC

Quant Time: Nov 04 02:21:08 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

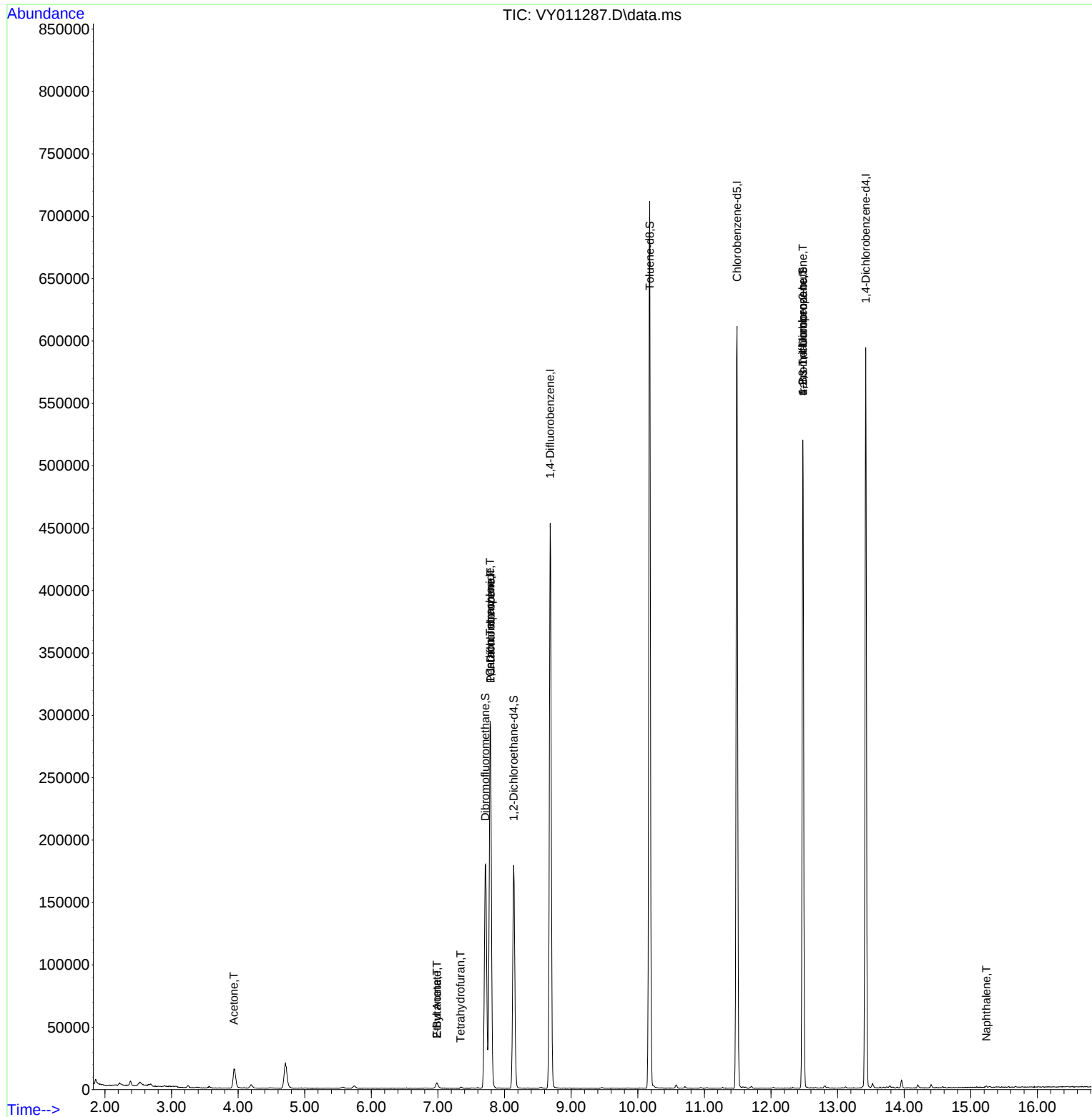
| Compound                      | R.T.           | QIon | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------|------------|--------|----------|
| -----                         |                |      |          |            |        |          |
| Internal Standards            |                |      |          |            |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 228834   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 394063   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 345844   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 153634   | 50.000     | ug/l   | 0.00     |
|                               |                |      |          |            |        |          |
| System Monitoring Compounds   |                |      |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137          | 65   | 134328   | 54.886     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery | = 109.780% |        |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 133082   | 52.563     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery | = 105.120% |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 474606   | 48.281     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery | = 96.560%  |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 162310   | 47.562     | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery | = 95.120%  |        |          |
|                               |                |      |          |            |        |          |
| Target Compounds              |                |      |          |            |        | Qvalue   |
| 11) Tert butyl alcohol        | 4.960          | 59   | 65       | Below Cal  | #      | 77       |
| 13) Acrolein                  | 3.729          | 56   | 161      | Below Cal  | #      | 82       |
| 16) Acetone                   | 3.936          | 43   | 27295    | 36.946     | ug/l # | 86       |
| 20) Methylene Chloride        | 4.710          | 84   | 15169    | Below Cal  |        | 86       |
| 25) 2-Butanone                | 6.984          | 43   | 6518     | 6.270      | ug/l   | 91       |
| 29) Tetrahydrofuran           | 7.338          | 42   | 626      | 1.034      | ug/l # | 91       |
| 36) 1,1-Dichloropropene       | 7.789          | 75   | 17586    | 4.253      | ug/l # | 51       |
| 37) Ethyl Acetate             | 6.984          | 43   | 6518     | 2.924      | ug/l # | 76       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 22736    | 5.300      | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 80033    | 42.790     | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 80033    | 91.576     | ug/l # | 7        |
| 95) Naphthalene               | 15.233         | 128  | 1316     | 4.146      | ug/l # | 84       |
| -----                         |                |      |          |            |        |          |

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

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MH-2-WC

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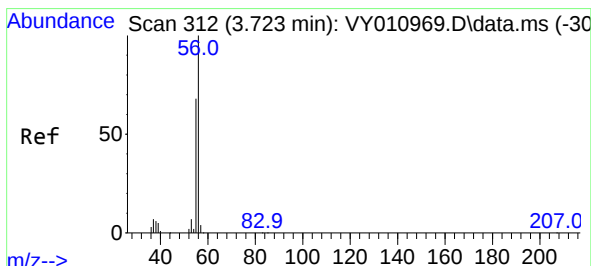
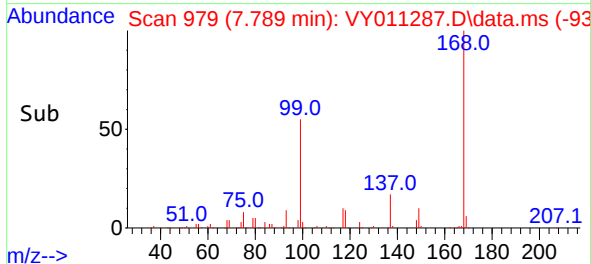
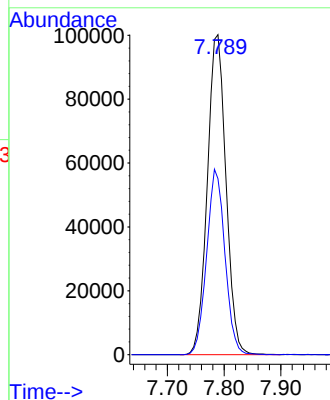
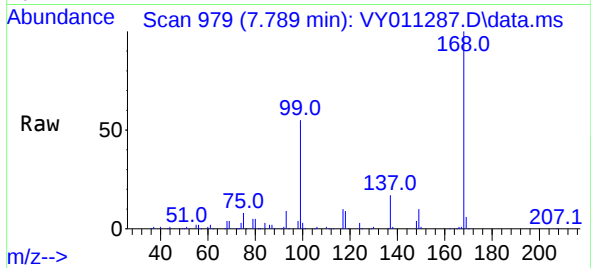




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

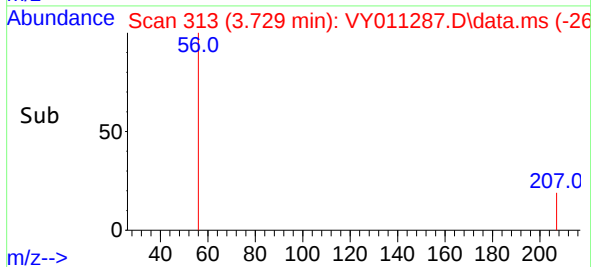
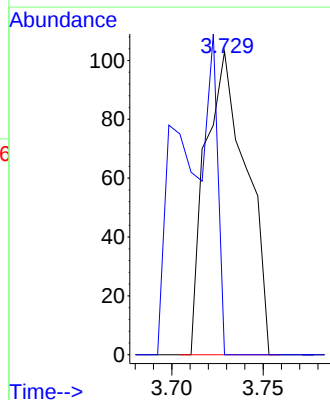
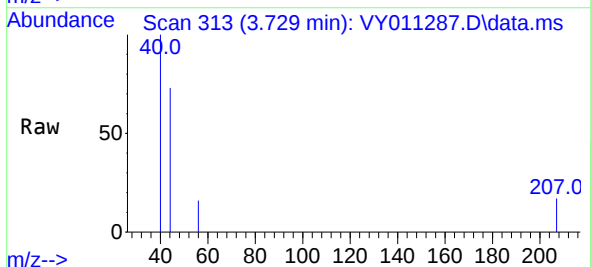
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-2-WC

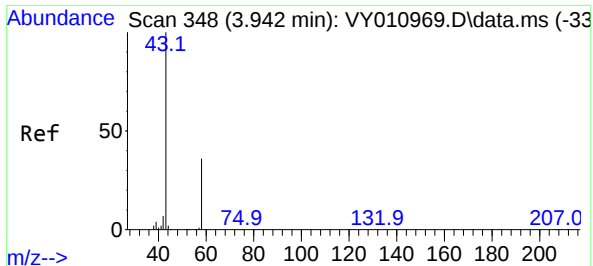
Tgt Ion:168 Resp: 228834  
Ion Ratio Lower Upper  
168 100  
99 55.0 46.9 70.3



#13  
Acrolein  
Concen: Below Cal  
RT: 3.729 min Scan# 313  
Delta R.T. 0.006 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

Tgt Ion: 56 Resp: 161  
Ion Ratio Lower Upper  
56 100  
55 87.0 57.6 86.4#

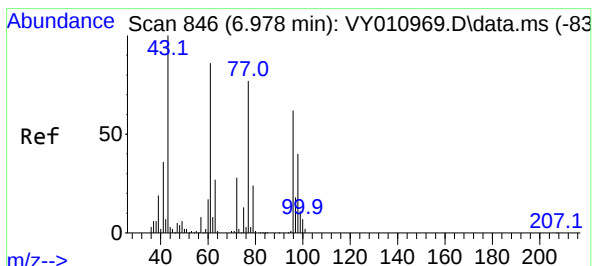
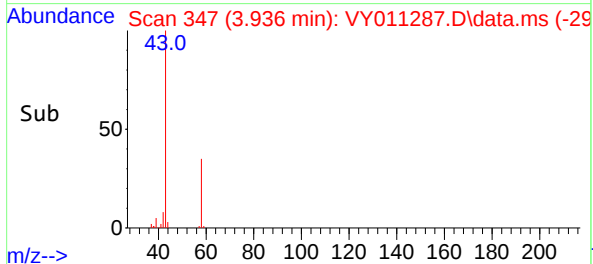
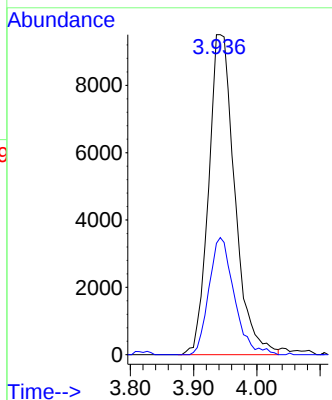
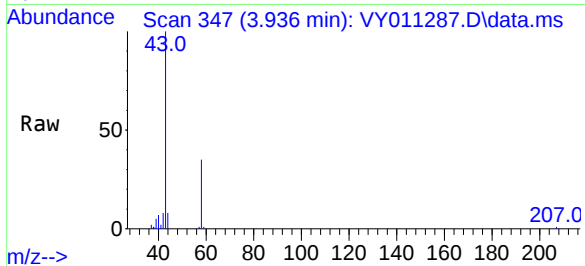




#16  
Acetone  
Concen: 36.946 ug/l  
RT: 3.936 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

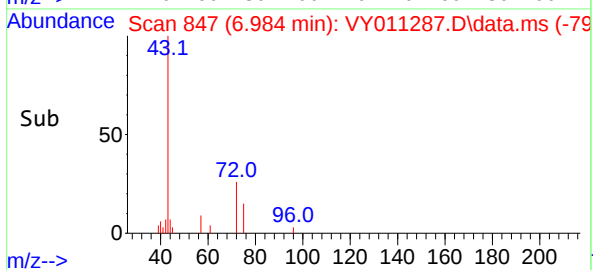
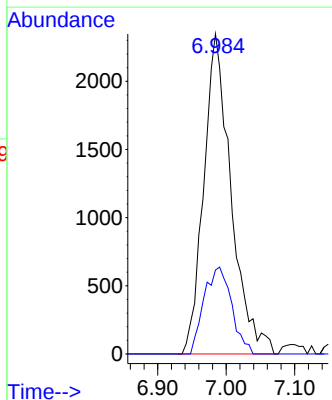
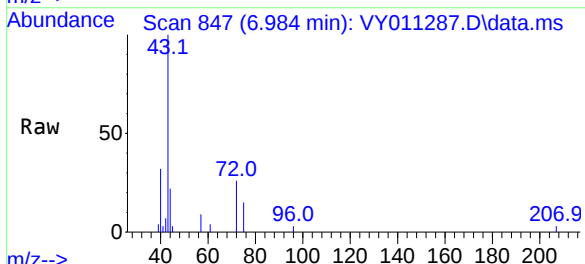
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-2-WC

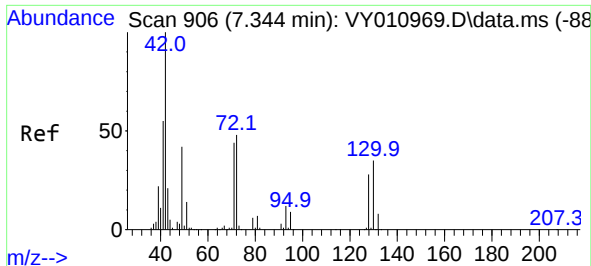
Tgt Ion: 43 Resp: 27295  
Ion Ratio Lower Upper  
43 100  
58 34.8 22.0 33.0#



#25  
2-Butanone  
Concen: 6.270 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

Tgt Ion: 43 Resp: 6518  
Ion Ratio Lower Upper  
43 100  
72 26.3 17.7 26.5





#29

Tetrahydrofuran

Concen: 1.034 ug/l

RT: 7.338 min Scan# 906

Delta R.T. -0.006 min

Lab File: VY011287.D

Acq: 03 Nov 2022 15:17

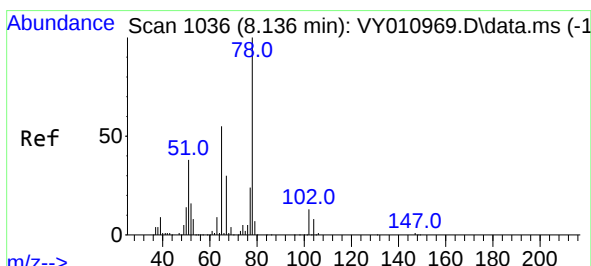
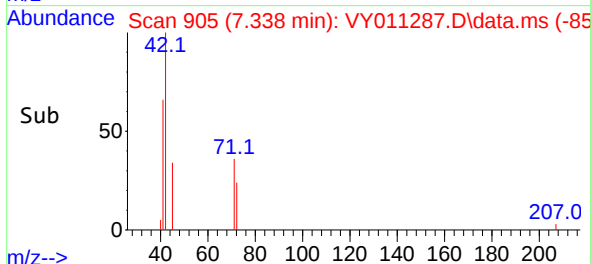
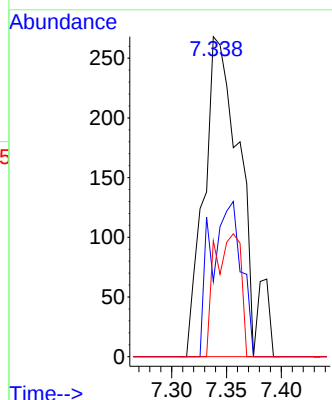
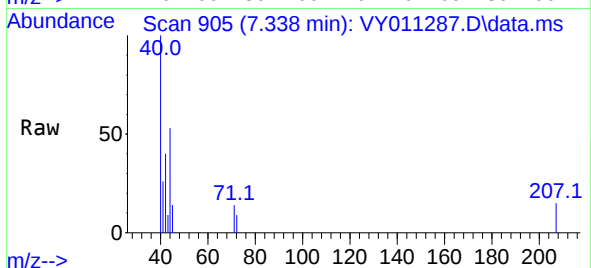
Instrument :

MSVOA\_Y

ClientSampleId :

MH-2-WC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 626   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 39.8  | 30.3  | 45.5  |
| 71       | 26.8  | 29.0  | 43.4  |



#33

1,2-Dichloroethane-d4

Concen: 54.886 ug/l

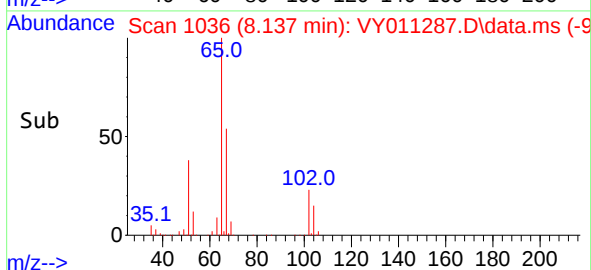
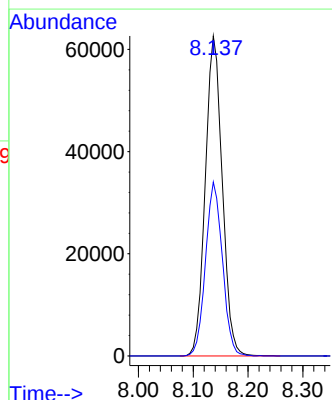
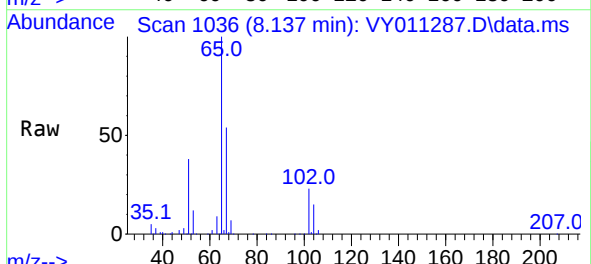
RT: 8.137 min Scan# 1036

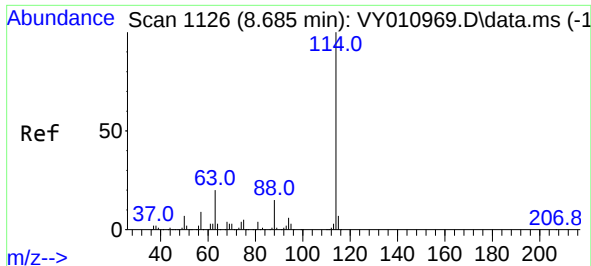
Delta R.T. 0.001 min

Lab File: VY011287.D

Acq: 03 Nov 2022 15:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 134328 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.1  | 0.0   | 99.4   |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011287.D

Acq: 03 Nov 2022 15:17

Instrument :

MSVOA\_Y

ClientSampleId :

MH-2-WC

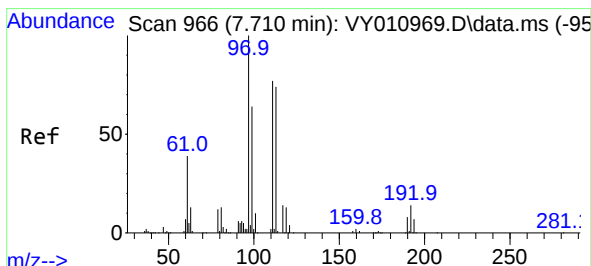
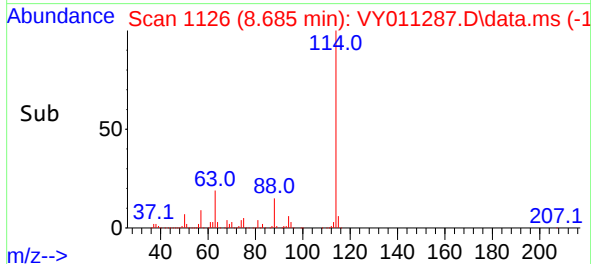
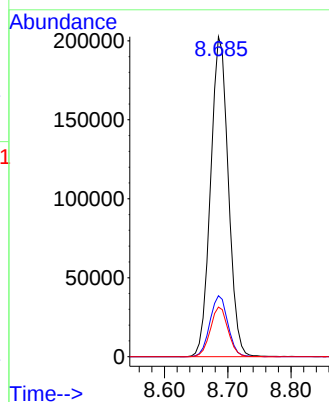
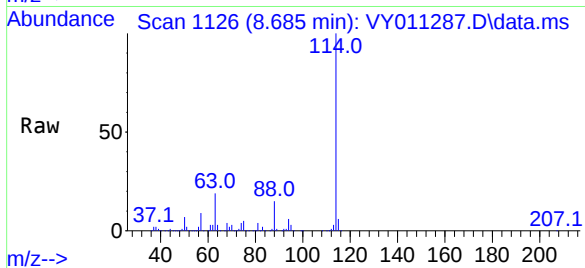
Tgt Ion:114 Resp: 394063

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.563 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011287.D

Acq: 03 Nov 2022 15:17

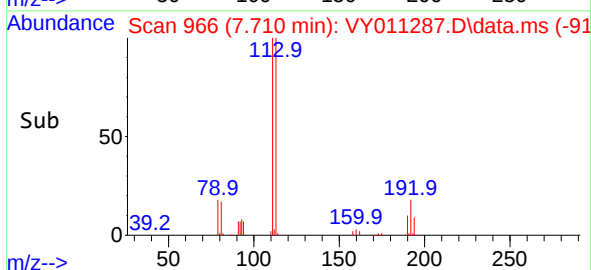
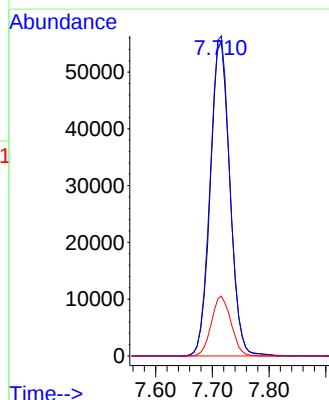
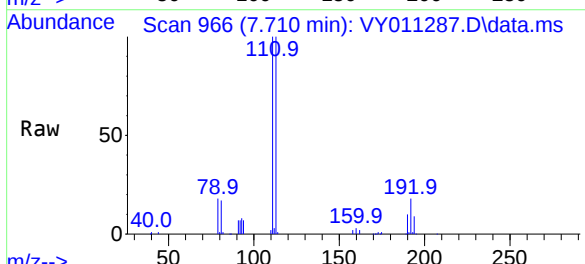
Tgt Ion:113 Resp: 133082

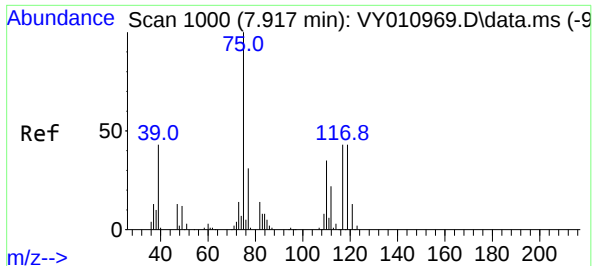
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.253 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011287.D

Acq: 03 Nov 2022 15:17

Instrument :

MSVOA\_Y

ClientSampleId :

MH-2-WC

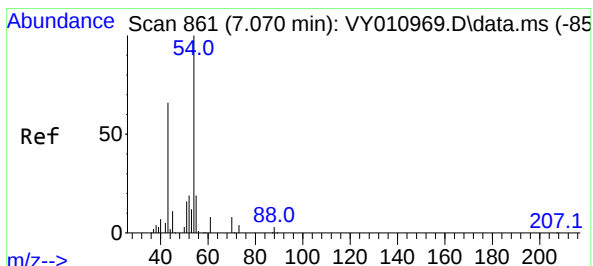
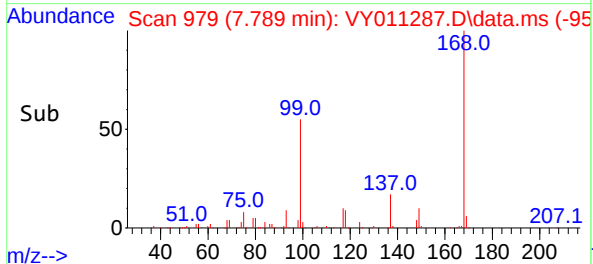
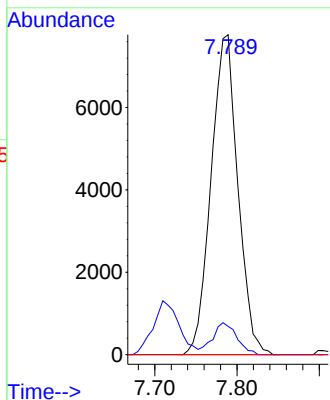
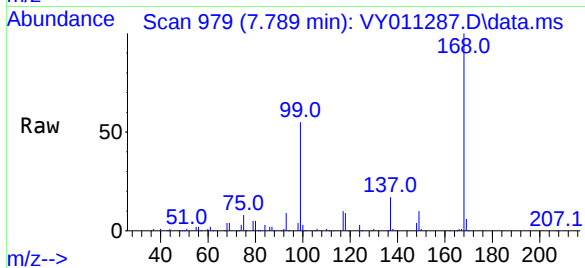
Tgt Ion: 75 Resp: 17586

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.924 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011287.D

Acq: 03 Nov 2022 15:17

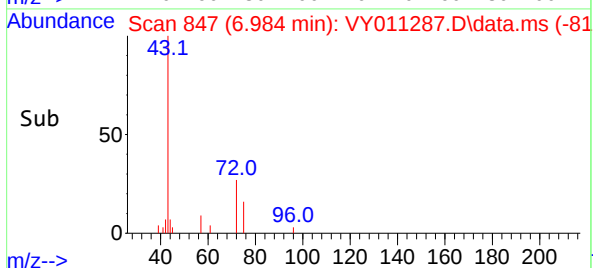
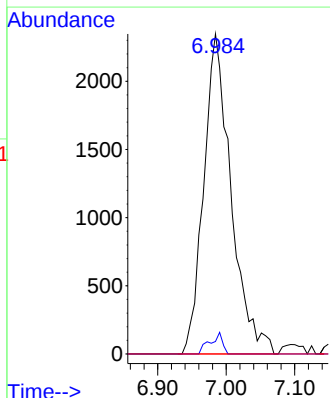
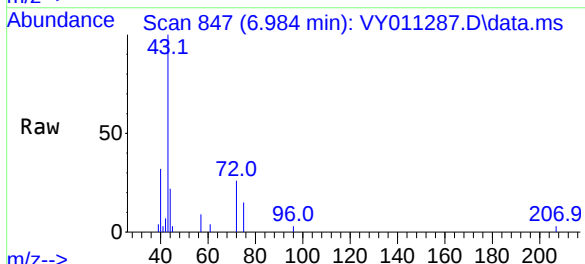
Tgt Ion: 43 Resp: 6518

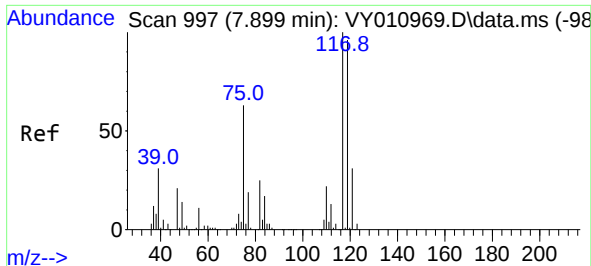
Ion Ratio Lower Upper

43 100

61 3.1 9.7 14.5#

70 0.0 7.1 10.7#

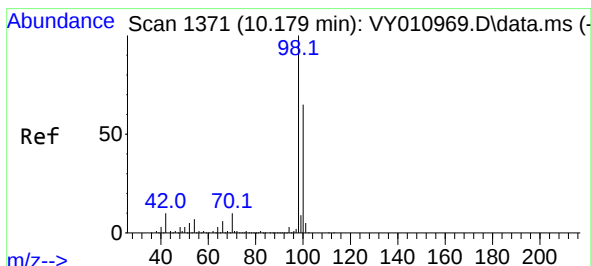
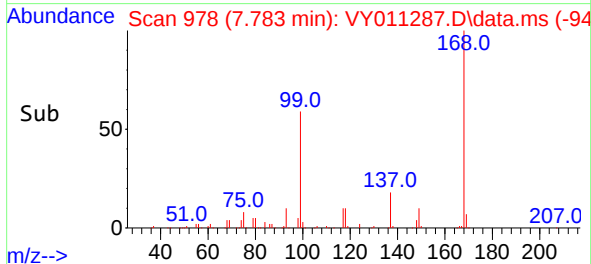
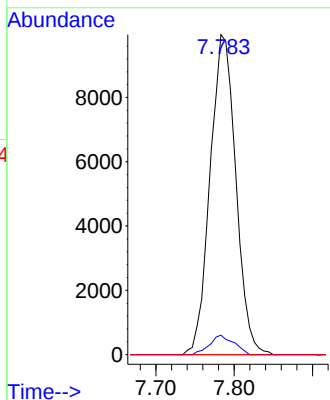
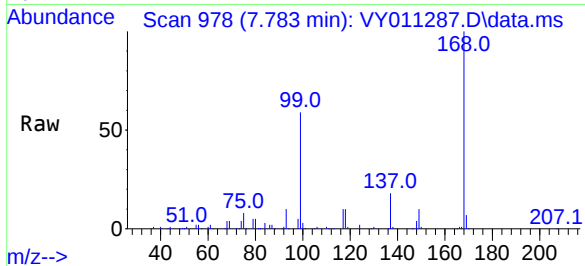




#38  
Carbon Tetrachloride  
Concen: 5.300 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

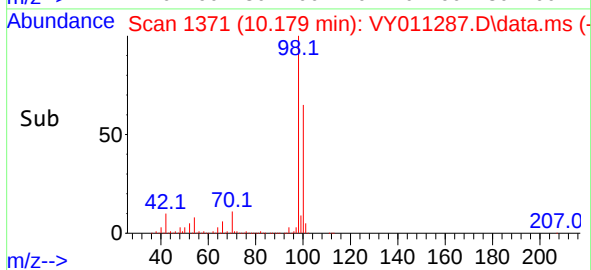
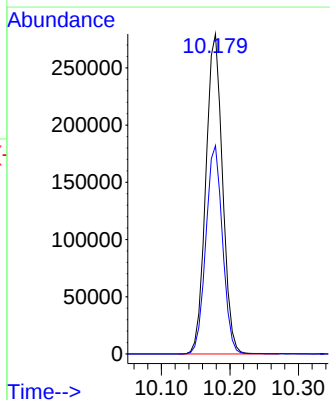
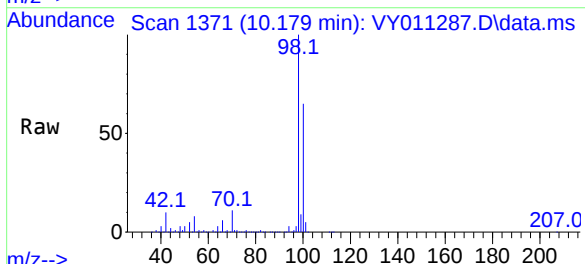
Instrument :  
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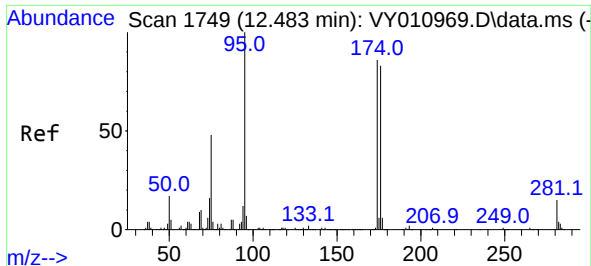
Tgt Ion:117 Resp: 22736  
Ion Ratio Lower Upper  
117 100  
119 6.1 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 48.281 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

Tgt Ion: 98 Resp: 474606  
Ion Ratio Lower Upper  
98 100  
100 64.9 50.2 75.2

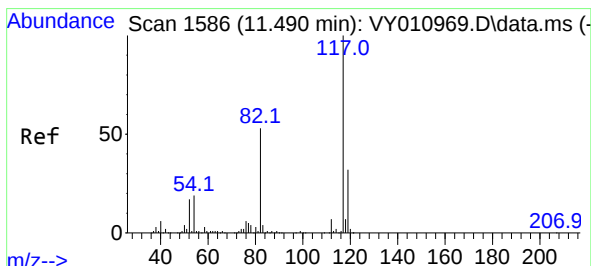
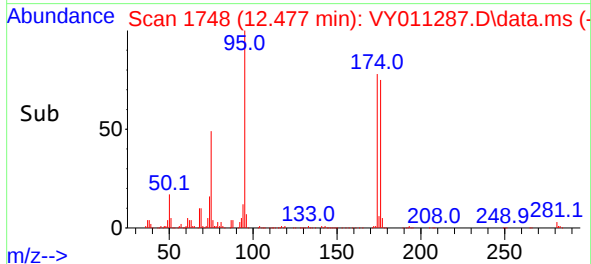
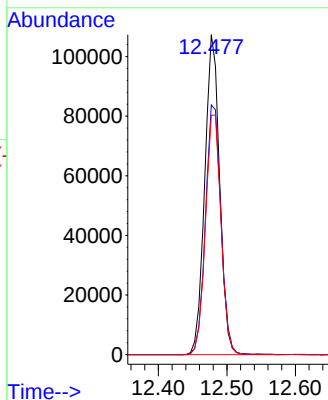
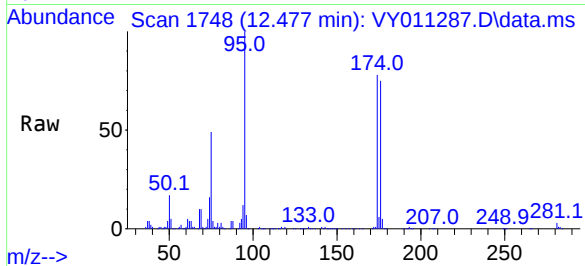




#62  
4-Bromofluorobenzene  
Concen: 47.562 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

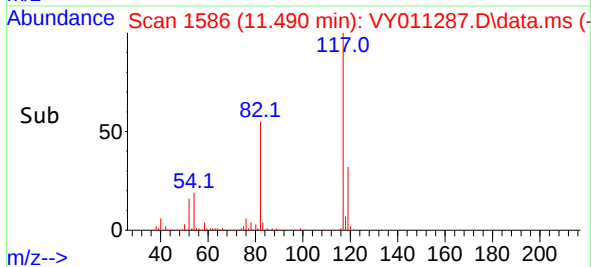
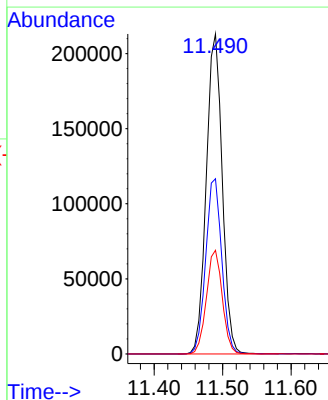
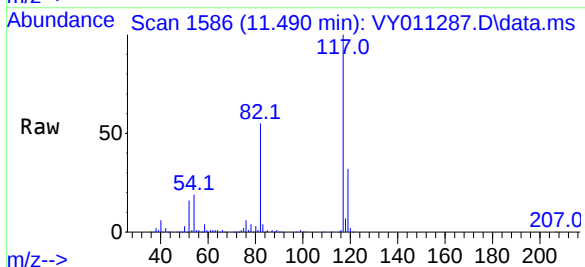
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-2-WC

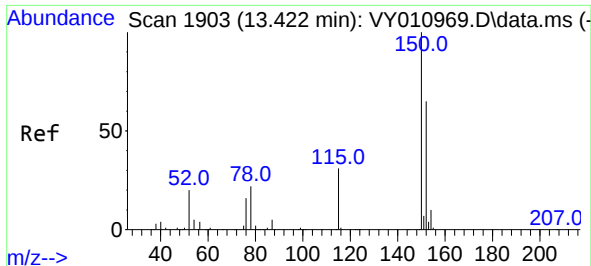
Tgt Ion: 95 Resp: 162310  
Ion Ratio Lower Upper  
95 100  
174 81.1 0.0 177.0  
176 78.2 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

Tgt Ion: 117 Resp: 345844  
Ion Ratio Lower Upper  
117 100  
82 54.8 43.0 64.4  
119 32.4 25.4 38.0

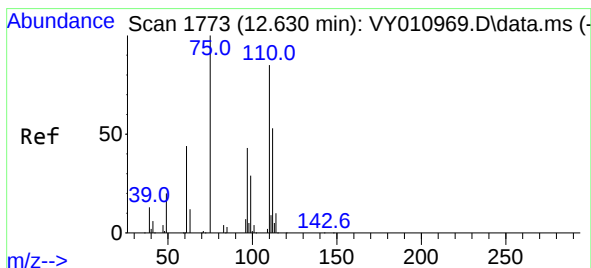
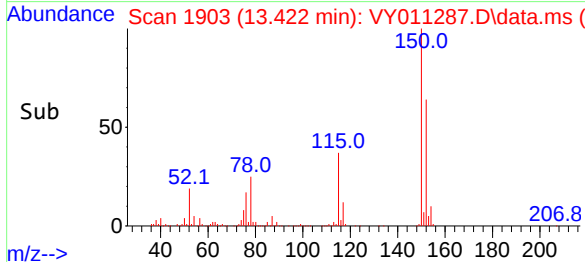
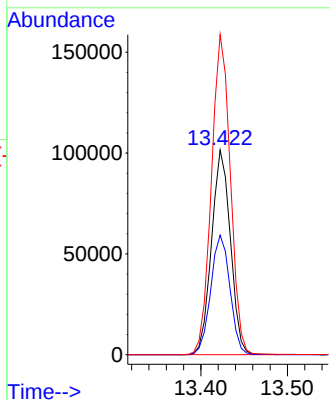
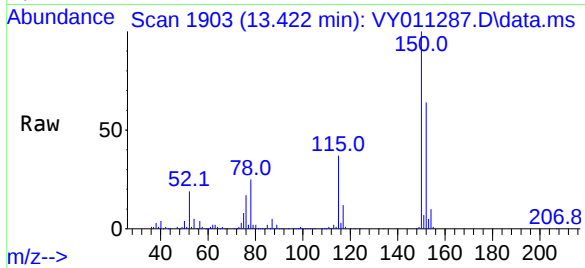




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

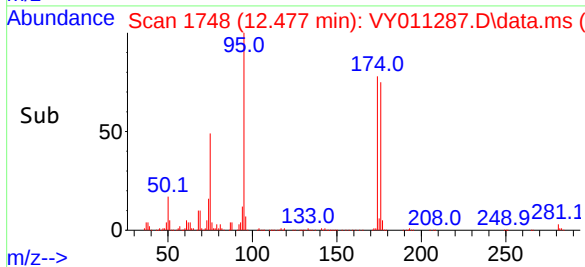
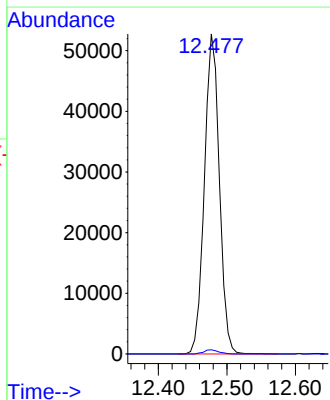
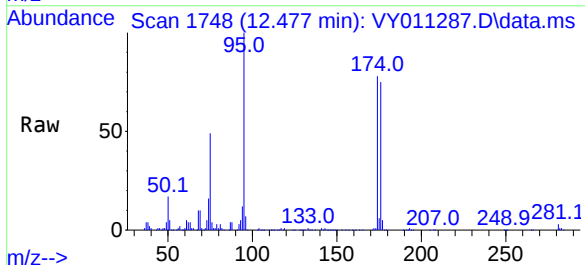
Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-2-WC

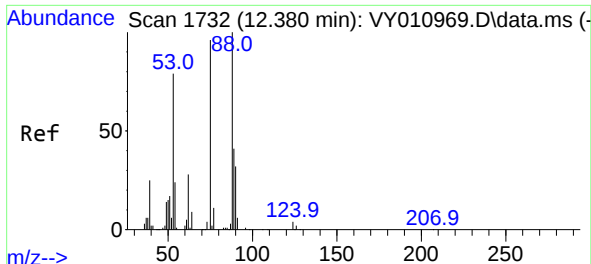
Tgt Ion:152 Resp: 153634  
Ion Ratio Lower Upper  
152 100  
115 59.4 28.2 84.7  
150 157.3 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 42.790 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

Tgt Ion: 75 Resp: 80033  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#

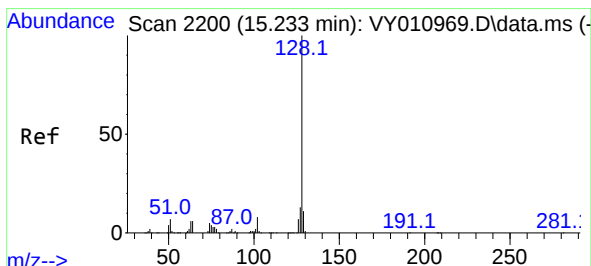
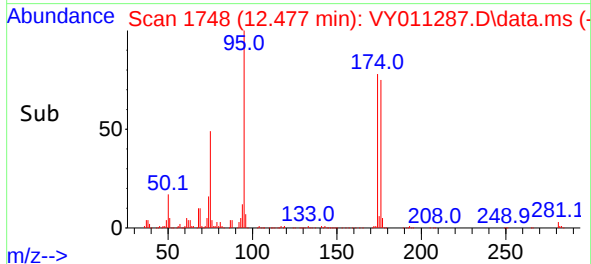
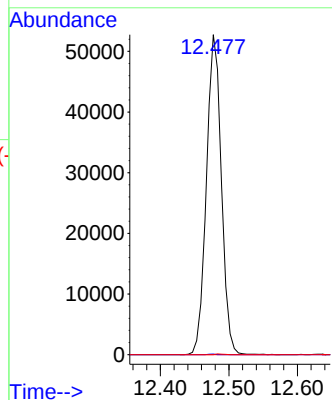
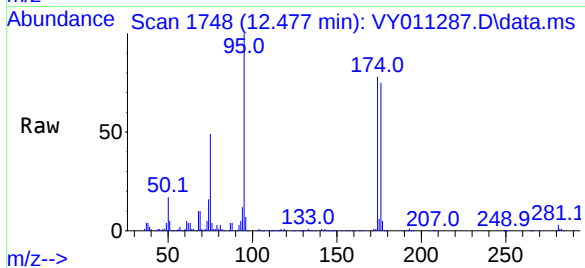




#81  
trans-1,4-Dichloro-2-butene  
Concen: 91.576 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MH-2-WC

Tgt Ion: 75 Resp: 80033  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 0.1 37.0 55.4#



#95  
Naphthalene  
Concen: 4.146 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY011287.D  
Acq: 03 Nov 2022 15:17

Tgt Ion:128 Resp: 1316  
Ion Ratio Lower Upper  
128 100  
127 9.6 11.0 16.4#  
129 1.6 8.4 12.6#

